

POLEX-SOUTH DATA, PART 1  
RADIATION DATA AT MIZUHO STATION, ANTARCTICA  
IN 1979

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1. Introduction

POLEX (Polar Experiment), as one of the subprograms of GARP, is aimed to investigate the heat budget in the polar regions and to clarify its effect on the global atmospheric circulation and climate. Japanese POLEX program in the Antarctic (POLEX-South) was planned to be carried out at Syowa and Mizuho Stations from 1979 to 1982 by the Japanese Antarctic Research Expedition. The main research subjects are 1) radiation budget, 2) air-sea-ice interaction, and 3) atmospheric circulation in the Antarctic. One of the subjects, radiation budget, was observed at Mizuho Station by the members of the 20th Japanese Antarctic Research Expedition (Takashi Yamanouchi, Makoto Wada, Shinji Mae and Koji Tsukamura) in 1979. Mizuho Station is located at 70°42'S and 44°20'E on the slope of the Antarctic Continent, and has an elevation of 2230 m above sea level.

This volume presents the results of the measurements of radiation elements at Mizuho Station from February 18 to December 31, 1979. Surface synoptic data in 1979 were published by Wada et al. (1980) and the results of micrometeorological measurements carried out as another research subject of the POLEX-South will also be published in the near future by Wada et al. (1981).

## 2. Instruments and Calibrations

Four components of radiation fluxes — global, reflected shortwave, downward and upward longwave radiation — were measured by pyranometers and by pyrgeometers. Measurements were made at the height of 1.5 m above the snow surface, and at the top of a 30 m tower which was built in January 1979 for the observations of meteorological elements of surface boundary layer. Direct radiation was also measured by the pyrhelimeter at the height of 1.5 m. Shortwave radiations were measured spectrally by using the cutoff filters. The items of the measurements, the instruments, the types of filters and the sensitivity constants are listed in Table 1. The details of installation and performance of the system of radiation measurements were reported previously by Mae et al. (1981).

As for the pyranometers, dependence of the sensitivities on the incident angle was exceedingly large at low solar height. All the original values obtained from the measurements were converted according to the calibration factors derived throughout the experiment (Yamanouchi et al., 1981). The incident angle dependence of the sensitivity of each pyranometer is shown in Figs. 1 to 12. Errors in determining the calibration factors are seen from the scattering of points in the figures. Calibration factors for the diffuse isotropic radiation reflected from the cloud or snow surface and those for the diffuse anisotropic radiation due to scattering from the sky are listed in Table 1, as  $F_I$  and  $F_A$  respectively.

Epply Precision Infrared Radiometers were used as a pyrgeometer. Two kinds of outputs, one is the thermopile emf (V) and another is the temperature (T) of the body of the sensor, were measured. The

radiation flux L was calculated from the measured values of outputs as

$$L = V / K + \sigma T^4 ,$$

where K is the sensitivity constant and  $\sigma=0.56697 \times 10^{-7}$  ( $\text{Wm}^{-2}\text{K}^{-4}$ ) is the Stefan-Boltzmann constant. Upfacing pyrgeometer set at the surface was equipped with a chrome plate ring to eliminate the heating effect of the hemisphere dome. Because the pyrgeometer set on the 30 m tower was not equipped with the shading ring, the radiation flux L was calculated by the following equation

$$L = L' - 0.02 \times S_d ,$$

where L' was longwave flux measured by the pyrgeometer and S<sub>d</sub> was global radiation flux.

A pyrheliumeter was mounted on the equatorial and equipped with a rotating filter disc in order to make spectral measurements. The pyrheliumeter was calibrated by the Japan Meteorological Agency against the standard sensor of IPS-1956, and also field calibration was made occasionally against Angström compensation pyrheliumeter. Temperature dependence of sensitivity K(T) of the pyrheliumeter is expressed as

$$K(T) = K_0 ( 1 + C_T ( T - T_0 ) ) ,$$

where K<sub>0</sub> is the instrument constant at temperature T<sub>0</sub>, C<sub>T</sub> is the temperature coefficient and T is the measured temperature.

The reflected shortwave radiation measured at the surface was corrected for shadows of instruments and pipes. On the other hand, the reflected shortwave radiation measured at 30 m was corrected

by the same method, and the influence of the 30 m tower was not considered.

### 3. Description of the Data

Digital data were sampled every minute and recorded on magnetic tapes. The data of Table 4 are the hourly summations of these one-minute data except for the data of direct solar radiation. Hourly averaged values of the direct radiation are listed in the table. Read-out of the magnetic tapes and data analysis were made with the aid of HITAC M 160-II electronic computer at the National Institute of Polar Research. The method of calibration and derivation of data will be described in detail in another paper (Yamonouchi et al., 1981). When the one-minute digital data in the magnetic tapes were lacking, data were taken from analog records. Erroneous global radiation data on account of a frost deposit on the sensor filter dome are marked with asterisk in Table 4. When the data are missing on account of trouble of recording system or sensors, 9.99 is printed in the table.

Net radiation  $R_n$  at the surface are listed in Tables 2 to 4. The value of  $R_n$  was calculated by the following equation

$$\begin{aligned} R_n &= S_n + L_n \\ &= S_d - S_u + L_d - L_u , \end{aligned}$$

where  $S_n$  and  $L_n$  are the net radiation of shortwave and longwave respectively,  $S_d$ ,  $S_u$ ,  $L_d$  and  $L_u$  are global, reflected shortwave, downward and upward longwave radiation.

In Table 3, daily totals of radiation amounts are listed for every month. When the data are missing daily total values are

indicated by 99.99, and monthly total values are obtained by eliminating the values of 99.99. Monthly summaries are shown in Table 2. On account of errors in the measurements, reflected radiation sometimes exceeded global radiation. In that case the net shortwave radiation was reduced to 0. Daily or monthly totals of net shortwave were calculated from hourly or daily net shortwave radiation respectively, and do not coincide with the values calculated from daily or monthly totals of global and reflected radiation.

In Table 2 to Table 4 two kinds of SI units,  $\text{MJ/m}^2$  ( $\text{MJ/m}^2$ ) and  $\text{kW/m}^2$  ( $\text{kW/m}^2$ ), are used. The values,  $R(\text{ly})$  and  $R(\text{ly}/\text{min})$ , in CGS units are obtained by the following relation

$$R(\text{ly}) = R(\text{MJ/m}^2) / 0.0419$$

$$R(\text{ly}/\text{min}) = R(\text{kW/m}^2) / 0.698 .$$

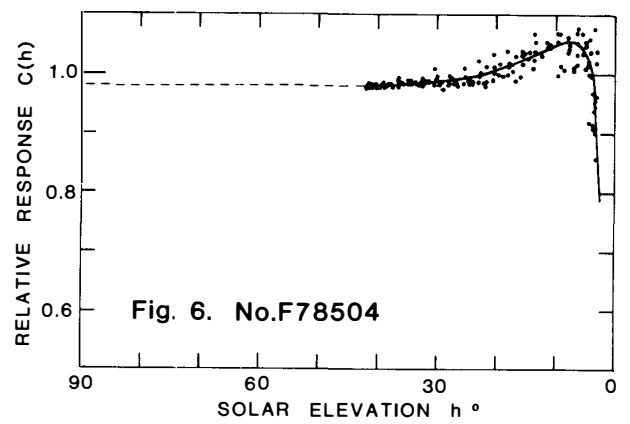
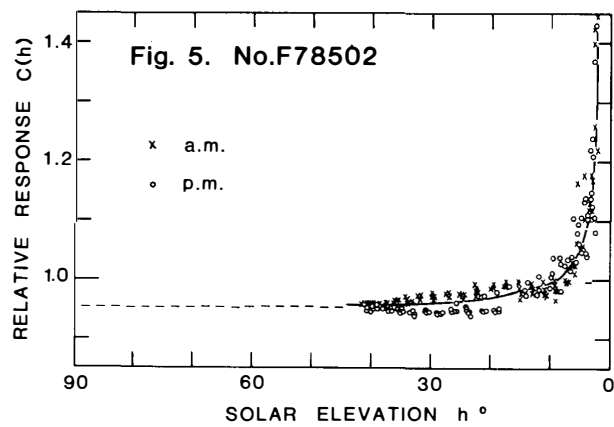
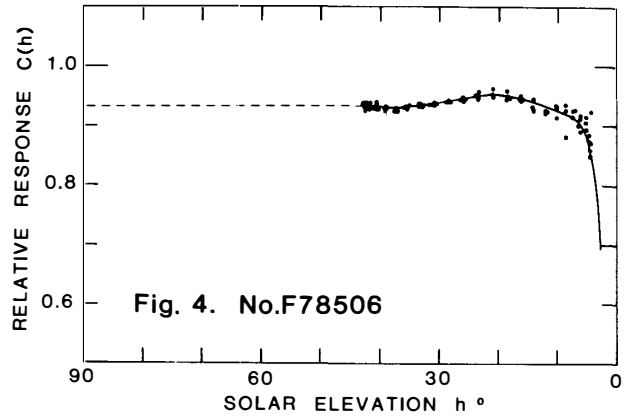
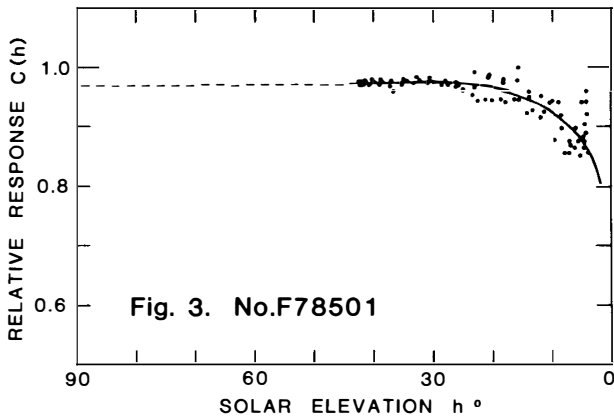
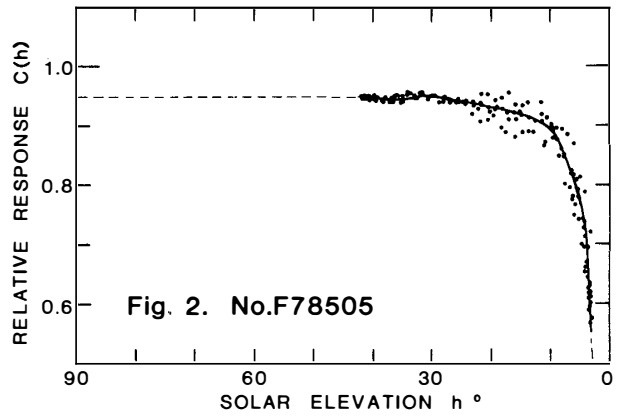
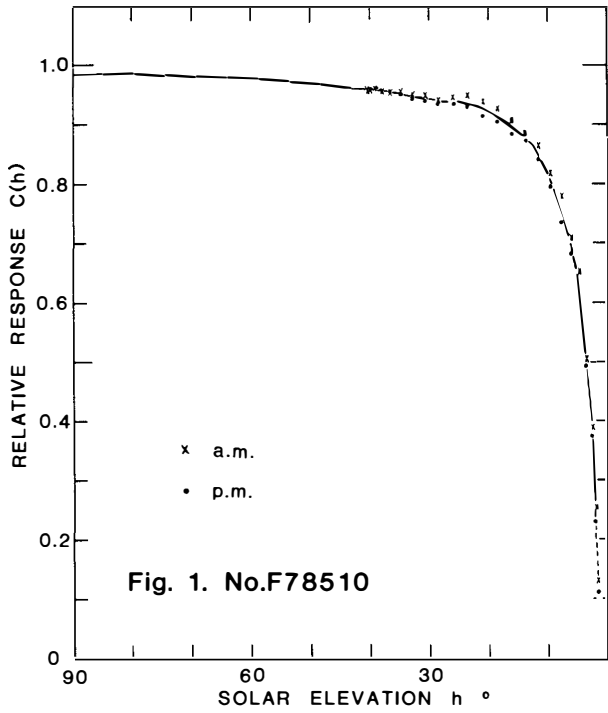
In this report the International Pyrheliometric Scale IPS-1956 is used. Therefore, the values based on the World Radiometric Reference (WRR), which are to be adopted from 1981 on, should be obtained by multiplying a factor of 1.022.

#### References

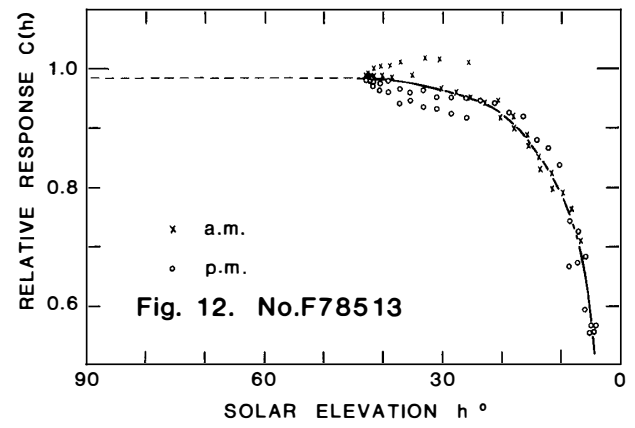
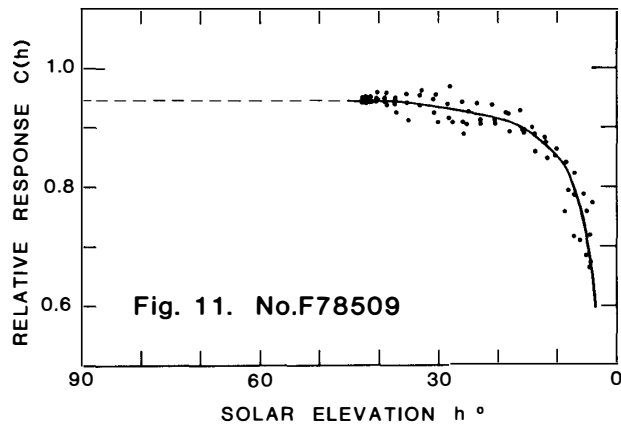
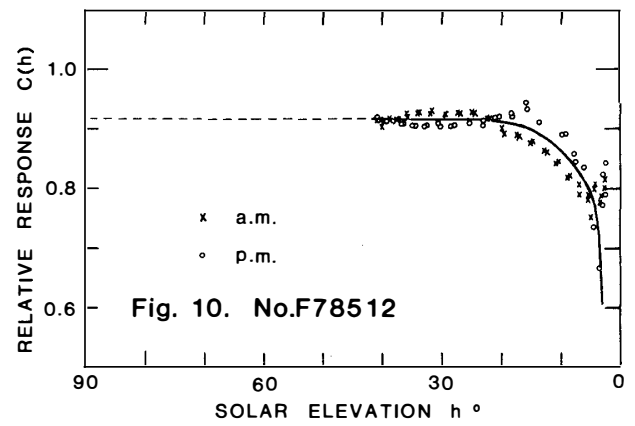
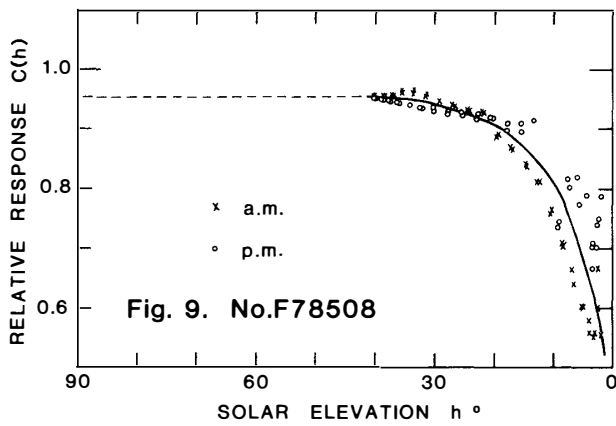
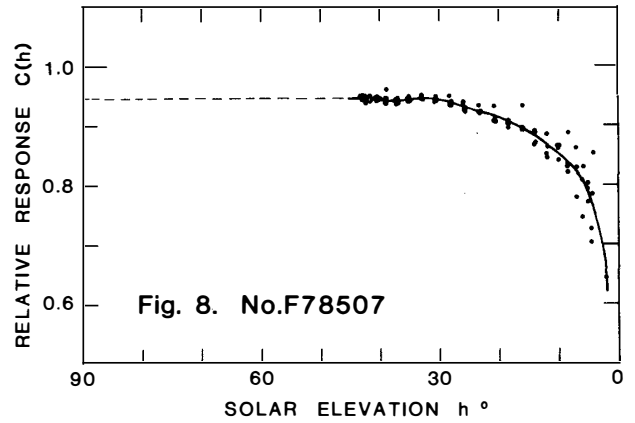
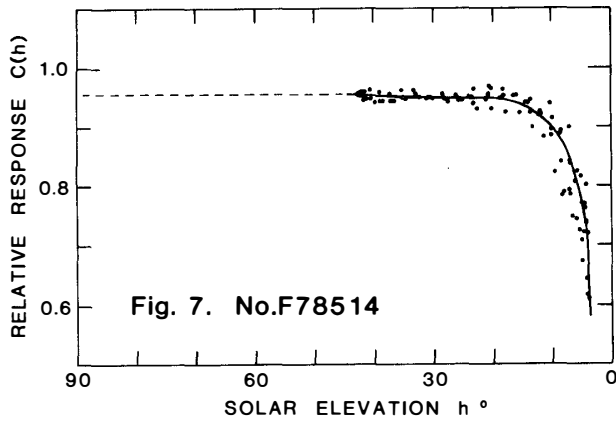
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Figs. 1-6. Incident angle dependence of the sensitivity of pyranometer.



Figs. 7-12. Incident angle dependence of the sensitivity of pyranometer.



Table 1. Characteristics of instruments.

Site	Item	Instrument	Filter	Sensitivity constant				
Surface	Direct solar radiation	Pyrheliometer Eko MS-52F No.78005	no filter OG530 RG630 RG695	9.28 mV/kWm <sup>-2</sup>	Temperature coefficient -0.0013 /°C			
Surface	Global solar radiation	Pyranometer		Sensitivity constant by manufacturer	F <sub>I</sub>	F <sub>A</sub>	Cosine response	
	305 nm - 2800 nm	Eko MS-800 No.F78510	WG305	6.76 mV/kWm <sup>-2</sup>	(relative response) 0.951	0.860	Fig. 1	
	530 - 2800	" No.F78505	OG530	5.92	0.939	0.888	Fig. 2	
	630 - 2800	" No.F78501	RG630	6.45	0.967	0.935	Fig. 3	
	695 - 2800	" No.F78506	RG695	5.92	0.933	0.898	Fig. 4	
	Reflected solar radiation	Pyranometer						
	305 nm - 2800 nm	Eko MS-800 No.F78502	WG305	6.81 mV/kWm <sup>-2</sup>	0.963	1.016	Fig. 5	
	530 - 2800	" No.F78504	OG530	6.10	0.988	0.979	Fig. 6	
	630 - 2800	" No.F78514	RG630	6.09	0.948	0.894	Fig. 7	
	695 - 2800	" No.F78507	RG695	6.36	0.933	0.888	Fig. 8	
	Top of the tower	Global solar radiation	Pyranometer					
		305 nm - 2800 nm	Eko MS-800 No.F78508	WG305	5.92 mV/kWm <sup>-2</sup>	0.934	0.881	Fig. 9
695 - 2800		" No.F78512	RG695	5.82	0.910	0.864	Fig.10	
Reflected solar radiation		Pyranometer						
305 nm - 2800 nm		Eko MS-800 No.F78509	WG305	6.76 mV/kWm <sup>-2</sup>	0.932	0.871	Fig.11	
695 - 2800		" No.F78513	RG695	5.66	0.958	0.873	Fig.12	
Surface	Downward longwave radiation	Pyrgeometer Eppley PIR No.17372F3		4.55 mV/kWm <sup>-2</sup>				
	Upward longwave radiation	" No.17366F3		4.24				
Top of the tower	Downward longwave radiation	" No.17374F3		4.78				
	Upward longwave radiation	" No.17375F3		4.46				

Table 2. Monthly summaries of radiation components at the surface in 1979.

(unit: MJ/m<sup>2</sup>)

	Shortwave radiation			Longwave radiation			Total
	Global	Reflected	Net	Downward	Upward	Net	Net
February (18-28)	196.78	161.34	35.43	150.99	192.70	-41.71	-6.28
March	322.05	257.69	64.46	411.66	504.19	-92.53	-28.07
April	76.03	53.24	22.79	409.09	474.38	-64.15	-41.36
May	5.45	3.25	2.20	352.47	435.47	-83.00	-80.80
June	0.00	0.00	0.00	329.88	408.46	-78.58	-78.58
July	0.20	0.25	0.03	343.56	426.53	-82.97	-82.94
August	34.81*	27.01	7.90	341.71	429.51	-87.80	-79.90
September	197.07	154.91	42.23	339.46	439.41	-99.95	-57.71
October	528.42	427.22	101.30	351.77	501.64	-149.87	-48.57
November	840.84	690.74	151.17	418.70	575.41	-156.70	-5.53
December	1186.56	914.81	206.21	443.35	649.82	-206.47	-0.27

\* For the data of August 7, global radiation at 30 m was used.

Table 3. Daily summaries of radiation components in 1979.

Figures in parentheses, such as (305), mean the shortwave radiation measured with the cutoff filter of 305 nm.

When the hourly data are missing, daily total values are shown by 99.99.

Suffix for the monthly total value is the number of observation days when the complete data were obtained.

SHORTWAVE RADIATION (MJ/M**2)																
FEB.	GLOBAL (SURFACE)								REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
DATE	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	(305)	(695)		
18	21.25	16.22	12.45	11.31	17.42	12.66	9.05	7.66	21.05	11.04	16.94	7.60				
19	19.69	15.00	11.24	10.13	15.92	11.43	8.22	6.94	19.34	9.95	15.44	6.76				
20	13.97	10.56	7.52	6.61	11.98	8.36	5.83	4.96	11.47	5.80	11.70	4.70				
21	13.38	9.80	6.96	5.99	11.63	7.97	5.55	4.58	12.25	5.78	10.88	4.23				
22	21.20	16.16	12.33	11.15	16.71	12.28	8.99	7.51	20.56	10.72	16.18	7.51				
23	18.31	14.17	10.70	9.73	15.04	10.91	7.84	6.56	18.13	9.61	14.57	6.50				
24	18.70	14.45	11.22	10.20	15.32	11.20	8.08	6.78	18.54	9.91	14.82	6.75				
25	18.48	14.15	10.91	9.79	14.83	10.76	7.79	6.56	18.06	9.58	14.33	6.45				
26	14.65	11.40	8.68	7.73	12.50	8.91	6.56	5.50	14.05	7.49	11.78	5.23				
27	18.85	14.53	11.18	10.18	15.46	11.65	8.44	7.26	19.61	9.24	14.73	6.96				
28	18.29	14.13	10.77	10.15	14.52	10.82	7.76	6.60	17.83	9.11	14.33	6.75				
MONTHLY TOTAL	196.78	150.58	113.97	102.97	161.34	116.93	84.11	70.92	190.89	98.25	155.68	69.44				

LONGWAVE RADIATION (MJ/M**2)										NET RADIATION (MJ/M**2)		
FEB.	(SURFACE)				(30M)		(SURFACE)					
DATE	DOWNWARD	UPWARD	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL			
18	14.37	18.58	14.23	99.99	3.82	-4.21	-0.38					
19	15.60	18.48	14.96	99.99	3.77	-2.87	0.90					
20	18.30	19.28	18.37	99.99	1.99	-0.97	1.01					
21	18.03	19.25	17.99	99.99	1.75	-1.22	0.53					
22	12.13	17.12	12.15	99.99	4.50	-4.99	-0.49					
23	13.07	17.34	12.90	99.99	3.27	-4.27	-1.00					
24	11.96	17.02	11.90	99.99	3.37	-5.06	-1.69					
25	12.70	16.87	12.70	99.99	3.65	-4.17	-0.52					
26	14.65	17.72	14.88	99.99	2.16	-3.06	-0.91					
27	9.91	15.32	9.62	99.99	3.39	-5.41	-2.01					
28	10.25	15.74	9.97	99.99	3.77	-5.49	-1.72					
MONTHLY TOTAL	150.99	192.70	149.66	0.00	35.43	-41.71	-6.28					

SHORTWAVE RADIATION (MJ/M**2)												
MAR.	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
DATE	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
1	17.77	13.52	10.42	9.79	13.87	10.18	7.40	6.22	17.07	8.45	13.60	6.34
2	17.05	13.07	10.23	9.57	13.68	10.02	7.28	6.11	16.96	8.33	13.46	6.26
3	17.17	13.04	10.33	9.71	13.55	9.96	7.23	6.04	16.86	8.25	13.33	6.19
4	17.41	13.29	10.08	9.71	13.20	9.79	7.14	6.00	16.46	8.15	13.09	6.22
5	15.92	12.33	9.34	8.73	12.60	9.27	6.67	5.58	15.50	7.54	12.35	5.64
6	13.81	10.54	8.06	7.37	11.22	8.11	5.80	4.84	13.64	6.50	10.94	4.85
7	12.37	9.54	7.25	6.64	10.22	7.37	5.24	4.36	12.33	5.80	9.98	4.36
8	10.91	8.31	6.11	5.58	9.13	6.43	4.51	3.73	10.92	4.80	8.89	3.69
9	12.69	9.44	7.07	6.42	10.38	7.38	5.27	4.36	12.57	5.64	10.16	4.36
10	14.35	11.12	8.60	8.08	11.25	8.38	6.13	5.13	14.08	6.93	11.24	5.36
11	13.57	10.27	8.15	7.43	10.74	7.97	5.75	4.85	13.37	6.56	10.65	5.06
12	13.47	10.34	8.08	7.45	10.59	7.91	5.79	4.85	13.24	6.48	10.63	5.09
13	13.12	10.03	7.71	7.27	10.22	7.62	5.53	4.65	12.68	6.13	10.32	4.90
14	12.38	9.37	7.23	6.74	9.71	7.19	5.21	4.36	11.86	5.71	9.79	4.59
15	11.29	8.50	6.70	6.15	9.26	6.83	4.96	4.15	10.91	5.06	9.32	4.38
16	11.13	8.10	6.29	5.76	8.69	6.41	4.64	3.88	11.27	4.93	8.84	4.16
17	6.63	4.73	3.34	2.84	5.70	3.88	2.67	2.21	5.34	2.08	5.47	2.01
18	6.43	4.59	3.27	2.75	5.45	3.66	2.48	2.04	6.08	2.30	5.37	1.96
19	6.84	4.98	3.68	3.17	5.93	4.15	2.93	2.47	6.33	2.66	5.83	2.33
20	8.77	6.56	5.15	4.68	7.58	5.61	4.18	3.56	8.81	4.03	7.81	3.79
21	6.86	5.14	4.00	3.51	5.76	4.21	3.08	2.61	7.25	3.28	5.58	2.50
22	5.79	4.20	3.11	2.69	4.89	3.41	2.32	1.96	5.74	2.25	4.81	1.86
23	5.88	4.31	3.17	2.85	4.94	3.44	2.38	2.01	5.90	2.34	4.98	1.92
24	5.93	4.39	3.27	2.90	4.81	3.37	2.37	1.99	5.85	2.43	4.88	1.92
25	7.38	5.45	4.23	3.91	5.65	4.15	2.90	2.48	7.23	3.21	6.31	2.89
26	6.38	4.72	3.66	3.42	5.17	3.78	2.67	2.25	6.33	2.78	5.63	2.41
27	5.53	4.09	3.01	2.82	4.58	3.21	2.22	1.84	5.55	2.22	5.01	1.77
28	5.90	4.42	3.43	3.13	4.71	3.44	2.41	2.05	5.81	2.58	5.41	2.18
29	5.28	3.86	2.97	2.64	4.21	3.07	2.16	1.85	5.15	2.14	4.51	1.88
30	7.01	5.14	4.05	3.86	5.07	3.82	2.78	2.37	7.08	3.08	6.06	3.00
31	7.04	5.25	4.03	3.86	4.82	3.74	2.66	2.30	6.67	3.07	5.83	2.92
MONTHLY TOTAL	322.05	242.64	186.02	171.42	257.59	187.77	134.76	113.08	314.84	145.72	260.06	116.79

MAR.	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)		
	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	TOTAL
1	10.68	16.10	10.53	99.99	3.90	-5.41	-1.52
2	11.51	16.92	11.32	99.99	3.37	-5.41	-2.04
3	11.02	16.41	10.81	99.99	3.62	-5.39	-1.77
4	10.05	15.57	9.52	99.99	4.21	-5.52	-1.32
5	11.46	15.76	11.10	99.99	3.31	-4.30	-0.99
6	12.08	16.10	11.90	99.99	2.59	-4.03	-1.44
7	14.12	16.57	14.08	99.99	2.16	-2.44	-0.29
8	15.66	17.88	15.55	99.99	1.78	-2.22	-0.44
9	14.55	17.55	14.42	99.99	2.32	-3.01	-0.69
10	9.97	14.85	9.64	99.99	3.10	-4.88	-1.78
11	9.73	14.40	9.54	99.99	2.82	-4.67	-1.85
12	9.89	14.76	9.81	99.99	2.88	-4.87	-1.99
13	10.54	15.43	10.42	99.99	2.90	-4.89	-1.99
14	11.20	15.53	11.17	99.99	2.66	-4.34	-1.67
15	11.79	15.62	12.02	99.99	2.04	-3.83	-1.79
16	11.31	15.47	12.03	99.99	2.44	-4.16	-1.72
17	17.63	18.07	17.57	99.99	0.93	-0.44	0.49
18	18.97	19.50	18.91	99.99	0.98	-0.53	0.45
19	18.40	19.14	18.38	99.99	0.91	-0.73	0.17
20	13.32	16.07	13.50	99.99	1.20	-2.75	-1.56
21	14.37	15.49	15.25	16.81	1.09	-1.13	-0.04
22	16.76	16.82	16.60	16.93	0.90	-0.06	0.84
23	17.18	18.18	16.79	18.33	0.94	-1.00	-0.06
24	15.83	17.72	15.44	18.11	1.12	-1.89	-0.77
25	13.38	15.96	13.23	16.52	1.73	-2.58	-0.85
26	13.81	15.63	13.42	15.86	1.21	-1.82	-0.61
27	16.40	16.93	16.07	17.08	0.95	-0.53	0.42
28	14.11	15.67	13.98	16.15	1.20	-1.56	-0.36
29	14.98	15.86	15.34	16.24	1.07	-0.88	0.19
30	10.99	14.61	10.38	15.04	1.94	-3.61	-1.68
31	9.96	13.60	9.40	14.10	2.21	-3.64	-1.43
MONTHLY TOTAL	411.66	504.19	408.12	181.17 <sup>11</sup>	64.46	-92.53	-28.07

SHORTWAVE RADIATION (MJ/M**2)													
APR.	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
DATE	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
1	7.10	4.93	3.85	3.58	4.05	2.79	2.03	1.70	6.32	2.83	15.46	2.83	
2	3.73	2.80	2.09	1.83	3.01	2.08	1.46	1.24	3.12	1.11	99.99	1.08	
3	5.51	3.85	3.03	2.96	3.22	2.18	1.64	1.31	3.46	1.32	99.99	2.13	
4	2.80	1.95	1.37	1.14	2.44	1.60	1.05	0.87	2.74	0.79	2.24	0.76	
5	4.31	3.28	2.48	2.31	2.59	1.73	1.19	1.04	4.27	1.79	3.83	1.79	
6	5.35	99.99	3.08	2.93	2.75	99.99	1.28	1.17	4.86	2.12	4.99	2.31	
7	3.57	99.99	2.06	3.96	2.68	99.99	1.41	1.22	3.95	1.84	3.10	1.55	
8	2.56	99.99	1.40	1.66	2.15	99.99	1.04	0.91	2.64	0.95	1.92	0.91	
9	3.94	99.99	2.13	2.26	2.61	99.99	1.40	1.18	4.21	1.93	3.04	1.91	
10	1.98	99.99	0.94	1.06	1.74	99.99	0.73	0.62	2.00	0.49	1.44	0.55	
11	1.70	99.99	0.69	0.56	1.55	99.99	0.54	0.44	1.70	0.41	1.50	0.38	
12	2.60	99.99	1.33	1.14	2.20	99.99	1.03	0.86	2.56	0.89	2.14	0.78	
13	3.01	99.99	1.68	1.61	2.08	99.99	1.10	0.91	2.78	1.10	2.66	1.33	
14	3.51	99.99	2.03	1.92	2.09	99.99	1.12	0.88	3.03	1.21	3.07	1.66	
15	3.38	99.99	1.86	1.79	2.45	99.99	1.46	1.13	2.91	1.15	2.93	1.60	
16	2.97	99.99	1.61	1.56	2.01	99.99	1.13	0.92	2.56	1.00	2.60	1.41	
17	1.80	99.99	0.98	0.87	1.44	99.99	0.72	0.58	1.66	0.50	1.49	0.59	
18	1.36	99.99	0.70	0.65	1.14	99.99	0.50	0.43	1.38	0.33	1.20	0.40	
19	1.88	99.99	99.99	1.00	1.52	99.99	99.99	0.75	1.75	0.66	99.99	0.92	
20	1.11	0.76	99.99	0.59	0.91	0.62	99.99	0.34	1.09	0.25	0.97	0.28	
21	2.04	1.31	99.99	1.07	1.43	1.09	99.99	0.69	1.69	0.61	2.05	1.14	
22	1.95	1.27	99.99	1.01	1.25	0.92	99.99	0.56	2.26	0.70	1.73	0.94	
23	1.61	1.07	99.99	0.92	1.23	0.96	99.99	0.61	1.98	0.54	1.59	0.87	
24	1.72	1.30	99.99	0.95	1.01	0.74	99.99	0.45	2.14	0.60	1.41	0.76	
25	1.38	0.99	99.99	0.85	1.14	0.89	99.99	0.56	1.67	0.41	1.48	0.84	
26	1.09	0.81	99.99	0.67	0.93	0.71	99.99	0.44	0.89	0.24	1.21	0.65	
27	0.72	0.44	99.99	99.99	0.52	0.34	99.99	99.99	0.63	0.07	0.59	0.16	
28	0.52	0.33	0.22	99.99	0.43	0.26	0.15	99.99	0.51	0.01	0.48	0.10	
29	0.47	0.30	0.20	99.99	0.38	0.23	0.14	99.99	0.45	0.02	0.43	0.09	
30	0.38	0.21	0.15	99.99	0.30	0.17	0.09	99.99	0.37	0.01	0.37	0.06	
MONTHLY TOTAL	76.03	25.61 <sup>16</sup>	33.89 <sup>21</sup>	40.83 <sup>26</sup>	53.24	17.32 <sup>16</sup>	21.22 <sup>21</sup>	21.81 <sup>26</sup>	71.58	25.89	65.92 <sup>27</sup>	30.80	

APR.	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)		
	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	TOTAL
1	10.72	14.70	10.26	15.50	3.05	-3.98	-0.93
2	15.86	16.48	16.78	17.76	0.71	-0.62	0.09
3	12.78	14.40	14.43	16.30	2.29	-1.62	0.67
4	17.90	17.59	17.68	17.83	0.37	0.31	0.67
5	13.76	16.83	13.50	17.46	1.72	-3.07	-1.35
6	11.00	14.86	10.40	15.46	2.60	-3.85	-1.25
7	12.59	14.45	10.48	14.59	0.89	-1.86	-0.97
8	13.19	14.68	11.78	14.79	0.40	-1.49	-1.09
9	11.15	14.62	9.89	15.03	1.33	-3.47	-2.14
10	16.66	16.91	16.32	17.28	0.24	-0.25	-0.00
11	20.50	20.14	20.32	20.40	0.15	0.36	0.50
12	18.14	19.19	17.68	19.45	0.40	-1.05	-0.66
13	12.34	16.92	11.89	17.43	0.93	-4.58	-3.65
14	10.71	15.49	10.58	15.99	1.42	-4.78	-3.36
15	10.03	14.59	9.98	15.10	0.93	-4.56	-3.63
16	9.84	13.79	9.83	14.37	0.95	-3.95	-2.99
17	14.07	15.47	14.11	16.03	0.36	-1.41	-1.04
18	16.58	17.24	15.97	17.29	0.22	-0.65	-0.43
19	13.70	15.64	13.68	15.94	0.35	-1.95	-1.59
20	15.62	16.53	15.47	16.81	0.19	-0.91	-0.72
21	12.11	15.34	99.99	99.99	0.61	-3.23	-2.62
22	12.43	15.33	99.99	99.99	0.70	-2.90	-2.19
23	12.78	15.19	12.49	15.77	0.38	-2.40	-2.02
24	11.36	14.62	10.93	15.43	0.71	-3.26	-2.55
25	10.77	14.39	10.84	15.11	0.24	-3.62	-3.37
26	10.19	12.82	11.80	14.62	0.16	-2.63	-2.47
27	16.29	16.04	17.02	16.89	0.20	0.26	0.46
28	18.70	18.45	18.73	18.86	0.09	0.25	0.34
29	15.16	16.85	15.07	17.45	0.09	-1.68	-1.59
30	12.16	13.72	11.98	14.34	0.08	-1.55	-1.47
MONTHLY TOTAL	409.09	473.24	379.92 <sup>28</sup>	459.27 <sup>28</sup>	22.79	-64.15	-41.36



SHORTWAVE RADIATION (MJ/M#2)												
MAY	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
DATE	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
1	0.43	0.27	0.20	0.47	0.36	0.22	0.14	0.12	0.39	0.17	0.38	0.09
2	1.13	0.71	0.46	0.42	0.58	0.44	0.35	0.31	1.98	0.92	1.08	0.58
3	0.57	0.38	0.28	0.62	0.37	0.27	0.18	0.15	0.65	0.35	0.61	0.31
4	0.46	0.35	0.29	0.71	0.37	0.28	0.10	0.16	0.53	0.18	0.47	0.18
5	0.24	0.15	0.09	0.53	0.19	0.12	0.06	0.06	0.24	0.14	0.19	0.04
6	0.26	0.17	0.10	0.29	0.22	0.15	0.09	0.08	0.27	0.13	0.18	0.08
7	0.48	0.35	0.24	0.59	0.24	0.17	0.11	0.10	0.82	0.42	0.50	0.31
8	0.38	0.21	0.15	0.48	0.21	0.14	0.09	0.07	0.27	0.09	0.47	0.29
9	0.45	0.26	0.16	0.48	0.21	0.14	0.09	0.08	0.25	0.09	0.44	0.24
10	0.27	0.18	0.15	0.22	0.16	0.13	0.06	0.24	0.21	0.10	0.36	0.14
11	0.15	0.10	0.07	0.45	0.12	0.08	0.03	0.04	0.15	0.09	0.14	0.04
12	0.20	0.07	0.06	0.10	0.09	0.06	0.02	0.01	0.19	0.14	0.11	0.04
13	0.10	0.06	0.04	0.06	0.06	0.04	0.00	0.0	0.08	0.09	0.05	0.01
14	0.02	0.0	0.00	0.14	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0
15	0.05	0.02	0.01	0.03	0.03	0.01	0.00	0.00	0.0	0.0	0.0	0.0
16	0.03	0.01	0.0	0.01	0.01	0.0	0.0	0.0	0.02	0.01	0.03	0.00
17	0.02	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.02	0.07	0.03	0.00
18	0.05	0.02	0.01	0.07	0.02	0.00	0.0	0.0	0.05	0.14	0.11	0.01
19	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.02	0.19	0.08	0.01
20	0.16	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.04	0.32	0.05	0.00
21	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.00	0.06	0.03	0.0
22	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.13	0.02	0.0
23	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.03	0.01	0.00
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MONTHLY TOTAL	5.45	3.30	2.30	6.00	3.25	2.24	1.32	1.41	6.18	3.85	5.36	2.36

MAY	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)		
	(SURFACE)		(30M)		(SURFACE)		
	DATE	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE
1	15.91	15.91	16.53	16.77	0.07	0.00	0.07
2	10.97	13.54	11.98	12.94	0.54	-2.57	-2.03
3	9.83	11.86	12.09	12.10	0.20	-2.03	-1.83
4	10.78	12.54	12.72	13.36	0.09	-1.76	-1.66
5	13.75	14.96	13.27	15.28	0.05	-1.21	-1.15
6	13.36	15.01	12.87	15.43	0.04	-1.65	-1.61
7	10.72	15.06	11.01	15.53	0.24	-4.34	-4.10
8	10.09	14.96	9.76	15.40	0.16	-4.87	-4.70
9	9.91	14.34	9.66	14.77	0.25	-4.42	-4.18
10	9.51	13.42	9.36	13.91	0.11	-3.91	-3.80
11	10.18	12.83	10.91	13.16	0.03	-2.65	-2.63
12	9.92	13.21	10.87	13.75	0.11	-3.30	-3.18
13	9.71	12.78	9.00	13.19	0.04	-3.07	-3.03
14	11.24	13.66	10.33	13.79	0.02	-2.42	-2.40
15	16.18	16.48	16.00	16.70	0.02	-0.30	-0.28
16	16.01	17.54	15.82	18.02	0.02	-1.53	-1.51
17	14.11	16.88	13.43	17.36	0.02	-2.77	-2.75
18	12.02	15.65	11.12	16.03	0.03	-3.63	-3.60
19	11.23	14.48	10.34	14.93	0.0	-3.25	-3.25
20	9.44	13.60	9.20	14.10	0.16	-4.16	-4.00
21	8.42	12.85	8.38	13.28	0.0	-4.43	-4.43
22	10.08	13.45	10.31	13.89	0.0	-3.36	-3.36
23	13.24	14.67	14.41	15.55	0.0	-1.43	-1.43
24	8.47	12.11	10.14	12.39	0.0	-3.63	-3.63
25	9.75	12.30	10.68	13.44	0.0	-2.56	-2.56
26	12.08	13.70	12.54	14.83	0.0	-1.62	-1.62
27	10.23	12.57	11.25	13.72	0.0	-2.34	-2.34
28	10.11	12.60	13.08	14.66	0.0	-2.48	-2.48
29	12.35	13.99	14.31	15.64	0.0	-1.64	-1.64
30	12.86	14.90	12.77	15.57	0.0	-2.04	-2.04
31	10.00	13.63	10.35	14.48	0.0	-3.63	-3.63
MONTHLY							
TOTAL	352.47	435.47	364.50	453.98	2.20	-83.00	-80.80



JUNE DATE	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)		
	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	TOTAL
1	10.39	12.81	10.85	14.03	0.0	-2.43	-2.43
2	11.02	13.67	11.67	14.51	0.0	-2.66	-2.66
3	11.40	13.15	12.67	14.16	0.0	-1.75	-1.75
4	14.84	15.51	14.98	16.29	0.0	-0.67	-0.67
5	11.43	13.91	11.54	14.41	0.0	-2.48	-2.48
6	9.67	13.12	10.13	13.88	0.0	-3.45	-3.45
7	15.89	16.64	15.95	16.76	0.0	-0.76	-0.76
8	15.42	17.64	15.42	17.75	0.0	-2.21	-2.21
9	12.65	15.60	12.65	15.68	0.0	-2.94	-2.94
10	8.15	12.75	8.15	12.87	0.0	-4.60	-4.60
11	11.12	14.07	12.36	14.61	0.0	-2.95	-2.95
12	9.47	12.64	11.33	12.64	0.0	-3.17	-3.17
13	11.41	12.63	11.16	12.63	0.0	-1.22	-1.22
14	10.72	12.95	10.61	12.95	0.0	-2.23	-2.23
15	11.21	13.45	10.65	13.45	0.0	-2.24	-2.24
16	9.76	12.72	9.50	12.72	0.0	-2.96	-2.96
17	9.21	12.64	8.98	12.64	0.0	-3.43	-3.43
18	9.21	12.70	8.83	12.70	0.0	-3.49	-3.49
19	9.15	13.01	8.77	13.12	0.0	-3.86	-3.86
20	12.72	14.58	12.38	14.70	0.0	-1.86	-1.86
21	11.95	15.11	11.96	15.37	0.0	-3.16	-3.16
22	11.31	14.06	11.40	14.55	0.0	-2.75	-2.75
23	11.47	14.08	11.41	14.34	0.0	-2.61	-2.61
24	9.83	12.99	9.70	13.22	0.0	-3.16	-3.16
25	9.05	12.28	8.73	12.40	0.0	-3.22	-3.22
26	8.35	11.91	8.35	12.07	0.0	-3.56	-3.56
27	8.13	11.61	8.13	11.79	0.0	-3.48	-3.48
28	7.97	11.18	7.97	11.56	0.0	-3.21	-3.21
29	12.30	13.33	12.30	13.74	0.0	-1.03	-1.03
30	14.67	15.71	14.67	16.10	0.0	-1.04	-1.04
MONTHLY TOTAL	329.88	408.46	333.19	417.65	0.0	-78.58	-78.58

JULY		SHORTWAVE RADIATION (MJ/M**2)											
DATE	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
24	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.00	0.0	
25	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	
27	0.01	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.05	0.0	0.02	0.0	
28	0.05	0.05	0.02	0.0	0.05	0.01	0.0	0.0	0.28	0.21	0.11	0.05	
29	0.03	0.01	0.0	0.0	0.05	0.0	0.0	0.0	0.06	0.0	0.04	0.0	
30	0.07	0.03	0.02	0.0	0.07	0.02	0.00	0.0	0.17	0.12	0.10	0.03	
31	0.04	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.07	0.0	0.05	0.0	
MONTHLY TOTAL	0.20	0.10	0.04	0.0	0.25	0.03	0.00	0.0	0.74	0.33	0.33	0.08	

JULY	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)		
	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	TOTAL
1	13.18	15.13	13.18	15.36	0.0	-1.95	-1.95
2	15.59	15.90	15.59	16.04	0.0	-0.30	-0.30
3	15.88	16.63	15.88	16.70	0.0	-0.74	-0.74
4	12.64	15.14	12.50	15.28	0.0	-2.50	-2.50
5	14.14	15.63	13.53	15.67	0.0	-1.49	-1.49
6	12.31	15.48	12.31	15.61	0.0	-3.18	-3.18
7	8.91	13.31	8.86	13.59	0.0	-4.40	-4.40
8	9.45	12.87	8.99	13.02	0.0	-3.42	-3.42
9	8.88	12.34	8.72	12.56	0.0	-3.46	-3.46
10	8.90	12.78	8.32	12.98	0.0	-3.89	-3.89
11	9.21	12.74	8.65	12.99	0.0	-3.53	-3.53
12	8.78	12.89	8.11	13.01	0.0	-4.10	-4.10
13	8.69	12.48	8.06	12.58	0.0	-3.79	-3.79
14	8.33	12.10	7.98	12.29	0.0	-3.76	-3.76
15	8.40	12.69	8.15	12.88	0.0	-4.29	-4.29
16	9.63	13.10	9.90	13.39	0.0	-3.47	-3.47
17	9.68	13.01	9.91	13.05	0.0	-3.33	-3.33
18	8.91	12.25	9.40	13.14	0.0	-3.34	-3.34
19	11.15	12.59	13.99	14.71	0.0	-1.44	-1.44
20	9.36	11.66	13.31	14.10	0.01	-2.31	-2.30
21	8.97	11.68	9.91	12.74	0.0	-2.71	-2.71
22	16.00	15.88	16.18	15.97	0.0	0.13	0.13
23	15.18	16.44	15.14	16.45	0.0	-1.26	-1.26
24	8.28	12.38	8.52	12.64	0.0	-4.10	-4.10
25	10.66	12.91	10.88	13.38	0.01	-2.25	-2.24
26	17.01	17.65	16.95	17.70	0.0	-0.65	-0.65
27	15.54	16.93	15.62	17.08	0.0	-1.39	-1.39
28	9.43	13.20	11.67	14.15	0.01	-3.76	-3.76
29	12.05	14.60	12.93	14.91	0.0	-2.55	-2.55
30	8.31	11.92	10.21	12.86	0.01	-3.62	-3.60
31	10.09	12.20	12.27	13.17	0.0	-2.11	-2.11
MONTHLY							
TOTAL	343.56	426.53	355.63	440.00	0.03	-82.97	-82.94

SHORTWAVE RADIATION (MJ/MH2)													
AUG.	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
DATE	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
1	0.11	0.06	0.03	99.99	0.07	0.02	0.0	0.0	0.13	0.01	0.07	0.0	
2	0.11	0.07	0.05	99.99	0.12	0.06	0.03	0.01	0.24	0.10	0.12	0.04	
3	0.22	0.21	0.10	99.99	0.16	0.09	0.07	0.06	0.45	0.26	0.22	0.11	
4	0.07	0.02	0.01	99.99	0.08	0.01	0.00	0.0	0.11	0.01	0.07	0.0	
5	0.14	0.11	0.03	99.99	0.08	0.01	0.0	0.0	0.11	0.0	0.06	0.0	
6	0.21	0.09	0.11	99.99	0.20	0.11	0.03	0.01	0.27	0.11	0.13	0.01	
7	99.99	99.99	99.99	99.99	0.17	0.07	0.02	0.02	0.20	0.05	0.15	0.02	
8	0.39	0.30	0.21	99.99	0.31	0.20	0.14	0.11	0.37	0.13	0.38	0.18	
9	0.43	0.34	0.26	99.99	0.36	0.25	0.16	0.13	0.51	0.24	0.40	0.19	
10	0.51	0.40	0.31	99.99	0.44	0.29	0.21	0.16	0.74	0.37	0.54	0.28	
11	0.73	0.61	0.49	99.99	0.61	0.45	0.34	0.29	0.84	0.45	0.66	0.37	
12	0.37	0.24	0.18	99.99	0.34	0.17	0.11	0.08	0.49	0.18	0.36	0.12	
13	0.73	0.56	0.45	99.99	0.57	0.38	0.28	0.21	0.81	0.36	0.65	0.33	
14	0.85	0.62	0.46	99.99	0.60	0.40	0.29	0.23	0.75	0.31	0.63	0.30	
15	0.92	0.64	0.48	99.99	0.69	0.47	0.33	0.27	1.29	0.71	0.75	0.37	
16	0.96	0.72	0.58	99.99	0.72	0.49	0.36	0.27	1.72	1.00	0.89	0.51	
17	1.19	0.87	0.71	99.99	0.89	0.64	0.47	0.38	2.08	1.18	1.06	0.72	
18	1.06	0.89	0.57	99.99	0.80	0.55	0.38	0.31	1.14	0.63	0.68	0.34	
19	1.80	1.35	1.02	99.99	1.04	0.74	0.53	0.44	1.34	0.53	1.12	0.66	
20	1.39	1.04	0.86	99.99	1.14	0.82	0.62	0.49	1.49	0.69	1.25	0.80	
21	0.91	0.67	0.48	99.99	0.82	0.53	0.36	0.28	1.00	0.44	99.99	0.25	
22	2.05	1.42	1.18	99.99	1.54	1.14	0.89	0.70	1.79	0.82	1.74	1.03	
23	2.11	1.52	1.19	99.99	1.62	1.22	0.93	0.73	1.88	0.88	1.97	1.23	
24	2.12	1.36	1.10	99.99	1.47	1.05	0.74	0.58	2.69	1.47	1.62	0.90	
25	1.60	1.18	0.93	99.99	1.40	0.98	99.99	0.55	1.70	0.80	1.27	0.56	
26	1.86	1.39	1.04	99.99	1.46	1.02	0.75	0.58	1.83	0.85	1.39	0.64	
27	2.64	2.01	1.52	99.99	1.97	1.43	1.10	0.86	2.28	1.18	2.08	1.04	
28	2.28	1.78	1.34	99.99	1.84	1.35	1.00	0.81	2.44	1.17	99.99	1.05	
29	3.29	2.33	1.91	99.99	2.38	1.73	1.34	1.05	4.61	1.79	2.63	1.60	
30	1.71	1.24	0.87	99.99	1.48	0.99	0.67	0.54	1.76	0.77	1.24	0.52	
31	1.83	1.37	0.96	99.99	1.62	1.07	0.75	0.61	1.93	0.86	1.55	0.55	
MONTHLY TOTAL	34.61 <sup>30</sup>	25.40 <sup>30</sup>	19.43 <sup>30</sup>	0.0 <sup>0</sup>	27.01	18.73	12.92	10.75	38.98	18.33	25.66 <sup>29</sup>	14.74	

AUG.	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)		
	(SURFACE)		(30M)		(SURFACE)		
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL
1	9.66	12.39	10.90	12.65	0.04	-2.73	-2.68
2	7.89	11.52	9.20	11.63	0.00	-3.63	-3.63
3	8.14	12.41	9.55	12.74	0.06	-4.27	-4.22
4	10.61	13.39	10.82	13.50	0.0	-2.79	-2.79
5	16.14	16.26	16.03	16.21	0.09	-0.12	-0.03
6	15.45	16.29	14.34	16.24	0.02	-0.84	-0.81
7	14.91	16.20	13.91	16.17	0.0	-1.29	-1.29
8	11.27	15.13	11.00	15.25	0.08	-3.86	-3.78
9	12.06	15.70	11.75	15.79	0.07	-3.65	-3.58
10	11.80	15.41	11.28	15.50	0.08	-3.60	-3.52
11	10.97	14.74	10.25	14.84	0.12	-3.76	-3.64
12	14.56	17.35	13.21	17.39	0.04	-2.79	-2.75
13	13.63	16.65	13.07	16.70	0.17	-3.02	-2.85
14	11.22	14.79	11.33	14.96	0.25	-3.57	-3.32
15	10.95	14.29	12.64	14.72	0.23	-3.34	-3.11
16	9.71	13.35	10.81	13.61	0.25	-3.65	-3.40
17	8.63	12.68	8.62	12.76	0.30	-4.05	-3.75
18	8.81	12.37	8.95	12.71	0.26	-3.55	-3.30
19	7.67	11.76	7.96	11.96	0.76	-4.09	-3.32
20	8.38	11.48	8.39	11.66	0.26	-3.10	-2.84
21	13.34	14.38	13.46	14.55	0.09	-1.04	-0.95
22	8.40	11.97	9.01	12.80	0.51	-3.57	-3.05
23	7.30	10.92	7.32	11.14	0.48	-3.62	-3.14
24	10.03	12.05	10.91	12.86	0.64	-2.02	-1.38
25	12.76	14.62	12.75	14.79	0.20	-1.86	-1.66
26	10.44	13.15	10.60	13.34	0.40	-2.71	-2.31
27	9.69	12.14	9.80	12.27	0.67	-2.45	-1.78
28	9.42	11.94	9.00	12.02	0.45	-2.52	-2.07
29	8.72	13.01	8.07	13.18	0.91	-4.29	-3.38
30	14.45	15.32	14.17	15.42	0.23	-0.88	-0.65
31	14.71	15.84	14.64	15.84	0.23	-1.13	-0.91
MONTHLY							
TOTAL	341.71	429.51	343.74	435.20	7.90 <sup>30</sup>	-87.80	-79.90



SHORTWAVE RADIATION (MJ/M**2)													
SEP.	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
DATE	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
1	2.74	2.10	1.58	99.99	2.22	1.61	1.19	0.96	2.71	1.45	99.99	1.10	
2	1.91	1.30	0.96	99.99	1.64	1.07	0.76	0.61	2.12	0.90	1.65	0.63	
3	2.37	1.77	1.31	99.99	2.03	1.38	1.03	0.85	2.72	1.36	2.21	0.95	
4	2.45	1.82	1.29	99.99	2.21	1.47	0.98	0.77	2.75	1.21	2.20	0.82	
5	2.57	1.98	1.42	99.99	2.16	1.59	1.10	0.92	3.03	1.49	2.56	0.98	
6	2.98	2.25	1.68	99.99	2.56	1.76	1.27	1.06	3.34	1.67	2.67	1.05	
7	3.80	2.89	2.21	99.99	3.00	2.11	1.56	1.27	3.68	1.92	3.31	1.60	
8	5.16	3.88	3.03	99.99	4.02	2.89	2.23	1.76	4.68	2.53	4.54	2.37	
9	5.32	4.00	3.13	99.99	4.45	3.21	2.49	1.93	5.32	2.70	4.49	2.30	
10	4.60	3.63	2.64	99.99	3.63	2.60	1.88	1.54	5.37	2.67	4.26	2.32	
11	3.54	2.65	1.88	99.99	2.95	2.00	1.37	1.11	3.64	1.64	2.86	1.07	
12	5.34	4.13	3.21	99.99	4.50	3.20	2.41	1.86	5.30	2.78	4.69	2.31	
13	6.17	4.98	3.86	99.99	5.21	3.76	2.86	2.19	5.97	3.28	5.27	2.64	
14	6.85	5.10	3.69	99.99	4.94	3.56	2.64	2.05	6.38	3.34	5.00	2.39	
15	5.83	4.45	3.33	99.99	4.55	3.21	2.37	1.84	5.92	2.95	4.54	2.07	
16	6.90	5.42	4.23	99.99	5.77	4.16	3.13	2.43	6.90	3.65	5.88	2.90	
17	7.36	5.67	4.31	99.99	5.69	4.15	3.11	2.46	7.13	3.95	6.23	3.14	
18	4.83	3.66	2.61	99.99	3.87	2.75	1.89	1.57	5.19	2.50	4.11	1.73	
19	5.45	4.15	2.94	99.99	4.38	3.09	2.17	1.77	5.58	2.64	4.48	1.76	
20	7.63	5.66	4.33	99.99	5.99	4.30	3.19	2.53	7.93	3.93	6.69	3.16	
21	8.93	6.79	5.34	99.99	7.22	5.24	3.94	3.06	9.09	4.66	99.99	3.72	
22	9.40	6.99	5.51	99.99	7.40	5.37	4.02	3.16	9.23	4.86	99.99	3.86	
23	9.80	7.08	5.55	99.99	7.39	5.39	4.02	3.18	9.37	4.96	99.99	3.91	
24	10.15	7.33	5.46	99.99	7.11	5.21	3.85	3.09	9.63	5.02	99.99	3.98	
25	11.50	8.48	6.49	99.99	8.25	6.00	4.51	3.56	10.04	5.42	8.73	4.15	
26	11.30	8.25	6.46	99.99	8.32	6.12	4.59	3.64	10.32	5.66	8.78	4.41	
27	10.95	8.29	6.49	99.99	8.31	6.02	4.51	3.57	11.30	5.73	8.65	4.29	
28	10.82	7.91	6.21	99.99	8.40	5.98	4.46	3.51	12.40	5.83	8.40	3.98	
29	9.80	7.60	5.84	99.99	8.08	5.68	4.18	3.30	9.86	5.10	7.94	3.59	
30	10.64	8.29	6.38	99.99	8.65	6.13	4.53	3.58	10.62	5.63	8.47	3.91	
MONTHLY TOTAL	197.07	148.51	113.37	0.0 <sup>0</sup>	154.91	111.01	82.24	65.11	197.53	101.44	128.60 <sup>25</sup>	77.09	

SEP.	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)		
	(SURFACE)		(30M)		(SURFACE)		
	DATE	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE
1	11.99	14.57	11.37	14.63	0.53	-2.58	-2.05
2	14.00	14.53	14.01	14.52	0.27	-0.52	-0.25
3	14.75	15.49	14.50	15.48	0.34	-0.74	-0.40
4	16.23	17.04	15.45	16.99	0.24	-0.81	-0.56
5	14.05	15.47	12.23	15.42	0.42	-1.41	-0.99
6	13.40	15.40	12.98	15.38	0.41	-2.00	-1.59
7	11.20	15.61	10.67	15.73	0.80	-4.41	-3.61
8	11.33	15.78	11.09	15.96	1.14	-4.45	-3.31
9	11.23	14.99	11.14	15.21	0.88	-3.75	-2.87
10	10.47	13.73	9.35	13.82	0.97	-3.26	-2.29
11	15.08	15.84	15.06	15.84	0.59	-0.76	-0.17
12	10.39	14.50	10.40	14.67	0.85	-4.11	-3.27
13	8.70	13.28	8.83	13.58	0.96	-4.58	-3.62
14	10.97	13.53	10.88	13.70	1.91	-2.56	-0.65
15	11.08	13.87	11.01	14.03	1.28	-2.79	-1.51
16	10.02	13.64	10.07	13.79	1.13	-3.62	-2.49
17	10.07	13.44	9.75	13.54	1.66	-3.38	-1.71
18	15.16	16.02	14.09	16.01	0.95	-0.86	0.09
19	14.65	16.44	14.06	16.41	1.06	-1.80	-0.73
20	11.49	15.40	99.99	99.99	1.64	-3.91	-2.26
21	9.24	13.92	9.03	14.01	1.71	-4.68	-2.97
22	8.77	14.04	8.41	14.14	2.01	-5.27	-3.26
23	8.67	13.15	8.25	13.18	2.41	-4.48	-2.07
24	9.67	13.93	8.74	14.01	3.05	-4.26	-1.21
25	8.11	13.78	7.93	13.83	3.25	-5.67	-2.42
26	7.77	13.15	7.64	13.18	2.98	-5.38	-2.41
27	8.45	13.49	8.05	13.65	2.64	-5.04	-2.40
28	10.12	14.55	9.92	14.89	2.42	-4.42	-2.00
29	11.98	15.77	11.97	16.03	1.72	-3.80	-2.08
30	10.42	15.07	10.45	15.36	2.00	-4.64	-2.65
MONTHLY							
TOTAL	339.46	439.41	317.34	426.98 <sup>9</sup>	42.23	-99.95	-57.71

SHORTWAVE RADIATION (MJ/M**2)													
OCT.	GLOBAL(SURFACE)				REFLECTED(SURFACE)				GLOBAL(30M)		REFLECTED(30M)		
DATE	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
1	10.67	8.34	6.53	99.99	8.79	6.25	4.63	3.68	10.80	5.66	8.66	4.02	
2	11.20	8.64	6.70	99.99	9.08	6.42	4.73	3.77	11.19	5.88	8.87	4.03	
3	7.88	5.81	4.07	99.99	6.63	4.44	3.05	2.42	7.99	3.52	6.31	2.25	
4	13.31	10.22	8.06	99.99	10.82	7.69	5.86	4.60	13.35	7.07	10.53	4.99	
5	13.98	10.81	8.58	99.99	11.24	8.08	6.12	4.81	13.94	7.49	10.97	5.24	
6	14.17	10.98	8.70	99.99	11.46	8.23	6.19	4.84	14.14	7.57	11.15	5.27	
7	14.57	11.40	9.08	99.99	11.72	8.39	6.28	4.93	14.69	7.90	11.44	5.38	
8	13.86	10.57	8.27	99.99	11.05	7.96	5.80	4.66	14.09	7.50	11.42	5.38	
9	16.64	11.82	9.21	99.99	12.04	8.60	6.35	5.04	15.25	8.00	12.05	5.64	
10	15.80	12.02	9.62	99.99	12.64	9.02	6.64	5.26	15.81	8.35	12.29	5.72	
11	15.98	12.10	9.72	99.99	12.79	9.10	6.72	4.03	16.10	8.47	12.49	5.83	
12	16.30	12.42	10.00	99.99	13.09	9.32	6.91	5.47	16.42	8.72	12.78	5.98	
13	17.34	12.72	10.14	99.99	13.56	9.52	7.04	5.60	17.00	8.82	13.21	6.02	
14	16.79	12.60	10.12	99.99	13.56	9.47	7.01	5.56	16.90	8.80	13.10	5.95	
15	17.75	13.34	10.78	99.99	14.15	10.00	7.40	5.88	17.80	9.40	13.72	6.35	
16	18.19	13.71	11.05	99.99	14.42	10.25	7.57	6.04	18.20	9.61	13.98	6.47	
17	18.55	14.00	11.28	99.99	14.79	10.50	7.73	6.16	18.61	9.81	14.30	6.56	
18	19.11	14.39	11.61	99.99	15.15	10.77	7.86	6.29	19.10	10.08	14.63	6.72	
19	19.43	14.64	11.84	10.58	15.43	10.99	8.07	6.44	19.44	10.29	14.90	6.83	
20	19.91	15.05	12.16	10.84	15.80	11.26	8.27	6.62	19.97	10.65	15.34	7.01	
21	19.99	14.99	12.01	10.69	16.00	11.27	8.26	6.59	20.13	10.50	15.50	6.96	
22	13.86	10.02	7.29	5.97	11.94	8.09	5.62	4.55	14.15	6.32	11.34	4.39	
23	16.87	12.61	9.60	8.35	14.34	10.04	7.18	5.86	17.13	8.30	13.56	5.69	
24	17.31	12.66	9.55	8.06	14.32	9.99	6.70	5.47	17.44	8.33	13.51	5.59	
25	21.64	15.96	12.67	10.94	17.13	11.91	9.00	7.03	21.45	11.06	16.86	7.56	
26	19.37	14.47	11.24	9.79	16.04	11.08	8.12	6.49	19.49	9.78	15.17	6.40	
27	23.03	16.88	13.38	11.81	18.09	12.86	9.70	7.86	24.95	11.91	17.30	7.93	
28	19.25	14.33	10.90	9.49	16.42	11.32	8.31	6.63	19.51	9.55	15.55	6.56	
29	19.82	14.84	11.38	10.05	16.87	11.63	8.63	6.92	20.18	10.02	16.04	6.90	
30	22.85	16.71	13.19	11.57	18.85	13.07	9.87	7.85	22.54	11.55	17.64	7.78	
31	22.99	17.72	14.19	12.63	19.01	13.47	10.27	8.17	23.03	12.60	18.33	8.37	
MONTHLY TOTAL	528.42	396.78	312.92	130.77 <sup>13</sup>	427.22	300.98	221.90	175.53	530.80	273.51	412.96	185.75	

OCT. DATE	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)		
	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	TOTAL
1	9.99	14.87	10.12	15.18	1.89	-4.88	-3.00
2	11.63	15.57	11.62	15.66	2.12	-3.94	-1.82
3	15.91	16.93	15.96	16.95	1.25	-1.01	0.23
4	10.25	15.38	10.46	15.84	2.49	-5.12	-2.63
5	8.22	13.81	8.39	14.15	2.74	-5.58	-2.84
6	8.19	14.34	8.29	14.55	2.71	-6.15	-3.43
7	8.49	14.92	8.59	15.13	2.86	-6.43	-3.57
8	9.70	14.60	9.16	14.71	2.82	-4.90	-2.08
9	9.31	14.89	9.19	15.01	4.61	-5.58	-0.97
10	9.18	15.07	9.34	15.15	3.17	-5.90	-2.73
11	9.43	15.11	9.49	15.18	3.20	-5.68	-2.48
12	9.50	15.34	9.54	15.47	3.21	-5.84	-2.63
13	11.24	16.97	11.26	17.03	3.78	-5.73	-1.95
14	11.10	17.17	11.15	17.28	3.23	-6.07	-2.84
15	9.96	16.47	9.99	16.38	3.60	-6.50	-2.90
16	9.36	15.48	9.51	15.55	3.78	-6.12	-2.34
17	9.48	15.48	9.57	15.56	3.77	-6.00	-2.23
18	9.21	15.33	9.32	15.37	3.96	-6.11	-2.15
19	9.11	14.92	9.20	15.13	3.99	-5.82	-1.82
20	9.04	15.15	9.13	15.22	4.11	-6.11	-2.00
21	11.80	16.20	12.01	16.40	4.00	-4.40	-0.40
22	17.06	17.87	17.10	17.97	1.92	-0.81	1.12
23	14.53	17.29	14.57	17.52	2.54	-2.76	-0.23
24	13.91	17.45	13.88	17.57	2.99	-3.54	-0.55
25	11.85	17.48	11.84	17.64	4.51	-5.63	-1.11
26	15.38	18.20	15.39	18.29	3.33	-2.82	0.51
27	12.51	17.28	12.67	17.73	4.94	-4.77	0.17
28	15.50	18.10	15.59	18.32	2.83	-2.59	0.23
29	14.80	18.17	14.83	18.52	2.94	-3.37	-0.42
30	13.66	17.72	13.65	17.86	4.01	-4.06	-0.05
31	12.45	18.10	12.92	17.30	3.99	-5.65	-1.66
MONTHLY TOTAL	351.77	501.64	353.69	505.65	101.30	-149.87	-48.57

SHORTWAVE RADIATION (MJ/M**2)												
NOV.	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
DATE	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
1	24.44	18.37	14.68	12.95	20.39	14.51	10.87	8.69	24.33	12.78	19.23	8.70
2	23.35	17.43	13.68	11.82	19.53	13.71	10.13	8.08	23.44	11.85	18.64	8.17
3	22.88	17.10	13.20	11.20	19.11	13.33	9.73	7.78	23.00	11.45	18.23	7.80
4	25.13	18.67	14.68	11.94	20.63	14.54	10.70	8.59	25.12	12.88	19.98	8.83
5	24.97	18.40	14.46	12.58	20.45	14.26	10.51	8.39	24.95	12.66	19.77	8.65
6	26.85	19.95	15.92	99.99	21.88	15.33	11.38	9.13	26.57	13.84	20.88	9.26
7	24.05	17.90	13.65	11.90	20.14	13.92	10.08	8.11	24.15	11.84	19.13	7.99
8	21.32	15.52	11.53	99.99	18.17	12.31	8.68	6.99	21.63	9.96	17.13	6.70
9	21.35	15.87	11.43	99.99	17.99	12.18	8.58	6.93	22.55	10.54	18.03	7.32
10	25.41	19.17	14.62	99.99	20.75	14.25	10.38	8.33	25.67	12.81	20.24	8.61
11	26.30	19.85	15.20	99.99	21.45	14.98	10.90	8.83	26.42	13.44	20.99	9.15
12	29.02	21.99	17.30	99.99	23.52	16.54	12.13	9.87	29.04	15.15	22.77	10.14
13	29.48	22.18	17.77	15.82	23.77	16.70	12.27	10.03	29.62	15.65	22.89	10.20
14	31.09	23.29	18.36	16.39	24.63	17.40	12.73	10.40	30.53	16.38	23.82	10.59
15	28.30	21.28	16.21	99.99	22.72	15.83	11.37	9.26	27.97	14.38	21.61	9.19
16	20.98	14.94	10.08	99.99	18.02	11.72	7.83	6.17	21.44	8.66	17.39	6.12
17	30.00	22.41	17.41	99.99	24.15	16.81	12.27	9.91	29.92	15.37	23.58	10.32
18	24.75	18.15	13.41	99.99	20.57	13.93	9.74	7.86	24.85	11.64	19.54	7.67
19	28.10	21.17	15.98	99.99	23.05	15.63	11.22	9.03	28.41	13.99	22.22	9.14
20	30.12	22.69	17.57	99.99	24.28	16.53	12.06	9.70	30.06	99.99	23.25	9.85
21	22.93	16.23	11.24	99.99	19.58	12.79	8.71	6.95	23.06	99.99	18.61	6.63
22	30.85	22.98	17.72	99.99	25.49	17.75	12.85	10.72	31.09	99.99	24.80	10.52
23	32.69	24.52	19.17	99.99	26.79	18.83	13.86	11.41	32.91	99.99	26.26	11.58
24	29.45	21.73	16.58	99.99	24.51	16.69	12.10	9.79	29.56	99.99	23.09	9.43
25	31.99	23.70	18.49	16.35	26.43	18.39	13.46	11.02	32.02	99.99	25.13	10.74
26	33.41	24.25	19.68	17.40	27.14	18.88	13.89	11.35	33.58	99.99	26.43	10.33
27	35.11	25.54	20.91	18.49	28.50	20.21	14.88	12.24	34.90	99.99	27.41	12.15
28	35.32	26.26	21.04	18.67	28.56	20.33	14.93	12.31	35.16	99.99	27.60	12.22
29	35.61	26.46	21.21	18.82	29.06	20.60	15.18	12.52	35.33	99.99	26.51	11.71
30	35.59	26.41	21.08	18.69	29.47	20.77	15.31	12.64	35.48	18.77	27.88	12.23
MONTHLY TOTAL	840.84	624.39	484.28	213.03 <sup>14</sup>	690.74	479.67	348.70	283.04	842.73	264.04 <sup>20</sup>	663.03	281.95

NOV.	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)		
	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)	
DATE	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	TOTAL
1	10.71	16.03	10.93	16.17	4.05	-5.32	-1.27
2	12.36	17.08	12.47	17.18	3.83	-4.72	-0.89
3	13.32	17.58	13.32	17.65	3.77	-4.26	-0.49
4	12.41	17.57	12.13	17.63	4.51	-5.16	-0.65
5	12.41	17.82	12.43	17.97	4.52	-5.42	-0.89
6	11.21	17.46	11.24	17.80	4.99	-6.26	-1.27
7	15.32	18.72	15.26	18.97	3.91	-3.40	0.51
8	17.89	19.95	17.77	20.02	3.16	-2.06	1.10
9	18.94	20.01	18.17	19.89	3.38	-1.08	2.30
10	15.27	19.35	15.04	19.32	4.67	-4.08	0.59
11	13.35	18.40	12.93	18.48	4.86	-5.05	-0.19
12	11.48	17.81	11.31	17.93	5.51	-6.33	-0.82
13	10.75	17.52	10.77	17.78	5.73	-6.77	-1.04
14	10.89	17.73	10.82	18.03	6.46	-6.85	-0.38
15	13.65	18.94	13.39	18.84	5.58	-5.29	0.29
16	18.51	19.90	18.09	19.85	2.97	-1.39	1.58
17	13.27	19.25	12.86	19.21	5.86	-5.98	-0.12
18	16.05	19.77	15.71	19.78	4.21	-3.71	0.49
19	16.23	20.71	16.03	20.71	5.09	-4.48	0.62
20	14.43	20.58	14.30	20.67	5.86	-6.15	-0.29
21	20.18	21.26	20.04	21.13	3.35	-1.09	2.26
22	15.87	21.45	15.68	21.41	5.38	-5.58	-0.20
23	13.81	20.59	13.08	20.53	5.97	-6.78	-0.81
24	16.52	21.92	16.25	21.93	4.97	-5.40	-0.43
25	14.41	21.19	14.17	21.17	5.64	-6.77	-1.14
26	13.28	20.43	13.10	20.43	6.28	-7.15	-0.86
27	11.42	19.16	11.11	19.08	6.68	-7.74	-1.06
28	11.27	18.92	11.07	18.86	6.82	-7.65	-0.82
29	11.40	18.90	11.17	18.86	6.72	-7.50	-0.78
30	12.12	19.40	11.89	19.58	6.42	-7.28	-0.86
MONTHLY TOTAL	418.70	575.41	412.50	576.90	151.17	-156.70	-5.53

DEC.	SHORTWAVE RADIATION (MJ/M**2)												
	DATE	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
		(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
1	35.72	26.46	21.10	18.69	28.89	20.36	14.99	12.27	35.59	18.71	27.68	11.98	
2	36.12	26.76	21.29	18.88	29.02	20.55	15.07	12.41	35.92	18.88	28.19	12.22	
3	36.79	99.99	21.69	19.38	29.25	99.99	15.18	12.50	36.95	19.02	28.34	12.32	
4	36.47	99.99	21.63	19.16	29.61	99.99	15.30	12.65	36.47	19.11	28.84	12.47	
5	36.41	99.99	21.53	19.06	29.55	99.99	15.21	12.51	36.49	19.00	29.55	12.40	
6	37.28	99.99	22.15	19.58	30.22	99.99	15.66	12.90	37.26	19.55	29.48	12.75	
7	36.82	99.99	21.73	19.15	29.94	99.99	15.39	12.65	36.71	19.10	29.12	12.46	
8	37.21	99.99	21.57	19.02	29.84	99.99	15.20	12.52	36.79	18.99	29.05	12.37	
9	37.04	99.99	21.73	19.19	30.20	99.99	15.37	12.67	37.11	19.10	29.18	12.49	
10	37.47	99.99	99.99	19.42	30.54	99.99	99.99	12.83	37.46	19.30	29.41	12.60	
11	37.16	27.77	99.99	19.27	30.19	21.13	99.99	12.60	37.11	19.12	29.03	12.44	
12	36.82	27.48	99.99	19.07	29.95	20.82	99.99	12.43	37.31	18.96	28.99	12.33	
13	37.44	27.87	99.99	19.39	30.49	21.25	99.99	12.70	37.51	19.27	29.46	12.58	
14	38.05	28.28	99.99	19.72	30.98	21.63	99.99	12.98	38.11	19.58	29.87	12.80	
15	38.06	28.30	99.99	19.81	30.87	21.51	99.99	12.94	38.11	19.70	29.45	12.62	
16	36.76	27.33	99.99	18.95	29.93	20.57	99.99	12.23	36.90	18.79	28.32	11.89	
17	34.57	25.54	99.99	99.99	28.52	19.28	99.99	99.99	35.19	17.30	26.71	10.67	
18	34.21	25.15	19.36	99.99	28.75	19.41	14.22	99.99	34.64	16.80	27.25	10.94	
19	37.02	27.43	21.57	99.99	30.42	20.82	15.35	99.99	37.28	18.85	29.12	12.10	
20	36.69	27.21	21.23	99.99	30.13	20.54	15.01	99.99	37.02	18.49	29.24	12.03	
21	38.15	28.36	22.39	99.99	31.35	21.72	15.87	99.99	38.39	19.78	30.12	12.61	
22	38.23	28.44	22.45	99.99	31.11	21.58	15.74	99.99	38.29	19.64	30.00	12.60	
23	38.18	28.44	22.52	99.99	30.90	21.45	15.64	99.99	38.36	19.76	29.97	12.66	
24	37.84	28.08	22.19	99.99	30.78	21.41	15.58	99.99	38.04	19.47	99.99	99.99	
25	34.90	25.76	19.71	17.20	28.27	18.98	13.69	10.95	35.26	17.17	99.99	99.99	
26	32.08	23.42	17.74	15.36	27.02	18.11	13.06	10.53	32.52	15.36	99.99	99.99	
27	35.99	26.55	20.58	18.08	30.02	20.65	15.14	12.29	36.11	17.96	99.99	99.99	
28	37.66	28.08	22.03	19.43	31.08	21.58	15.92	12.97	37.89	19.34	99.99	99.99	
29	35.43	26.14	20.26	17.71	29.38	20.28	14.75	12.03	35.61	17.67	99.99	99.99	
30	28.02	19.79	14.16	11.90	23.94	15.65	10.82	8.56	28.54	12.07	99.99	99.99	
31	28.00	19.94	14.44	12.21	23.71	15.58	10.94	8.67	28.61	12.40	99.99	99.99	
MONTHLY TOTAL	1118.56	608.59 <sup>23</sup>	475.08 <sup>23</sup>	419.62 <sup>23</sup>	914.81	464.85 <sup>23</sup>	339.09 <sup>23</sup>	277.80 <sup>23</sup>	1123.55	568.22	666.39 <sup>3</sup>	282.31 <sup>23</sup>	

DEC.	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)		
	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)	
DATE	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	TOTAL
1	12.50	19.64	12.33	20.07	6.90	-7.13	-0.24
2	12.40	19.55	12.23	20.10	7.15	-7.15	0.00
3	12.17	19.38	12.02	20.02	7.58	-7.21	0.37
4	11.95	19.22	11.81	19.67	7.00	-7.27	-0.27
5	12.43	19.50	12.28	19.82	6.97	-7.07	-0.10
6	11.85	19.52	11.59	19.47	7.17	-7.67	-0.50
7	12.40	19.79	12.11	19.85	6.98	-7.39	-0.41
8	12.86	20.17	12.65	20.41	7.42	-7.31	0.11
9	13.28	20.51	13.10	20.75	6.96	-7.24	-0.28
10	13.15	20.32	12.98	20.58	7.05	-7.17	-0.11
11	13.11	19.92	12.86	20.06	7.05	-6.81	0.24
12	13.45	20.52	13.35	20.88	6.91	-7.07	-0.15
13	13.47	20.62	13.28	20.87	7.05	-7.15	-0.10
14	13.55	20.94	13.34	21.01	7.17	-7.39	-0.22
15	13.06	20.78	12.83	20.90	7.30	-7.72	-0.42
16	13.83	21.09	13.59	21.15	6.93	-7.26	-0.33
17	16.77	21.89	16.54	21.94	6.07	-5.12	0.95
18	17.50	22.82	17.36	23.04	5.52	-5.31	0.21
19	14.77	22.16	14.60	22.30	6.75	-7.38	-0.64
20	15.46	22.53	15.22	22.51	6.61	-7.07	-0.46
21	13.94	21.76	13.64	21.83	6.94	-7.82	-0.89
22	13.55	21.30	13.19	21.29	7.22	-7.75	-0.53
23	13.06	20.98	12.80	20.96	7.34	-7.92	-0.58
24	13.41	20.80	13.14	20.85	7.16	-7.39	-0.23
25	17.26	22.22	17.13	22.46	6.67	-4.96	1.71
26	18.52	23.06	18.36	23.29	5.11	-4.54	0.56
27	15.59	22.07	15.37	22.29	6.04	-6.48	-0.44
28	13.85	21.46	13.63	21.87	6.67	-7.61	-0.94
29	15.27	21.24	15.07	21.52	6.16	-5.97	0.19
30	19.72	22.04	19.63	22.20	4.08	-2.32	1.76
31	19.21	22.03	19.12	22.22	4.30	-2.83	1.47
MONTHLY TOTAL	443.35	649.82	437.17	656.17	206.21	-206.47	-0.27



Table 4. Hourly radiation data at Mizuho Station in 1979.

Figures in parentheses, such as (305), mean the shortwave radiation measured with the cutoff filter of 305 nm, and (BLANK) means the shortwave radiation measured without filter in the rotating filter disk.

When the data are missing 9.99 is printed in the table.

Asterisk shows the erroneous global radiation data on account of a frost deposit on the sensor filter dome.

SHORTWAVE RADIATION (MJ/M**2)												
FEB. 18	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HOUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.00	0.0	0.02	0.0	0.0	0.0	0.0	0.00	0.00	0.0	0.0
1-2	0.0	0.02	0.00	0.06	0.0	0.0	0.0	0.0	0.00	0.03	0.0	0.0
2-3	0.0	0.01	0.01	0.03	0.0	0.0	0.0	0.0	0.00	0.03	0.0	0.0
3-4	0.05	0.07	0.02	0.05	0.0	0.0	0.0	0.0	0.02	0.04	0.0	0.0
4-5	0.08	0.06	0.05	0.04	0.04	0.01	0.0	0.0	0.08	0.04	0.04	0.0
5-6	0.40	0.33	0.27	0.24	0.33	0.26	0.18	0.16	0.40	0.24	0.33	0.16
6-7	0.75	0.58	0.46	0.40	0.61	0.45	0.32	0.28	0.76	0.41	0.61	0.28
7-8	1.00	0.76	0.59	0.52	0.83	0.60	0.42	0.36	1.02	0.53	0.81	0.35
8-9	1.66	1.28	0.98	0.86	1.36	1.00	0.71	0.60	1.66	0.85	1.29	0.57
9-10	1.83	1.39	1.06	0.93	1.50	1.09	0.77	0.65	1.85	0.94	1.44	0.63
10-11	1.87	1.41	1.07	0.96	1.53	1.10	0.77	0.65	1.85	0.94	1.47	0.64
11-12	2.01	1.51	1.15	1.03	1.64	1.17	0.83	0.70	1.98	1.02	1.59	0.69
12-13	2.07	1.56	1.19	1.06	1.69	1.21	0.86	0.72	2.01	1.02	1.63	0.71
13-14	2.34	1.76	1.35	1.20	1.91	1.37	0.99	0.82	2.28	1.18	1.84	0.82
14-15	2.13	1.61	1.24	1.10	1.75	1.26	0.91	0.76	2.09	1.09	1.71	0.77
15-16	1.70	1.31	1.00	0.91	1.43	1.03	0.75	0.63	1.67	0.88	1.39	0.63
16-17	1.39	1.07	0.82	0.75	1.17	0.85	0.61	0.53	1.37	0.72	1.15	0.54
17-18	1.00	0.77	0.61	0.57	0.86	0.64	0.47	0.40	1.00	0.54	0.85	0.41
18-19	0.63	0.46	0.38	0.37	0.54	0.41	0.30	0.27	0.64	0.35	0.55	0.28
19-20	0.29	0.21	0.19	0.18	0.26	0.20	0.15	0.13	0.32	0.17	0.25	0.13
20-21	0.04	0.03	0.02	0.01	0.0	0.0	0.0	0.0	0.04	0.02	0.00	0.0
21-22	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	21.25	16.22	12.45	11.31	17.42	12.66	9.05	7.66	21.05	11.04	16.94	7.60

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
FEB. 18	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
HOUR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.57	0.74	0.56	9.99	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
1-2	0.58	0.74	0.56	9.99	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
2-3	0.55	0.72	0.54	9.99	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
3-4	0.60	0.72	0.59	9.99	0.05	-0.12	-0.08	0.0	0.0	0.0	0.0	
4-5	0.57	0.72	0.56	9.99	0.04	-0.15	-0.11	0.035	0.037	0.033	0.030	
5-6	0.63	0.72	0.62	9.99	0.07	-0.09	-0.02	0.175	0.189	0.164	0.143	
6-7	0.63	0.74	0.61	9.99	0.14	-0.11	0.03	0.171	0.182	0.152	0.131	
7-8	0.60	0.75	0.59	9.99	0.17	-0.15	0.03	0.252	0.244	0.204	0.175	
8-9	0.65	0.77	0.64	9.99	0.30	-0.12	0.18	0.388	0.403	0.334	0.287	
9-10	0.64	0.79	0.64	9.99	0.33	-0.15	0.18	0.400	0.398	0.328	0.281	
10-11	0.60	0.80	0.60	9.99	0.34	-0.20	0.14	0.453	0.457	0.376	0.323	
11-12	0.57	0.81	0.58	9.99	0.37	-0.24	0.14	0.549	0.539	0.444	0.382	
12-13	0.59	0.82	0.59	9.99	0.39	-0.23	0.15	0.490	0.505	0.415	0.355	
13-14	0.59	0.84	0.60	9.99	0.43	-0.25	0.19	0.673	0.667	0.549	0.472	
14-15	0.56	0.83	0.56	9.99	0.39	-0.27	0.11	0.839	0.785	0.647	0.557	
15-16	0.52	0.83	0.54	9.99	0.28	-0.30	-0.03	0.761	0.776	0.642	0.553	
16-17	0.52	0.81	0.47	9.99	0.22	-0.29	-0.07	0.726	0.765	0.638	0.551	
17-18	0.52	0.80	0.53	9.99	0.14	-0.28	-0.14	0.672	0.724	0.610	0.529	
18-19	0.52	0.78	0.52	9.99	0.09	-0.26	-0.17	0.652	0.668	0.574	0.502	
19-20	0.57	0.77	0.56	9.99	0.03	-0.20	-0.16	0.446	0.498	0.441	0.391	
20-21	0.69	0.78	0.69	9.99	0.04	-0.09	-0.05	0.008	0.010	0.009	0.009	
21-22	0.66	0.77	0.65	9.99	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
22-23	0.68	0.76	0.67	9.99	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
23-24	0.77	0.77	0.76	9.99	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
TOTAL	14.37	18.58	14.23	99.99	3.82	-4.21	-0.38					

SHORTWAVE RADIATION (MJ/M**2)													
FEB. 19	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
HOUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.13	0.14	0.01	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	
4- 5	0.07	0.05	0.04	0.03	0.02	0.00	0.0	0.0	0.07	0.04	0.02	0.0	
5- 6	0.24	0.18	0.13	0.12	0.20	0.13	0.09	0.08	0.24	0.12	0.19	0.07	
6- 7	0.48	0.36	0.26	0.23	0.40	0.28	0.19	0.17	0.48	0.23	0.38	0.15	
7- 8	0.74	0.55	0.40	0.34	0.62	0.43	0.30	0.25	0.74	0.35	0.59	0.23	
8- 9	1.18	0.90	0.67	0.59	0.99	0.71	0.49	0.42	1.19	0.59	0.93	0.39	
9-10	1.58	1.20	0.91	0.80	1.29	0.92	0.65	0.55	1.59	0.80	1.23	0.53	
10-11	1.67	1.28	0.92	0.81	1.37	0.99	0.68	0.57	1.68	0.81	1.31	0.54	
11-12	2.08	1.62	1.23	1.10	1.75	1.25	0.89	0.75	1.96	1.03	1.66	0.71	
12-13	2.21	1.65	1.28	1.14	1.77	1.26	0.91	0.77	2.19	1.12	1.72	0.76	
13-14	2.18	1.62	1.25	1.12	1.75	1.24	0.90	0.76	2.15	1.11	1.70	0.76	
14-15	1.97	1.49	1.15	1.02	1.61	1.15	0.84	0.71	1.93	1.01	1.57	0.71	
15-16	1.68	1.29	0.99	0.90	1.40	1.01	0.74	0.62	1.65	0.87	1.37	0.63	
16-17	1.35	1.04	0.80	0.74	1.14	0.83	0.61	0.52	1.33	0.71	1.12	0.53	
17-18	0.98	0.76	0.59	0.56	0.84	0.63	0.48	0.40	1.01	0.54	0.84	0.36	
18-19	0.61	0.44	0.37	0.36	0.52	0.40	0.29	0.27	0.67	0.34	0.53	0.27	
19-20	0.29	0.20	0.17	0.18	0.24	0.19	0.14	0.12	0.36	0.16	0.23	0.12	
20-21	0.26	0.18	0.07	0.09	0.02	0.01	0.0	0.0	0.09	0.12	0.03	0.0	
21-22	0.01	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	19.69	15.00	11.24	10.13	15.92	11.43	8.22	6.94	19.34	9.95	15.44	6.76	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
FEB. 19	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
HOUR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.77	0.77	0.76	9.99	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0		
1- 2	0.76	0.77	0.75	9.99	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
2- 3	0.76	0.77	0.75	9.99	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
3- 4	0.76	0.77	0.75	9.99	0.13	-0.00	0.12	0.0	0.0	0.0	0.0		
4- 5	0.76	0.77	0.75	9.99	0.05	-0.00	0.05	0.0	0.0	0.0	0.0		
5- 6	0.72	0.76	0.71	9.99	0.04	-0.04	-0.00	0.0	0.0	0.0	0.0		
6- 7	0.73	0.77	0.72	9.99	0.08	-0.04	0.04	0.0	0.0	0.0	0.0		
7- 8	0.75	0.77	0.74	9.99	0.11	-0.02	0.09	0.0	0.0	0.0	0.0		
8- 9	0.71	0.78	0.70	9.99	0.20	-0.07	0.13	0.054	0.065	0.054	0.046		
9-10	0.62	0.78	0.62	9.99	0.29	-0.16	0.13	0.255	0.269	0.214	0.184		
10-11	0.75	0.81	0.74	9.99	0.29	-0.06	0.23	0.009	0.007	0.005	0.003		
11-12	0.64	0.83	0.64	9.99	0.33	-0.19	0.14	0.272	0.296	0.247	0.221		
12-13	0.53	0.82	0.53	9.99	0.44	-0.29	0.15	0.746	0.705	0.575	0.497		
13-14	0.49	0.82	0.50	9.99	0.43	-0.32	0.11	0.799	0.808	0.664	0.573		
14-15	0.63	0.80	0.50	9.99	0.36	-0.17	0.19	0.793	0.812	0.669	0.577		
15-16	0.49	0.79	0.50	9.99	0.28	-0.30	-0.03	0.798	0.803	0.666	0.574		
16-17	0.79	0.78	0.50	9.99	0.21	0.01	0.22	0.736	0.778	0.649	0.561		
17-18	0.49	0.77	0.50	9.99	0.15	-0.27	-0.13	0.791	0.736	0.608	0.539		
18-19	0.50	0.76	0.51	9.99	0.09	-0.25	-0.16	0.613	0.667	0.574	0.502		
19-20	0.51	0.73	0.49	9.99	0.05	-0.23	-0.17	0.478	0.533	0.477	0.426		
20-21	0.51	0.70	0.49	9.99	0.24	-0.20	0.04	0.167	0.206	0.195	0.179		
21-22	0.55	0.70	0.50	9.99	0.01	-0.15	-0.15	0.0	0.0	0.0	0.0		
22-23	0.65	0.71	0.58	9.99	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0		
23-24	0.73	0.74	0.71	9.99	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
TOTAL	15.60	18.48	14.96	99.99	3.77	-2.87	0.90						

SHORTWAVE RADIATION (MJ/M**2)												
FEB. 20	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.07	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
4-5	0.05	0.04	0.02	0.01	0.00	0.0	0.0	0.0	0.04	0.01	0.01	0.0
5-6	0.17*	0.12	0.09	0.08	0.14	0.09	0.05	0.05	0.15	0.07	0.15	0.05
6-7	0.33*	0.23	0.16	0.15	0.31	0.21	0.15	0.13	0.28	0.13	0.32	0.13
7-8	0.53*	0.38	0.27	0.25	0.50	0.34	0.25	0.21	0.46	0.21	0.53	0.21
8-9	0.75*	0.55	0.40	0.36	0.74	0.51	0.28	0.33	0.66	0.43	0.74	0.31
9-10	0.92*	0.66	0.49	0.46	0.90	0.67	0.49	0.41	0.78	0.35	0.91	0.41
10-11	1.32*	1.00	0.73	0.66	1.14	0.84	0.59	0.49	0.93	0.44	1.14	0.48
11-12	1.64	1.22	0.88	0.76	1.41	0.97	0.68	0.57	1.05	0.52	1.36	0.53
12-13	1.61	1.19	0.85	0.74	1.39	0.95	0.67	0.55	1.07	0.59	1.33	0.52
13-14	1.57	1.17	0.84	0.73	1.34	0.92	0.65	0.54	1.12	0.64	1.27	0.50
14-15	1.47	1.10	0.80	0.70	1.25	0.86	0.61	0.51	1.46	0.70	1.18	0.47
15-16	1.31	1.00	0.74	0.65	1.11	0.78	0.56	0.46	1.30	0.64	1.06	0.44
16-17	0.91	0.69	0.51	0.45	0.77	0.54	0.39	0.32	0.90	0.45	0.74	0.30
17-18	0.70	0.54	0.41	0.35	0.59	0.41	0.30	0.25	0.70	0.35	0.57	0.24
18-19	0.36	0.28	0.21	0.18	0.31	0.22	0.15	0.13	0.37	0.18	0.30	0.12
19-20	0.15	0.12	0.09	0.07	0.08	0.05	0.02	0.01	0.15	0.07	0.08	0.01
20-21	0.13	0.13	0.02	0.01	0.0	0.0	0.0	0.0	0.04	0.01	0.0	0.0
21-22	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	13.97	10.56	7.52	6.61	11.98	8.36	5.83	4.96	11.47	5.80	11.70	4.70

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
FEB. 20	(SURFACE)		(30M)		(SURFACE)			(30M)				
HR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.73	0.74	0.71	9.99	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	
1-2	0.74	0.74	0.73	9.99	0.0	0.00	0.00	0.0	0.0	0.0	0.0	
2-3	0.74	0.74	0.74	9.99	0.0	0.00	0.00	0.0	0.0	0.0	0.0	
3-4	0.75	0.75	0.75	9.99	0.07	-0.00	0.07	0.0	0.0	0.0	0.0	
4-5	0.75	0.75	0.76	9.99	0.04	-0.00	0.04	0.0	0.0	0.0	0.0	
5-6	0.76	0.76	0.76	9.99	0.03	-0.01	0.02	0.0	0.0	0.0	0.0	
6-7	0.77	0.78	0.78	9.99	0.02	-0.01	0.01	0.0	0.0	0.0	0.0	
7-8	0.80	0.82	0.80	9.99	0.03	-0.02	0.00	0.0	0.0	0.0	0.0	
8-9	0.82	0.82	0.82	9.99	0.01	-0.00	0.01	0.0	0.0	0.0	0.0	
9-10	0.80	0.83	0.84	9.99	0.03	-0.03	-0.00	0.0	0.0	0.0	0.0	
10-11	0.79	0.85	0.86	9.99	0.17	-0.07	0.11	0.0	0.0	0.0	0.0	
11-12	0.79	0.84	0.83	9.99	0.23	-0.05	0.18	0.000	0.0	0.0	0.0	
12-13	0.79	0.85	0.81	9.99	0.22	-0.06	0.16	0.0	0.0	0.0	0.0	
13-14	0.79	0.85	0.81	9.99	0.23	-0.07	0.16	0.000	0.0	0.0	0.0	
14-15	0.78	0.86	0.76	9.99	0.22	-0.07	0.15	0.002	0.001	0.001	0.000	
15-16	0.74	0.84	0.72	9.99	0.20	-0.10	0.10	0.022	0.020	0.015	0.012	
16-17	0.74	0.83	0.73	9.99	0.13	-0.09	0.04	0.005	0.005	0.004	0.003	
17-18	0.72	0.82	0.71	9.99	0.11	-0.10	0.01	0.002	0.002	0.001	0.001	
18-19	0.75	0.81	0.73	9.99	0.06	-0.06	-0.00	0.000	0.000	0.0	0.0	
19-20	0.74	0.80	0.73	9.99	0.06	-0.05	0.01	0.0	0.0	0.0	0.0	
20-21	0.73	0.79	0.72	9.99	0.13	-0.06	0.06	0.0	0.0	0.0	0.0	
21-22	0.75	0.80	0.75	9.99	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
22-23	0.77	0.80	0.76	9.99	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	
23-24	0.78	0.80	0.77	9.99	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	
TOTAL	18.30	19.28	18.37	99.99	1.99	-0.97	1.01					

SHORTWAVE RADIATION (MJ/M**2)													
FEB. 21													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.09	0.07	0.03	0.0	0.0	0.0	0.0	0.0	0.02	0.01	0.0	0.0	
4-5	0.08	0.06	0.05	0.04	0.04	0.02	0.00	0.0	0.08	0.05	0.04	0.0	
5-6	0.21	0.15	0.12	0.10	0.19	0.13	0.09	0.07	0.20	0.10	0.17	0.07	
6-7	0.39	0.28	0.21	0.18	0.37	0.26	0.19	0.16	0.36	0.17	0.35	0.14	
7-8	0.61	0.43	0.32	0.28	0.57	0.40	0.28	0.23	0.56	0.25	0.52	0.22	
8-9	0.86	0.60	0.45	0.40	0.79	0.56	0.40	0.33	0.80	0.36	0.73	0.30	
9-10	1.07	0.74	0.55	0.48	0.97	0.67	0.47	0.38	0.99	0.44	0.89	0.36	
10-11	1.31	0.93	0.72	0.63	1.15	0.81	0.58	0.48	1.24	0.58	1.09	0.46	
11-12	1.59	1.18	0.87	0.75	1.36	0.94	0.68	0.57	1.47	0.70	1.25	0.52	
12-13	1.61	1.19	0.86	0.75	1.40	0.96	0.67	0.55	1.48	0.73	1.31	0.51	
13-14	1.45	1.05	0.74	0.63	1.28	0.86	0.59	0.48	1.32	0.63	1.20	0.44	
14-15	1.22	0.87	0.60	0.51	1.09	0.73	0.49	0.40	1.12	0.51	1.02	0.36	
15-16	1.07	0.77	0.54	0.46	0.95	0.64	0.44	0.36	0.99	0.47	0.89	0.33	
16-17	0.83	0.61	0.43	0.37	0.72	0.49	0.34	0.28	0.77	0.38	0.68	0.26	
17-18	0.52	0.37	0.26	0.22	0.46	0.31	0.21	0.19	0.47	0.22	0.43	0.16	
18-19	0.29	0.22	0.15	0.13	0.26	0.18	0.12	0.10	0.27	0.13	0.25	0.09	
19-20	0.17	0.08	0.05	0.05	0.05	0.02	0.00	0.0	0.10	0.05	0.05	0.0	
20-21	0.06	0.15	0.01	0.00	0.0	0.0	0.0	0.0	0.02	0.01	0.0	0.0	
21-22	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	13.38	9.80	6.96	5.99	11.63	7.97	5.55	4.58	12.25	5.78	10.88	4.23	

LONGWAVE RADIATION (MJ/M**2)													
FEB. 21													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.74	0.78	0.73	9.99	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
1-2	0.64	0.75	0.64	9.99	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
2-3	0.68	0.76	0.67	9.99	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0		
3-4	0.64	0.74	0.64	9.99	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
4-5	0.68	0.73	0.70	9.99	0.04	-0.06	-0.01	0.0	0.0	0.0	0.0		
5-6	0.69	0.74	0.71	9.99	0.02	-0.05	-0.02	0.0	0.0	0.0	0.0		
6-7	0.74	0.75	0.74	9.99	0.02	-0.02	0.00	0.0	0.0	0.0	0.0		
7-8	0.75	0.77	0.75	9.99	0.04	-0.02	0.02	0.0	0.0	0.0	0.0		
8-9	0.75	0.78	0.75	9.99	0.07	-0.03	0.04	0.0	0.0	0.0	0.0		
9-10	0.76	0.79	0.76	9.99	0.10	-0.03	0.06	0.0	0.0	0.0	0.0		
10-11	0.75	0.81	0.75	9.99	0.16	-0.06	0.10	0.002	0.001	0.001	0.001		
11-12	0.96	1.06	0.97	9.99	0.23	-0.11	0.12	0.008	0.006	0.001	0.0		
12-13	0.77	0.84	0.77	9.99	0.21	-0.07	0.14	0.001	0.000	0.000	0.0		
13-14	0.81	0.85	0.80	9.99	0.17	-0.04	0.14	0.0	0.0	0.0	0.0		
14-15	0.80	0.85	0.80	9.99	0.14	-0.04	0.09	0.0	0.0	0.0	0.0		
15-16	0.81	0.85	0.81	9.99	0.12	-0.04	0.08	0.0	0.0	0.0	0.0		
16-17	0.82	0.85	0.81	9.99	0.10	-0.03	0.07	0.0	0.0	0.0	0.0		
17-18	0.81	0.82	0.79	9.99	0.06	-0.01	0.05	0.0	0.0	0.0	0.0		
18-19	0.79	0.83	0.77	9.99	0.04	-0.04	-0.01	0.0	0.0	0.0	0.0		
19-20	0.77	0.80	0.76	9.99	0.06	-0.03	0.03	0.0	0.0	0.0	0.0		
20-21	0.78	0.81	0.77	9.99	0.06	-0.03	0.03	0.0	0.0	0.0	0.0		
21-22	0.70	0.75	0.69	9.99	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
22-23	0.72	0.78	0.71	9.99	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
23-24	0.70	0.77	0.70	9.99	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0		
TOTAL	18.03	19.25	17.99	99.99	1.75	-1.22	0.53						

SHORTWAVE RADIATION (MJ/M**2)													
FEB. 22													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.04	0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	
4- 5	0.23	0.22	0.16	0.15	0.09	0.06	0.03	0.02	0.22	0.11	0.06	0.02	
5- 6	0.51#	0.43	0.34	0.30	0.32	0.24	0.18	0.15	0.53	0.23	0.30	0.15	
6- 7	0.87#	0.68	0.50	0.44	0.60	0.46	0.34	0.30	0.86	0.40	0.58	0.28	
7- 8	1.25#	0.93	0.70	0.62	0.91	0.69	0.51	0.43	1.16	0.60	0.86	0.41	
8- 9	1.59#	1.16	0.89	0.78	1.20	0.90	0.66	0.55	1.49	0.78	1.14	0.52	
9-10	1.88#	1.35	1.03	0.92	1.43	1.05	0.77	0.64	1.77	0.92	1.37	0.62	
10-11	2.04#	1.50	1.17	1.05	1.64	1.19	0.87	0.72	1.98	1.04	1.56	0.71	
11-12	2.11	1.59	1.23	1.10	1.73	1.25	0.91	0.75	2.07	1.08	1.66	0.75	
12-13	2.16	1.63	1.27	1.14	1.77	1.28	0.93	0.77	2.13	1.12	1.71	0.78	
13-14	2.04	1.53	1.20	1.07	1.68	1.22	0.89	0.74	2.01	1.06	1.63	0.75	
14-15	1.82	1.38	1.07	0.96	1.52	1.09	0.80	0.67	1.78	0.94	1.48	0.68	
15-16	1.62	1.25	0.96	0.87	1.36	0.99	0.73	0.61	1.59	0.84	1.34	0.63	
16-17	1.26	0.97	0.75	0.70	1.06	0.78	0.58	0.48	1.24	0.66	1.06	0.51	
17-18	0.87	0.67	0.53	0.51	0.75	0.56	0.42	0.35	0.88	0.48	0.77	0.38	
18-19	0.55	0.40	0.34	0.33	0.47	0.37	0.27	0.24	0.55	0.30	0.49	0.26	
19-20	0.23	0.17	0.15	0.15	0.19	0.14	0.10	0.07	0.24	0.13	0.17	0.08	
20-21	0.11	0.12	0.04	0.05	0.0	0.0	0.0	0.0	0.04	0.03	0.0	0.0	
21-22	0.0	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	
22-23	0.0	0.00	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.02	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	21.20	16.16	12.33	11.15	16.71	12.28	8.99	7.51	20.56	10.72	16.18	7.51	

LONGWAVE RADIATION (MJ/M**2)													
FEB. 22													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.66	0.74	0.66	9.99	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0		
1- 2	0.54	0.72	0.53	9.99	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
2- 3	0.49	0.68	0.49	9.99	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
3- 4	0.49	0.66	0.48	9.99	0.04	-0.17	-0.13	0.0	0.0	0.0	0.0		
4- 5	0.49	0.66	0.47	9.99	0.14	-0.17	-0.03	0.225	0.273	0.258	0.240		
5- 6	0.48	0.67	0.47	9.99	0.19	-0.19	-0.00	0.401	0.510	0.450	0.402		
6- 7	0.47	0.67	0.47	9.99	0.27	-0.21	0.07	0.519	0.582	0.495	0.435		
7- 8	0.47	0.68	0.46	9.99	0.33	-0.22	0.12	0.593	0.607	0.507	0.443		
8- 9	0.47	0.70	0.46	9.99	0.39	-0.23	0.16	0.626	0.635	0.525	0.458		
9-10	0.46	0.72	0.47	9.99	0.44	-0.25	0.19	0.738	0.729	0.605	0.522		
10-11	0.47	0.73	0.48	9.99	0.40	-0.27	0.14	0.812	0.778	0.643	0.552		
11-12	0.48	0.74	0.49	9.99	0.39	-0.27	0.12	0.765	0.756	0.624	0.537		
12-13	0.48	0.76	0.50	9.99	0.40	-0.28	0.11	0.612	0.807	0.667	0.575		
13-14	0.48	0.77	0.50	9.99	0.36	-0.29	0.07	0.656	0.777	0.641	0.551		
14-15	0.50	0.77	0.52	9.99	0.30	-0.27	0.03	0.573	0.683	0.566	0.487		
15-16	0.48	0.75	0.50	9.99	0.26	-0.27	-0.00	0.744	0.792	0.657	0.567		
16-17	0.48	0.74	0.48	9.99	0.21	-0.26	-0.05	0.615	0.761	0.636	0.550		
17-18	0.49	0.73	0.49	9.99	0.12	-0.24	-0.12	0.560	0.673	0.569	0.493		
18-19	0.52	0.72	0.51	9.99	0.08	-0.21	-0.13	0.491	0.593	0.513	0.449		
19-20	0.52	0.71	0.52	9.99	0.04	-0.19	-0.14	0.302	0.391	0.351	0.313		
20-21	0.58	0.70	0.58	9.99	0.11	-0.12	-0.01	0.058	0.080	0.077	0.072		
21-22	0.60	0.71	0.59	9.99	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
22-23	0.52	0.68	0.51	9.99	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
23-24	0.53	0.69	0.52	9.99	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
TOTAL	12.13	17.12	12.15	99.99	4.50	-4.99	-0.49						

SHORTWAVE RADIATION (MJ/M**2)												
FEB. 23												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.04	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0
1-2	0.0	0.03	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0
2-3	0.0	0.05	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0
3-4	0.04	0.10	0.00	0.04	0.0	0.0	0.0	0.0	0.01	0.05	0.0	0.0
4-5	0.13	0.12	0.09	0.08	0.07	0.05	0.03	0.02	0.12	0.09	0.07	0.01
5-6	0.19	0.15	0.11	0.10	0.14	0.10	0.06	0.05	0.18	0.10	0.14	0.04
6-7	0.57	0.45	0.36	0.32	0.48	0.36	0.26	0.22	0.56	0.31	0.46	0.22
7-8	1.08	0.85	0.67	0.59	0.89	0.68	0.49	0.41	1.08	0.58	0.84	0.39
8-9	1.00	0.75	0.56	0.49	0.85	0.60	0.42	0.35	1.01	0.50	0.80	0.33
9-10	1.36	1.04	0.79	0.70	1.15	0.82	0.59	0.49	1.38	0.69	1.09	0.47
10-11	1.74	1.32	1.01	0.90	1.44	1.05	0.76	0.63	1.76	0.89	1.37	0.62
11-12	2.31	1.74	1.33	1.18	1.88	1.36	0.98	0.81	2.27	1.17	1.81	0.80
12-13	2.16	1.61	1.25	1.12	1.75	1.26	0.91	0.76	2.11	1.10	1.69	0.76
13-14	1.79	1.33	1.03	0.91	1.47	1.05	0.75	0.63	1.76	0.91	1.43	0.64
14-15	1.71	1.29	0.98	0.88	1.43	1.02	0.73	0.61	1.68	0.86	1.38	0.61
15-16	1.57	1.20	0.92	0.83	1.31	0.95	0.69	0.58	1.54	0.81	1.29	0.59
16-17	1.13	0.86	0.66	0.60	0.95	0.69	0.51	0.42	1.13	0.59	0.95	0.44
17-18	0.93	0.71	0.56	0.52	0.77	0.58	0.43	0.36	0.93	0.49	0.77	0.37
18-19	0.46	0.34	0.28	0.26	0.39	0.29	0.22	0.19	0.46	0.25	0.40	0.19
19-20	0.13	0.11	0.08	0.07	0.08	0.05	0.02	0.01	0.13	0.07	0.08	0.01
20-21	0.01	0.03	0.00	0.02	0.0	0.0	0.0	0.0	0.01	0.01	0.0	0.0
21-22	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0
22-23	0.0	0.01	0.00	0.03	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0
23-24	0.0	0.02	0.00	0.03	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0
TOTAL	18.31	14.17	10.70	9.73	15.04	10.91	7.84	6.56	18.13	9.61	14.57	6.50

LONGWAVE RADIATION (MJ/M**2)												
FEB. 23												
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.52	0.68	0.50	9.99	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
1-2	0.58	0.69	0.58	9.99	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
2-3	0.58	0.69	0.57	9.99	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
3-4	0.53	0.68	0.52	9.99	0.04	-0.14	-0.10	0.0	0.0	0.0	0.0	
4-5	0.57	0.68	0.57	9.99	0.06	-0.11	-0.04	0.046	0.059	0.055	0.050	
5-6	0.61	0.69	0.60	9.99	0.04	-0.09	-0.04	0.027	0.036	0.031	0.027	
6-7	0.54	0.70	0.52	9.99	0.09	-0.16	-0.07	0.331	0.339	0.290	0.254	
7-8	0.55	0.71	0.54	9.99	0.19	-0.17	0.02	0.470	0.504	0.420	0.363	
8-9	0.62	0.73	0.61	9.99	0.15	-0.11	0.04	0.083	0.099	0.082	0.070	
9-10	0.56	0.74	0.56	9.99	0.22	-0.18	0.03	0.277	0.294	0.242	0.209	
10-11	0.58	0.75	0.58	9.99	0.31	-0.17	0.14	0.347	0.330	0.269	0.231	
11-12	0.58	0.78	0.57	9.99	0.42	-0.20	0.22	0.765	0.621	0.509	0.437	
12-13	0.51	0.77	0.50	9.99	0.41	-0.27	0.14	0.924	0.749	0.614	0.527	
13-14	0.51	0.77	0.51	9.99	0.32	-0.27	0.05	0.704	0.569	0.466	0.400	
14-15	0.57	0.78	0.57	9.99	0.29	-0.21	0.08	0.578	0.471	0.386	0.331	
15-16	0.52	0.77	0.52	9.99	0.26	-0.25	0.01	0.813	0.670	0.553	0.477	
16-17	0.51	0.75	0.51	9.99	0.18	-0.24	-0.06	0.692	0.578	0.478	0.410	
17-18	0.55	0.76	0.54	9.99	0.15	-0.21	-0.06	0.643	0.551	0.462	0.400	
18-19	0.55	0.74	0.54	9.99	0.07	-0.19	-0.12	0.355	0.314	0.269	0.234	
19-20	0.55	0.72	0.53	9.99	0.05	-0.17	-0.12	0.053	0.050	0.044	0.039	
20-21	0.52	0.70	0.50	9.99	0.01	-0.19	-0.17	0.001	0.001	0.001	0.001	
21-22	0.50	0.69	0.49	9.99	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	
22-23	0.49	0.68	0.48	9.99	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	
23-24	0.49	0.67	0.48	9.99	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
TOTAL	13.07	17.34	12.90	99.99	3.27	-4.27	-1.00					

SHORTWAVE RADIATION (MJ/M**2)												
FEB. 24	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HOUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.0	0.03	0.00	0.02	0.0	0.0	0.0	0.0	0.00	0.04	0.0	0.0
1- 2	0.0	0.01	0.00	0.0	0.0	0.0	0.0	0.0	0.00	0.02	0.0	0.0
2- 3	0.0	0.05	0.00	0.06	0.0	0.0	0.0	0.0	0.00	0.03	0.0	0.0
3- 4	0.01	0.06	0.01	0.02	0.0	0.0	0.0	0.0	0.01	0.04	0.0	0.0
4- 5	0.09	0.08	0.07	0.06	0.04	0.02	0.0	0.0	0.07	0.06	0.03	0.0
5- 6	0.32	0.28	0.25	0.22	0.26	0.20	0.14	0.12	0.28	0.18	0.25	0.12
6- 7	0.67	0.53	0.45	0.39	0.55	0.42	0.31	0.27	0.65	0.37	0.53	0.26
7- 8	1.05	0.82	0.66	0.58	0.86	0.65	0.47	0.40	1.05	0.57	0.81	0.38
8- 9	1.38	1.07	0.84	0.75	1.13	0.84	0.61	0.51	1.41	0.74	1.07	0.49
9-10	1.66	1.28	1.00	0.89	1.36	1.00	0.72	0.60	1.72	0.88	1.30	0.59
10-11	1.95	1.48	1.15	1.03	1.58	1.15	0.83	0.69	1.94	1.01	1.52	0.69
11-12	2.02	1.52	1.18	1.05	1.63	1.18	0.85	0.71	1.98	1.04	1.57	0.70
12-13	2.00	1.50	1.16	1.04	1.62	1.17	0.84	0.70	1.96	1.02	1.57	0.70
13-14	1.92	1.45	1.11	1.00	1.58	1.13	0.81	0.68	1.89	0.98	1.53	0.68
14-15	1.60	1.20	0.92	0.83	1.32	0.95	0.68	0.57	1.57	0.81	1.29	0.58
15-16	1.47	1.13	0.86	0.78	1.22	0.88	0.64	0.54	1.44	0.75	1.19	0.53
16-17	1.17	0.90	0.69	0.64	0.97	0.71	0.52	0.44	1.15	0.61	0.96	0.45
17-18	0.85	0.65	0.52	0.49	0.72	0.54	0.40	0.34	0.85	0.46	0.73	0.36
18-19	0.41	0.30	0.25	0.25	0.35	0.27	0.20	0.18	0.41	0.22	0.37	0.19
19-20	0.15	0.11	0.09	0.10	0.11	0.08	0.06	0.04	0.16	0.07	0.10	0.04
20-21	0.01	0.01	0.00	0.00	0.0	0.0	0.0	0.0	0.01	0.00	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	18.70	14.45	11.22	10.20	15.32	11.20	8.08	6.78	18.54	9.91	14.82	6.75

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
FEB. 24	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
HOUR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0- 1	0.49	0.67	0.48	9.99	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
1- 2	0.48	0.66	0.48	9.99	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
2- 3	0.48	0.66	0.48	9.99	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
3- 4	0.48	0.65	0.48	9.99	0.01	-0.17	-0.16	0.0	0.0	0.0	0.0	
4- 5	0.51	0.66	0.50	9.99	0.04	-0.16	-0.11	0.162	0.227	0.204	0.190	
5- 6	0.49	0.66	0.48	9.99	0.06	-0.17	-0.11	0.481	0.678	0.574	0.505	
6- 7	0.48	0.68	0.47	9.99	0.12	-0.20	-0.08	0.586	0.860	0.689	0.585	
7- 8	0.49	0.69	0.48	9.99	0.19	-0.20	-0.00	0.670	0.961	0.745	0.622	
8- 9	0.48	0.70	0.48	9.99	0.25	-0.23	0.02	0.649	0.971	0.736	0.609	
9-10	0.48	0.72	0.49	9.99	0.29	-0.24	0.05	0.629	0.975	0.733	0.601	
10-11	0.48	0.74	0.48	9.99	0.37	-0.26	0.11	0.848	1.077	0.802	0.657	
11-12	0.49	0.76	0.49	9.99	0.39	-0.27	0.12	0.656	0.968	0.718	0.586	
12-13	0.49	0.77	0.50	9.99	0.38	-0.28	0.09	0.631	0.909	0.672	0.548	
13-14	0.52	0.77	0.53	9.99	0.35	-0.25	0.10	0.516	0.766	0.567	0.463	
14-15	0.52	0.77	0.52	9.99	0.27	-0.25	0.02	0.474	0.648	0.479	0.389	
15-16	0.56	0.77	0.56	9.99	0.24	-0.22	0.02	0.336	0.436	0.318	0.256	
16-17	0.53	0.76	0.53	9.99	0.19	-0.23	-0.03	0.490	0.608	0.464	0.383	
17-18	0.50	0.75	0.51	9.99	0.12	-0.24	-0.12	0.632	0.784	0.615	0.515	
18-19	0.49	0.73	0.48	9.99	0.05	-0.24	-0.18	0.434	0.564	0.462	0.397	
19-20	0.50	0.71	0.49	9.99	0.04	-0.22	-0.18	0.241	0.312	0.270	0.243	
20-21	0.50	0.69	0.49	9.99	0.01	-0.19	-0.19	0.005	0.007	0.006	0.006	
21-22	0.52	0.68	0.51	9.99	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
22-23	0.51	0.68	0.49	9.99	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
23-24	0.49	0.67	0.48	9.99	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
TOTAL	11.96	17.02	11.90	99.99	3.37	-5.06	-1.69					



SHORTWAVE RADIATION (MJ/M**2)												
FEB. 25												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.17	0.18	0.07	0.09	0.02	0.00	0.0	0.0	0.07	0.08	0.01	0.0
5-6	0.27	0.23	0.20	0.18	0.21	0.16	0.11	0.10	0.24	0.15	0.20	0.09
6-7	0.64	0.50	0.41	0.36	0.51	0.39	0.29	0.25	0.62	0.35	0.49	0.24
7-8	0.98	0.76	0.61	0.54	0.80	0.61	0.44	0.38	0.99	0.53	0.76	0.35
8-9	1.33	1.03	0.81	0.71	1.09	0.81	0.59	0.49	1.35	0.71	1.03	0.47
9-10	1.66	1.29	1.00	0.89	1.37	1.01	0.72	0.61	1.72	0.89	1.30	0.59
10-11	1.91	1.45	1.12	1.00	1.55	1.13	0.81	0.68	1.89	0.99	1.48	0.67
11-12	2.07	1.55	1.21	1.08	1.66	1.20	0.87	0.73	2.02	1.06	1.60	0.72
12-13	2.10	1.57	1.23	1.10	1.69	1.21	0.88	0.74	2.06	1.08	1.64	0.74
13-14	2.02	1.51	1.17	1.05	1.63	1.16	0.85	0.71	1.97	1.04	1.58	0.71
14-15	1.82	1.37	1.06	0.95	1.48	1.06	0.78	0.65	1.77	0.93	1.45	0.66
15-16	1.45	1.10	0.84	0.77	1.20	0.86	0.63	0.53	1.41	0.74	1.18	0.54
16-17	1.06	0.80	0.62	0.57	0.89	0.64	0.47	0.40	1.04	0.54	0.87	0.40
17-18	0.52	0.39	0.29	0.26	0.44	0.31	0.22	0.19	0.51	0.26	0.43	0.18
18-19	0.30	0.23	0.17	0.15	0.25	0.18	0.13	0.11	0.30	0.15	0.25	0.10
19-20	0.11	0.09	0.06	0.06	0.05	0.03	0.01	0.00	0.11	0.06	0.05	0.00
20-21	0.08	0.08	0.02	0.02	0.0	0.0	0.0	0.0	0.02	0.03	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	18.48	14.15	10.91	9.79	14.83	10.76	7.79	6.56	18.06	9.58	14.33	6.45

LONGWAVE RADIATION (MJ/M**2)												
FEB. 25												
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.48	0.66	0.47	9.99	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
1-2	0.49	0.65	0.48	9.99	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
2-3	0.49	0.64	0.48	9.99	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
3-4	0.49	0.64	0.48	9.99	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
4-5	0.47	0.64	0.47	9.99	0.16	-0.16	-0.01	0.137	0.135	0.127	0.116	
5-6	0.48	0.64	0.47	9.99	0.06	-0.16	-0.10	0.478	0.445	0.396	0.353	
6-7	0.50	0.66	0.49	9.99	0.13	-0.15	-0.03	0.579	0.513	0.438	0.382	
7-8	0.48	0.67	0.47	9.99	0.18	-0.18	0.00	0.744	0.635	0.534	0.463	
8-9	0.48	0.69	0.47	9.99	0.24	-0.21	0.03	0.839	0.701	0.583	0.504	
9-10	0.47	0.71	0.47	9.99	0.30	-0.24	0.05	0.934	0.770	0.636	0.548	
10-11	0.48	0.72	0.48	9.99	0.36	-0.25	0.12	0.919	0.752	0.620	0.534	
11-12	0.47	0.74	0.47	9.99	0.41	-0.27	0.14	0.987	0.804	0.663	0.570	
12-13	0.47	0.75	0.48	9.99	0.41	-0.29	0.13	1.014	0.826	0.679	0.582	
13-14	0.47	0.76	0.48	9.99	0.39	-0.29	0.10	1.007	0.821	0.677	0.581	
14-15	0.46	0.75	0.48	9.99	0.34	-0.29	0.05	0.988	0.810	0.668	0.575	
15-16	0.49	0.75	0.50	9.99	0.24	-0.26	-0.02	0.830	0.685	0.564	0.485	
16-17	0.56	0.75	0.56	9.99	0.17	-0.19	-0.03	0.510	0.421	0.349	0.304	
17-18	0.61	0.74	0.61	9.99	0.07	-0.13	-0.05	0.137	0.117	0.097	0.083	
18-19	0.70	0.75	0.69	9.99	0.05	-0.05	-0.00	0.004	0.004	0.003	0.003	
19-20	0.61	0.73	0.61	9.99	0.06	-0.11	-0.06	0.000	0.000	0.000	0.0	
20-21	0.65	0.72	0.65	9.99	0.08	-0.07	0.02	0.0	0.0	0.0	0.0	
21-22	0.65	0.71	0.64	9.99	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	
22-23	0.61	0.71	0.62	9.99	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
23-24	0.66	0.71	0.67	9.99	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
TOTAL	12.70	16.87	12.70	99.99	3.65	-4.17	-0.52					

SHORTWAVE RADIATION (MJ/M**2)													
FEB. 26													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.09	0.13	0.03	0.02	0.0	0.0	0.0	0.0	0.04	0.02	0.00	0.0	0.0
5-6	0.27	0.22	0.18	0.16	0.18	0.14	0.10	0.08	0.26	0.16	0.17	0.07	0.07
6-7	0.38	0.29	0.22	0.19	0.33	0.24	0.17	0.15	0.38	0.19	0.31	0.13	0.13
7-8	0.68	0.51	0.40	0.35	0.61	0.44	0.32	0.27	0.72	0.37	0.55	0.24	0.24
8-9	1.09	0.85	0.72	0.62	0.99	0.72	0.53	0.45	1.17	0.66	0.89	0.41	0.41
9-10	1.37	1.09	0.86	0.76	1.23	0.90	0.66	0.56	1.49	0.83	1.16	0.54	0.54
10-11	1.60	1.23	0.94	0.83	1.38	0.99	0.72	0.61	1.53	0.85	1.28	0.59	0.59
11-12	1.62	1.24	0.91	0.81	1.38	0.98	0.72	0.60	1.48	0.79	1.30	0.57	0.57
12-13	1.71	1.29	0.99	0.88	1.45	1.03	0.76	0.64	1.53	0.86	1.40	0.62	0.62
13-14	1.75	1.32	1.02	0.92	1.51	1.06	0.80	0.68	1.62	0.92	1.49	0.68	0.68
14-15	1.35	1.01	0.77	0.68	1.17	0.82	0.60	0.50	1.31	0.67	1.13	0.49	0.49
15-16	1.04	0.85	0.69	0.65	0.91	0.63	0.46	0.39	1.04	0.51	0.87	0.37	0.37
16-17	0.75	0.57	0.42	0.36	0.66	0.45	0.36	0.26	0.58	0.33	0.51	0.27	0.27
17-18	0.41	0.35	0.26	0.23	0.38	0.28	0.20	0.18	0.43	0.18	0.39	0.16	0.16
18-19	0.31	0.24	0.19	0.17	0.26	0.18	0.13	0.11	0.31	0.11	0.25	0.10	0.10
19-20	0.12	0.10	0.07	0.07	0.07	0.04	0.02	0.02	0.13	0.02	0.07	0.01	0.01
20-21	0.09	0.10	0.02	0.04	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	14.65	11.40	8.68	7.73	12.50	8.91	6.56	5.50	14.05	7.49	11.78	5.23	5.23

LONGWAVE RADIATION (MJ/M**2)													
FEB. 26													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.75	0.74	0.75	9.99	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.64	0.71	0.67	9.99	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.58	0.68	0.64	9.99	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.62	0.68	0.67	9.99	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.69	0.70	0.71	9.99	0.09	-0.01	0.08	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.62	0.70	0.66	9.99	0.09	-0.08	0.01	0.113	0.062	0.049	0.053	0.053	0.053
6-7	0.69	0.72	0.71	9.99	0.05	-0.03	0.02	0.014	0.007	0.006	0.005	0.005	0.005
7-8	0.66	0.74	0.69	9.99	0.07	-0.08	-0.01	0.158	0.089	0.084	0.090	0.090	0.090
8-9	0.57	0.72	0.62	9.99	0.10	-0.15	-0.05	0.330	0.258	0.237	0.197	0.197	0.197
9-10	0.58	0.74	0.60	9.99	0.14	-0.16	-0.01	0.288	0.240	0.194	0.158	0.158	0.158
10-11	0.67	0.77	0.67	9.99	0.23	-0.10	0.12	0.145	0.112	0.090	0.075	0.075	0.075
11-12	0.74	0.80	0.74	9.99	0.23	-0.06	0.18	0.023	0.018	0.012	0.010	0.010	0.010
12-13	0.62	0.78	0.61	9.99	0.26	-0.16	0.10	0.291	0.234	0.191	0.163	0.163	0.163
13-14	0.55	0.77	0.55	9.99	0.25	-0.22	0.03	0.604	0.494	0.408	0.341	0.341	0.341
14-15	0.66	0.76	0.65	9.99	0.18	-0.10	0.08	0.167	0.135	0.113	0.096	0.096	0.096
15-16	0.67	0.77	0.66	9.99	0.14	-0.10	0.03	0.089	0.072	0.060	0.051	0.051	0.051
16-17	0.68	0.76	0.84	9.99	0.09	-0.08	0.01	0.036	0.029	0.024	0.020	0.020	0.020
17-18	0.76	1.22	0.60	9.99	0.03	-0.46	-0.43	0.025	0.0	0.0	0.0	0.0	0.0
18-19	0.60	0.71	0.59	9.99	0.06	-0.11	-0.06	0.038	0.034	0.030	0.026	0.026	0.026
19-20	0.54	0.69	0.53	9.99	0.05	-0.15	-0.10	0.043	0.043	0.040	0.037	0.037	0.037
20-21	0.45	0.65	0.45	9.99	0.09	-0.20	-0.11	0.019	0.019	0.018	0.017	0.017	0.017
21-22	0.45	0.64	0.44	9.99	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.43	0.63	0.42	9.99	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.42	0.62	0.41	9.99	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	14.65	17.72	14.88	99.99	2.16	-3.06	-0.91						

SHORTWAVE RADIATION (MJ/M**2)													
FEB. 27													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.00	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
3-4	0.0	0.08	0.0	0.01	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
4-5	0.09	0.09	0.03	0.04	0.0	0.0	0.0	0.0	0.05	0.0	0.0	0.0	
5-6	0.26	0.22	0.17	0.16	0.13	0.09	0.06	0.04	0.26	0.09	0.17	0.07	
6-7	0.62*	0.49	0.40	0.35	0.43	0.34	0.25	0.23	0.65	0.29	0.47	0.24	
7-8	1.02*	0.78	0.62	0.55	0.76	0.59	0.43	0.38	1.07	0.50	0.76	0.36	
8-9	1.41*	1.06	0.82	0.73	1.06	0.84	0.59	0.54	1.47	0.69	1.03	0.49	
9-10	1.72*	1.28	0.99	0.88	1.40	1.10	0.77	0.69	1.84	0.84	1.27	0.60	
10-11	1.86*	1.42	1.11	1.00	1.64	1.25	0.89	0.78	2.01	0.95	1.47	0.68	
11-12	1.96	1.52	1.19	1.07	1.76	1.32	0.96	0.82	2.13	1.02	1.59	0.73	
12-13	2.04	1.55	1.21	1.08	1.79	1.33	0.97	0.82	2.15	1.04	1.62	0.75	
13-14	1.96	1.48	1.16	1.03	1.70	1.26	0.92	0.77	2.05	0.99	1.57	0.73	
14-15	1.77	1.34	1.05	0.94	1.52	1.12	0.82	0.69	1.81	0.89	1.44	0.68	
15-16	1.49	1.15	0.89	0.80	1.26	0.93	0.69	0.57	1.50	0.75	1.23	0.59	
16-17	1.16	0.89	0.70	0.64	0.96	0.71	0.53	0.44	1.16	0.58	0.98	0.48	
17-18	0.80	0.59	0.48	0.46	0.63	0.48	0.36	0.30	0.81	0.39	0.68	0.35	
18-19	0.44	0.30	0.26	0.26	0.31	0.23	0.17	0.15	0.46	0.19	0.36	0.19	
19-20	0.18	0.11	0.09	0.11	0.09	0.05	0.04	0.03	0.16	0.02	0.09	0.03	
20-21	0.08	0.07	0.01	0.02	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.03	0.0	0.02	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
23-24	0.01	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
TOTAL	18.85	14.53	11.18	10.18	15.46	11.65	8.44	7.26	19.61	9.24	14.73	6.96	

LONGWAVE RADIATION (MJ/M**2)      NET RADIATION (MJ/M**2)      DIRECT RADIATION (KW/M**2)													
FEB. 27													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.40	0.61	0.39	9.99	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0		
1-2	0.40	0.60	0.38	9.99	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
2-3	0.40	0.59	0.38	9.99	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
3-4	0.40	0.59	0.39	9.99	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
4-5	0.39	0.58	0.38	9.99	0.09	-0.19	-0.10	0.017	0.016	0.015	0.014		
5-6	0.40	0.58	0.37	9.99	0.12	-0.18	-0.06	0.290	0.265	0.243	0.216		
6-7	0.41	0.58	0.37	9.99	0.19	-0.17	0.02	0.503	0.437	0.379	0.335		
7-8	0.41	0.60	0.38	9.99	0.26	-0.19	0.07	0.655	0.561	0.478	0.413		
8-9	0.41	0.61	0.38	9.99	0.34	-0.20	0.14	0.769	0.649	0.544	0.470		
9-10	0.41	0.64	0.39	9.99	0.32	-0.23	0.09	0.897	0.742	0.617	0.535		
10-11	0.41	0.66	0.41	9.99	0.22	-0.26	-0.03	0.937	0.769	0.637	0.550		
11-12	0.42	0.68	0.41	9.99	0.20	-0.26	-0.06	0.955	0.781	0.644	0.557		
12-13	0.42	0.69	0.41	9.99	0.25	-0.28	-0.03	0.981	0.801	0.661	0.570		
13-14	0.42	0.70	0.42	9.99	0.26	-0.28	-0.03	0.987	0.808	0.668	0.576		
14-15	0.42	0.70	0.41	9.99	0.25	-0.28	-0.04	0.985	0.810	0.672	0.581		
15-16	0.42	0.70	0.42	9.99	0.23	-0.29	-0.06	0.960	0.798	0.664	0.576		
16-17	0.44	0.70	0.43	9.99	0.20	-0.26	-0.06	0.898	0.760	0.637	0.553		
17-18	0.43	0.68	0.42	9.99	0.16	-0.25	-0.09	0.838	0.728	0.620	0.542		
18-19	0.43	0.67	0.42	9.99	0.13	-0.24	-0.11	0.702	0.640	0.561	0.497		
19-20	0.43	0.66	0.41	9.99	0.09	-0.23	-0.14	0.440	0.427	0.396	0.362		
20-21	0.41	0.63	0.41	9.99	0.08	-0.22	-0.14	0.025	0.024	0.023	0.021		
21-22	0.42	0.62	0.40	9.99	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
22-23	0.42	0.62	0.40	9.99	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
23-24	0.41	0.61	0.41	9.99	0.01	-0.20	-0.19	0.0	0.0	0.0	0.0		
TOTAL	9.91	15.32	9.62	99.99	3.39	-5.41	-2.01						

SHORTWAVE RADIATION (MJ/M**2)													
FEB. 28													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.06	0.00	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.05	0.0	0.03	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
2- 3	0.01	0.05	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.03	0.10	0.01	0.03	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
4- 5	0.09	0.09	0.01	0.05	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	
5- 6	0.20	0.17	0.13	0.13	0.12	0.08	0.05	0.04	0.16	0.07	0.14	0.05	
6- 7	0.57*	0.44	0.36	0.33	0.44	0.33	0.25	0.22	0.52	0.26	0.45	0.23	
7- 8	0.98*	0.73	0.58	0.51	0.76	0.58	0.43	0.36	0.94	0.48	0.74	0.36	
8- 9	1.35*	1.00	0.79	0.71	1.05	0.80	0.58	0.49	1.31	0.67	1.01	0.48	
9-10	1.60*	1.23	0.97	0.86	1.31	0.98	0.71	0.59	1.68	0.83	1.26	0.59	
10-11	1.83	1.41	1.10	0.98	1.50	1.11	0.80	0.67	1.84	0.93	1.45	0.67	
11-12	1.99	1.51	1.18	1.06	1.61	1.18	0.86	0.72	1.97	1.01	1.57	0.73	
12-13	2.03	1.54	1.20	1.06	1.64	1.19	0.86	0.73	2.00	1.02	1.60	0.75	
13-14	1.93	1.44	1.14	1.01	1.56	1.14	0.82	0.68	1.88	0.98	1.53	0.71	
14-15	1.74	1.33	1.03	0.93	1.43	1.11	0.77	0.64	1.70	0.87	1.41	0.67	
15-16	1.43	1.11	0.86	0.98	1.19	0.88	0.64	0.55	1.43	0.73	1.20	0.56	
16-17	1.11	0.86	0.66	0.61	0.92	0.70	0.51	0.44	1.10	0.54	0.94	0.45	
17-18	0.72	0.53	0.43	0.40	0.61	0.46	0.35	0.30	0.73	0.36	0.63	0.32	
18-19	0.40	0.29	0.25	0.25	0.31	0.25	0.13	0.17	0.43	0.23	0.33	0.18	
19-20	0.30	0.22	0.05	0.20	0.08	0.04	0.0	0.01	0.11	0.13	0.07	0.02	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	18.29	14.13	10.77	10.15	14.52	10.82	7.76	6.60	17.83	9.11	14.33	6.75	

LONGWAVE RADIATION (MJ/M**2)													
FEB. 28													
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.43	0.61	0.40	9.99	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
1- 2	0.42	0.61	0.40	9.99	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
2- 3	0.42	0.60	0.41	9.99	0.01	-0.18	-0.18	0.0	0.0	0.0	0.0		
3- 4	0.42	0.60	0.41	9.99	0.03	-0.18	-0.14	0.0	0.0	0.0	0.0		
4- 5	0.43	0.60	0.40	9.99	0.09	-0.17	-0.08	0.004	0.004	0.004	0.003		
5- 6	0.43	0.60	0.40	9.99	0.08	-0.17	-0.08	0.184	0.176	0.157	0.142		
6- 7	0.43	0.61	0.40	9.99	0.13	-0.17	-0.04	0.437	0.385	0.331	0.299		
7- 8	0.42	0.62	0.40	9.99	0.22	-0.19	0.03	0.636	0.540	0.454	0.402		
8- 9	0.42	0.63	0.40	9.99	0.30	-0.21	0.09	0.763	0.636	0.535	0.463		
9-10	0.41	0.65	0.40	9.99	0.29	-0.24	0.06	0.878	0.731	0.608	0.524		
10-11	0.41	0.67	0.40	9.99	0.33	-0.26	0.07	0.942	0.773	0.644	0.555		
11-12	0.41	0.69	0.40	9.99	0.38	-0.28	0.10	0.983	0.805	0.666	0.575		
12-13	0.41	0.71	0.41	9.99	0.39	-0.29	0.10	0.996	0.815	0.675	0.583		
13-14	0.42	0.72	0.42	9.99	0.37	-0.30	0.07	0.991	0.813	0.676	0.580		
14-15	0.42	0.73	0.42	9.99	0.31	-0.31	-0.00	0.990	0.815	0.677	0.584		
15-16	0.43	0.74	0.44	9.99	0.23	-0.31	-0.07	0.960	0.800	0.479	0.577		
16-17	0.44	0.72	0.45	9.99	0.18	-0.28	-0.10	0.875	0.742	0.371	0.541		
17-18	0.44	0.69	0.43	9.99	0.11	-0.26	-0.15	0.820	0.717	0.614	0.536		
18-19	0.43	0.68	0.43	9.99	0.09	-0.25	-0.16	0.679	0.624	0.546	0.486		
19-20	0.43	0.67	0.43	9.99	0.22	-0.24	-0.02	0.385	0.369	0.344	0.317		
20-21	0.45	0.66	0.43	9.99	0.0	-0.21	-0.21	0.003	0.004	0.004	0.0		
21-22	0.44	0.66	0.43	9.99	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0		
22-23	0.44	0.65	0.43	9.99	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0		
23-24	0.44	0.64	0.42	9.99	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
TOTAL	10.25	15.74	9.97	99.99	3.77	-5.49	-1.72						

SHORTWAVE RADIATION (MJ/M**2)													
MAR. 1													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.01	0.05	0.00	0.02	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
1-2	0.0	0.02	0.00	0.04	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
2-3	0.0	0.01	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.01	0.04	0.0	0.04	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
4-5	0.06	0.09	0.01	0.06	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	
5-6	0.28	0.23	0.17	0.18	0.13	0.09	0.06	0.04	0.17	0.07	0.14	0.05	
6-7	0.66*	0.50	0.40	0.36	0.43	0.34	0.25	0.22	0.53	0.27	0.43	0.21	
7-8	1.04*	0.77	0.60	0.55	0.74	0.56	0.41	0.35	0.94	0.46	0.71	0.34	
8-9	1.38*	1.02	0.79	0.71	1.03	0.77	0.56	0.47	1.29	0.65	0.98	0.46	
9-10	1.65	1.23	0.96	0.85	1.28	0.95	0.69	0.57	1.65	0.81	1.23	0.57	
10-11	1.87	1.39	1.08	0.97	1.47	1.08	0.78	0.65	1.82	0.92	1.42	0.65	
11-12	1.99	1.48	1.16	1.03	1.58	1.15	0.83	0.69	1.93	0.98	1.53	0.70	
12-13	1.98	1.49	1.17	1.04	1.60	1.16	0.84	0.70	1.95	0.99	1.56	0.72	
13-14	1.82	1.38	1.07	0.97	1.49	1.08	0.78	0.65	1.79	0.91	1.46	0.67	
14-15	1.62	1.23	0.96	0.86	1.34	0.97	0.70	0.59	1.59	0.80	1.32	0.61	
15-16	1.40	1.08	0.84	0.76	1.17	0.86	0.63	0.53	1.39	0.70	1.17	0.55	
16-17	1.11	0.84	0.66	0.62	0.93	0.69	0.51	0.43	1.11	0.55	0.93	0.46	
17-18	0.59	0.43	0.35	0.33	0.51	0.38	0.28	0.24	0.59	0.28	0.52	0.26	
18-19	0.21	0.14	0.12	0.12	0.17	0.12	0.08	0.07	0.21	0.06	0.18	0.08	
19-20	0.06	0.04	0.03	0.03	0.02	0.0	0.0	0.0	0.06	0.0	0.02	0.0	
20-21	0.02	0.01	0.01	0.03	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	
21-22	0.01	0.00	0.01	0.08	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	
22-23	0.01	0.02	0.01	0.06	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
23-24	0.01	0.04	0.01	0.08	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
TOTAL	17.77	13.52	10.42	9.79	13.87	10.18	7.40	6.22	17.07	8.45	13.60	6.34	

LONGWAVE RADIATION (MJ/M**2)													
MAR. 1													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)		
					SHORTWAVE	LONGWAVE							
0-1	0.44	0.62	0.42	9.99	0.01	-0.19	-0.18	0.0	0.0	0.0	0.0		
1-2	0.43	0.62	0.42	9.99	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
2-3	0.42	0.61	0.42	9.99	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
3-4	0.43	0.61	0.42	9.99	0.01	-0.18	-0.18	0.0	0.0	0.0	0.0		
4-5	0.43	0.60	0.42	9.99	0.06	-0.17	-0.11	0.010	0.010	0.011	0.010		
5-6	0.44	0.61	0.42	9.99	0.15	-0.17	-0.02	0.368	0.348	0.317	0.281		
6-7	0.43	0.62	0.42	9.99	0.23	-0.19	0.04	0.661	0.589	0.511	0.448		
7-8	0.43	0.64	0.43	9.99	0.30	-0.21	0.09	0.824	0.709	0.601	0.523		
8-9	0.43	0.65	0.43	9.99	0.35	-0.22	0.13	0.904	0.759	0.636	0.550		
9-10	0.43	0.68	0.43	9.99	0.37	-0.25	0.12	0.955	0.792	0.661	0.570		
10-11	0.43	0.70	0.44	9.99	0.40	-0.26	0.14	0.988	0.812	0.675	0.581		
11-12	0.44	0.72	0.44	9.99	0.41	-0.28	0.14	0.995	0.814	0.676	0.582		
12-13	0.44	0.73	0.44	9.99	0.39	-0.29	0.10	0.984	0.804	0.667	0.573		
13-14	0.44	0.73	0.45	9.99	0.33	-0.30	0.04	0.912	0.747	0.618	0.531		
14-15	0.44	0.74	0.45	9.99	0.28	-0.29	-0.01	0.895	0.737	0.611	0.527		
15-16	0.45	0.72	0.45	9.99	0.23	-0.28	-0.05	0.918	0.765	0.637	0.551		
16-17	0.45	0.73	0.45	9.99	0.19	-0.28	-0.09	0.880	0.747	0.627	0.543		
17-18	0.46	0.72	0.46	9.99	0.08	-0.25	-0.18	0.581	0.504	0.427	0.372		
18-19	0.47	0.70	0.45	9.99	0.04	-0.23	-0.19	0.260	0.238	0.209	0.185		
19-20	0.46	0.68	0.46	9.99	0.04	-0.22	-0.18	0.074	0.070	0.063	0.057		
20-21	0.46	0.67	0.45	9.99	0.02	-0.21	-0.19	0.0	0.0	0.0	0.0		
21-22	0.48	0.67	0.46	9.99	0.01	-0.19	-0.19	0.0	0.0	0.0	0.0		
22-23	0.47	0.66	0.45	9.99	0.01	-0.19	-0.19	0.0	0.0	0.0	0.0		
23-24	0.46	0.65	0.45	9.99	0.01	-0.19	-0.18	0.0	0.0	0.0	0.0		
TOTAL	10.68	16.10	10.53	99.99	3.90	-5.41	-1.52						

SHORTWAVE RADIATION (MJ/M**2)													
MAR. 2													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.01	0.02	0.00	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	
1-2	0.0	0.04	0.01	0.02	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
2-3	0.01	0.03	0.01	0.07	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	
3-4	0.01	0.05	0.02	0.03	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	
4-5	0.13	0.14	0.06	0.09	0.0	0.0	0.0	0.0	0.06	0.0	0.0	0.0	
5-6	0.30	0.25	0.20	0.20	0.17	0.13	0.09	0.07	0.25	0.13	0.17	0.07	
6-7	0.63	0.50	0.43	0.38	0.49	0.38	0.28	0.25	0.61	0.32	0.48	0.24	
7-8	0.91	0.71	0.57	0.51	0.73	0.55	0.41	0.34	0.92	0.45	0.70	0.33	
8-9	1.11	0.86	0.67	0.60	0.91	0.67	0.48	0.41	1.13	0.55	0.87	0.40	
9-10	1.32	1.02	0.79	0.70	1.10	0.80	0.57	0.48	1.39	0.67	1.06	0.47	
10-11	1.68	1.29	1.00	0.90	1.38	1.00	0.72	0.60	1.70	0.84	1.34	0.61	
11-12	1.86	1.40	1.09	0.98	1.51	1.09	0.79	0.66	1.85	0.93	1.47	0.66	
12-13	1.95	1.47	1.15	1.03	1.57	1.15	0.83	0.69	1.93	0.98	1.55	0.71	
13-14	1.86	1.40	1.10	0.98	1.52	1.10	0.80	0.66	1.84	0.93	1.49	0.69	
14-15	1.68	1.27	0.99	0.89	1.38	1.00	0.73	0.61	1.67	0.84	1.37	0.64	
15-16	1.41	1.07	0.84	0.76	1.17	0.85	0.63	0.53	1.39	0.70	1.16	0.55	
16-17	1.08	0.81	0.65	0.60	0.90	0.67	0.50	0.42	1.08	0.54	0.91	0.45	
17-18	0.71	0.49	0.42	0.40	0.59	0.45	0.33	0.29	0.74	0.35	0.61	0.31	
18-19	0.30	0.20	0.18	0.18	0.24	0.17	0.12	0.11	0.32	0.11	0.26	0.13	
19-20	0.05	0.03	0.03	0.03	0.01	0.0	0.0	0.0	0.06	0.0	0.02	0.0	
20-21	0.03	0.00	0.01	0.07	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.00	0.00	0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.00	0.0	0.05	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
TOTAL	17.05	13.07	10.23	9.57	13.68	10.02	7.28	6.11	16.96	8.33	13.46	6.26	

LONGWAVE RADIATION (MJ/M**2)													
MAR. 2													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.46	0.65	0.44	9.99	0.01	-0.19	-0.18	0.0	0.0	0.0	0.0		
1-2	0.46	0.64	0.45	9.99	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
2-3	0.48	0.65	0.48	9.99	0.01	-0.16	-0.16	0.0	0.0	0.0	0.0		
3-4	0.48	0.65	0.49	9.99	0.01	-0.17	-0.16	0.0	0.0	0.0	0.0		
4-5	0.48	0.65	0.47	9.99	0.13	-0.17	-0.04	0.007	0.007	0.007	0.006		
5-6	0.48	0.66	0.47	9.99	0.14	-0.17	-0.04	0.389	0.373	0.339	0.303		
6-7	0.49	0.67	0.47	9.99	0.15	-0.18	-0.03	0.601	0.534	0.467	0.412		
7-8	0.50	0.68	0.49	9.99	0.18	-0.18	-0.00	0.600	0.512	0.434	0.377		
8-9	0.49	0.70	0.48	9.99	0.20	-0.20	-0.00	0.598	0.501	0.419	0.362		
9-10	0.49	0.71	0.48	9.99	0.23	-0.23	0.00	0.578	0.477	0.397	0.342		
10-11	0.49	0.73	0.49	9.99	0.30	-0.24	0.06	0.721	0.591	0.490	0.420		
11-12	0.48	0.75	0.48	9.99	0.35	-0.27	0.08	0.829	0.678	0.562	0.483		
12-13	0.47	0.76	0.47	9.99	0.38	-0.30	0.08	0.959	0.783	0.648	0.557		
13-14	0.47	0.77	0.46	9.99	0.34	-0.30	0.05	1.002	0.821	0.681	0.585		
14-15	0.47	0.77	0.47	9.99	0.30	-0.30	0.00	0.985	0.814	0.675	0.581		
15-16	0.48	0.77	0.48	9.99	0.24	-0.30	-0.06	0.954	0.797	0.664	0.574		
16-17	0.47	0.76	0.48	9.99	0.17	-0.29	-0.11	0.889	0.756	0.635	0.551		
17-18	0.47	0.74	0.46	9.99	0.12	-0.27	-0.16	0.770	0.680	0.585	0.507		
18-19	0.48	0.74	0.48	9.99	0.06	-0.26	-0.19	0.498	0.457	0.401	0.356		
19-20	0.48	0.72	0.47	9.99	0.04	-0.24	-0.20	0.083	0.080	0.072	0.066		
20-21	0.49	0.70	0.47	9.99	0.03	-0.21	-0.18	0.0	0.0	0.0	0.0		
21-22	0.47	0.69	0.46	9.99	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0		
22-23	0.48	0.68	0.47	9.99	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
23-24	0.48	0.67	0.46	9.99	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
TOTAL	11.51	16.92	11.32	99.99	3.37	-5.41	-2.04						

SHORTWAVE RADIATION (MJ/M**2)													
MAR. 3													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.00	0.02	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0
1-2	0.01	0.01	0.01	0.04	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0
2-3	0.0	0.02	0.00	0.06	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0
3-4	0.0	0.01	0.01	0.04	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0
4-5	0.03	0.05	0.01	0.01	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0
5-6	0.19	0.16	0.14	0.13	0.10	0.07	0.04	0.03	0.14	0.05	0.11	0.03	
6-7	0.51	0.40	0.35	0.32	0.40	0.30	0.22	0.20	0.47	0.23	0.39	0.19	
7-8	0.88	0.67	0.55	0.50	0.69	0.53	0.39	0.33	0.88	0.43	0.66	0.31	
8-9	1.22	0.94	0.75	0.66	0.98	0.73	0.53	0.44	1.24	0.61	0.93	0.43	
9-10	1.51	1.17	0.91	0.81	1.23	0.91	0.65	0.54	1.59	0.77	1.18	0.54	
10-11	1.75	1.34	1.04	0.93	1.42	1.04	0.75	0.62	1.76	0.88	1.37	0.63	
11-12	1.89	1.43	1.12	1.00	1.52	1.11	0.80	0.66	1.86	0.94	1.48	0.68	
12-13	1.90	1.43	1.12	1.00	1.53	1.11	0.80	0.67	1.87	0.95	1.50	0.68	
13-14	1.83	1.38	1.08	0.96	1.49	1.08	0.78	0.65	1.80	0.91	1.46	0.67	
14-15	1.64	1.24	0.97	0.86	1.34	0.94	0.71	0.59	1.61	0.82	1.33	0.61	
15-16	1.37	1.04	0.81	0.74	1.13	0.83	0.61	0.51	1.35	0.68	1.13	0.53	
16-17	1.04	0.79	0.63	0.58	0.87	0.64	0.48	0.40	1.04	0.52	0.88	0.43	
17-18	0.69	0.49	0.41	0.39	0.57	0.43	0.33	0.28	0.69	0.33	0.59	0.30	
18-19	0.34	0.22	0.20	0.20	0.26	0.19	0.14	0.12	0.36	0.13	0.28	0.15	
19-20	0.23	0.11	0.09	0.17	0.03	0.01	0.00	0.00	0.10	0.0	0.04	0.00	
20-21	0.04	0.03	0.05	0.09	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	
21-22	0.03	0.03	0.04	0.08	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	
22-23	0.03	0.02	0.03	0.03	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
23-24	0.04	0.05	0.02	0.08	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	
TOTAL	17.17	13.04	10.33	9.71	13.55	9.96	7.23	6.04	16.86	8.25	13.33	6.19	

LONGWAVE RADIATION (MJ/M**2)													
MAR. 3													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.47	0.67	0.47	9.99	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0	
1-2	0.48	0.66	0.47	9.99	0.01	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	
2-3	0.48	0.65	0.46	9.99	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	
3-4	0.48	0.65	0.46	9.99	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	
4-5	0.48	0.64	0.47	9.99	0.03	-0.17	-0.14	0.002	0.002	0.001	0.002		
5-6	0.47	0.64	0.47	9.99	0.09	-0.17	-0.08	0.419	0.401	0.366	0.331		
6-7	0.48	0.65	0.47	9.99	0.12	-0.17	-0.05	0.706	0.635	0.549	0.483		
7-8	0.47	0.66	0.47	9.99	0.19	-0.19	-0.01	0.848	0.732	0.620	0.538		
8-9	0.47	0.68	0.46	9.99	0.25	-0.20	0.04	0.930	0.783	0.655	0.566		
9-10	0.46	0.70	0.46	9.99	0.28	-0.23	0.05	0.981	0.814	0.678	0.583		
10-11	0.46	0.72	0.45	9.99	0.33	-0.25	0.08	1.005	0.827	0.686	0.590		
11-12	0.45	0.73	0.46	9.99	0.37	-0.28	0.09	1.013	0.829	0.687	0.591		
12-13	0.45	0.73	0.46	9.99	0.37	-0.28	0.09	1.006	0.823	0.682	0.587		
13-14	0.46	0.74	0.46	9.99	0.35	-0.28	0.07	1.025	0.841	0.697	0.600		
14-15	0.46	0.73	0.46	9.99	0.30	-0.27	0.03	1.009	0.833	0.692	0.596		
15-16	0.46	0.73	0.46	9.99	0.23	-0.26	-0.03	0.979	0.817	0.682	0.589		
16-17	0.46	0.72	0.46	9.99	0.17	-0.26	-0.09	0.887	0.755	0.635	0.552		
17-18	0.46	0.72	0.45	9.99	0.12	-0.26	-0.14	0.826	0.727	0.623	0.545		
18-19	0.45	0.71	0.44	9.99	0.08	-0.26	-0.18	0.631	0.585	0.518	0.462		
19-20	0.44	0.69	0.42	9.99	0.21	-0.25	-0.04	0.171	0.168	0.154	0.139		
20-21	0.43	0.67	0.41	9.99	0.04	-0.24	-0.20	0.0	0.0	0.0	0.0		
21-22	0.43	0.65	0.41	9.99	0.03	-0.22	-0.20	0.0	0.0	0.0	0.0		
22-23	0.43	0.64	0.40	9.99	0.03	-0.22	-0.18	0.0	0.0	0.0	0.0		
23-24	0.42	0.63	0.40	9.99	0.04	-0.21	-0.17	0.0	0.0	0.0	0.0		
TOTAL	11.02	16.41	10.81	99.99	3.62	-5.39	-1.77						

SHORTWAVE RADIATION (MJ/M**2)												
MAR. 4	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.03	0.04	0.02	0.05	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
1-2	0.05	0.08	0.04	0.03	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
2-3	0.04	0.06	0.02	0.16	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
3-4	0.03	0.03	0.01	0.14	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
4-5	0.13	0.10	0.03	0.11	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0
5-6	0.16	0.14	0.11	0.11	0.07	0.04	0.02	0.01	0.11	0.04	0.09	0.03
6-7	0.57#	0.44	0.35	0.33	0.36	0.28	0.21	0.19	0.43	0.22	0.37	0.19
7-8	0.96#	0.71	0.54	0.50	0.67	0.51	0.38	0.32	0.84	0.42	0.65	0.32
8-9	1.31#	0.96	0.74	0.67	0.95	0.72	0.52	0.44	1.21	0.62	0.92	0.44
9-10	1.59#	1.16	0.90	0.80	1.20	0.90	0.65	0.55	1.55	0.77	1.16	0.55
10-11	1.78#	1.32	1.03	0.91	1.39	1.03	0.74	0.62	1.74	0.87	1.35	0.63
11-12	1.86	1.40	1.10	0.99	1.50	1.10	0.79	0.66	1.84	0.94	1.47	0.68
12-13	1.89	1.42	1.12	1.00	1.52	1.11	0.81	0.68	1.87	0.95	1.50	0.70
13-14	1.81	1.36	1.07	0.95	1.47	1.07	0.78	0.65	1.78	0.91	1.45	0.67
14-15	1.62	1.23	0.96	0.87	1.32	0.97	0.71	0.59	1.59	0.81	1.31	0.62
15-16	1.35	1.03	0.80	0.73	1.11	0.82	0.60	0.51	1.33	0.67	1.11	0.53
16-17	1.02	0.77	0.60	0.56	0.85	0.63	0.47	0.40	1.02	0.50	0.86	0.43
17-18	0.66	0.48	0.39	0.38	0.54	0.42	0.32	0.27	0.67	0.31	0.57	0.30
18-19	0.34	0.23	0.18	0.20	0.24	0.18	0.13	0.11	0.34	0.11	0.26	0.14
19-20	0.16	0.12	0.04	0.07	0.02	0.00	0.0	0.0	0.08	0.0	0.02	0.0
20-21	0.01	0.05	0.0	0.02	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0
21-22	0.02	0.07	0.00	0.04	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0
22-23	0.01	0.05	0.01	0.05	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0
23-24	0.02	0.05	0.0	0.03	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
TOTAL	17.41	13.29	10.08	9.71	13.20	9.79	7.14	6.00	16.46	8.15	13.09	6.22

MAR. 4	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HR	(SURFACE)		(30M)		SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD							
0-1	0.42	0.63	0.39	9.99	0.03	-0.21	-0.18	0.0	0.0	0.0	0.0
1-2	0.42	0.62	0.39	9.99	0.05	-0.20	-0.15	0.0	0.0	0.0	0.0
2-3	0.42	0.62	0.39	9.99	0.04	-0.20	-0.16	0.0	0.0	0.0	0.0
3-4	0.42	0.62	0.39	9.99	0.03	-0.19	-0.16	0.0	0.0	0.0	0.0
4-5	0.42	0.61	0.39	9.99	0.13	-0.19	-0.06	0.0	0.0	0.0	0.0
5-6	0.42	0.61	0.39	9.99	0.10	-0.19	-0.09	0.180	0.173	0.157	0.145
6-7	0.42	0.62	0.39	9.99	0.20	-0.20	0.00	0.538	0.484	0.424	0.374
7-8	0.42	0.63	0.39	9.99	0.29	-0.21	0.08	0.701	0.599	0.510	0.448
8-9	0.42	0.65	0.40	9.99	0.36	-0.23	0.13	0.805	0.672	0.568	0.494
9-10	0.41	0.66	0.40	9.99	0.39	-0.25	0.14	0.870	0.722	0.602	0.521
10-11	0.42	0.68	0.40	9.99	0.39	-0.25	0.14	0.932	0.767	0.638	0.554
11-12	0.45	0.69	0.40	9.99	0.36	-0.24	0.12	0.958	0.783	0.648	0.562
12-13	0.45	0.70	0.41	9.99	0.37	-0.25	0.12	0.981	0.805	0.669	0.578
13-14	0.44	0.70	0.41	9.99	0.35	-0.26	0.09	1.010	0.830	0.689	0.596
14-15	0.44	0.70	0.41	9.99	0.29	-0.27	0.03	1.002	0.829	0.689	0.597
15-16	0.44	0.70	0.41	9.99	0.24	-0.26	-0.02	0.970	0.812	0.679	0.589
16-17	0.43	0.69	0.41	9.99	0.17	-0.26	-0.09	0.883	0.754	0.636	0.555
17-18	0.42	0.68	0.41	9.99	0.12	-0.26	-0.14	0.815	0.719	0.619	0.544
18-19	0.41	0.66	0.40	9.99	0.10	-0.26	-0.16	0.624	0.581	0.520	0.465
19-20	0.39	0.64	0.39	9.99	0.14	-0.25	-0.10	0.188	0.184	0.173	0.159
20-21	0.40	0.63	0.38	9.99	0.01	-0.23	-0.22	0.0	0.0	0.0	0.0
21-22	0.39	0.62	0.39	9.99	0.02	-0.23	-0.21	0.0	0.0	0.0	0.0
22-23	0.39	0.61	0.39	9.99	0.01	-0.23	-0.22	0.0	0.0	0.0	0.0
23-24	0.39	0.61	0.39	9.99	0.02	-0.22	-0.20	0.0	0.0	0.0	0.0
TOTAL	10.05	15.57	9.52	99.99	4.21	-5.52	-1.32				



SHORTWAVE RADIATION (MJ/M**2)												
MAR. 5												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.04	0.00	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.04	0.01	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.05	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.02	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.07	0.08	0.00	0.09	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
5-6	0.17	0.15	0.10	0.11	0.06	0.04	0.02	0.00	0.11	0.03	0.07	0.02
6-7	0.48*	0.39	0.31	0.28	0.34	0.26	0.19	0.18	0.40	0.19	0.34	0.17
7-8	0.87*	0.65	0.52	0.47	0.65	0.50	0.37	0.31	0.83	0.41	0.63	0.30
8-9	1.23*	0.92	0.73	0.64	0.95	0.72	0.51	0.44	1.20	0.59	0.91	0.42
9-10	1.48*	1.13	0.88	0.78	1.17	0.87	0.63	0.53	1.50	0.74	1.13	0.52
10-11	1.68*	1.28	0.99	0.88	1.35	1.00	0.71	0.60	1.69	0.83	1.32	0.60
11-12	1.84	1.39	1.08	0.96	1.48	1.09	0.77	0.65	1.82	0.91	1.45	0.66
12-13	1.94	1.46	1.13	1.02	1.57	1.15	0.82	0.68	1.91	0.96	1.54	0.70
13-14	1.69	1.28	0.98	0.88	1.39	1.00	0.72	0.60	1.66	0.82	1.36	0.61
14-15	1.44	1.09	0.84	0.74	1.19	0.86	0.62	0.52	1.41	0.69	1.17	0.53
15-16	1.30	1.00	0.77	0.70	1.08	0.79	0.58	0.48	1.29	0.63	1.07	0.50
16-17	0.93	0.71	0.55	0.51	0.79	0.58	0.42	0.35	0.92	0.44	0.78	0.36
17-18	0.55	0.41	0.33	0.31	0.46	0.35	0.26	0.22	0.54	0.25	0.46	0.22
18-19	0.18	0.13	0.11	0.09	0.11	0.07	0.04	0.03	0.17	0.05	0.11	0.02
19-20	0.08	0.06	0.01	0.05	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0
20-21	0.0	0.01	0.0	0.04	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0
21-22	0.0	0.00	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.01	0.0	0.04	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	15.92	12.33	9.34	8.73	12.60	9.27	6.67	5.58	15.50	7.54	12.35	5.64

LONGWAVE RADIATION (MJ/M**2)												
MAR. 5												
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.39	0.61	0.38	9.99	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	
1-2	0.39	0.60	0.38	9.99	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	
2-3	0.40	0.60	0.38	9.99	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
3-4	0.40	0.60	0.39	9.99	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
4-5	0.40	0.59	0.40	9.99	0.07	-0.20	-0.12	0.0	0.0	0.0	0.0	
5-6	0.42	0.60	0.40	9.99	0.11	-0.18	-0.08	0.267	0.256	0.236	0.213	
6-7	0.43	0.61	0.41	9.99	0.14	-0.18	-0.04	0.600	0.542	0.474	0.418	
7-8	0.44	0.63	0.41	9.99	0.22	-0.19	0.03	0.750	0.648	0.550	0.481	
8-9	0.45	0.65	0.43	9.99	0.29	-0.19	0.09	0.814	0.686	0.574	0.496	
9-10	0.47	0.66	0.44	9.99	0.30	-0.19	0.11	0.928	0.772	0.643	0.556	
10-11	0.48	0.67	0.44	9.99	0.32	-0.19	0.13	0.975	0.805	0.667	0.573	
11-12	0.49	0.69	0.45	9.99	0.36	-0.20	0.16	0.998	0.818	0.677	0.582	
12-13	0.51	0.70	0.49	9.99	0.37	-0.19	0.18	0.937	0.766	0.632	0.544	
13-14	0.51	0.71	0.49	9.99	0.30	-0.19	0.11	0.803	0.658	0.541	0.464	
14-15	0.52	0.71	0.50	9.99	0.24	-0.19	0.05	0.668	0.550	0.455	0.391	
15-16	0.51	0.71	0.50	9.99	0.22	-0.20	0.03	0.781	0.654	0.546	0.471	
16-17	0.55	0.71	0.54	9.99	0.14	-0.16	-0.02	0.511	0.433	0.363	0.314	
17-18	0.52	0.70	0.51	9.99	0.09	-0.18	-0.10	0.417	0.366	0.312	0.271	
18-19	0.55	0.69	0.55	9.99	0.06	-0.15	-0.08	0.039	0.035	0.030	0.026	
19-20	0.58	0.69	0.57	9.99	0.08	-0.11	-0.03	0.0	0.0	0.0	0.0	
20-21	0.56	0.68	0.56	9.99	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
21-22	0.54	0.67	0.53	9.99	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
22-23	0.48	0.65	0.48	9.99	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
23-24	0.46	0.64	0.46	9.99	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
TOTAL	11.46	15.76	11.10	99.99	3.31	-4.30	-0.99					

SHORTWAVE RADIATION (MJ/M**2)												
MAR. 6	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HOURL	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.02	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0
2-3	0.0	0.01	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.00	0.0	0.04	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0
4-5	0.08	0.08	0.01	0.06	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
5-6	0.09	0.08	0.06	0.05	0.04	0.01	0.0	0.0	0.09	0.01	0.04	0.0
6-7	0.28	0.22	0.17	0.15	0.22	0.15	0.10	0.08	0.28	0.11	0.21	0.08
7-8	0.67	0.52	0.41	0.36	0.55	0.40	0.29	0.24	0.67	0.32	0.52	0.23
8-9	0.97	0.75	0.58	0.51	0.80	0.58	0.41	0.35	0.97	0.46	0.76	0.33
9-10	1.25	0.96	0.73	0.65	1.03	0.75	0.53	0.44	1.26	0.61	0.99	0.42
10-11	1.40	1.07	0.82	0.72	1.16	0.84	0.59	0.49	1.41	0.67	1.12	0.48
11-12	1.53	1.16	0.88	0.79	1.26	0.90	0.64	0.53	1.52	0.73	1.22	0.53
12-13	1.67	1.26	0.97	0.87	1.37	0.98	0.70	0.59	1.65	0.82	1.33	0.59
13-14	1.74	1.31	1.02	0.91	1.41	1.03	0.74	0.61	1.71	0.86	1.39	0.63
14-15	1.53	1.16	0.90	0.81	1.26	0.91	0.66	0.55	1.50	0.75	1.24	0.57
15-16	1.17	0.89	0.69	0.63	0.98	0.71	0.52	0.44	1.15	0.57	0.97	0.45
16-17	0.80	0.60	0.47	0.44	0.68	0.50	0.37	0.31	0.79	0.38	0.68	0.32
17-18	0.47	0.34	0.28	0.26	0.40	0.30	0.23	0.19	0.47	0.21	0.41	0.20
18-19	0.12	0.08	0.06	0.06	0.07	0.03	0.01	0.00	0.12	0.02	0.08	0.00
19-20	0.03	0.01	0.00	0.00	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	13.81	10.54	8.06	7.37	11.22	8.11	5.80	4.84	13.64	6.50	10.94	4.85

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
MAR. 6	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
HOURL	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.45	0.64	0.46	9.99	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
1-2	0.47	0.63	0.47	9.99	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
2-3	0.48	0.63	0.47	9.99	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
3-4	0.47	0.63	0.47	9.99	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
4-5	0.51	0.64	0.50	9.99	0.08	-0.13	-0.05	0.0	0.0	0.0	0.0	
5-6	0.50	0.64	0.49	9.99	0.05	-0.14	-0.09	0.023	0.023	0.021	0.018	
6-7	0.51	0.64	0.50	9.99	0.07	-0.13	-0.07	0.091	0.082	0.072	0.062	
7-8	0.53	0.66	0.52	9.99	0.13	-0.13	-0.01	0.303	0.262	0.221	0.192	
8-9	0.54	0.67	0.53	9.99	0.17	-0.14	0.04	0.361	0.303	0.253	0.218	
9-10	0.58	0.70	0.57	9.99	0.22	-0.12	0.10	0.291	0.240	0.199	0.171	
10-11	0.57	0.71	0.56	9.99	0.24	-0.15	0.09	0.341	0.280	0.231	0.199	
11-12	0.56	0.71	0.54	9.99	0.27	-0.16	0.12	0.410	0.335	0.276	0.236	
12-13	0.52	0.72	0.50	9.99	0.31	-0.20	0.10	0.687	0.563	0.464	0.399	
13-14	0.51	0.73	0.48	9.99	0.32	-0.22	0.10	0.907	0.745	0.616	0.531	
14-15	0.51	0.73	0.49	9.99	0.27	-0.22	0.05	0.827	0.684	0.566	0.488	
15-16	0.51	0.73	0.49	9.99	0.19	-0.22	-0.03	0.677	0.566	0.472	0.407	
16-17	0.49	0.71	0.48	9.99	0.11	-0.22	-0.11	0.566	0.484	0.407	0.353	
17-18	0.49	0.69	0.48	9.99	0.07	-0.20	-0.13	0.447	0.395	0.339	0.296	
18-19	0.47	0.67	0.47	9.99	0.05	-0.20	-0.15	0.086	0.079	0.069	0.061	
19-20	0.48	0.65	0.48	9.99	0.03	-0.17	-0.14	0.001	0.001	0.001	0.001	
20-21	0.47	0.64	0.47	9.99	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
21-22	0.49	0.64	0.48	9.99	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
22-23	0.48	0.64	0.48	9.99	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
23-24	0.51	0.64	0.51	9.99	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
TOTAL	12.08	16.10	11.90	99.99	2.59	-4.03	-1.44					

SHORTWAVE RADIATION (MJ/M**2)													
MAR. 7													
HOUR	GLOBAL(SURFACE)				REFLECTED(SURFACE)				GLOBAL(30M)		REFLECTED(30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.03	0.03	0.0	0.01	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0
5- 6	0.11	0.09	0.07	0.06	0.05	0.03	0.01	0.00	0.10	0.03	0.05	0.00	0.00
6- 7	0.24	0.19	0.14	0.13	0.19	0.13	0.08	0.07	0.24	0.09	0.18	0.06	0.06
7- 8	0.62	0.48	0.38	0.34	0.51	0.38	0.28	0.23	0.62	0.29	0.49	0.22	0.22
8- 9	0.83	0.63	0.48	0.42	0.69	0.50	0.36	0.30	0.84	0.39	0.66	0.28	0.28
9-10	1.28	0.99	0.77	0.69	1.06	0.79	0.57	0.47	1.31	0.64	1.03	0.47	0.47
10-11	1.02	0.75	0.56	0.49	0.86	0.60	0.42	0.35	1.03	0.45	0.83	0.33	0.33
11-12	1.62	1.23	0.94	0.84	1.34	0.97	0.69	0.57	1.62	0.79	1.31	0.58	0.58
12-13	1.73	1.33	1.04	0.94	1.43	1.04	0.75	0.63	1.73	0.87	1.41	0.65	0.65
13-14	1.46	1.11	0.86	0.77	1.22	0.87	0.63	0.52	1.45	0.71	1.20	0.54	0.54
14-15	1.31	1.00	0.77	0.69	1.11	0.80	0.57	0.48	1.31	0.64	1.08	0.48	0.48
15-16	1.03	0.80	0.61	0.56	0.88	0.64	0.46	0.38	1.00	0.48	0.86	0.39	0.39
16-17	0.58	0.44	0.33	0.31	0.51	0.36	0.26	0.22	0.58	0.26	0.51	0.22	0.22
17-18	0.36	0.27	0.21	0.19	0.31	0.22	0.16	0.13	0.36	0.14	0.30	0.13	0.13
18-19	0.13	0.10	0.07	0.06	0.07	0.04	0.01	0.00	0.13	0.03	0.07	0.00	0.00
19-20	0.03	0.01	0.01	0.02	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0
20-21	0.01	0.01	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.02	0.00	0.04	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0
22-23	0.0	0.02	0.00	0.02	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0
23-24	0.01	0.03	0.00	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	12.37	9.54	7.25	6.64	10.22	7.37	5.24	4.36	12.33	5.80	9.98	4.36	4.36

LONGWAVE RADIATION (MJ/M**2)													
MAR. 7													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.53	0.64	0.53	9.99	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.53	0.64	0.53	9.99	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.52	0.64	0.52	9.99	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.58	0.64	0.58	9.99	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.60	0.65	0.60	9.99	0.03	-0.05	-0.02	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.55	0.65	0.55	9.99	0.06	-0.10	-0.04	0.033	0.031	0.030	0.027	0.027	0.027
6- 7	0.60	0.66	0.60	9.99	0.06	-0.06	0.00	0.035	0.032	0.028	0.024	0.024	0.024
7- 8	0.57	0.67	0.56	9.99	0.10	-0.10	0.00	0.284	0.245	0.208	0.180	0.180	0.180
8- 9	0.60	0.68	0.59	9.99	0.13	-0.08	0.05	0.220	0.184	0.154	0.133	0.133	0.133
9-10	0.53	0.69	0.51	9.99	0.21	-0.16	0.06	0.676	0.565	0.472	0.404	0.404	0.404
10-11	0.63	0.70	0.63	9.99	0.16	-0.07	0.09	0.124	0.100	0.081	0.068	0.068	0.068
11-12	0.59	0.72	0.59	9.99	0.27	-0.13	0.14	0.030	0.033	0.032	0.032	0.032	0.032
12-13	0.50	0.72	0.50	9.99	0.30	-0.22	0.08	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.52	0.72	0.52	9.99	0.24	-0.21	0.03	0.129	0.139	0.137	0.135	0.135	0.135
14-15	0.59	0.74	0.59	9.99	0.20	-0.15	0.06	0.000	0.000	0.000	0.000	0.000	0.000
15-16	0.60	0.73	0.60	9.99	0.15	-0.14	0.01	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.60	0.73	0.60	9.99	0.07	-0.13	-0.05	0.024	0.026	0.026	0.027	0.027	0.027
17-18	0.61	0.72	0.61	9.99	0.05	-0.11	-0.06	0.083	0.074	0.062	0.054	0.054	0.054
18-19	0.57	0.70	0.57	9.99	0.06	-0.13	-0.08	0.007	0.007	0.006	0.005	0.005	0.005
19-20	0.58	0.70	0.58	9.99	0.03	-0.12	-0.09	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.68	0.70	0.68	9.99	0.01	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.69	0.70	0.68	9.99	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.69	0.71	0.68	9.99	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.69	0.71	0.68	9.99	0.01	-0.03	-0.02	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	14.12	16.57	14.08	99.99	2.16	-2.44	-0.29						

SHORTWAVE RADIATION (MJ/M**2)													
MAR. 8													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.03	0.0	0.02	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
1-2	0.0	0.01	0.00	0.03	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
2-3	0.0	0.03	0.00	0.03	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
3-4	0.0	0.04	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.02	0.04	0.01	0.04	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
5-6	0.05	0.05	0.03	0.03	0.01	0.0	0.0	0.0	0.05	0.0	0.01	0.0	
6-7	0.21	0.16	0.11	0.10	0.15	0.10	0.06	0.05	0.21	0.06	0.15	0.04	
7-8	0.43	0.32	0.23	0.20	0.36	0.25	0.17	0.15	0.43	0.16	0.35	0.14	
8-9	0.69	0.52	0.38	0.32	0.60	0.41	0.29	0.24	0.70	0.29	0.57	0.22	
9-10	1.01	0.76	0.56	0.49	0.86	0.61	0.42	0.35	1.02	0.46	0.82	0.34	
10-11	1.23	0.92	0.69	0.60	1.04	0.74	0.52	0.43	1.24	0.57	1.01	0.42	
11-12	1.39	1.04	0.78	0.69	1.17	0.83	0.58	0.48	1.40	0.64	1.14	0.48	
12-13	1.30	0.98	0.73	0.64	1.10	0.78	0.55	0.45	1.30	0.60	1.07	0.45	
13-14	1.29	0.96	0.71	0.61	1.10	0.77	0.54	0.44	1.29	0.57	1.06	0.43	
14-15	1.26	0.95	0.73	0.64	1.07	0.77	0.55	0.46	1.25	0.60	1.06	0.47	
15-16	0.89	0.66	0.51	0.46	0.76	0.54	0.39	0.32	0.89	0.40	0.75	0.33	
16-17	0.63	0.47	0.36	0.32	0.54	0.38	0.27	0.22	0.63	0.27	0.52	0.22	
17-18	0.35	0.25	0.20	0.18	0.30	0.22	0.16	0.13	0.35	0.14	0.31	0.14	
18-19	0.13	0.10	0.08	0.07	0.07	0.04	0.01	0.01	0.13	0.03	0.07	0.00	
19-20	0.02	0.01	0.01	0.02	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.00	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	10.91	8.31	6.11	5.58	9.13	6.43	4.51	3.73	10.92	4.80	8.89	3.69	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
MAR. 8													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.64	0.71	0.64	9.99	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
1-2	0.63	0.71	0.63	9.99	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0		
2-3	0.70	0.71	0.69	9.99	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
3-4	0.67	0.71	0.67	9.99	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
4-5	0.63	0.70	0.63	9.99	0.02	-0.07	-0.04	0.0	0.0	0.0	0.0		
5-6	0.71	0.71	0.71	9.99	0.05	-0.00	0.05	0.0	0.0	0.0	0.0		
6-7	0.73	0.73	0.73	9.99	0.06	0.00	0.06	0.0	0.0	0.0	0.0		
7-8	0.72	0.74	0.72	9.99	0.06	-0.01	0.05	0.003	0.001	0.001	0.000		
8-9	0.73	0.75	0.72	9.99	0.10	-0.02	0.08	0.021	0.016	0.013	0.011		
9-10	0.69	0.76	0.69	9.99	0.15	-0.06	0.09	0.107	0.087	0.073	0.063		
10-11	0.68	0.77	0.67	9.99	0.19	-0.09	0.10	0.191	0.158	0.130	0.110		
11-12	0.68	0.78	0.66	9.99	0.22	-0.10	0.12	0.241	0.195	0.159	0.137		
12-13	0.65	0.77	0.63	9.99	0.20	-0.13	0.08	0.258	0.208	0.170	0.146		
13-14	0.73	0.79	0.72	9.99	0.19	-0.06	0.13	0.121	0.099	0.082	0.069		
14-15	0.62	0.79	0.61	9.99	0.19	-0.17	0.02	0.452	0.373	0.307	0.264		
15-16	0.63	0.79	0.62	9.99	0.13	-0.16	-0.03	0.278	0.231	0.190	0.164		
16-17	0.67	0.79	0.67	9.99	0.09	-0.12	-0.03	0.085	0.073	0.060	0.053		
17-18	0.58	0.77	0.58	9.99	0.05	-0.18	-0.13	0.160	0.142	0.122	0.105		
18-19	0.59	0.75	0.59	9.99	0.06	-0.16	-0.10	0.006	0.006	0.005	0.004		
19-20	0.67	0.76	0.66	9.99	0.02	-0.09	-0.07	0.0	0.0	0.0	0.0		
20-21	0.58	0.74	0.58	9.99	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
21-22	0.55	0.72	0.54	9.99	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
22-23	0.54	0.71	0.54	9.99	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
23-24	0.63	0.73	0.63	9.99	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
TOTAL	15.66	17.88	15.55	99.99	1.78	-2.22	-0.44						

SHORTWAVE RADIATION (MJ/M**2)													
MAR. 9													
HOUR	GLOBAL(SURFACE)				REFLECTED(SURFACE)				GLDBAL(30M)		REFLECTED(30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.00	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5- 6	0.06	0.04	0.03	0.02	0.00	0.0	0.0	0.0	0.05	0.0	0.01	0.0	
6- 7	0.21	0.16	0.12	0.10	0.15	0.09	0.06	0.05	0.20	0.06	0.15	0.04	
7- 8	0.42	0.31	0.23	0.19	0.35	0.24	0.17	0.14	0.42	0.16	0.34	0.13	
8- 9	0.71	0.54	0.39	0.34	0.60	0.42	0.29	0.24	0.73	0.31	0.58	0.23	
9-10	0.86	0.64	0.46	0.40	0.73	0.50	0.35	0.29	0.87	0.37	0.69	0.27	
10-11	0.99	0.73	0.53	0.46	0.83	0.57	0.39	0.32	1.00	0.43	0.79	0.31	
11-12	1.37	1.02	0.76	0.67	1.17	0.82	0.57	0.47	1.41	0.65	1.13	0.47	
12-13	1.77	1.33	1.00	0.88	1.47	1.05	0.74	0.61	1.78	0.84	1.44	0.61	
13-14	1.98	1.51	1.13	0.99	1.65	1.19	0.85	0.70	1.97	0.94	1.58	0.69	
14-15	1.58	1.21	0.91	0.80	1.32	0.96	0.69	0.57	1.55	0.75	1.28	0.57	
15-16	1.05	0.79	0.61	0.55	0.89	0.64	0.47	0.39	1.04	0.49	0.89	0.41	
16-17	0.82	0.61	0.48	0.46	0.70	0.52	0.39	0.33	0.84	0.39	0.72	0.36	
17-18	0.49	0.34	0.28	0.28	0.41	0.31	0.25	0.21	0.50	0.21	0.43	0.22	
18-19	0.26	0.15	0.11	0.14	0.10	0.07	0.05	0.04	0.19	0.04	0.13	0.05	
19-20	0.11	0.05	0.02	0.03	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.00	0.0	0.01	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
TOTAL	12.69	9.44	7.07	6.42	10.38	7.38	5.27	4.36	12.57	5.64	10.16	4.36	

LONGWAVE RADIATION (MJ/M**2)													
MAR. 9													
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.71	0.74	0.71	9.99	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
1- 2	0.72	0.75	0.72	9.99	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
2- 3	0.70	0.75	0.69	9.99	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
3- 4	0.62	0.73	0.62	9.99	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
4- 5	0.58	0.72	0.58	9.99	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
5- 6	0.57	0.71	0.56	9.99	0.05	-0.14	-0.09	0.0	0.0	0.0	0.0		
6- 7	0.58	0.71	0.58	9.99	0.06	-0.13	-0.07	0.019	0.018	0.015	0.014		
7- 8	0.73	0.74	0.73	9.99	0.06	-0.01	0.06	0.0	0.0	0.0	0.0		
8- 9	0.74	0.76	0.73	9.99	0.11	-0.02	0.09	0.002	0.001	0.001	0.001		
9-10	0.73	0.77	0.73	9.99	0.13	-0.03	0.10	0.002	0.001	0.000	0.000		
10-11	0.67	0.77	0.67	9.99	0.16	-0.09	0.07	0.012	0.008	0.006	0.004		
11-12	0.65	0.78	0.64	9.99	0.21	-0.13	0.08	0.206	0.164	0.133	0.113		
12-13	0.67	0.79	0.66	9.99	0.30	-0.12	0.18	0.368	0.299	0.249	0.211		
13-14	0.74	0.81	0.72	9.99	0.33	-0.08	0.26	0.400	0.325	0.265	0.226		
14-15	0.71	0.80	0.70	9.99	0.25	-0.10	0.16	0.342	0.282	0.233	0.199		
15-16	0.58	0.77	0.57	9.99	0.16	-0.19	-0.03	0.566	0.477	0.398	0.343		
16-17	0.53	0.74	0.52	9.99	0.12	-0.21	-0.09	0.808	0.696	0.587	0.509		
17-18	0.51	0.74	0.50	9.99	0.08	-0.23	-0.14	0.707	0.634	0.548	0.480		
18-19	0.49	0.70	0.49	9.99	0.16	-0.21	-0.05	0.446	0.427	0.388	0.349		
19-20	0.48	0.68	0.48	9.99	0.11	-0.20	-0.09	0.040	0.039	0.037	0.034		
20-21	0.48	0.67	0.48	9.99	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
21-22	0.46	0.66	0.46	9.99	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
22-23	0.46	0.64	0.45	9.99	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
23-24	0.44	0.62	0.43	9.99	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
TOTAL	14.55	17.55	14.42	99.99	2.32	-3.01	-0.69						

SHORTWAVE RADIATION (MJ/M**2)													
MAR. 10													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.00	0.00	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.01	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.01	0.00	0.03	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
3-4	0.0	0.00	0.00	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.02	0.02	0.00	0.06	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
5-6	0.17	0.14	0.05	0.08	0.00	0.0	0.0	0.0	0.06	0.0	0.02	0.0	
6-7	0.41*	0.34	0.26	0.25	0.23	0.18	0.13	0.12	0.29	0.14	0.25	0.12	
7-8	0.77*	0.59	0.46	0.42	0.54	0.42	0.31	0.26	0.68	0.34	0.53	0.26	
8-9	1.14*	0.83	0.64	0.58	0.81	0.62	0.45	0.38	1.05	0.52	0.79	0.38	
9-10	1.36*	1.04	0.81	0.73	1.06	0.80	0.57	0.48	1.36	0.70	1.04	0.49	
10-11	1.55	1.19	0.93	0.83	1.24	0.92	0.66	0.55	1.56	0.78	1.22	0.57	
11-12	1.46	1.28	1.00	0.90	1.35	1.00	0.72	0.60	1.67	0.84	1.33	0.62	
12-13	1.72	1.29	1.01	0.91	1.37	1.01	0.73	0.60	1.68	0.86	1.36	0.64	
13-14	1.63	1.23	0.96	0.87	1.31	0.96	0.69	0.58	1.60	0.81	1.30	0.61	
14-15	1.43	1.09	0.85	0.77	1.17	0.86	0.63	0.52	1.41	0.72	1.17	0.55	
15-16	1.04	0.89	0.70	0.64	0.96	0.71	0.53	0.44	1.15	0.57	0.97	0.47	
16-17	0.83	0.62	0.49	0.48	0.70	0.53	0.40	0.33	0.84	0.41	0.71	0.36	
17-18	0.47	0.35	0.29	0.29	0.41	0.32	0.26	0.22	0.51	0.22	0.43	0.23	
18-19	0.27	0.16	0.11	0.15	0.10	0.07	0.05	0.04	0.20	0.03	0.12	0.05	
19-20	0.08	0.05	0.01	0.02	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	14.35	11.12	8.60	8.08	11.25	8.38	6.13	5.13	14.08	6.93	11.24	5.36	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
MAR. 10													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.42	0.61	0.42	9.99	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
1-2	0.41	0.61	0.41	9.99	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
2-3	0.40	0.60	0.40	9.99	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
3-4	0.40	0.59	0.40	9.99	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
4-5	0.41	0.59	0.39	9.99	0.02	-0.17	-0.16	0.0	0.0	0.0	0.0		
5-6	0.41	0.58	0.39	9.99	0.17	-0.17	-0.00	0.069	0.070	0.064	0.059		
6-7	0.42	0.59	0.40	9.99	0.17	-0.17	0.00	0.486	0.449	0.400	0.357		
7-8	0.42	0.60	0.40	9.99	0.23	-0.18	0.06	0.696	0.608	0.520	0.458		
8-9	0.42	0.61	0.40	9.99	0.33	-0.19	0.14	0.844	0.718	0.606	0.528		
9-10	0.43	0.63	0.40	9.99	0.30	-0.20	0.10	0.934	0.783	0.656	0.568		
10-11	0.44	0.64	0.41	9.99	0.30	-0.20	0.10	0.983	0.817	0.680	0.590		
11-12	0.44	0.66	0.40	9.99	0.11	-0.22	-0.11	1.003	0.829	0.689	0.596		
12-13	0.43	0.66	0.41	9.99	0.35	-0.23	0.11	1.018	0.841	0.700	0.605		
13-14	0.44	0.68	0.40	9.99	0.32	-0.24	0.08	1.017	0.842	0.702	0.606		
14-15	0.44	0.67	0.41	9.99	0.27	-0.24	0.03	0.996	0.830	0.693	0.602		
15-16	0.43	0.67	0.41	9.99	0.08	-0.24	-0.16	0.957	0.809	0.680	0.591		
16-17	0.43	0.66	0.41	9.99	0.13	-0.23	-0.10	0.869	0.753	0.641	0.560		
17-18	0.41	0.64	0.41	9.99	0.06	-0.23	-0.16	0.760	0.687	0.600	0.531		
18-19	0.40	0.62	0.39	9.99	0.18	-0.22	-0.04	0.496	0.477	0.439	0.400		
19-20	0.40	0.60	0.39	9.99	0.08	-0.20	-0.12	0.030	0.030	0.028	0.026		
20-21	0.39	0.59	0.39	9.99	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
21-22	0.40	0.60	0.39	9.99	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
22-23	0.39	0.59	0.40	9.99	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
23-24	0.39	0.58	0.39	9.99	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
TOTAL	9.97	14.85	9.64	99.99	3.10	-4.88	-1.78						

SHORTWAVE RADIATION (MJ/M**2)													
MAR. 11													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.08	0.08	0.06	0.07	0.0	0.0	0.0	0.0	0.04	0.0	0.00	0.0	
6-7	0.32	0.25	0.23	0.21	0.20	0.16	0.11	0.11	0.25	0.11	0.21	0.10	
7-8	0.65	0.51	0.43	0.38	0.51	0.40	0.29	0.24	0.66	0.31	0.50	0.24	
8-9	1.00	0.75	0.61	0.55	0.78	0.59	0.43	0.35	1.01	0.49	0.75	0.36	
9-10	1.29	0.99	0.77	0.70	1.00	0.76	0.54	0.46	1.31	0.66	0.98	0.47	
10-11	1.50	1.16	0.91	0.82	1.20	0.88	0.63	0.53	1.50	0.76	1.18	0.55	
11-12	1.63	1.25	0.97	0.87	1.31	0.97	0.69	0.57	1.62	0.81	1.29	0.60	
12-13	1.67	1.25	0.97	0.87	1.34	0.98	0.70	0.59	1.62	0.83	1.31	0.61	
13-14	1.57	1.19	0.92	0.83	1.27	0.93	0.66	0.56	1.56	0.79	1.26	0.60	
14-15	1.37	1.04	0.82	0.74	1.12	0.83	0.59	0.51	1.35	0.69	1.11	0.53	
15-16	1.11	0.83	0.66	0.60	0.91	0.67	0.50	0.41	1.09	0.54	0.92	0.45	
16-17	0.77	0.58	0.46	0.43	0.65	0.49	0.36	0.30	0.78	0.37	0.67	0.33	
17-18	0.44	0.31	0.25	0.25	0.37	0.28	0.24	0.19	0.43	0.18	0.38	0.20	
18-19	0.16	0.10	0.08	0.10	0.07	0.04	0.01	0.01	0.15	0.02	0.10	0.03	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	13.57	10.27	8.15	7.43	10.74	7.97	5.75	4.85	13.37	6.56	10.65	5.06	

LONGWAVE RADIATION (MJ/M**2)													
MAR. 11													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.40	0.57	0.40	9.99	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
1-2	0.40	0.57	0.40	9.99	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
2-3	0.40	0.57	0.40	9.99	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
3-4	0.40	0.56	0.41	9.99	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
4-5	0.39	0.56	0.40	9.99	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
5-6	0.39	0.56	0.40	9.99	0.08	-0.17	-0.08	0.187	0.187	0.177	0.162		
6-7	0.40	0.57	0.40	9.99	0.11	-0.17	-0.06	0.639	0.590	0.530	0.475		
7-8	0.41	0.58	0.40	9.99	0.14	-0.18	-0.04	0.807	0.711	0.612	0.539		
8-9	0.42	0.60	0.39	9.99	0.22	-0.18	0.04	0.899	0.769	0.652	0.565		
9-10	0.41	0.60	0.40	9.99	0.28	-0.19	0.09	0.956	0.802	0.675	0.583		
10-11	0.43	0.62	0.40	9.99	0.30	-0.19	0.10	0.988	0.822	0.687	0.595		
11-12	0.42	0.64	0.40	9.99	0.32	-0.22	0.10	1.006	0.834	0.695	0.603		
12-13	0.43	0.65	0.40	9.99	0.33	-0.22	0.11	1.010	0.835	0.700	0.604		
13-14	0.42	0.66	0.41	9.99	0.30	-0.25	0.05	1.005	0.833	0.697	0.605		
14-15	0.42	0.67	0.39	9.99	0.25	-0.25	0.00	0.986	0.819	0.690	0.598		
15-16	0.42	0.64	0.40	9.99	0.20	-0.22	-0.02	0.940	0.801	0.676	0.587		
16-17	0.41	0.64	0.40	9.99	0.13	-0.23	-0.10	0.841	0.736	0.629	0.551		
17-18	0.40	0.63	0.40	9.99	0.07	-0.23	-0.16	0.736	0.674	0.592	0.526		
18-19	0.40	0.60	0.39	9.99	0.10	-0.21	-0.11	0.455	0.441	0.409	0.372		
19-20	0.39	0.60	0.38	9.99	0.0	-0.21	-0.21	0.006	0.007	0.007	0.007		
20-21	0.40	0.60	0.40	9.99	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
21-22	0.39	0.58	0.39	9.99	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
22-23	0.39	0.56	0.39	9.99	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
23-24	0.38	0.56	0.39	9.99	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
TOTAL	9.73	14.40	9.54	99.99	2.82	-4.67	-1.85						

SHORTWAVE RADIATION (MJ/M**2)												
MAR. 12												
HOUR	GLOBAL(SURFACE)				REFLECTED(SURFACE)				GLOBAL(30M)		REFLECTED(30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.0	0.0	0.00	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.11	0.09	0.04	0.05	0.0	0.0	0.0	0.0	0.04	0.0	0.01	0.0
6- 7	0.33	0.27	0.22	0.22	0.20	0.16	0.12	0.11	0.25	0.12	0.21	0.10
7- 8	0.65	0.50	0.43	0.38	0.50	0.39	0.29	0.25	0.65	0.31	0.49	0.24
8- 9	0.99	0.75	0.61	0.56	0.77	0.59	0.43	0.36	1.00	0.49	0.75	0.36
9-10	1.27	0.98	0.77	0.70	1.01	0.76	0.55	0.46	1.29	0.67	0.99	0.47
10-11	1.48	1.14	0.89	0.80	1.19	0.88	0.64	0.53	1.48	0.75	1.17	0.55
11-12	1.62	1.23	0.96	0.86	1.30	0.96	0.69	0.57	1.60	0.81	1.28	0.60
12-13	1.64	1.23	0.97	0.87	1.32	0.97	0.70	0.59	1.61	0.82	1.31	0.61
13-14	1.55	1.17	0.92	0.82	1.25	0.92	0.67	0.56	1.53	0.77	1.25	0.59
14-15	1.31	1.03	0.81	0.73	1.11	0.82	0.60	0.50	1.35	0.67	1.12	0.53
15-16	1.10	0.83	0.65	0.60	0.91	0.67	0.50	0.42	1.10	0.54	0.92	0.46
16-17	0.76	0.55	0.45	0.43	0.64	0.48	0.37	0.31	0.76	0.36	0.66	0.34
17-18	0.43	0.29	0.25	0.25	0.34	0.26	0.21	0.17	0.44	0.17	0.37	0.19
18-19	0.15	0.09	0.08	0.09	0.06	0.04	0.02	0.01	0.14	0.01	0.09	0.04
19-20	0.04	0.05	0.01	0.02	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
20-21	0.01	0.03	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0
21-22	0.02	0.02	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.02	0.04	0.00	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.01	0.04	0.01	0.02	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0
TOTAL	13.47	10.34	8.08	7.45	10.59	7.91	5.79	4.85	13.24	6.48	10.63	5.09

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
MAR. 12												
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0- 1	0.39	0.56	0.39	9.99	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0
1- 2	0.40	0.56	0.40	9.99	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0
2- 3	0.40	0.56	0.40	9.99	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
3- 4	0.40	0.56	0.40	9.99	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0
4- 5	0.40	0.55	0.39	9.99	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
5- 6	0.40	0.56	0.39	9.99	0.11	-0.16	-0.05	0.144	0.143	0.137	0.128	
6- 7	0.40	0.59	0.39	9.99	0.13	-0.18	-0.04	0.616	0.576	0.520	0.467	
7- 8	0.40	0.59	0.39	9.99	0.15	-0.19	-0.04	0.787	0.695	0.604	0.529	
8- 9	0.40	0.60	0.40	9.99	0.22	-0.20	0.02	0.878	0.752	0.639	0.557	
9-10	0.40	0.62	0.40	9.99	0.26	-0.22	0.04	0.944	0.794	0.667	0.580	
10-11	0.39	0.63	0.41	9.99	0.29	-0.24	0.05	0.984	0.821	0.686	0.595	
11-12	0.41	0.65	0.40	9.99	0.32	-0.25	0.08	0.990	0.822	0.685	0.592	
12-13	0.40	0.67	0.41	9.99	0.32	-0.26	0.06	0.993	0.823	0.684	0.591	
13-14	0.41	0.67	0.41	9.99	0.30	-0.26	0.04	0.986	0.819	0.681	0.590	
14-15	0.42	0.67	0.42	9.99	0.19	-0.26	-0.07	0.961	0.803	0.671	0.581	
15-16	0.42	0.67	0.43	9.99	0.20	-0.25	-0.06	0.900	0.762	0.640	0.555	
16-17	0.43	0.66	0.43	9.99	0.12	-0.23	-0.11	0.793	0.689	0.586	0.511	
17-18	0.43	0.65	0.43	9.99	0.09	-0.23	-0.14	0.676	0.613	0.537	0.475	
18-19	0.44	0.64	0.42	9.99	0.09	-0.21	-0.11	0.305	0.284	0.265	0.244	
19-20	0.43	0.63	0.42	9.99	0.04	-0.20	-0.16	0.0	0.0	0.0	0.0	
20-21	0.43	0.62	0.42	9.99	0.01	-0.19	-0.19	0.0	0.0	0.0	0.0	
21-22	0.43	0.62	0.42	9.99	0.02	-0.19	-0.17	0.0	0.0	0.0	0.0	
22-23	0.43	0.62	0.42	9.99	0.02	-0.18	-0.17	0.0	0.0	0.0	0.0	
23-24	0.43	0.61	0.42	9.99	0.01	-0.18	-0.18	0.0	0.0	0.0	0.0	
TOTAL	9.89	14.76	9.81	99.99	2.88	-4.87	-1.99					



SHORTWAVE RADIATION (MJ/MH*2)													
MAR. 13	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
HR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.01	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1-2	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2-3	0.00	0.05	0.01	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3-4	0.01	0.02	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4-5	0.01	0.04	0.01	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5-6	0.11	0.10	0.05	0.06	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	
6-7	0.33	0.26	0.21	0.20	0.17	0.12	0.08	0.08	0.24	0.11	0.19	0.08	
7-8	0.66	0.50	0.40	0.37	0.48	0.37	0.27	0.23	0.60	0.29	0.47	0.23	
8-9	0.97	0.71	0.56	0.50	0.73	0.55	0.40	0.34	0.93	0.44	0.71	0.34	
9-10	1.25	0.93	0.73	0.66	0.97	0.73	0.53	0.44	1.24	0.63	0.96	0.45	
10-11	1.45	1.09	0.85	0.77	1.15	0.85	0.61	0.51	1.43	0.72	1.14	0.52	
11-12	1.58	1.18	0.92	0.82	1.26	0.92	0.67	0.55	1.55	0.77	1.25	0.58	
12-13	1.60	1.20	0.94	0.84	1.29	0.95	0.68	0.57	1.58	0.79	1.28	0.59	
13-14	1.51	1.14	0.89	0.79	1.23	0.90	0.65	0.55	1.49	0.74	1.23	0.58	
14-15	1.32	0.99	0.78	0.70	1.09	0.80	0.58	0.49	1.31	0.64	1.09	0.52	
15-16	1.06	0.79	0.63	0.58	0.87	0.66	0.49	0.41	1.05	0.51	0.90	0.44	
16-17	0.72	0.53	0.43	0.41	0.61	0.47	0.35	0.30	0.73	0.35	0.65	0.33	
17-18	0.38	0.26	0.22	0.22	0.31	0.24	0.18	0.16	0.39	0.15	0.35	0.19	
18-19	0.10	0.06	0.05	0.05	0.07	0.05	0.03	0.03	0.09	0.00	0.09	0.04	
19-20	0.02	0.05	0.02	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	
20-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
21-22	0.01	0.03	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
22-23	0.01	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
23-24	0.01	0.01	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	13.12	10.03	7.71	7.27	10.22	7.62	5.53	4.65	12.68	6.13	10.32	4.90	

MAR. 13	LONGWAVE RADIATION (MJ/MH*2)				NET RADIATION (MJ/MH*2)			DIRECT RADIATION (KW/MH*2)			
HR	(SURFACE)		(30M)		SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD							
0-1	0.43	0.61	0.42	9.99	0.01	-0.18	-0.18	0.00	0.00	0.00	0.00
1-2	0.43	0.61	0.42	9.99	0.00	-0.18	-0.18	0.00	0.00	0.00	0.00
2-3	0.43	0.61	0.42	9.99	0.00	-0.18	-0.18	0.00	0.00	0.00	0.00
3-4	0.44	0.61	0.42	9.99	0.01	-0.17	-0.17	0.00	0.00	0.00	0.00
4-5	0.44	0.61	0.42	9.99	0.01	-0.17	-0.16	0.00	0.00	0.00	0.00
5-6	0.45	0.61	0.44	9.99	0.11	-0.16	-0.05	0.015	0.015	0.014	0.013
6-7	0.46	0.62	0.45	9.99	0.16	-0.16	-0.00	0.352	0.323	0.294	0.266
7-8	0.45	0.63	0.43	9.99	0.18	-0.18	-0.00	0.635	0.558	0.475	0.418
8-9	0.46	0.64	0.45	9.99	0.24	-0.18	0.06	0.710	0.608	0.510	0.443
9-10	0.44	0.66	0.44	9.99	0.28	-0.21	0.06	0.865	0.725	0.606	0.524
10-11	0.44	0.67	0.44	9.99	0.30	-0.22	0.08	0.921	0.763	0.637	0.550
11-12	0.44	0.68	0.43	9.99	0.32	-0.24	0.08	0.954	0.787	0.654	0.564
12-13	0.44	0.69	0.44	9.99	0.32	-0.25	0.07	0.960	0.791	0.658	0.568
13-14	0.44	0.69	0.44	9.99	0.29	-0.26	0.03	0.965	0.799	0.664	0.573
14-15	0.43	0.69	0.45	9.99	0.24	-0.26	-0.02	0.946	0.791	0.659	0.570
15-16	0.44	0.70	0.45	9.99	0.19	-0.26	-0.07	0.899	0.763	0.640	0.554
16-17	0.44	0.68	0.44	9.99	0.11	-0.24	-0.13	0.788	0.688	0.586	0.510
17-18	0.44	0.67	0.44	9.99	0.07	-0.23	-0.16	0.624	0.569	0.499	0.442
18-19	0.44	0.64	0.44	9.99	0.04	-0.20	-0.17	0.179	0.174	0.159	0.143
19-20	0.44	0.63	0.43	9.99	0.02	-0.19	-0.17	0.00	0.00	0.00	0.00
20-21	0.44	0.63	0.43	9.99	0.00	-0.19	-0.19	0.00	0.00	0.00	0.00
21-22	0.43	0.62	0.43	9.99	0.01	-0.18	-0.18	0.00	0.00	0.00	0.00
22-23	0.43	0.62	0.43	9.99	0.01	-0.19	-0.18	0.00	0.00	0.00	0.00
23-24	0.43	0.61	0.43	9.99	0.01	-0.19	-0.17	0.00	0.00	0.00	0.00
TOTAL	10.54	15.43	10.42	99.99	2.90	-4.89	-1.99				

SHORTWAVE RADIATION (MJ/M**2)													
MAR. 14													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.01	0.01	0.01	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.01	0.03	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.01*	0.01	0.00	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
3-4	0.01*	0.04	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.01*	0.01	0.01	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.06*	0.06	0.02	0.04	0.02	0.01	0.00	0.00	0.02	0.0	0.03	0.01	
6-7	0.30*	0.24	0.18	0.18	0.17	0.12	0.09	0.06	0.19	0.07	0.19	0.10	
7-8	0.70*	0.53	0.41	0.37	0.44	0.34	0.25	0.21	0.56	0.27	0.45	0.22	
8-9	1.03*	0.75	0.58	0.53	0.72	0.55	0.40	0.34	0.92	0.45	0.71	0.34	
9-10	1.22*	0.92	0.73	0.66	0.96	0.72	0.52	0.44	1.22	0.61	0.95	0.45	
10-11	1.41	1.08	0.84	0.75	1.15	0.85	0.61	0.51	1.41	0.71	1.13	0.53	
11-12	1.54	1.17	0.90	0.82	1.25	0.92	0.66	0.55	1.53	0.76	1.24	0.58	
12-13	1.46	1.09	0.85	0.76	1.19	0.87	0.62	0.52	1.44	0.70	1.19	0.55	
13-14	1.41	1.06	0.83	0.75	1.16	0.85	0.61	0.51	1.39	0.68	1.16	0.54	
14-15	1.19	0.89	0.69	0.63	0.99	0.72	0.52	0.43	1.17	0.57	0.99	0.46	
15-16	0.86	0.65	0.50	0.46	0.73	0.53	0.38	0.32	0.86	0.41	0.74	0.34	
16-17	0.72	0.53	0.42	0.40	0.60	0.45	0.34	0.28	0.72	0.34	0.62	0.31	
17-18	0.37	0.26	0.22	0.21	0.30	0.23	0.17	0.15	0.37	0.15	0.32	0.17	
18-19	0.06	0.04	0.03	0.03	0.05	0.03	0.02	0.02	0.06	0.0	0.06	0.02	
19-20	0.01	0.0	0.00	0.04	0.0	0.0	0.0	0.0	0.00	0.0	0.00	0.0	
20-21	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
22-23	0.0	0.0	0.00	0.02	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	12.38	9.37	7.23	6.74	9.71	7.19	5.21	4.36	11.86	5.71	9.79	4.59	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
MAR. 14													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.43	0.61	0.42	9.99	0.01	-0.18	-0.17	0.0	0.0	0.0	0.0		
1-2	0.42	0.60	0.42	9.99	0.01	-0.18	-0.17	0.0	0.0	0.0	0.0		
2-3	0.43	0.60	0.42	9.99	0.01	-0.17	-0.16	0.0	0.0	0.0	0.0		
3-4	0.43	0.60	0.42	9.99	0.01	-0.16	-0.16	0.0	0.0	0.0	0.0		
4-5	0.44	0.60	0.42	9.99	0.01	-0.16	-0.15	0.0	0.0	0.0	0.0		
5-6	0.44	0.60	0.42	9.99	0.04	-0.16	-0.12	0.004	0.003	0.003	0.003		
6-7	0.43	0.61	0.42	9.99	0.13	-0.17	-0.04	0.327	0.303	0.272	0.244		
7-8	0.42	0.61	0.42	9.99	0.26	-0.19	0.07	0.641	0.567	0.490	0.431		
8-9	0.43	0.64	0.43	9.99	0.31	-0.20	0.11	0.830	0.710	0.603	0.523		
9-10	0.43	0.66	0.44	9.99	0.25	-0.22	0.03	0.921	0.775	0.650	0.563		
10-11	0.44	0.68	0.45	9.99	0.26	-0.24	0.02	0.958	0.799	0.665	0.575		
11-12	0.44	0.69	0.45	9.99	0.30	-0.25	0.04	0.956	0.792	0.659	0.569		
12-13	0.46	0.70	0.47	9.99	0.27	-0.24	0.03	0.828	0.684	0.567	0.488		
13-14	0.49	0.70	0.49	9.99	0.25	-0.22	0.03	0.767	0.636	0.528	0.456		
14-15	0.48	0.71	0.49	9.99	0.20	-0.23	-0.03	0.722	0.603	0.502	0.433		
15-16	0.51	0.70	0.51	9.99	0.13	-0.20	-0.06	0.535	0.454	0.380	0.329		
16-17	0.51	0.70	0.52	9.99	0.12	-0.19	-0.07	0.585	0.513	0.436	0.380		
17-18	0.50	0.68	0.50	9.99	0.07	-0.18	-0.10	0.445	0.406	0.356	0.314		
18-19	0.49	0.66	0.50	9.99	0.01	-0.16	-0.15	0.055	0.053	0.049	0.044		
19-20	0.48	0.64	0.49	9.99	0.01	-0.16	-0.16	0.0	0.0	0.0	0.0		
20-21	0.50	0.64	0.50	9.99	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
21-22	0.55	0.64	0.55	9.99	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0		
22-23	0.53	0.64	0.52	9.99	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
23-24	0.51	0.63	0.51	9.99	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
TOTAL	11.20	15.53	11.17	99.99	2.66	-4.34	-1.67						

SHORTWAVE RADIATION (MJ/M**2)													
MAR. 15													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.00	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.01	0.01	0.00	0.00	0.01	0.00	0.0	0.0	0.01	0.0	0.01	0.0	
6-7	0.12	0.08	0.06	0.05	0.09	0.06	0.04	0.04	0.11	0.02	0.10	0.03	
7-8	0.34	0.26	0.20	0.18	0.28	0.20	0.14	0.12	0.34	0.14	0.28	0.11	
8-9	0.70	0.53	0.42	0.38	0.57	0.42	0.30	0.25	0.71	0.33	0.56	0.25	
9-10	1.15	0.88	0.70	0.63	0.93	0.69	0.50	0.42	1.17	0.58	0.92	0.43	
10-11	1.26	0.95	0.78	0.67	1.02	0.77	0.56	0.48	0.84	0.31	1.01	0.49	
11-12	1.50	1.12	0.87	0.78	1.21	0.88	0.64	0.53	1.48	0.73	1.20	0.56	
12-13	1.46	1.14	0.89	0.80	1.24	0.90	0.66	0.53	1.51	0.74	1.23	0.57	
13-14	1.37	1.08	0.84	0.76	1.17	0.86	0.62	0.52	1.41	0.70	1.18	0.55	
14-15	1.25	0.94	0.73	0.67	1.03	0.76	0.55	0.46	1.23	0.61	1.04	0.49	
15-16	0.94	0.74	0.58	0.54	0.82	0.61	0.45	0.38	0.98	0.47	0.84	0.40	
16-17	0.66	0.47	0.38	0.37	0.56	0.42	0.31	0.26	0.66	0.31	0.58	0.29	
17-18	0.36	0.24	0.20	0.20	0.28	0.22	0.17	0.14	0.36	0.12	0.31	0.17	
18-19	0.16	0.07	0.04	0.06	0.05	0.04	0.03	0.03	0.09	0.0	0.08	0.04	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	11.29	8.50	6.70	6.15	9.26	6.83	4.96	4.15	10.91	5.06	9.32	4.38	

LONGWAVE RADIATION (MJ/M**2)													
MAR. 15													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (Kw/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.55	0.63	0.56	9.99	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
1-2	0.55	0.64	0.56	9.99	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
2-3	0.60	0.64	0.62	9.99	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
3-4	0.61	0.64	0.62	9.99	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
4-5	0.52	0.64	0.52	9.99	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
5-6	0.61	0.64	0.62	9.99	0.01	-0.03	-0.02	0.0	0.0	0.0	0.0		
6-7	0.59	0.65	0.59	9.99	0.02	-0.06	-0.04	0.000	0.000	0.000	0.0		
7-8	0.55	0.66	0.55	9.99	0.06	-0.10	-0.04	0.048	0.041	0.034	0.030		
8-9	0.51	0.66	0.51	9.99	0.13	-0.16	-0.03	0.312	0.278	0.241	0.206		
9-10	0.45	0.68	0.46	9.99	0.22	-0.22	0.00	0.912	0.768	0.645	0.560		
10-11	0.44	0.67	0.45	9.99	0.24	-0.24	0.01	0.971	0.809	0.672	0.581		
11-12	0.45	0.70	0.47	9.99	0.29	-0.26	0.04	0.979	0.813	0.678	0.582		
12-13	0.46	0.71	0.46	9.99	0.23	-0.25	-0.03	0.983	0.816	0.680	0.586		
13-14	0.44	0.71	0.46	9.99	0.20	-0.27	-0.07	0.975	0.811	0.675	0.583		
14-15	0.44	0.70	0.46	9.99	0.22	-0.25	-0.03	0.950	0.796	0.666	0.576		
15-16	0.45	0.69	0.47	9.99	0.12	-0.24	-0.12	0.901	0.768	0.647	0.562		
16-17	0.45	0.67	0.47	9.99	0.10	-0.22	-0.12	0.776	0.682	0.584	0.511		
17-18	0.44	0.65	0.46	9.99	0.08	-0.21	-0.13	0.658	0.608	0.539	0.478		
18-19	0.45	0.63	0.46	9.99	0.11	-0.19	-0.08	0.266	0.260	0.244	0.222		
19-20	0.44	0.62	0.45	9.99	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
20-21	0.43	0.61	0.45	9.99	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
21-22	0.45	0.60	0.45	9.99	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
22-23	0.45	0.60	0.46	9.99	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
23-24	0.44	0.59	0.45	9.99	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
TOTAL	11.79	15.62	12.02	99.99	2.04	-3.83	-1.79						

SHORTWAVE RADIATION (MJ/M**2)												
MAR. 16	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.01	0.00	0.00	0.00	0.01	0.00	0.0	0.0	0.01	0.0	0.01	0.0
6-7	0.11	0.08	0.06	0.05	0.09	0.06	0.04	0.03	0.11	0.02	0.09	0.03
7-8	0.32*	0.25	0.19	0.16	0.25	0.18	0.12	0.11	0.29	0.11	0.25	0.10
8-9	0.64*	0.48	0.37	0.34	0.50	0.37	0.26	0.22	0.51	0.21	0.50	0.22
9-10	0.83*	0.64	0.49	0.44	0.67	0.49	0.34	0.28	0.63	0.25	0.67	0.29
10-11	1.19*	0.90	0.70	0.63	0.97	0.71	0.51	0.43	0.80	0.30	0.97	0.45
11-12	1.47*	1.10	0.86	0.79	1.18	0.87	0.63	0.52	0.94	0.36	1.18	0.56
12-13	1.51*	1.12	0.88	0.79	1.21	0.89	0.65	0.53	1.12	0.73	1.22	0.57
13-14	1.44*	1.06	0.83	0.75	1.15	0.85	0.62	0.51	1.37	0.84	1.16	0.55
14-15	1.27*	0.93	0.73	0.66	1.01	0.75	0.55	0.46	1.62	0.74	1.02	0.49
15-16	1.01*	0.72	0.57	0.54	0.80	0.60	0.44	0.37	1.56	0.61	0.82	0.40
16-17	0.70*	0.46	0.37	0.36	0.54	0.41	0.31	0.26	1.20	0.44	0.57	0.29
17-18	0.38*	0.22	0.18	0.18	0.26	0.20	0.15	0.14	0.80	0.24	0.29	0.16
18-19	0.24*	0.12	0.05	0.07	0.04	0.03	0.02	0.02	0.32	0.09	0.07	0.04
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	11.13	8.10	6.29	5.76	8.69	6.41	4.64	3.88	11.27	4.93	8.84	4.16

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
MAR. 16	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
HR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.44	0.59	0.45	9.99	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
1-2	0.45	0.59	0.46	9.99	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
2-3	0.48	0.60	0.49	9.99	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
3-4	0.44	0.59	0.45	9.99	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
4-5	0.45	0.59	0.47	9.99	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
5-6	0.47	0.59	0.50	9.99	0.00	-0.12	-0.12	0.0	0.0	0.0	0.0	
6-7	0.56	0.61	0.57	9.99	0.03	-0.05	-0.03	0.001	0.001	0.000	0.000	
7-8	0.61	0.63	0.63	9.99	0.07	-0.02	0.05	0.005	0.005	0.004	0.003	
8-9	0.58	0.64	0.61	9.99	0.13	-0.06	0.07	0.083	0.068	0.056	0.047	
9-10	0.59	0.66	0.63	9.99	0.16	-0.06	0.10	0.079	0.063	0.052	0.043	
10-11	0.48	0.67	0.56	9.99	0.22	-0.19	0.02	0.561	0.461	0.387	0.331	
11-12	0.43	0.68	0.50	9.99	0.29	-0.25	0.03	0.904	0.750	0.627	0.541	
12-13	0.43	0.69	0.50	9.99	0.30	-0.26	0.05	0.943	0.782	0.655	0.568	
13-14	0.42	0.70	0.49	9.99	0.29	-0.28	0.02	0.957	0.797	0.667	0.577	
14-15	0.43	0.70	0.49	9.99	0.26	-0.27	-0.01	0.943	0.794	0.667	0.579	
15-16	0.43	0.69	0.50	9.99	0.21	-0.25	-0.04	0.903	0.772	0.654	0.569	
16-17	0.43	0.69	0.48	9.99	0.15	-0.26	-0.10	0.796	0.701	0.604	0.530	
17-18	0.43	0.66	0.48	9.99	0.12	-0.23	-0.11	0.627	0.582	0.518	0.462	
18-19	0.42	0.65	0.47	9.99	0.20	-0.22	-0.02	0.219	0.213	0.201	0.185	
19-20	0.43	0.64	0.47	9.99	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	
20-21	0.45	0.65	0.46	9.99	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
21-22	0.46	0.65	0.46	9.99	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	
22-23	0.48	0.65	0.46	9.99	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
23-24	0.50	0.66	0.46	9.99	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
TOTAL	11.31	15.47	12.03	99.99	2.44	-4.16	-1.72					

SHORTWAVE RADIATION (MJ/M**2)												
MAR. 17	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HRUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.04	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.0	0.01	0.0
6-7	0.08	0.06	0.04	0.03	0.07	0.04	0.02	0.02	0.07	0.0	0.07	0.02
7-8	0.24	0.17	0.12	0.10	0.21	0.14	0.10	0.08	0.21	0.06	0.21	0.07
8-9	0.41	0.29	0.20	0.17	0.35	0.24	0.17	0.14	0.35	0.12	0.34	0.12
9-10	0.59	0.43	0.30	0.26	0.52	0.37	0.25	0.20	0.52	0.19	0.50	0.18
10-11	0.73	0.53	0.38	0.32	0.68	0.46	0.31	0.26	0.64	0.25	0.63	0.24
11-12	0.87	0.62	0.43	0.36	0.76	0.51	0.35	0.29	0.70	0.29	0.71	0.26
12-13	0.87	0.62	0.44	0.36	0.77	0.52	0.36	0.29	0.70	0.30	0.73	0.27
13-14	0.73	0.55	0.38	0.32	0.70	0.47	0.32	0.26	0.62	0.25	0.66	0.24
14-15	0.70	0.50	0.36	0.30	0.62	0.42	0.29	0.24	0.55	0.24	0.59	0.22
15-16	0.54	0.39	0.28	0.24	0.47	0.32	0.22	0.19	0.43	0.19	0.45	0.17
16-17	0.36	0.26	0.19	0.16	0.31	0.21	0.15	0.12	0.28	0.11	0.30	0.11
17-18	0.24	0.19	0.14	0.13	0.20	0.15	0.11	0.10	0.21	0.08	0.20	0.09
18-19	0.22	0.14	0.07	0.09	0.04	0.03	0.03	0.03	0.06	0.0	0.05	0.02
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	6.63	4.73	3.34	2.84	5.70	3.88	2.67	2.21	5.34	2.08	5.47	2.01

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
MAR. 17	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
HRUR	(SURFACE)		(30M)		SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD								
0-1	0.52	0.65	0.48	0.99	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
1-2	0.56	0.66	0.51	0.99	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
2-3	0.63	0.68	0.60	0.99	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
3-4	0.70	0.71	0.70	0.99	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
4-5	0.73	0.72	0.73	0.99	0.0	0.01	0.01	0.0	0.0	0.0	0.0	
5-6	0.76	0.75	0.76	0.99	0.04	0.01	0.06	0.0	0.0	0.0	0.0	
6-7	0.76	0.76	0.77	0.99	0.01	0.01	0.02	0.0	0.0	0.0	0.0	
7-8	0.77	0.77	0.77	0.99	0.04	-0.00	0.04	0.0	0.0	0.0	0.0	
8-9	0.77	0.77	0.78	0.99	0.06	0.00	0.06	0.0	0.0	0.0	0.0	
9-10	0.77	0.76	0.78	0.99	0.07	0.01	0.08	0.0	0.0	0.0	0.0	
10-11	0.78	0.77	0.78	0.99	0.05	0.01	0.06	0.0	0.0	0.0	0.0	
11-12	0.78	0.78	0.79	0.99	0.11	0.00	0.11	0.0	0.0	0.0	0.0	
12-13	0.78	0.80	0.79	0.99	0.10	-0.01	0.08	0.0	0.0	0.0	0.0	
13-14	0.79	0.79	0.80	0.99	0.03	-0.00	0.03	0.0	0.0	0.0	0.0	
14-15	0.79	0.80	0.80	0.99	0.09	0.01	0.08	0.0	0.0	0.0	0.0	
15-16	0.79	0.79	0.78	0.99	0.07	-0.00	0.07	0.0	0.0	0.0	0.0	
16-17	0.78	0.79	0.78	0.99	0.05	-0.01	0.04	0.0	0.0	0.0	0.0	
17-18	0.72	0.77	0.72	0.99	0.04	-0.04	-0.00	0.0	0.0	0.0	0.0	
18-19	0.68	0.75	0.69	0.99	0.18	-0.07	0.11	0.0	0.0	0.0	0.0	
19-20	0.71	0.75	0.71	0.99	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
20-21	0.76	0.76	0.76	0.99	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
21-22	0.77	0.77	0.77	0.99	0.0	0.00	0.00	0.0	0.0	0.0	0.0	
22-23	0.75	0.77	0.75	0.99	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	
23-24	0.78	0.78	0.78	0.99	0.0	0.00	0.00	0.0	0.0	0.0	0.0	
TOTAL	17.63	18.07	17.57	99.99	0.93	-0.44	0.49					

SHORTWAVE RADIATION (MJ/M**2)												
MAR. 18												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
6-7	0.06	0.04	0.02	0.01	0.05	0.03	0.01	0.01	0.05	0.0	0.06	0.01
7-8	0.20	0.14	0.09	0.08	0.18	0.11	0.07	0.06	0.18	0.04	0.18	0.05
8-9	0.40	0.28	0.20	0.16	0.35	0.22	0.15	0.13	0.36	0.12	0.34	0.12
9-10	0.51	0.35	0.24	0.20	0.44	0.29	0.19	0.16	0.47	0.16	0.43	0.15
10-11	0.70	0.49	0.34	0.28	0.61	0.40	0.27	0.22	0.66	0.24	0.59	0.21
11-12	0.88	0.63	0.45	0.38	0.75	0.51	0.35	0.28	0.83	0.33	0.73	0.27
12-13	1.01	0.73	0.53	0.45	0.86	0.59	0.40	0.33	0.96	0.41	0.84	0.32
13-14	0.90	0.66	0.48	0.41	0.76	0.52	0.36	0.29	0.87	0.37	0.74	0.29
14-15	0.72	0.52	0.38	0.32	0.61	0.42	0.29	0.23	0.70	0.28	0.60	0.23
15-16	0.55	0.40	0.30	0.25	0.46	0.32	0.22	0.18	0.54	0.21	0.46	0.17
16-17	0.31	0.22	0.16	0.14	0.26	0.18	0.12	0.10	0.30	0.10	0.26	0.10
17-18	0.15	0.11	0.08	0.06	0.12	0.08	0.05	0.05	0.14	0.03	0.13	0.04
18-19	0.03	0.01	0.01	0.00	0.01	0.01	0.00	0.00	0.02	0.0	0.02	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	6.43	4.59	3.27	2.75	5.45	3.66	2.48	2.04	6.08	2.30	5.37	1.96

LONGWAVE RADIATION (MJ/M**2)												
MAR. 18												
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.76	0.78	0.76	9.99	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	
1-2	0.79	0.79	0.80	9.99	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
2-3	0.80	0.80	0.80	9.99	0.0	0.00	0.00	0.0	0.0	0.0	0.0	
3-4	0.79	0.79	0.79	9.99	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	
4-5	0.79	0.80	0.79	9.99	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	
5-6	0.79	0.80	0.79	9.99	0.01	-0.01	-0.00	0.0	0.0	0.0	0.0	
6-7	0.80	0.81	0.79	9.99	0.01	-0.01	0.00	0.0	0.0	0.0	0.0	
7-8	0.81	0.81	0.81	9.99	0.03	-0.00	0.03	0.0	0.0	0.0	0.0	
8-9	0.81	0.82	0.81	9.99	0.06	-0.01	0.05	0.0	0.0	0.0	0.0	
9-10	0.82	0.82	0.81	9.99	0.07	-0.01	0.06	0.0	0.0	0.0	0.0	
10-11	0.82	0.83	0.81	9.99	0.10	-0.01	0.08	0.0	0.0	0.0	0.0	
11-12	0.80	0.84	0.79	9.99	0.13	-0.04	0.09	0.0	0.0	0.0	0.0	
12-13	0.80	0.84	0.80	9.99	0.15	-0.04	0.11	0.005	0.004	0.002	0.001	
13-14	0.78	0.84	0.77	9.99	0.14	-0.06	0.08	0.012	0.010	0.007	0.006	
14-15	0.78	0.83	0.77	9.99	0.11	-0.05	0.06	0.006	0.004	0.003	0.002	
15-16	0.77	0.83	0.77	9.99	0.09	-0.05	0.03	0.004	0.003	0.002	0.002	
16-17	0.75	0.81	0.75	9.99	0.05	-0.06	-0.01	0.0	0.0	0.0	0.0	
17-18	0.80	0.82	0.80	9.99	0.03	-0.02	0.01	0.0	0.0	0.0	0.0	
18-19	0.79	0.82	0.78	9.99	0.02	-0.03	-0.01	0.0	0.0	0.0	0.0	
19-20	0.79	0.81	0.78	9.99	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	
20-21	0.79	0.81	0.79	9.99	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	
21-22	0.80	0.81	0.80	9.99	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
22-23	0.79	0.80	0.79	9.99	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	
23-24	0.76	0.80	0.76	9.99	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	
TOTAL	18.97	19.50	18.91	99.99	0.98	-0.53	0.45					

MAR. 19		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
6-7	0.08	0.05	0.04	0.03	0.06	0.04	0.02	0.02	0.07	0.0	0.07	0.02	
7-8	0.22*	0.15	0.11	0.09	0.19	0.13	0.09	0.07	0.20	0.05	0.19	0.06	
8-9	0.42*	0.30	0.21	0.17	0.37	0.25	0.17	0.14	0.39	0.13	0.36	0.13	
9-10	0.73*	0.55	0.41	0.35	0.64	0.46	0.33	0.28	0.68	0.31	0.62	0.26	
10-11	0.90*	0.68	0.51	0.46	0.78	0.56	0.41	0.35	0.89	0.42	0.78	0.35	
11-12	1.05*	0.79	0.60	0.54	0.91	0.66	0.48	0.41	0.68	0.43	0.90	0.41	
12-13	0.90	0.66	0.48	0.41	0.79	0.55	0.39	0.32	0.90	0.38	0.76	0.30	
13-14	0.83	0.59	0.42	0.36	0.73	0.51	0.34	0.29	0.83	0.32	0.70	0.26	
14-15	0.70	0.51	0.37	0.31	0.61	0.43	0.29	0.25	0.70	0.28	0.59	0.23	
15-16	0.53	0.39	0.29	0.24	0.46	0.32	0.23	0.19	0.54	0.21	0.45	0.18	
16-17	0.33	0.23	0.18	0.15	0.28	0.19	0.13	0.11	0.32	0.11	0.28	0.10	
17-18	0.12	0.08	0.06	0.05	0.10	0.06	0.04	0.04	0.11	0.02	0.10	0.03	
18-19	0.01	0.00	0.00	0.00	0.01	0.00	0.0	0.0	0.01	0.0	0.02	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	6.84	4.98	3.68	3.17	5.93	4.15	2.93	2.47	6.33	2.66	5.83	2.33	

MAR. 19		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE						
0-1	0.79	0.80	0.79	9.99	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0
1-2	0.80	0.80	0.80	9.99	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0
2-3	0.81	0.80	0.80	9.99	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0
3-4	0.79	0.80	0.79	9.99	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0
4-5	0.81	0.81	0.80	9.99	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0
5-6	0.80	0.81	0.79	9.99	0.02	-0.01	0.01	0.0	0.0	0.0	0.0	0.0
6-7	0.77	0.79	0.78	9.99	0.01	-0.02	-0.00	0.0	0.0	0.0	0.0	0.0
7-8	0.77	0.78	0.77	9.99	0.03	-0.01	0.02	0.0	0.0	0.0	0.0	0.0
8-9	0.77	0.78	0.77	9.99	0.05	-0.01	0.04	0.0	0.0	0.0	0.0	0.0
9-10	0.72	0.79	0.72	9.99	0.09	-0.07	0.03	0.013	0.010	0.009	0.007	0.007
10-11	0.60	0.76	0.60	9.99	0.12	-0.16	-0.04	0.182	0.152	0.126	0.110	0.110
11-12	0.60	0.76	0.66	9.99	0.14	-0.16	-0.02	0.188	0.155	0.128	0.108	0.108
12-13	0.75	0.79	0.75	9.99	0.12	-0.04	0.07	0.003	0.002	0.001	0.001	0.001
13-14	0.79	0.81	0.78	9.99	0.10	-0.03	0.07	0.0	0.0	0.0	0.0	0.0
14-15	0.77	0.82	0.77	9.99	0.09	-0.04	0.04	0.0	0.0	0.0	0.0	0.0
15-16	0.78	0.82	0.77	9.99	0.07	-0.04	0.03	0.0	0.0	0.0	0.0	0.0
16-17	0.78	0.82	0.78	9.99	0.05	-0.03	0.02	0.0	0.0	0.0	0.0	0.0
17-18	0.80	0.82	0.79	9.99	0.02	-0.02	-0.00	0.0	0.0	0.0	0.0	0.0
18-19	0.82	0.82	0.81	9.99	0.00	0.00	0.01	0.0	0.0	0.0	0.0	0.0
19-20	0.82	0.82	0.81	9.99	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	0.0
20-21	0.79	0.80	0.78	9.99	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0
21-22	0.78	0.79	0.77	9.99	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0
22-23	0.76	0.79	0.77	9.99	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0
23-24	0.73	0.77	0.73	9.99	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0
TOTAL	18.40	19.14	18.38	99.99	0.91	-0.73	0.17					

MAR. 20		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
6-7	0.06	0.03	0.03	0.02	0.05	0.03	0.02	0.01	0.05	0.0	0.05	0.01	
7-8	0.25	0.19	0.15	0.13	0.22	0.16	0.12	0.10	0.25	0.09	0.22	0.09	
8-9	0.48	0.36	0.28	0.24	0.43	0.31	0.22	0.19	0.48	0.20	0.41	0.18	
9-10	0.54	0.41	0.31	0.27	0.48	0.34	0.24	0.21	0.58	0.23	0.48	0.20	
10-11	1.07	0.83	0.64	0.58	0.94	0.68	0.52	0.43	1.16	0.53	0.95	0.46	
11-12	1.33	1.02	0.80	0.72	1.14	0.85	0.64	0.54	1.33	0.67	1.16	0.57	
12-13	1.34	1.00	0.79	0.72	1.15	0.85	0.64	0.54	1.34	0.66	1.20	0.59	
13-14	1.23	0.91	0.72	0.66	1.06	0.80	0.60	0.51	1.22	0.59	1.11	0.55	
14-15	1.08	0.81	0.64	0.59	0.93	0.71	0.53	0.45	1.06	0.51	0.97	0.49	
15-16	0.81	0.61	0.49	0.46	0.71	0.54	0.41	0.35	0.81	0.38	0.75	0.39	
16-17	0.35	0.24	0.20	0.18	0.30	0.22	0.16	0.14	0.34	0.13	0.32	0.15	
17-18	0.21	0.14	0.12	0.12	0.16	0.12	0.09	0.08	0.19	0.05	0.18	0.10	
18-19	0.02	0.01	0.01	0.00	0.01	0.01	0.0	0.00	0.01	0.0	0.02	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	8.77	6.56	5.15	4.68	7.58	5.61	4.18	3.56	8.81	4.03	7.81	3.79	

MAR. 20		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD								
0-1	0.72	0.75	0.73	9.99	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	
1-2	0.72	0.74	0.73	9.99	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	
2-3	0.74	0.75	0.75	9.99	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	
3-4	0.71	0.74	0.73	9.99	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
4-5	0.60	0.70	0.64	9.99	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
5-6	0.67	0.71	0.70	9.99	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
6-7	0.67	0.71	0.69	9.99	0.01	-0.05	-0.04	0.0	0.0	0.0	0.0	
7-8	0.69	0.72	0.70	9.99	0.03	-0.03	0.00	0.003	0.001	0.001	0.000	
8-9	0.69	0.74	0.70	9.99	0.06	-0.05	0.01	0.005	0.001	0.001	0.000	
9-10	0.62	0.72	0.61	9.99	0.06	-0.10	-0.04	0.103	0.085	0.056	0.048	
10-11	0.47	0.68	0.47	9.99	0.13	-0.22	-0.08	0.654	0.542	0.425	0.365	
11-12	0.49	0.71	0.50	9.99	0.19	-0.22	-0.03	0.619	0.505	0.416	0.351	
12-13	0.43	0.67	0.44	9.99	0.19	-0.25	-0.06	0.927	0.769	0.644	0.554	
13-14	0.44	0.67	0.48	9.99	0.17	-0.23	-0.06	0.854	0.712	0.598	0.520	
14-15	0.46	0.68	0.46	9.99	0.14	-0.22	-0.07	0.691	0.575	0.484	0.419	
15-16	0.48	0.67	0.50	9.99	0.11	-0.19	-0.09	0.600	0.518	0.442	0.387	
16-17	0.47	0.63	0.48	9.99	0.04	-0.16	-0.12	0.175	0.150	0.126	0.108	
17-18	0.47	0.62	0.48	9.99	0.05	-0.15	-0.10	0.205	0.195	0.179	0.163	
18-19	0.44	0.59	0.44	9.99	0.01	-0.16	-0.14	0.0	0.0	0.0	0.0	
19-20	0.42	0.57	0.43	0.64	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
20-21	0.43	0.57	0.41	0.62	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
21-22	0.45	0.56	0.42	0.61	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
22-23	0.55	0.59	0.51	0.63	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
23-24	0.51	0.57	0.53	0.62	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	
TOTAL	13.32	16.07	13.50	99.99	1.20	-2.75	-1.56					



SHORTWAVE RADIATION (MJ/M**2)												
MAR. 21												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.20*	0.16	0.13	0.14	0.07	0.05	0.04	0.04	0.25	0.13	0.09	0.04
7-8	0.35*	0.28	0.24	0.22	0.25	0.20	0.16	0.13	0.42	0.19	0.28	0.13
8-9	0.50*	0.39	0.31	0.28	0.44	0.34	0.25	0.22	0.58	0.25	0.46	0.21
9-10	0.71*	0.56	0.47	0.40	0.63	0.49	0.37	0.32	0.89	0.45	0.68	0.31
10-11	0.84*	0.62	0.49	0.42	0.70	0.52	0.38	0.33	0.89	0.44	0.71	0.31
11-12	0.97	0.73	0.55	0.48	0.84	0.61	0.44	0.37	0.99	0.45	0.76	0.34
12-13	0.84	0.62	0.46	0.41	0.73	0.52	0.37	0.31	0.86	0.38	0.67	0.31
13-14	0.97	0.73	0.55	0.48	0.84	0.61	0.44	0.37	0.97	0.44	0.77	0.36
14-15	0.58	0.42	0.31	0.26	0.50	0.35	0.25	0.21	0.56	0.23	0.45	0.20
15-16	0.48	0.35	0.26	0.22	0.42	0.30	0.21	0.18	0.46	0.19	0.39	0.17
16-17	0.29	0.21	0.16	0.14	0.25	0.17	0.13	0.11	0.27	0.10	0.23	0.10
17-18	0.11	0.08	0.06	0.05	0.09	0.06	0.04	0.04	0.10	0.02	0.09	0.03
18-19	0.01	0.00	0.00	0.0	0.00	0.0	0.0	0.0	0.01	0.0	0.01	0.0
19-20	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	6.86	5.14	4.00	3.51	5.76	4.21	3.08	2.61	7.25	3.28	5.58	2.50

LONGWAVE RADIATION (MJ/M**2)												
MAR. 21												
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.52	0.57	0.56	0.63	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0
1-2	0.47	0.54	0.56	0.62	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0
2-3	0.46	0.53	0.57	0.63	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0
3-4	0.46	0.53	0.59	0.65	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0
4-5	0.48	0.54	0.61	0.67	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0
5-6	0.49	0.55	0.62	0.68	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0
6-7	0.50	0.56	0.63	0.68	0.14	-0.06	0.07	0.201	0.015	0.013	0.012	
7-8	0.56	0.60	0.67	0.70	0.10	-0.04	0.05	0.165	0.012	0.009	0.008	
8-9	0.59	0.65	0.65	0.71	0.06	-0.06	0.00	0.159	0.012	0.009	0.009	
9-10	0.59	0.66	0.57	0.72	0.08	-0.07	0.01	0.261	0.026	0.028	0.027	
10-11	0.65	0.71	0.62	0.72	0.14	-0.05	0.08	0.089	0.028	0.027	0.026	
11-12	0.66	0.71	0.65	0.73	0.13	-0.05	0.08	0.075	0.061	0.050	0.043	
12-13	0.65	0.71	0.64	0.74	0.11	-0.06	0.05	0.053	0.043	0.035	0.029	
13-14	0.67	0.73	0.66	0.76	0.13	-0.06	0.07	0.050	0.041	0.033	0.028	
14-15	0.68	0.73	0.68	0.75	0.08	-0.04	0.03	0.002	0.001	0.001	0.001	
15-16	0.72	0.73	0.72	0.76	0.06	-0.01	0.05	0.0	0.0	0.0	0.0	
16-17	0.73	0.73	0.72	0.75	0.04	-0.01	0.04	0.0	0.0	0.0	0.0	
17-18	0.73	0.73	0.73	0.74	0.02	0.00	0.03	0.0	0.0	0.0	0.0	
18-19	0.73	0.72	0.73	0.73	0.00	0.02	0.02	0.0	0.0	0.0	0.0	
19-20	0.71	0.71	0.71	0.73	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
20-21	0.53	0.63	0.53	0.67	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
21-22	0.59	0.64	0.60	0.68	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
22-23	0.58	0.64	0.61	0.68	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	
23-24	0.60	0.64	0.63	0.68	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	
TOTAL	14.37	15.49	15.25	16.81	1.09	-1.13	-0.04					

SHORTWAVE RADIATION (MJ/M**2)												
MAR. 22	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.04	0.03	0.02	0.01	0.04	0.02	0.01	0.01	0.04	0.0	0.04	0.01
7-8	0.19	0.14	0.10	0.09	0.16	0.11	0.08	0.07	0.19	0.05	0.16	0.06
8-9	0.40	0.29	0.22	0.19	0.34	0.24	0.17	0.14	0.39	0.15	0.32	0.13
9-10	0.56	0.40	0.30	0.24	0.48	0.33	0.23	0.19	0.55	0.22	0.45	0.17
10-11	0.71	0.51	0.38	0.31	0.60	0.42	0.28	0.24	0.70	0.29	0.58	0.22
11-12	0.79	0.58	0.43	0.36	0.67	0.47	0.32	0.27	0.79	0.32	0.66	0.26
12-13	0.85	0.63	0.46	0.39	0.73	0.51	0.35	0.29	0.85	0.36	0.71	0.28
13-14	0.79	0.57	0.42	0.36	0.66	0.47	0.32	0.27	0.78	0.33	0.65	0.26
14-15	0.64	0.47	0.35	0.30	0.54	0.37	0.26	0.22	0.63	0.26	0.53	0.21
15-16	0.46	0.34	0.25	0.22	0.39	0.28	0.19	0.16	0.46	0.18	0.39	0.15
16-17	0.26	0.18	0.14	0.11	0.21	0.15	0.10	0.09	0.25	0.08	0.22	0.08
17-18	0.09	0.06	0.05	0.04	0.07	0.05	0.03	0.03	0.09	0.01	0.08	0.02
18-19	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.00	0.0	0.01	0.0
19-20	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
20-21	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	5.79	4.20	3.11	2.69	4.89	3.41	2.32	1.96	5.74	2.25	4.81	1.86

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
MAR. 22	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
HR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.60	0.64	0.64	0.67	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
1-2	0.62	0.63	0.64	0.66	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	
2-3	0.63	0.64	0.63	0.65	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	
3-4	0.65	0.63	0.64	0.63	0.0	0.02	0.02	0.0	0.0	0.0	0.0	
4-5	0.67	0.64	0.66	0.64	0.0	0.03	0.03	0.0	0.0	0.0	0.0	
5-6	0.69	0.65	0.69	0.65	0.0	0.04	0.04	0.0	0.0	0.0	0.0	
6-7	0.69	0.66	0.69	0.66	0.01	0.03	0.04	0.0	0.0	0.0	0.0	
7-8	0.69	0.67	0.68	0.67	0.03	0.02	0.05	0.0	0.0	0.0	0.0	
8-9	0.69	0.68	0.68	0.68	0.06	0.01	0.07	0.000	0.0	0.0	0.0	
9-10	0.69	0.70	0.67	0.70	0.07	-0.01	0.06	0.0	0.0	0.0	0.0	
10-11	0.69	0.71	0.68	0.71	0.11	-0.01	0.10	0.003	0.004	0.004	0.0	
11-12	0.70	0.72	0.69	0.72	0.13	-0.01	0.11	0.007	0.0	0.0	0.0	
12-13	0.71	0.72	0.69	0.72	0.13	-0.02	0.11	0.007	0.006	0.002	0.000	
13-14	0.72	0.73	0.70	0.73	0.13	-0.01	0.11	0.005	0.005	0.003	0.001	
14-15	0.72	0.74	0.71	0.74	0.10	-0.02	0.09	0.002	0.001	0.0	0.0	
15-16	0.72	0.74	0.71	0.74	0.07	-0.02	0.05	0.0	0.0	0.0	0.0	
16-17	0.72	0.74	0.71	0.74	0.04	-0.01	0.03	0.0	0.0	0.0	0.0	
17-18	0.72	0.74	0.71	0.74	0.02	-0.02	0.00	0.0	0.0	0.0	0.0	
18-19	0.71	0.73	0.70	0.74	0.00	-0.03	-0.02	0.0	0.0	0.0	0.0	
19-20	0.71	0.73	0.69	0.74	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	
20-21	0.77	0.75	0.76	0.75	0.0	0.02	0.02	0.0	0.0	0.0	0.0	
21-22	0.75	0.75	0.74	0.75	0.0	0.00	0.00	0.0	0.0	0.0	0.0	
22-23	0.75	0.75	0.73	0.75	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
23-24	0.75	0.75	0.73	0.75	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
TOTAL	16.76	16.82	16.60	16.93	0.90	-0.06	0.84					

SHORTWAVE RADIATION (MJ/M**2)													
MAR. 23													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
5-6	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.03	0.02	0.02	0.01	0.03	0.02	0.01	0.01	0.04	0.0	0.04	0.01	
7-8	0.18	0.13	0.10	0.07	0.15	0.10	0.07	0.06	0.18	0.05	0.16	0.05	
8-9	0.40	0.30	0.22	0.19	0.34	0.24	0.16	0.14	0.41	0.16	0.34	0.13	
9-10	0.72	0.54	0.41	0.36	0.60	0.44	0.31	0.26	0.73	0.33	0.61	0.26	
10-11	0.75	0.56	0.41	0.35	0.63	0.44	0.31	0.26	0.76	0.32	0.63	0.26	
11-12	0.78	0.57	0.41	0.35	0.65	0.45	0.31	0.25	0.78	0.32	0.65	0.25	
12-13	0.82	0.59	0.43	0.37	0.69	0.48	0.32	0.27	0.82	0.33	0.69	0.26	
13-14	0.76	0.55	0.40	0.34	0.65	0.45	0.31	0.26	0.76	0.31	0.64	0.25	
14-15	0.66	0.49	0.36	0.31	0.57	0.40	0.28	0.24	0.67	0.27	0.56	0.22	
15-16	0.42	0.30	0.22	0.19	0.35	0.24	0.16	0.14	0.41	0.16	0.35	0.13	
16-17	0.25	0.18	0.14	0.11	0.21	0.14	0.10	0.09	0.25	0.08	0.21	0.08	
17-18	0.10	0.07	0.05	0.05	0.08	0.05	0.04	0.03	0.09	0.01	0.08	0.03	
18-19	0.01	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.00	0.0	0.00	0.0	
19-20	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
20-21	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	5.88	4.31	3.17	2.85	4.94	3.44	2.38	2.01	5.90	2.34	4.98	1.92	

LDNGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
MAR. 23													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(305)	(530)	(630)	(695)		
0-1	0.76	0.75	0.75	0.76	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
1-2	0.76	0.75	0.74	0.75	0.0	0.00	0.00	0.0	0.0	0.0	0.0		
2-3	0.75	0.75	0.74	0.75	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
3-4	0.72	0.75	0.70	0.76	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
4-5	0.73	0.75	0.72	0.75	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
5-6	0.71	0.74	0.69	0.75	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
6-7	0.71	0.74	0.70	0.75	0.01	-0.03	-0.02	0.0	0.0	0.0	0.0		
7-8	0.75	0.75	0.73	0.75	0.03	-0.00	0.03	0.0	0.0	0.0	0.0		
8-9	0.73	0.76	0.71	0.76	0.07	-0.03	0.04	0.004	0.003	0.003	0.002		
9-10	0.66	0.76	0.64	0.77	0.12	-0.10	0.02	0.089	0.075	0.062	0.052		
10-11	0.69	0.76	0.68	0.77	0.12	-0.07	0.05	0.036	0.028	0.023	0.018		
11-12	0.75	0.77	0.73	0.78	0.13	-0.02	0.10	0.004	0.002	0.001	0.001		
12-13	0.75	0.78	0.74	0.78	0.13	-0.02	0.11	0.002	0.001	0.000	0.0		
13-14	0.75	0.78	0.74	0.79	0.11	-0.03	0.08	0.006	0.004	0.003	0.002		
14-15	0.72	0.78	0.71	0.79	0.10	-0.06	0.04	0.014	0.011	0.008	0.007		
15-16	0.71	0.77	0.69	0.78	0.07	-0.06	0.01	0.001	0.001	0.000	0.000		
16-17	0.72	0.77	0.71	0.78	0.04	-0.05	-0.01	0.0	0.0	0.0	0.0		
17-18	0.71	0.77	0.70	0.77	0.02	-0.06	-0.04	0.0	0.0	0.0	0.0		
18-19	0.73	0.76	0.72	0.77	0.01	-0.03	-0.02	0.0	0.0	0.0	0.0		
19-20	0.72	0.76	0.71	0.76	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
20-21	0.72	0.76	0.71	0.76	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
21-22	0.70	0.75	0.69	0.76	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
22-23	0.63	0.74	0.61	0.75	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
23-24	0.57	0.72	0.54	0.74	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
TOTAL	17.18	18.18	16.79	18.33	0.94	-1.00	-0.06						

SHORTWAVE RADIATION (MJ/M**2)													
MAR. 24													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.07	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.03	0.0	0.03	0.0	0.00
7-8	0.19	0.14	0.11	0.09	0.15	0.10	0.07	0.06	0.18	0.05	0.16	0.05	0.05
8-9	0.45	0.34	0.26	0.23	0.30	0.21	0.15	0.13	0.42	0.18	0.36	0.16	0.16
9-10	0.52	0.39	0.29	0.26	0.42	0.30	0.20	0.18	0.52	0.22	0.44	0.17	0.17
10-11	0.78	0.58	0.43	0.38	0.65	0.46	0.33	0.27	0.78	0.34	0.64	0.25	0.25
11-12	0.86	0.64	0.48	0.41	0.72	0.51	0.36	0.30	0.86	0.38	0.70	0.28	0.28
12-13	0.91	0.68	0.51	0.44	0.76	0.54	0.38	0.32	0.91	0.40	0.75	0.30	0.30
13-14	0.93	0.71	0.54	0.48	0.77	0.55	0.40	0.33	0.93	0.43	0.79	0.35	0.35
14-15	0.62	0.46	0.34	0.29	0.51	0.36	0.25	0.21	0.62	0.26	0.51	0.20	0.20
15-16	0.36	0.25	0.18	0.15	0.30	0.20	0.14	0.11	0.35	0.12	0.30	0.10	0.10
16-17	0.20	0.14	0.10	0.08	0.16	0.11	0.07	0.06	0.19	0.05	0.17	0.05	0.05
17-18	0.05	0.03	0.02	0.01	0.04	0.02	0.01	0.01	0.05	0.0	0.05	0.01	0.01
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	5.93	4.39	3.27	2.90	4.81	3.37	2.37	1.99	5.85	2.43	4.88	1.92	1.92

LONGWAVE RADIATION (MJ/M**2)													
MAR. 24													
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.54	0.71	0.52	0.74	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.61	0.72	0.59	0.74	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.59	0.72	0.57	0.75	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.65	0.73	0.64	0.75	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.68	0.73	0.66	0.75	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.62	0.72	0.60	0.75	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.55	0.71	0.53	0.74	0.04	-0.16	-0.11	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.60	0.72	0.59	0.75	0.04	-0.11	-0.07	0.006	0.006	0.004	0.004	0.004	0.004
8-9	0.52	0.72	0.50	0.75	0.15	-0.20	-0.05	0.241	0.209	0.178	0.178	0.153	0.153
9-10	0.59	0.74	0.57	0.75	0.10	-0.15	-0.05	0.061	0.050	0.041	0.041	0.034	0.034
10-11	0.70	0.76	0.69	0.77	0.13	-0.06	0.08	0.001	0.001	0.000	0.000	0.000	0.000
11-12	0.71	0.76	0.70	0.77	0.13	-0.05	0.08	0.003	0.001	0.001	0.001	0.000	0.000
12-13	0.72	0.77	0.70	0.77	0.15	-0.05	0.10	0.005	0.003	0.002	0.002	0.002	0.002
13-14	0.63	0.76	0.62	0.77	0.16	-0.13	0.04	0.151	0.119	0.094	0.094	0.080	0.080
14-15	0.74	0.77	0.73	0.78	0.11	-0.03	0.08	0.001	0.001	0.000	0.000	0.000	0.000
15-16	0.76	0.77	0.75	0.78	0.06	-0.01	0.05	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.75	0.77	0.74	0.78	0.03	-0.02	0.02	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.75	0.76	0.74	0.77	0.01	-0.01	-0.00	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.76	0.76	0.75	0.76	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.76	0.75	0.74	0.76	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.74	0.75	0.73	0.75	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.66	0.73	0.64	0.75	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.61	0.71	0.59	0.74	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.58	0.69	0.57	0.72	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	15.83	17.72	15.44	18.11	1.12	-1.89	-0.77						

SHORTWAVE RADIATION (MJ/M**2)												
MAR. 25												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.11	0.08	0.04	0.04	0.03	0.02	0.02	0.01	0.05	0.0	0.04	0.01
7-8	0.23	0.18	0.14	0.12	0.19	0.14	0.10	0.09	0.23	0.09	0.19	0.08
8-9	0.42	0.31	0.24	0.21	0.33	0.24	0.17	0.14	0.41	0.17	0.34	0.14
9-10	0.65	0.47	0.36	0.32	0.50	0.36	0.26	0.22	0.63	0.27	0.52	0.23
10-11	0.89	0.66	0.51	0.46	0.70	0.51	0.36	0.30	0.89	0.40	0.74	0.33
11-12	1.05	0.80	0.61	0.56	0.83	0.61	0.43	0.36	1.05	0.50	0.90	0.41
12-13	0.97	0.73	0.56	0.50	0.77	0.56	0.39	0.33	0.97	0.45	0.83	0.37
13-14	1.04	0.78	0.61	0.56	0.80	0.59	0.42	0.35	1.03	0.48	0.90	0.42
14-15	0.89	0.66	0.52	0.49	0.67	0.50	0.35	0.30	0.88	0.41	0.79	0.38
15-16	0.68	0.49	0.39	0.38	0.50	0.37	0.26	0.23	0.66	0.30	0.61	0.31
16-17	0.39	0.26	0.22	0.21	0.27	0.21	0.14	0.13	0.38	0.14	0.37	0.20
17-18	0.06	0.03	0.03	0.02	0.04	0.03	0.01	0.01	0.06	0.0	0.06	0.02
18-19	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
19-20	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
20-21	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
21-22	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
TOTAL	7.38	5.45	4.23	3.91	5.65	4.15	2.90	2.48	7.23	3.21	6.31	2.89

LONGWAVE RADIATION (MJ/M**2)												
MAR. 25												
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.55	0.68	0.53	0.71	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0
1-2	0.52	0.66	0.51	0.70	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
2-3	0.58	0.68	0.57	0.70	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0
3-4	0.59	0.67	0.57	0.70	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0
4-5	0.62	0.68	0.60	0.69	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0
5-6	0.50	0.65	0.49	0.67	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
6-7	0.59	0.65	0.58	0.67	0.07	-0.07	0.01	0.0	0.0	0.0	0.0	0.0
7-8	0.66	0.67	0.65	0.68	0.04	-0.01	0.04	0.006	0.005	0.005	0.004	0.004
8-9	0.61	0.67	0.60	0.68	0.09	-0.07	0.02	0.079	0.069	0.060	0.051	0.051
9-10	0.51	0.67	0.50	0.68	0.15	-0.15	-0.01	0.291	0.248	0.209	0.180	0.180
10-11	0.53	0.68	0.53	0.70	0.19	-0.15	0.04	0.372	0.313	0.263	0.227	0.227
11-12	0.48	0.69	0.48	0.70	0.22	-0.20	0.02	0.633	0.530	0.443	0.383	0.383
12-13	0.56	0.69	0.55	0.71	0.20	-0.14	0.06	0.324	0.275	0.224	0.190	0.190
13-14	0.50	0.69	0.50	0.72	0.24	-0.19	0.05	0.644	0.542	0.454	0.393	0.393
14-15	0.46	0.68	0.47	0.71	0.22	-0.22	-0.00	0.782	0.668	0.563	0.488	0.488
15-16	0.46	0.67	0.47	0.70	0.18	-0.21	-0.04	0.770	0.674	0.574	0.500	0.500
16-17	0.46	0.65	0.47	0.69	0.12	-0.19	-0.08	0.643	0.587	0.515	0.455	0.455
17-18	0.47	0.64	0.46	0.67	0.02	-0.17	-0.15	0.065	0.060	0.053	0.047	0.047
18-19	0.58	0.64	0.58	0.67	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0
19-20	0.64	0.65	0.64	0.68	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0
20-21	0.65	0.65	0.65	0.68	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	0.0
21-22	0.64	0.65	0.62	0.67	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0
22-23	0.63	0.64	0.62	0.66	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0
23-24	0.60	0.64	0.59	0.66	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0
TOTAL	13.38	15.96	13.23	16.52	1.73	-2.58	-0.85					

SHORTWAVE RADIATION (MJ/M**2)													
MAR. 26													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.05*	0.02	0.02	0.03	0.02	0.01	0.01	0.01	0.03	0.0	0.0	0.04	
7-8	0.15*	0.11	0.09	0.08	0.13	0.09	0.06	0.06	0.13	0.03	0.15	0.06	
8-9	0.40*	0.29	0.23	0.21	0.33	0.24	0.17	0.14	0.39	0.16	0.36	0.16	
9-10	0.7*	0.59	0.47	0.43	0.63	0.48	0.35	0.29	0.80	0.39	0.70	0.33	
10-11	0.97	0.74	0.57	0.52	0.78	0.58	0.42	0.35	0.98	0.47	0.86	0.38	
11-12	0.95	0.71	0.54	0.49	0.76	0.55	0.39	0.33	0.94	0.44	0.83	0.36	
12-13	1.15	0.86	0.66	0.59	0.90	0.67	0.48	0.40	1.12	0.53	1.00	0.45	
13-14	0.76	0.56	0.42	0.37	0.62	0.45	0.31	0.27	0.75	0.33	0.65	0.27	
14-15	0.54	0.39	0.30	0.26	0.47	0.34	0.23	0.20	0.54	0.23	0.47	0.18	
15-16	0.34	0.25	0.19	0.16	0.30	0.21	0.15	0.12	0.35	0.12	0.30	0.11	
16-17	0.23	0.17	0.13	0.11	0.19	0.14	0.10	0.08	0.23	0.08	0.20	0.08	
17-18	0.05	0.03	0.03	0.02	0.04	0.02	0.01	0.01	0.05	0.0	0.05	0.01	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.00	0.00	
19-20	0.0	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.00	0.0	0.00	0.0	
20-21	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.00	0.0	0.00	0.0	
21-22	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.00	0.0	0.00	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.00	0.0	
23-24	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
TOTAL	6.3*	4.72	3.66	3.42	5.17	3.7*	2.67	2.25	6.33	2.78	5.63	2.41	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
MAR. 26													
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.60	0.63	0.59	0.65	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
1-2	0.56	0.63	0.56	0.65	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
2-3	0.47	0.62	0.46	0.63	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
3-4	0.44	0.61	0.43	0.62	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
4-5	0.46	0.60	0.43	0.62	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
5-6	0.46	0.61	0.44	0.62	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
6-7	0.45	0.61	0.43	0.63	0.02	-0.16	-0.13	0.046	0.046	0.043	0.040		
7-8	0.45	0.60	0.42	0.63	0.02	-0.16	-0.13	0.172	0.159	0.141	0.126		
8-9	0.46	0.62	0.43	0.63	0.07	-0.16	-0.09	0.265	0.230	0.199	0.174		
9-10	0.47	0.64	0.45	0.64	0.15	-0.16	-0.01	0.505	0.430	0.361	0.313		
10-11	0.53	0.65	0.51	0.66	0.19	-0.12	0.07	0.360	0.302	0.250	0.213		
11-12	0.55	0.66	0.53	0.67	0.19	-0.11	0.08	0.244	0.203	0.170	0.147		
12-13	0.56	0.67	0.55	0.68	0.25	-0.11	0.14	0.349	0.287	0.240	0.208		
13-14	0.60	0.68	0.58	0.69	0.14	-0.08	0.06	0.076	0.062	0.051	0.044		
14-15	0.65	0.69	0.63	0.69	0.07	-0.04	0.03	0.021	0.017	0.014	0.012		
15-16	0.63	0.68	0.62	0.68	0.05	-0.05	-0.00	0.005	0.004	0.003	0.002		
16-17	0.67	0.68	0.65	0.68	0.04	-0.01	0.03	0.0	0.0	0.0	0.0		
17-18	0.64	0.68	0.63	0.68	0.01	-0.03	-0.02	0.0	0.0	0.0	0.0		
18-19	0.69	0.68	0.68	0.68	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
19-20	0.69	0.68	0.68	0.69	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
20-21	0.69	0.68	0.68	0.68	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
21-22	0.70	0.68	0.69	0.69	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
22-23	0.68	0.68	0.67	0.69	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0		
23-24	0.69	0.68	0.67	0.69	0.0	0.00	0.00	0.0	0.0	0.0	0.0		
TOTAL	13.81	15.63	13.42	15.86	1.21	-1.82	-0.61						

SHORTWAVE RADIATION (MJ/M**2)													
MAR. 27													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	
1-2	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.00	
2-3	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	
3-4	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.01	0.00	0.00	
4-5	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
5-6	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.00	0.01	0.00	
6-7	0.02	0.01	0.01	0.02	0.01	0.01	0.00	0.00	0.00	0.02	0.00	0.00	
7-8	0.12	0.08	0.06	0.05	0.10	0.06	0.04	0.04	0.12	0.02	0.11	0.03	
8-9	0.24	0.17	0.13	0.11	0.20	0.13	0.09	0.07	0.24	0.07	0.21	0.07	
9-10	0.48	0.35	0.26	0.22	0.40	0.28	0.19	0.16	0.48	0.19	0.42	0.15	
10-11	0.64	0.47	0.34	0.29	0.53	0.37	0.26	0.21	0.63	0.26	0.57	0.20	
11-12	0.92	0.69	0.51	0.44	0.77	0.54	0.38	0.31	0.92	0.41	0.82	0.30	
12-13	0.90	0.67	0.49	0.42	0.75	0.53	0.37	0.30	0.90	0.39	0.81	0.29	
13-14	0.90	0.68	0.50	0.44	0.74	0.53	0.37	0.30	0.91	0.40	0.81	0.30	
14-15	0.59	0.44	0.32	0.27	0.50	0.35	0.24	0.20	0.60	0.24	0.54	0.19	
15-16	0.45	0.34	0.25	0.22	0.37	0.26	0.18	0.16	0.45	0.18	0.41	0.15	
16-17	0.23	0.17	0.13	0.11	0.18	0.13	0.09	0.08	0.23	0.08	0.21	0.07	
17-18	0.04	0.03	0.02	0.02	0.03	0.02	0.01	0.01	0.04	0.00	0.05	0.01	
18-19	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	5.53	4.09	3.01	2.82	4.58	3.21	2.22	1.84	5.55	2.22	5.01	1.77	

LONGWAVE RADIATION (MJ/M**2)													
MAR. 27													
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.71	0.69	0.69	0.69	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
1-2	0.71	0.69	0.70	0.69	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
2-3	0.72	0.69	0.71	0.69	0.0	0.03	0.03	0.0	0.0	0.0	0.0		
3-4	0.71	0.69	0.70	0.70	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
4-5	0.70	0.70	0.68	0.70	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
5-6	0.69	0.70	0.68	0.70	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
6-7	0.66	0.70	0.65	0.70	0.00	-0.03	-0.03	0.0	0.0	0.0	0.0		
7-8	0.70	0.70	0.69	0.70	0.02	0.00	0.02	0.0	0.0	0.0	0.0		
8-9	0.68	0.70	0.66	0.71	0.04	-0.03	0.01	0.0	0.0	0.0	0.0		
9-10	0.71	0.71	0.69	0.72	0.08	-0.01	0.08	0.0	0.0	0.0	0.0		
10-11	0.71	0.72	0.69	0.72	0.10	-0.01	0.09	0.002	0.000	0.0	0.0		
11-12	0.71	0.73	0.69	0.73	0.15	-0.02	0.14	0.009	0.007	0.005	0.003		
12-13	0.71	0.73	0.69	0.74	0.15	-0.02	0.13	0.012	0.009	0.007	0.004		
13-14	0.69	0.73	0.67	0.74	0.16	-0.05	0.11	0.025	0.019	0.015	0.013		
14-15	0.71	0.73	0.70	0.73	0.09	-0.02	0.07	0.000	0.0	0.0	0.0		
15-16	0.68	0.73	0.66	0.73	0.08	-0.05	0.03	0.004	0.003	0.003	0.002		
16-17	0.66	0.72	0.65	0.72	0.04	-0.06	-0.02	0.000	0.000	0.0	0.0		
17-18	0.67	0.71	0.65	0.72	0.01	-0.04	-0.03	0.0	0.0	0.0	0.0		
18-19	0.65	0.70	0.64	0.72	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
19-20	0.64	0.70	0.63	0.71	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
20-21	0.61	0.68	0.59	0.70	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0		
21-22	0.64	0.70	0.63	0.70	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
22-23	0.65	0.69	0.64	0.70	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
23-24	0.69	0.70	0.68	0.70	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0		
TOTAL	16.40	16.93	16.07	17.08	0.95	-0.53	0.42						

SHORTWAVE RADIATION (MJ/M**2)												
MAR. 28												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.01	0.01	0.00	0.00	0.01	0.00	0.0	0.0	0.01	0.0	0.02	0.0
7-8	0.17	0.13	0.11	0.09	0.14	0.10	0.07	0.06	0.17	0.06	0.16	0.06
8-9	0.43	0.33	0.26	0.24	0.34	0.26	0.19	0.16	0.43	0.19	0.39	0.16
9-10	0.70	0.53	0.42	0.38	0.56	0.42	0.30	0.25	0.70	0.33	0.63	0.27
10-11	0.95	0.72	0.56	0.52	0.76	0.57	0.40	0.34	0.95	0.45	0.87	0.37
11-12	0.97	0.74	0.57	0.53	0.78	0.57	0.40	0.34	0.97	0.46	0.89	0.37
12-13	0.81	0.61	0.46	0.42	0.66	0.47	0.33	0.28	0.80	0.36	0.73	0.29
13-14	0.72	0.53	0.42	0.38	0.58	0.42	0.29	0.25	0.71	0.32	0.68	0.28
14-15	0.55	0.41	0.32	0.29	0.44	0.32	0.22	0.19	0.54	0.24	0.52	0.20
15-16	0.35	0.26	0.20	0.17	0.28	0.20	0.14	0.12	0.34	0.13	0.32	0.12
16-17	0.17	0.12	0.10	0.09	0.14	0.10	0.06	0.05	0.17	0.04	0.18	0.06
17-18	0.06	0.02	0.01	0.01	0.02	0.01	0.01	0.01	0.03	0.0	0.04	0.01
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	5.90	4.42	3.43	3.13	4.71	3.44	2.41	2.05	5.81	2.58	5.41	2.18

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
MAR. 28												
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.69	0.70	0.68	0.70	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0
1-2	0.65	0.69	0.63	0.69	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0
2-3	0.63	0.68	0.62	0.68	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0
3-4	0.63	0.67	0.62	0.67	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0
4-5	0.57	0.66	0.56	0.66	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0
5-6	0.63	0.65	0.61	0.65	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0
6-7	0.63	0.65	0.60	0.65	0.00	-0.03	-0.02	0.0	0.0	0.0	0.0	0.0
7-8	0.53	0.64	0.51	0.65	0.03	-0.11	-0.07	0.049	0.045	0.040	0.036	
8-9	0.55	0.65	0.53	0.65	0.08	-0.10	-0.01	0.141	0.123	0.107	0.093	
9-10	0.51	0.65	0.50	0.66	0.14	-0.14	-0.01	0.349	0.300	0.255	0.221	
10-11	0.46	0.66	0.46	0.66	0.19	-0.20	-0.01	0.614	0.521	0.438	0.378	
11-12	0.50	0.66	0.50	0.67	0.20	-0.16	0.04	0.380	0.314	0.261	0.223	
12-13	0.58	0.67	0.58	0.68	0.15	-0.09	0.07	0.128	0.105	0.087	0.076	
13-14	0.48	0.66	0.48	0.69	0.15	-0.17	-0.03	0.316	0.264	0.222	0.192	
14-15	0.51	0.64	0.51	0.68	0.11	-0.13	-0.03	0.158	0.134	0.112	0.097	
15-16	0.60	0.66	0.59	0.68	0.07	-0.06	0.01	0.010	0.007	0.005	0.005	
16-17	0.50	0.63	0.49	0.66	0.03	-0.13	-0.10	0.051	0.047	0.041	0.036	
17-18	0.54	0.62	0.55	0.66	0.04	-0.07	-0.03	0.000	0.000	0.000	0.0	
18-19	0.69	0.64	0.70	0.68	0.0	0.05	0.05	0.0	0.0	0.0	0.0	
19-20	0.58	0.63	0.60	0.68	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
20-21	0.56	0.61	0.57	0.66	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	
21-22	0.70	0.64	0.70	0.69	0.0	0.06	0.06	0.0	0.0	0.0	0.0	
22-23	0.69	0.66	0.70	0.69	0.0	0.04	0.04	0.0	0.0	0.0	0.0	
23-24	0.70	0.68	0.71	0.71	0.0	0.03	0.03	0.0	0.0	0.0	0.0	
TOTAL	14.11	15.67	13.98	16.15	1.20	-1.56	-0.36					



SHORTWAVE RADIATION (MJ/M**2)													
MAR. 29													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.02	0.00
7-8	0.20	0.16	0.13	0.12	0.15	0.12	0.09	0.07	0.30	0.14	0.19	0.09	0.09
8-9	0.44	0.34	0.27	0.24	0.34	0.26	0.19	0.16	0.50	0.21	0.40	0.17	0.17
9-10	0.53	0.39	0.31	0.28	0.43	0.31	0.22	0.19	0.53	0.21	0.50	0.21	0.21
10-11	0.58	0.42	0.32	0.29	0.47	0.33	0.23	0.20	0.53	0.20	0.51	0.21	0.21
11-12	0.87	0.65	0.49	0.43	0.70	0.51	0.36	0.31	0.75	0.33	0.71	0.30	0.30
12-13	0.80	0.59	0.45	0.40	0.65	0.48	0.33	0.29	0.73	0.32	0.66	0.28	0.28
13-14	0.68	0.49	0.38	0.33	0.56	0.41	0.29	0.24	0.64	0.29	0.56	0.23	0.23
14-15	0.69	0.50	0.39	0.35	0.55	0.41	0.29	0.25	0.72	0.33	0.58	0.26	0.26
15-16	0.28	0.19	0.14	0.13	0.23	0.15	0.11	0.09	0.28	0.09	0.24	0.09	0.09
16-17	0.13	0.09	0.07	0.06	0.11	0.07	0.05	0.04	0.12	0.02	0.11	0.03	0.03
17-18	0.06	0.02	0.01	0.01	0.02	0.01	0.01	0.01	0.03	0.0	0.02	0.00	0.00
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0
22-23	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0
TOTAL	5.28	3.86	2.97	2.64	4.21	3.07	2.16	1.85	5.15	2.14	4.51	1.88	1.88

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
MAR. 29													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.70	0.69	0.71	0.71	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.69	0.68	0.69	0.71	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.69	0.68	0.70	0.71	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.70	0.68	0.71	0.71	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.64	0.67	0.67	0.71	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.62	0.66	0.65	0.70	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.63	0.66	0.63	0.67	0.01	-0.03	-0.02	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.47	0.62	0.57	0.65	0.05	-0.14	-0.09	0.180	0.130	0.141	0.113	0.113	0.113
8-9	0.49	0.64	0.60	0.67	0.10	-0.15	-0.05	0.206	0.147	0.145	0.117	0.117	0.117
9-10	0.47	0.63	0.57	0.67	0.10	-0.16	-0.05	0.221	0.187	0.159	0.135	0.135	0.135
10-11	0.50	0.63	0.56	0.65	0.12	-0.13	-0.02	0.120	0.099	0.082	0.067	0.067	0.067
11-12	0.59	0.65	0.60	0.66	0.17	-0.05	0.12	0.098	0.082	0.068	0.053	0.053	0.053
12-13	0.58	0.67	0.60	0.67	0.15	-0.09	0.06	0.115	0.096	0.080	0.064	0.064	0.064
13-14	0.59	0.67	0.60	0.67	0.12	-0.08	0.04	0.087	0.071	0.059	0.046	0.046	0.046
14-15	0.58	0.67	0.58	0.68	0.14	-0.09	0.05	0.157	0.132	0.110	0.092	0.092	0.092
15-16	0.59	0.66	0.59	0.68	0.05	-0.07	-0.02	0.033	0.027	0.023	0.018	0.018	0.018
16-17	0.69	0.66	0.67	0.67	0.03	0.02	0.05	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.68	0.67	0.67	0.67	0.04	0.01	0.05	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.70	0.67	0.69	0.67	0.0	0.03	0.03	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.69	0.67	0.67	0.67	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.67	0.67	0.66	0.67	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.67	0.66	0.65	0.66	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.68	0.66	0.67	0.66	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.67	0.66	0.65	0.66	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	14.98	15.86	15.34	16.24	1.07	-0.88	0.19						

SHORTWAVE RADIATION (MJ/M**2)													
MAR. 30													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
1-2	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	
6-7	0.01	0.01	0.00	0.00	0.01	0.00	0.0	0.0	0.01	0.0	0.02	0.00	
7-8	0.18*	0.14	0.11	0.10	0.12	0.09	0.07	0.06	0.15	0.05	0.14	0.06	
8-9	0.46*	0.34	0.26	0.23	0.30	0.22	0.17	0.14	0.40	0.16	0.33	0.15	
9-10	0.74*	0.56	0.44	0.41	0.55	0.41	0.31	0.25	0.79	0.35	0.63	0.31	
10-11	0.93*	0.70	0.56	0.52	0.69	0.51	0.38	0.31	1.01	0.45	0.82	0.40	
11-12	1.03*	0.76	0.60	0.57	0.74	0.54	0.40	0.33	1.08	0.49	0.87	0.43	
12-13	1.05	0.77	0.61	0.57	0.75	0.55	0.41	0.33	1.07	0.49	0.90	0.45	
13-14	0.96	0.71	0.56	0.52	0.70	0.52	0.37	0.32	0.97	0.45	0.83	0.42	
14-15	0.82	0.59	0.47	0.45	0.58	0.44	0.32	0.28	0.80	0.37	0.70	0.36	
15-16	0.55	0.38	0.30	0.30	0.40	0.33	0.22	0.21	0.51	0.22	0.49	0.27	
16-17	0.28	0.17	0.14	0.15	0.22	0.20	0.12	0.14	0.26	0.06	0.26	0.15	
17-18	0.03	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.03	0.0	0.04	0.01	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
21-22	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	7.01	5.14	4.05	3.86	5.07	3.82	2.78	2.37	7.08	3.08	6.06	3.00	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
MAR. 30													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.66	0.66	0.64	0.66	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	
1-2	0.62	0.65	0.59	0.66	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	
2-3	0.60	0.65	0.58	0.65	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	
3-4	0.56	0.63	0.53	0.64	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	
4-5	0.48	0.61	0.44	0.63	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
5-6	0.45	0.61	0.41	0.62	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
6-7	0.46	0.61	0.42	0.62	0.00	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
7-8	0.46	0.61	0.43	0.62	0.06	-0.16	-0.10	0.089	0.078	0.073	0.066		
8-9	0.44	0.62	0.42	0.63	0.16	-0.17	-0.01	0.320	0.283	0.247	0.216		
9-10	0.43	0.62	0.40	0.64	0.19	-0.19	-0.00	0.694	0.599	0.514	0.449		
10-11	0.44	0.63	0.41	0.65	0.25	-0.20	0.05	0.792	0.674	0.574	0.498		
11-12	0.42	0.63	0.41	0.66	0.28	-0.20	0.08	0.815	0.690	0.581	0.505		
12-13	0.43	0.64	0.42	0.66	0.30	-0.21	0.10	0.849	0.718	0.606	0.526		
13-14	0.44	0.64	0.42	0.66	0.26	-0.19	0.07	0.844	0.719	0.608	0.528		
14-15	0.45	0.63	0.42	0.66	0.23	-0.18	0.05	0.806	0.696	0.593	0.517		
15-16	0.44	0.62	0.42	0.65	0.14	-0.18	-0.04	0.714	0.634	0.550	0.484		
16-17	0.42	0.60	0.40	0.63	0.06	-0.18	-0.12	0.533	0.496	0.447	0.403		
17-18	0.41	0.59	0.39	0.61	0.00	-0.17	-0.17	0.071	0.068	0.063	0.058		
18-19	0.40	0.57	0.38	0.60	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
19-20	0.39	0.57	0.38	0.59	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
20-21	0.39	0.56	0.37	0.59	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
21-22	0.40	0.56	0.36	0.58	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
22-23	0.39	0.55	0.36	0.58	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
23-24	0.39	0.54	0.37	0.57	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
TOTAL	10.99	14.61	10.38	15.04	1.94	-3.61	-1.68						

SHORTWAVE RADIATION (MJ/M**2)												
MAR. 31												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.20	0.14	0.01	0.02	0.00	0.01	0.0	0.0	0.0	0.0	0.01	0.0
7-8	0.19	0.16	0.12	0.10	0.10	0.06	0.05	0.04	0.12	0.06	0.14	0.06
8-9	0.49	0.40	0.31	0.27	0.30	0.23	0.17	0.14	0.42	0.21	0.36	0.18
9-10	0.56	0.44	0.34	0.31	0.43	0.31	0.23	0.18	0.58	0.26	0.48	0.23
10-11	0.83	0.64	0.49	0.46	0.62	0.46	0.33	0.27	0.85	0.40	0.70	0.33
11-12	1.11	0.84	0.66	0.61	0.80	0.59	0.43	0.36	1.12	0.54	0.93	0.46
12-13	1.07	0.79	0.62	0.59	0.76	0.56	0.41	0.33	1.06	0.51	0.91	0.45
13-14	0.90	0.67	0.52	0.52	0.66	0.49	0.35	0.30	0.92	0.44	0.81	0.41
14-15	0.79	0.58	0.47	0.45	0.57	0.44	0.31	0.28	0.77	0.36	0.69	0.36
15-16	0.58	0.42	0.34	0.33	0.45	0.39	0.25	0.26	0.57	0.24	0.52	0.28
16-17	0.25	0.15	0.13	0.13	0.13	0.19	0.13	0.13	0.23	0.05	0.24	0.14
17-18	0.05	0.02	0.02	0.04	0.01	0.01	0.00	0.00	0.04	0.0	0.04	0.02
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	7.04	5.25	4.03	3.86	4.82	3.74	2.66	2.30	6.67	3.07	5.83	2.92

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
MAR. 31												
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.38	0.54	0.37	0.56	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
1-2	0.38	0.53	0.36	0.55	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
2-3	0.38	0.53	0.36	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
3-4	0.40	0.54	0.35	0.55	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
4-5	0.40	0.54	0.36	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
5-6	0.39	0.52	0.37	0.54	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
6-7	0.38	0.53	0.36	0.54	0.20	-0.15	0.05	0.0	0.0	0.0	0.0	
7-8	0.40	0.53	0.38	0.55	0.09	-0.13	-0.04	0.081	0.046	0.047	0.044	
8-9	0.46	0.55	0.42	0.56	0.18	-0.09	0.09	0.214	0.165	0.156	0.141	
9-10	0.47	0.57	0.45	0.58	0.14	-0.10	0.04	0.221	0.188	0.159	0.138	
10-11	0.50	0.59	0.47	0.60	0.21	-0.09	0.11	0.374	0.321	0.273	0.236	
11-12	0.47	0.61	0.44	0.62	0.32	-0.14	0.18	0.784	0.667	0.564	0.490	
12-13	0.44	0.60	0.41	0.63	0.31	-0.16	0.15	0.877	0.746	0.629	0.546	
13-14	0.43	0.60	0.40	0.63	0.24	-0.18	0.06	0.835	0.715	0.606	0.526	
14-15	0.44	0.61	0.41	0.64	0.22	-0.17	0.05	0.776	0.672	0.573	0.501	
15-16	0.44	0.61	0.42	0.64	0.14	-0.16	-0.03	0.732	0.653	0.568	0.500	
16-17	0.42	0.60	0.39	0.62	0.12	-0.18	-0.05	0.535	0.504	0.454	0.408	
17-18	0.41	0.58	0.38	0.60	0.04	-0.17	-0.13	0.085	0.084	0.079	0.073	
18-19	0.40	0.57	0.39	0.60	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
19-20	0.40	0.57	0.38	0.59	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
20-21	0.40	0.57	0.38	0.59	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
21-22	0.40	0.57	0.38	0.60	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
22-23	0.40	0.57	0.38	0.60	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
23-24	0.40	0.58	0.37	0.60	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
TOTAL	9.96	13.60	9.40	14.10	2.21	-3.64	-1.43					

SHORTWAVE RADIATION (MJ/M**2)													
APR. 1	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
HOUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.04	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.01	0.0	0.01	0.0	
7-8	0.22*	0.16	0.11	0.12	0.08	0.05	0.03	0.03	0.10	0.03	0.13	0.06	
8-9	0.54*	0.38	0.30	0.27	0.27	0.20	0.14	0.13	0.38	0.17	0.35	0.18	
9-10	0.81*	0.55	0.43	0.39	0.50	0.36	0.26	0.23	0.67	0.31	0.57	0.29	
10-11	0.99*	0.67	0.52	0.49	0.59	0.41	0.30	0.25	0.87	0.41	0.74	0.36	
11-12	1.01	0.74	0.56	0.50	0.61	0.42	0.30	0.25	0.99	0.46	0.83	0.41	
12-13	1.01	0.73	0.58	0.55	0.61	0.42	0.30	0.25	0.99	0.47	0.85	0.42	
13-14	0.91	0.67	0.54	0.42	0.52	0.36	0.26	0.21	0.89	0.42	0.78	0.39	
14-15	0.74	0.53	0.42	0.38	0.42	0.29	0.21	0.18	0.71	0.33	0.64	0.33	
15-16	0.52	0.34	0.28	0.27	0.31	0.21	0.16	0.13	0.48	0.19	0.45	0.24	
16-17	0.28	0.15	0.11	0.13	0.13	0.08	0.06	0.05	0.21	0.04	0.22	0.13	
17-18	0.03	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.03	0.0	0.03	0.02	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.21	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.71	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.86	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.64	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.85	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.58	0.0	
TOTAL	7.10	4.93	3.85	3.58	4.05	2.79	2.03	1.70	6.32	2.83	15.46	2.83	

LONGWAVE RADIATION (MJ/M**2)														
APR. 1	(SURFACE)				(30M)			NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.40	0.57	0.38	0.60	0.0	0.0	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
1-2	0.40	0.58	0.38	0.60	0.0	0.0	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
2-3	0.41	0.58	0.38	0.60	0.0	0.0	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
3-4	0.41	0.58	0.39	0.61	0.0	0.0	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
4-5	0.41	0.58	0.40	0.61	0.0	0.0	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
5-6	0.41	0.59	0.40	0.61	0.0	0.0	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
6-7	0.43	0.59	0.41	0.61	0.04	0.04	0.04	-0.15	-0.11	0.0	0.0	0.0	0.0	
7-8	0.43	0.60	0.42	0.63	0.14	0.14	0.14	-0.17	-0.03	0.265	0.251	0.230	0.208	
8-9	0.43	0.61	0.42	0.64	0.26	0.26	0.26	-0.18	0.09	0.619	0.554	0.487	0.430	
9-10	0.44	0.62	0.42	0.65	0.32	0.32	0.32	-0.18	0.14	0.764	0.667	0.571	0.498	
10-11	0.45	0.63	0.42	0.67	0.40	0.40	0.40	-0.18	0.22	0.835	0.715	0.606	0.526	
11-12	0.46	0.64	0.43	0.68	0.40	0.40	0.40	-0.18	0.22	0.881	0.750	0.631	2.995	
12-13	0.47	0.65	0.44	0.69	0.40	0.40	0.40	-0.18	0.22	0.891	0.758	0.637	0.553	
13-14	0.45	0.65	0.43	0.69	0.39	0.39	0.39	-0.20	0.19	0.875	0.749	0.632	3.005	
14-15	0.45	0.65	0.43	0.68	0.31	0.31	0.31	-0.20	0.11	0.814	0.707	0.602	0.525	
15-16	0.44	0.64	0.44	0.67	0.21	0.21	0.21	-0.20	0.01	0.703	0.628	0.546	0.479	
16-17	0.43	0.63	0.43	0.67	0.16	0.16	0.16	-0.20	-0.04	0.446	0.415	0.377	0.338	
17-18	0.44	0.62	0.43	0.66	0.02	0.02	0.02	-0.19	-0.16	0.048	0.044	0.042	0.040	
18-19	0.45	0.61	0.44	0.65	0.0	0.0	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
19-20	0.47	0.62	0.46	0.66	0.0	0.0	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
20-21	0.48	0.62	0.46	0.66	0.0	0.0	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
21-22	0.50	0.61	0.46	0.66	0.0	0.0	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
22-23	0.51	0.61	0.48	0.65	0.0	0.0	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
23-24	0.54	0.61	0.50	0.67	0.0	0.0	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
TOTAL	10.72	14.70	10.26	15.50	3.05	-3.98	-0.93							

SHORTWAVE RADIATION (MJ/M**2)													
APR. 2													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
7-8	0.06*	0.04	0.02	0.02	0.04	0.02	0.01	0.01	0.05	0.0	0.06	0.01	
8-9	0.20*	0.15	0.11	0.10	0.17	0.11	0.08	0.07	0.18	0.04	0.17	0.06	
9-10	0.37*	0.28	0.21	0.19	0.30	0.21	0.14	0.12	0.33	0.12	0.29	0.11	
10-11	0.52*	0.39	0.28	0.25	0.42	0.29	0.20	0.17	0.45	0.17	0.39	0.15	
11-12	0.59	0.44	0.32	0.28	0.49	0.34	0.24	0.20	0.49	0.19	0.44	0.16	
12-13	0.62	0.47	0.35	0.30	0.51	0.35	0.25	0.21	0.51	0.20	0.47	0.18	
13-14	0.56	0.44	0.33	0.29	0.45	0.32	0.23	0.19	0.46	0.19	0.45	0.18	
14-15	0.42	0.33	0.25	0.22	0.34	0.23	0.17	0.14	0.34	0.13	0.33	0.13	
15-16	0.26	0.20	0.15	0.13	0.20	0.14	0.10	0.09	0.21	0.06	0.21	0.08	
16-17	0.11	0.08	0.06	0.05	0.08	0.06	0.04	0.04	0.09	0.01	0.09	0.03	
17-18	0.01	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.00	0.0	0.01	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
TOTAL	3.73	2.80	2.09	1.83	3.01	2.08	1.46	1.24	3.12	1.11	99.99	1.08	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
APR. 2													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.55	0.62	0.52	0.68	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	
1-2	0.54	0.62	0.57	0.69	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	
2-3	0.55	0.62	0.62	0.71	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	
3-4	0.60	0.63	0.69	0.73	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	
4-5	0.67	0.66	0.73	0.75	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	
5-6	0.68	0.66	0.72	0.74	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	
6-7	0.69	0.69	0.74	0.74	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	
7-8	0.70	0.68	0.70	0.72	0.01	0.01	0.03	0.0	0.0	0.0	0.0	0.0	
8-9	0.69	0.70	0.72	0.74	0.04	-0.00	0.03	0.0	0.0	0.0	0.0	0.0	
9-10	0.71	0.71	0.74	0.76	0.07	-0.01	0.06	0.0	0.0	0.0	0.0	0.0	
10-11	0.72	0.72	0.75	0.78	0.10	0.00	0.10	0.0	0.0	0.0	0.0	0.0	
11-12	0.73	0.72	0.76	0.78	0.10	0.01	0.11	0.0	0.0	0.0	0.0	0.0	
12-13	0.73	0.73	0.75	0.77	0.11	-0.00	0.10	0.0	0.0	0.0	0.0	0.0	
13-14	0.71	0.74	0.74	0.77	0.11	-0.03	0.08	0.000	0.000	0.000	0.000	0.000	
14-15	0.71	0.74	0.74	0.77	0.08	-0.03	0.06	0.0	0.0	0.0	0.0	0.0	
15-16	0.68	0.74	0.73	0.77	0.06	-0.06	0.00	0.0	0.0	0.0	0.0	0.0	
16-17	0.65	0.72	0.72	0.77	0.03	-0.07	-0.04	0.0	0.0	0.0	0.0	0.0	
17-18	0.66	0.71	0.72	0.76	0.00	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	
18-19	0.67	0.71	0.71	0.75	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	
19-20	0.66	0.70	0.70	0.73	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	
20-21	0.66	0.69	0.68	0.72	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	
21-22	0.64	0.67	0.68	0.72	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	
22-23	0.63	0.66	0.67	0.71	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	
23-24	0.63	0.65	0.67	0.70	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	
TOTAL	15.86	16.48	16.78	17.76	0.71	-0.62	0.09						

SHORTWAVE RADIATION (MJ/M**2)													
APR. 3	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
HOUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.99	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
7-8	0.14*	0.11	0.08	0.10	0.06	0.04	0.05	0.03	0.05	0.0	0.10	0.05	
8-9	0.32*	0.25	0.18	0.20	0.21	0.13	0.13	0.09	0.14	0.03	0.29	0.15	
9-10	0.67*	0.45	0.37	0.37	0.38	0.27	0.21	0.16	0.26	0.08	0.48	0.24	
10-11	0.86*	0.58	0.46	0.44	0.48	0.33	0.25	0.20	0.39	0.16	0.60	0.30	
11-12	0.96*	0.67	0.53	0.50	0.56	0.38	0.28	0.23	0.55	0.23	0.70	0.36	
12-13	0.83	0.57	0.45	0.43	0.47	0.32	0.23	0.19	0.55	0.22	0.81	0.32	
13-14	0.72	0.54	0.42	0.39	0.47	0.32	0.23	0.19	0.56	0.23	0.56	0.29	
14-15	0.61	0.44	0.35	0.34	0.36	0.24	0.17	0.14	0.60	0.26	0.50	0.28	
15-16	0.26	0.18	0.15	0.14	0.17	0.11	0.07	0.06	0.29	0.12	0.23	0.12	
16-17	0.08	0.06	0.04	0.04	0.07	0.04	0.02	0.02	0.06	0.0	0.07	0.02	
17-18	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	5.51	3.85	3.03	2.96	3.22	2.18	1.64	1.31	3.46	1.32	99.99	2.13	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)														
APR. 3	(SURFACE)				(30M)				(SURFACE)			DIRECT RADIATION (KW/M**2)		
HOUR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)			
0-1	0.62	0.65	0.65	0.69	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0		
1-2	0.61	0.63	0.63	0.67	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0		
2-3	0.58	0.60	0.65	0.68	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0		
3-4	0.56	0.58	0.67	0.70	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0		
4-5	0.55	0.57	0.67	0.72	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0		
5-6	0.54	0.57	0.67	0.72	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0		
6-7	0.54	0.57	0.67	0.72	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0		
7-8	0.55	0.58	0.68	0.72	0.08	-0.02	0.06	0.177	0.0	0.0	0.0	0.0		
8-9	0.56	0.58	0.69	0.73	0.12	-0.02	0.09	0.292	0.0	0.0	0.0	0.0		
9-10	0.47	0.57	0.68	0.71	0.29	-0.11	0.19	0.577	0.010	0.005	0.049			
10-11	0.42	0.58	0.67	0.71	0.38	-0.16	0.22	0.698	0.232	0.203	0.261			
11-12	0.45	0.60	0.67	0.70	0.41	-0.14	0.27	0.749	0.640	0.540	0.463			
12-13	0.46	0.60	0.60	0.70	0.36	-0.14	0.22	0.590	0.502	0.420	0.361			
13-14	0.50	0.61	0.54	0.69	0.26	-0.11	0.14	0.424	0.364	0.308	0.262			
14-15	0.47	0.60	0.48	0.65	0.25	-0.13	0.12	0.512	0.445	0.378	0.326			
15-16	0.47	0.60	0.48	0.65	0.10	-0.13	-0.04	0.220	0.197	0.169	0.145			
16-17	0.50	0.60	0.50	0.64	0.02	-0.10	-0.08	0.007	0.006	0.005	0.004			
17-18	0.51	0.60	0.50	0.64	0.03	-0.09	-0.06	0.0	0.0	0.0	0.0			
18-19	0.53	0.60	0.52	0.64	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0			
19-20	0.54	0.60	0.53	0.64	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0			
20-21	0.59	0.62	0.57	0.64	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0			
21-22	0.60	0.63	0.58	0.65	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0			
22-23	0.58	0.62	0.57	0.65	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0			
23-24	0.59	0.63	0.57	0.66	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0			
TOTAL	12.78	14.40	14.43	16.30	2.29	-1.62	0.67							

SHORTWAVE RADIATION (MJ/M**2)												
APR. 4	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HRUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.06	0.04	0.03	0.03	0.05	0.03	0.02	0.01	0.06	0.0	0.05	0.01
8-9	0.17	0.12	0.08	0.07	0.14	0.09	0.06	0.05	0.16	0.03	0.13	0.04
9-10	0.27	0.18	0.12	0.10	0.23	0.15	0.10	0.08	0.26	0.06	0.21	0.07
10-11	0.40	0.28	0.21	0.16	0.35	0.23	0.15	0.13	0.39	0.13	0.31	0.11
11-12	0.46	0.32	0.22	0.19	0.40	0.26	0.18	0.15	0.45	0.15	0.36	0.13
12-13	0.45	0.31	0.22	0.18	0.39	0.26	0.17	0.14	0.44	0.15	0.36	0.12
13-14	0.41	0.29	0.20	0.17	0.35	0.23	0.16	0.12	0.40	0.13	0.32	0.12
14-15	0.32	0.22	0.16	0.13	0.28	0.19	0.13	0.11	0.31	0.10	0.26	0.09
15-16	0.21	0.15	0.10	0.08	0.18	0.12	0.08	0.07	0.20	0.05	0.17	0.06
16-17	0.06	0.04	0.02	0.02	0.05	0.03	0.02	0.01	0.06	0.0	0.06	0.01
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	2.80	1.95	1.37	1.14	2.44	1.60	1.05	0.87	2.74	0.79	2.24	0.76

LONGWAVE RADIATION (MJ/M**2)												
APR. 4	(SURFACE)				(SURFACE)			DIRECT RADIATION (KW/M**2)				
HRUR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.66	0.65	0.64	0.66	0.0	0.00	0.00	0.0	0.0	0.0	0.0	
1-2	0.67	0.67	0.66	0.67	0.0	0.01	0.01	0.0	0.0	0.0	0.0	
2-3	0.66	0.67	0.64	0.68	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	
3-4	0.72	0.69	0.70	0.69	0.0	0.03	0.03	0.0	0.0	0.0	0.0	
4-5	0.74	0.70	0.73	0.71	0.0	0.04	0.04	0.0	0.0	0.0	0.0	
5-6	0.75	0.71	0.75	0.71	0.0	0.04	0.04	0.0	0.0	0.0	0.0	
6-7	0.74	0.71	0.74	0.72	0.0	0.03	0.03	0.0	0.0	0.0	0.0	
7-8	0.74	0.72	0.73	0.72	0.01	0.02	0.03	0.0	0.0	0.0	0.0	
8-9	0.73	0.73	0.72	0.73	0.03	0.00	0.03	0.0	0.0	0.0	0.0	
9-10	0.76	0.74	0.76	0.74	0.03	0.02	0.06	0.0	0.0	0.0	0.0	
10-11	0.76	0.74	0.75	0.75	0.05	0.02	0.06	0.0	0.0	0.0	0.0	
11-12	0.76	0.75	0.75	0.75	0.06	0.01	0.06	0.0	0.0	0.0	0.0	
12-13	0.77	0.75	0.75	0.76	0.05	0.01	0.07	0.0	0.0	0.0	0.0	
13-14	0.75	0.76	0.75	0.76	0.05	-0.00	0.05	0.0	0.0	0.0	0.0	
14-15	0.76	0.76	0.75	0.76	0.04	-0.00	0.03	0.0	0.0	0.0	0.0	
15-16	0.77	0.76	0.76	0.77	0.04	0.00	0.04	0.0	0.0	0.0	0.0	
16-17	0.78	0.77	0.78	0.77	0.01	0.01	0.03	0.0	0.0	0.0	0.0	
17-18	0.78	0.77	0.78	0.77	0.0	0.02	0.02	0.0	0.0	0.0	0.0	
18-19	0.78	0.76	0.77	0.78	0.0	0.02	0.02	0.0	0.0	0.0	0.0	
19-20	0.78	0.76	0.77	0.78	0.0	0.02	0.02	0.0	0.0	0.0	0.0	
20-21	0.77	0.75	0.76	0.78	0.0	0.02	0.02	0.0	0.0	0.0	0.0	
21-22	0.77	0.76	0.76	0.78	0.0	0.01	0.01	0.0	0.0	0.0	0.0	
22-23	0.77	0.76	0.75	0.79	0.0	0.01	0.01	0.0	0.0	0.0	0.0	
23-24	0.74	0.76	0.73	0.79	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	
TOTAL	17.90	17.50	17.68	17.83	0.37	0.31	0.67					





APR. 6	SHORTWAVE RADIATION (MJ/M**2)												
	HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
		(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.08*	0.06	0.04	0.04	0.03	0.02	0.01	0.01	0.04	0.0	0.06	0.02	
8-9	0.44*	0.39	0.29	0.22	0.17	0.12	0.09	0.07	0.24	0.10	0.25	0.13	
9-10	0.67*	0.57	0.39	0.36	0.31	0.22	0.15	0.14	0.52	0.23	0.75	0.23	
10-11	0.75	0.53	0.42	0.41	0.42	0.29	0.19	0.18	0.72	0.33	0.66	0.30	
11-12	0.81	0.99	0.47	0.46	0.52	0.46	0.21	0.20	0.82	0.39	0.71	0.36	
12-13	0.82	0.99	0.48	0.45	0.47	0.99	0.24	0.21	0.82	0.39	0.73	0.37	
13-14	0.72	0.99	0.42	0.40	0.36	0.99	0.18	0.16	0.71	0.33	0.84	0.34	
14-15	0.57	0.99	0.33	0.32	0.26	0.99	0.13	0.11	0.55	0.24	0.53	0.28	
15-16	0.35	0.99	0.19	0.19	0.16	0.99	0.07	0.07	0.33	0.11	0.34	0.19	
16-17	0.13	0.99	0.05	0.06	0.05	0.99	0.02	0.02	0.10	0.0	0.13	0.08	
17-18	0.0	0.99	0.0	0.01	0.0	0.99	0.0	0.0	0.0	0.0	0.00	0.0	
18-19	0.0	0.99	0.0	0.0	0.0	0.99	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.99	0.0	0.01	0.0	0.99	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.99	0.0	0.0	0.0	0.99	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.99	0.0	0.0	0.0	0.99	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.99	0.0	0.0	0.0	0.99	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.99	0.0	0.0	0.0	0.99	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	5.35	0.99	3.08	2.93	2.75	0.99	1.28	1.17	4.86	2.12	4.99	2.31	

APR. 6	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
	(SURFACE)		(30M)		SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD							
0-1	0.46	0.63	0.46	0.65	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0
1-2	0.46	0.63	0.45	0.65	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0
2-3	0.45	0.62	0.45	0.64	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0
3-4	0.45	0.62	0.45	0.64	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0
4-5	0.45	0.62	0.44	0.64	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0
5-6	0.47	0.62	0.44	0.65	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0
6-7	0.47	0.62	0.43	0.65	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0
7-8	0.47	0.62	0.44	0.65	0.05	-0.15	-0.10	0.066	0.048	0.046	0.039
8-9	0.47	0.62	0.44	0.66	0.27	-0.15	0.12	0.444	0.397	0.361	0.316
9-10	0.46	0.64	0.45	0.68	0.36	-0.18	0.19	0.692	0.625	0.539	0.469
10-11	0.47	0.65	0.45	0.68	0.33	-0.18	0.15	0.800	0.696	0.593	0.512
11-12	0.47	0.65	0.44	0.67	0.29	-0.18	0.11	0.810	0.697	0.591	0.509
12-13	0.47	0.64	0.45	0.67	0.35	-0.18	0.18	0.820	0.705	0.597	0.516
13-14	0.47	0.64	0.45	0.67	0.37	-0.18	0.19	0.773	0.668	0.570	0.494
14-15	0.46	0.64	0.45	0.67	0.30	-0.18	0.13	0.708	0.633	0.546	0.477
15-16	0.46	0.63	0.45	0.66	0.19	-0.17	0.02	0.560	0.510	0.451	0.398
16-17	0.44	0.62	0.44	0.65	0.08	-0.17	-0.09	0.221	0.208	0.193	0.167
17-18	0.43	0.61	0.42	0.63	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0
18-19	0.44	0.60	0.41	0.63	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0
19-20	0.44	0.59	0.40	0.62	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0
20-21	0.43	0.58	0.40	0.61	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0
21-22	0.46	0.59	0.40	0.60	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0
22-23	0.47	0.59	0.40	0.60	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0
23-24	0.47	0.59	0.40	0.60	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0
TOTAL	11.00	14.86	10.40	15.46	2.60	-3.85	-1.25				

SHORTWAVE RADIATION (MJ/M**2)													
APR. 7	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	HOUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	9.99	0.0	0.17	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	9.99	0.0	0.01	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	9.99	0.0	0.0	0.0	9.99	0.00	0.0	0.0	0.0	0.0	0.01	0.0
3-4	0.0	9.99	0.0	0.02	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.01	0.00
4-5	0.0	9.99	0.01	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.01	0.00
5-6	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.01	0.0
6-7	0.0	9.99	0.0	0.38	0.0	9.99	0.00	0.00	0.00	0.0	0.0	0.00	0.00
7-8	0.08*	9.99	0.01	0.08	0.02	9.99	0.01	0.01	0.01	0.04	0.0	0.03	0.01
8-9	0.17*	9.99	0.10	0.12	0.13	9.99	0.06	0.06	0.06	0.19	0.07	0.16	0.05
9-10	0.36*	9.99	0.21	0.19	0.28	9.99	0.14	0.13	0.13	0.42	0.21	0.32	0.17
10-11	0.57	9.99	0.33	0.31	0.40	9.99	0.21	0.18	0.18	0.64	0.33	0.50	0.27
11-12	0.65	9.99	0.37	0.36	0.47	9.99	0.24	0.21	0.21	0.73	0.36	0.57	0.31
12-13	0.61	9.99	0.36	0.33	0.47	9.99	0.25	0.22	0.22	0.70	0.33	0.54	0.27
13-14	0.52	9.99	0.30	0.24	0.40	9.99	0.21	0.18	0.18	0.57	0.27	0.43	0.24
14-15	0.36	9.99	0.21	0.14	0.29	9.99	0.15	0.13	0.13	0.38	0.16	0.30	0.14
15-16	0.22	9.99	0.13	0.08	0.17	9.99	0.09	0.08	0.08	0.22	0.09	0.18	0.09
16-17	0.05	9.99	0.03	0.01	0.04	9.99	0.02	0.02	0.02	0.06	0.01	0.03	0.00
17-18	0.0	9.99	0.0	0.0	0.0	9.99	0.00	0.00	0.00	0.00	0.0	0.0	0.0
18-19	0.0	9.99	0.0	0.18	0.0	9.99	0.00	0.00	0.00	0.00	0.0	0.0	0.0
19-20	0.0	9.99	0.0	0.0	0.0	9.99	0.01	0.00	0.00	0.00	0.0	0.0	0.0
20-21	0.0	9.99	0.0	0.0	0.0	9.99	0.00	0.00	0.00	0.0	0.0	0.00	0.0
21-22	0.0	9.99	0.0	0.99	0.0	9.99	0.00	0.0	0.0	0.0	0.0	0.00	0.0
22-23	0.0	9.99	0.0	0.0	0.0	9.99	0.00	0.00	0.00	0.0	0.0	0.0	0.0
23-24	0.0	9.99	0.0	0.35	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	3.57	99.99	2.06	3.96	2.68	99.99	1.41	1.22	1.22	3.95	1.84	3.10	1.55

APR. 7	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
	HOUR	(SURFACE)		(30M)		(SURFACE)		(BLANK) (530) (630) (695)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL					
0-1	0.49	0.59	0.41	0.60	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0
1-2	0.50	0.59	0.42	0.61	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0
2-3	0.51	0.60	0.43	0.61	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0
3-4	0.52	0.61	0.42	0.62	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0
4-5	0.52	0.60	0.41	0.61	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0
5-6	0.51	0.60	0.43	0.60	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0
6-7	0.51	0.60	0.37	0.60	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0
7-8	0.51	0.60	0.38	0.60	0.05	-0.09	-0.04	0.0	0.0	0.0	0.0	0.0
8-9	0.51	0.61	0.41	0.61	0.04	-0.10	-0.06	0.0	0.0	0.0	0.0	0.0
9-10	0.48	0.61	0.39	0.61	0.08	-0.13	-0.05	0.013	0.011	0.009	0.004	
10-11	0.47	0.62	0.39	0.63	0.16	-0.15	0.01	0.057	0.048	0.041	0.032	
11-12	0.48	0.62	0.40	0.63	0.18	-0.13	0.05	0.051	0.040	0.036	0.025	
12-13	0.50	0.62	0.43	0.62	0.14	-0.11	0.03	0.022	0.013	0.011	0.004	
13-14	0.53	0.61	0.46	0.62	0.11	-0.08	0.03	0.003	0.001	0.000	0.0	
14-15	0.54	0.61	0.43	0.60	0.07	-0.07	-0.00	0.0	0.0	0.0	0.0	
15-16	0.56	0.61	0.48	0.63	0.04	-0.05	-0.01	0.0	0.0	0.0	0.0	
16-17	0.56	0.60	0.49	0.58	0.01	-0.04	-0.03	0.0	0.0	0.0	0.0	
17-18	0.56	0.60	0.49	0.61	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
18-19	0.56	0.60	0.49	0.62	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	
19-20	0.56	0.59	0.49	0.58	0.0	-0.03	-0.03	0.000	0.0	0.0	0.0	
20-21	0.56	0.60	0.48	0.59	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
21-22	0.56	0.59	0.47	0.62	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
22-23	0.55	0.59	0.46	0.59	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
23-24	0.55	0.59	0.46	0.58	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
TOTAL	12.59	14.45	10.48	14.59	0.89	-1.86	-0.97					

APR. 8		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.00	0.0	0.0	0.01	0.0	
1-2	0.0	9.99	0.0	0.18	0.0	9.99	0.0	0.00	0.0	0.0	0.00	0.01	
2-3	0.0	9.99	0.0	0.0	0.0	9.99	0.00	0.00	0.0	0.0	0.01	0.0	
3-4	0.0	9.99	0.0	0.16	0.0	9.99	0.0	0.00	0.0	0.0	0.01	0.0	
4-5	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.00	0.0	0.0	0.01	0.0	
6-7	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.01	0.0	0.01	0.01	
7-8	0.02	9.99	0.01	0.0	0.01	9.99	0.01	0.00	0.02	0.0	0.02	0.01	
8-9	0.12*	9.99	0.06	0.04	0.10	9.99	0.04	0.04	0.13	0.02	0.09	0.03	
9-10	0.26*	9.99	0.14	0.08	0.22	9.99	0.10	0.09	0.27	0.09	0.15	0.10	
10-11	0.36*	9.99	0.20	0.19	0.32	9.99	0.16	0.14	0.39	0.13	0.28	0.11	
11-12	0.43*	9.99	0.24	0.17	0.37	9.99	0.18	0.16	0.46	0.17	0.32	0.15	
12-13	0.45*	9.99	0.25	0.18	0.38	9.99	0.19	0.16	0.45	0.19	0.32	0.16	
13-14	0.45*	9.99	0.26	0.20	0.38	9.99	0.19	0.17	0.45	0.19	0.32	0.17	
14-15	0.29*	9.99	0.17	0.14	0.24	9.99	0.12	0.10	0.30	0.14	0.22	0.11	
15-16	0.15*	9.99	0.08	0.05	0.12	9.99	0.05	0.04	0.14	0.02	0.10	0.05	
16-17	0.02*	9.99	0.01	0.01	0.02	9.99	0.00	0.0	0.02	0.0	0.02	0.0	
17-18	0.0	9.99	0.0	0.05	0.0	9.99	0.0	0.0	0.0	0.0	0.01	0.0	
18-19	0.0	9.99	0.0	0.10	0.0	9.99	0.0	0.0	0.0	0.0	0.00	0.0	
19-20	0.0	9.99	0.0	0.08	0.0	9.99	0.0	0.0	0.0	0.0	0.00	0.0	
20-21	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.01	0.0	
21-22	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.01	0.0	
22-23	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.01	0.0	0.01	0.00	
23-24	0.0	9.99	0.0	0.02	0.0	9.99	0.0	0.0	0.0	0.0	0.01	0.0	
TOTAL	2.56	99.99	1.40	1.66	2.15	99.99	1.04	0.91	2.64	0.95	1.92	0.91	

APR. 8		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE						
0-1	0.54	0.59	0.46	0.59	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0
1-2	0.54	0.59	0.46	0.61	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0
2-3	0.54	0.59	0.44	0.61	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0
3-4	0.55	0.60	0.48	0.59	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0
4-5	0.59	0.61	0.54	0.59	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0
5-6	0.59	0.62	0.52	0.62	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0
6-7	0.57	0.62	0.50	0.62	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0
7-8	0.60	0.62	0.54	0.63	0.00	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0
8-9	0.57	0.62	0.50	0.64	0.02	-0.04	-0.02	0.0	0.0	0.0	0.0	0.0
9-10	0.60	0.62	0.54	0.65	0.04	-0.02	0.01	0.0	0.0	0.0	0.0	0.0
10-11	0.62	0.63	0.60	0.63	0.05	-0.01	0.04	0.0	0.0	0.0	0.0	0.0
11-12	0.62	0.63	0.60	0.65	0.05	-0.00	0.05	0.000	0.0	0.0	0.0	0.0
12-13	0.62	0.64	0.58	0.65	0.07	-0.02	0.05	0.0	0.0	0.0	0.0	0.0
13-14	0.62	0.64	0.58	0.63	0.08	-0.03	0.05	0.003	0.001	0.001	0.0	0.0
14-15	0.54	0.63	0.48	0.60	0.05	-0.09	-0.04	0.007	0.004	0.003	0.0	0.0
15-16	0.56	0.63	0.51	0.63	0.03	-0.06	-0.03	0.0	0.0	0.0	0.0	0.0
16-17	0.52	0.62	0.47	0.63	0.01	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0
17-18	0.48	0.61	0.43	0.62	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0
18-19	0.48	0.60	0.42	0.61	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0
19-20	0.49	0.60	0.43	0.60	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0
20-21	0.49	0.60	0.43	0.59	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0
21-22	0.49	0.60	0.43	0.60	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0
22-23	0.49	0.59	0.43	0.60	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0
23-24	0.48	0.59	0.41	0.60	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0
TOTAL	13.19	14.68	11.78	14.79	0.40	-1.49	-1.09					

APR. 9 HOUR	SHORTWAVE RADIATION (MJ/M**2)											
	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.0	9.99	0.0	0.10	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.0	9.99	0.0	0.08	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.01
6- 7	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
7- 8	0.02	9.99	0.01	0.00	0.01	9.99	0.00	0.00	0.04	0.0	0.02	0.00
8- 9	0.12	9.99	0.06	0.05	0.09	9.99	0.03	0.03	0.11	0.03	0.08	0.04
9-10	0.33	9.99	0.20	0.19	0.25	9.99	0.13	0.12	0.39	0.21	0.27	0.17
10-11	0.53	9.99	0.31	0.28	0.38	9.99	0.21	0.18	0.61	0.31	0.42	0.26
11-12	0.66	9.99	0.38	0.35	0.46	9.99	0.25	0.21	0.75	0.38	0.51	0.33
12-13	0.71	9.99	0.40	0.37	0.48	9.99	0.26	0.22	0.77	0.37	0.54	0.35
13-14	0.69	9.99	0.36	0.35	0.42	9.99	0.23	0.19	0.68	0.32	0.49	0.32
14-15	0.51	9.99	0.26	0.26	0.31	9.99	0.17	0.14	0.52	0.22	0.39	0.25
15-16	0.25	9.99	0.13	0.13	0.16	9.99	0.09	0.08	0.28	0.08	0.24	0.16
16-17	0.12	9.99	0.02	0.05	0.03	9.99	0.01	0.01	0.06	0.0	0.06	0.02
17-18	0.0	9.99	0.0	0.01	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	9.99	0.0	0.02	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	9.99	0.0	0.01	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	3.94	99.99	2.13	2.26	2.61	99.99	1.40	1.18	4.21	1.93	3.04	1.91

APR. 9 HOUR	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL				
0- 1	0.48	0.59	0.42	0.59	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0
1- 2	0.48	0.59	0.42	0.61	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0
2- 3	0.48	0.60	0.41	0.60	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0
3- 4	0.49	0.60	0.40	0.61	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0
4- 5	0.49	0.60	0.42	0.60	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0
5- 6	0.49	0.60	0.42	0.61	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0
6- 7	0.49	0.60	0.42	0.61	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0
7- 8	0.49	0.60	0.42	0.61	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0
8- 9	0.49	0.61	0.43	0.62	0.03	-0.12	-0.09	0.002	0.001	0.001	0.0
9-10	0.48	0.62	0.43	0.63	0.07	-0.13	-0.06	0.052	0.045	0.038	0.028
10-11	0.48	0.62	0.43	0.64	0.15	-0.15	-0.00	0.164	0.141	0.119	0.103
11-12	0.46	0.63	0.42	0.65	0.20	-0.17	0.03	0.291	0.244	0.210	0.181
12-13	0.46	0.63	0.41	0.65	0.24	-0.18	0.06	0.408	0.348	0.296	0.256
13-14	0.44	0.63	0.41	0.66	0.26	-0.19	0.08	0.461	0.391	0.337	0.295
14-15	0.44	0.63	0.40	0.66	0.19	-0.19	0.01	0.410	0.340	0.305	0.263
15-16	0.45	0.63	0.41	0.65	0.09	-0.18	-0.09	0.214	0.175	0.164	0.142
16-17	0.44	0.62	0.41	0.64	0.09	-0.18	-0.09	0.014	0.011	0.011	0.007
17-18	0.44	0.61	0.40	0.64	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0
18-19	0.44	0.61	0.40	0.63	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0
19-20	0.44	0.60	0.40	0.63	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0
20-21	0.45	0.60	0.41	0.63	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0
21-22	0.45	0.60	0.40	0.62	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0
22-23	0.45	0.59	0.41	0.62	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0
23-24	0.45	0.60	0.40	0.62	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0
TOTAL	11.15	14.62	9.89	15.03	1.33	-3.47	-2.14				

SHORTWAVE RADIATION (MJ/M**2)													
APR. 10	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
HRUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	9.99	0.0	0.01	0.0	9.99	0.0	0.0	0.0	0.0	0.00	0.0	
1-2	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.00	0.0	
2-3	0.0	9.99	0.0	0.14	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.00	0.0	
4-5	0.0	9.99	0.0	0.10	0.0	9.99	0.0	0.0	0.10	0.0	0.00	0.0	
5-6	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.00	0.0	
6-7	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.00	0.0	
7-8	0.01	9.99	0.0	0.0	0.01	9.99	0.0	0.0	0.02	0.0	0.02	0.00	
8-9	0.00*	9.99	0.04	0.04	0.07	9.99	0.02	0.02	0.00	0.0	0.06	0.02	
9-10	0.18*	9.99	0.09	0.06	0.17	9.99	0.07	0.06	0.18	0.02	0.14	0.05	
10-11	0.29*	9.99	0.14	0.11	0.26	9.99	0.11	0.10	0.30	0.07	0.21	0.09	
11-12	0.38	9.99	0.18	0.17	0.33	9.99	0.15	0.12	0.38	0.13	0.26	0.11	
12-13	0.38	9.99	0.18	0.15	0.33	9.99	0.14	0.12	0.37	0.12	0.26	0.11	
13-14	0.32	9.99	0.15	0.12	0.28	9.99	0.12	0.10	0.33	0.10	0.23	0.09	
14-15	0.22	9.99	0.11	0.08	0.19	9.99	0.08	0.07	0.22	0.06	0.16	0.06	
15-16	0.11	9.99	0.05	0.03	0.09	9.99	0.03	0.03	0.10	0.01	0.08	0.02	
16-17	0.02	9.99	0.01	0.01	0.01	9.99	0.00	0.00	0.02	0.0	0.02	0.00	
17-18	0.0	9.99	0.0	0.02	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	9.99	0.0	0.02	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	1.98	99.99	0.94	1.06	1.74	99.99	0.73	0.62	2.00	0.49	1.44	0.55	

APR. 10	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HRUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL				
0-1	0.45	0.59	0.39	0.62	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0
1-2	0.50	0.60	0.45	0.62	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0
2-3	0.52	0.60	0.46	0.62	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0
3-4	0.57	0.62	0.53	0.63	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0
4-5	0.56	0.62	0.52	0.64	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0
5-6	0.56	0.62	0.52	0.64	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0
6-7	0.66	0.64	0.65	0.65	0.0	0.02	0.02	0.0	0.0	0.0	0.0
7-8	0.68	0.66	0.67	0.66	0.00	0.02	0.02	0.0	0.0	0.0	0.0
8-9	0.69	0.68	0.69	0.68	0.00	0.01	0.02	0.0	0.0	0.0	0.0
9-10	0.70	0.69	0.70	0.69	0.02	0.01	0.02	0.0	0.0	0.0	0.0
10-11	0.71	0.70	0.72	0.71	0.03	0.00	0.03	0.0	0.0	0.0	0.0
11-12	0.72	0.72	0.72	0.73	0.05	-0.00	0.05	0.0	0.0	0.0	0.0
12-13	0.74	0.73	0.74	0.75	0.05	0.01	0.06	0.0	0.0	0.0	0.0
13-14	0.75	0.74	0.75	0.76	0.04	0.01	0.05	0.0	0.0	0.0	0.0
14-15	0.76	0.74	0.75	0.77	0.03	0.02	0.05	0.0	0.0	0.0	0.0
15-16	0.77	0.75	0.76	0.77	0.01	0.02	0.03	0.0	0.0	0.0	0.0
16-17	0.78	0.76	0.77	0.78	0.01	0.02	0.03	0.0	0.0	0.0	0.0
17-18	0.78	0.77	0.78	0.78	0.0	0.02	0.02	0.0	0.0	0.0	0.0
18-19	0.79	0.76	0.78	0.79	0.0	0.02	0.02	0.0	0.0	0.0	0.0
19-20	0.79	0.77	0.78	0.79	0.0	0.02	0.02	0.0	0.0	0.0	0.0
20-21	0.79	0.77	0.79	0.80	0.0	0.02	0.02	0.0	0.0	0.0	0.0
21-22	0.80	0.79	0.79	0.80	0.0	0.01	0.01	0.0	0.0	0.0	0.0
22-23	0.80	0.79	0.80	0.80	0.0	0.01	0.01	0.0	0.0	0.0	0.0
23-24	0.81	0.79	0.81	0.81	0.0	0.02	0.02	0.0	0.0	0.0	0.0
TOTAL	16.66	16.91	16.32	17.28	0.24	-0.25	-0.00				

SHORTWAVE RADIATION (MJ/M**2)												
APR. 11												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	9.99	0.0	0.01	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.00	9.99	0.0	0.0	0.00	9.99	0.0	0.0	0.0	0.0	0.00	0.0
8-9	0.06	9.99	0.02	0.0	0.05	9.99	0.01	0.01	0.06	0.0	0.05	0.00
9-10	0.16	9.99	0.06	0.04	0.15	9.99	0.05	0.04	0.16	0.02	0.14	0.03
10-11	0.26	9.99	0.10	0.09	0.24	9.99	0.09	0.07	0.26	0.05	0.22	0.06
11-12	0.32	9.99	0.13	0.12	0.30	9.99	0.12	0.09	0.32	0.08	0.29	0.07
12-13	0.35	9.99	0.16	0.11	0.31	9.99	0.11	0.10	0.35	0.14	0.30	0.10
13-14	0.27	9.99	0.12	0.09	0.26	9.99	0.09	0.07	0.28	0.10	0.26	0.07
14-15	0.18	9.99	0.07	0.06	0.16	9.99	0.05	0.04	0.18	0.02	0.16	0.04
15-16	0.08	9.99	0.03	0.0	0.07	9.99	0.02	0.02	0.08	0.0	0.08	0.01
16-17	0.02	9.99	0.0	0.0	0.01	9.99	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	9.99	0.0	0.04	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	1.70	99.99	0.69	0.56	1.55	99.99	0.54	0.44	1.70	0.41	1.50	0.38

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
APR. 11												
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.82	0.79	0.81	0.82	0.0	0.03	0.03	0.0	0.0	0.0	0.0	
1-2	0.82	0.79	0.81	0.82	0.0	0.03	0.03	0.0	0.0	0.0	0.0	
2-3	0.82	0.80	0.81	0.82	0.0	0.02	0.02	0.0	0.0	0.0	0.0	
3-4	0.83	0.81	0.82	0.83	0.0	0.02	0.02	0.0	0.0	0.0	0.0	
4-5	0.83	0.81	0.82	0.83	0.0	0.02	0.02	0.0	0.0	0.0	0.0	
5-6	0.83	0.82	0.82	0.83	0.0	0.01	0.01	0.0	0.0	0.0	0.0	
6-7	0.85	0.83	0.84	0.85	0.0	0.02	0.02	0.0	0.0	0.0	0.0	
7-8	0.85	0.83	0.84	0.85	0.00	0.02	0.02	0.0	0.0	0.0	0.0	
8-9	0.85	0.83	0.84	0.85	0.01	0.02	0.03	0.0	0.0	0.0	0.0	
9-10	0.85	0.84	0.84	0.85	0.01	0.01	0.02	0.0	0.0	0.0	0.0	
10-11	0.85	0.84	0.85	0.86	0.02	0.01	0.03	0.0	0.0	0.0	0.0	
11-12	0.86	0.85	0.85	0.86	0.02	0.01	0.03	0.0	0.0	0.0	0.0	
12-13	0.87	0.86	0.87	0.86	0.04	0.01	0.05	0.0	0.0	0.0	0.0	
13-14	0.88	0.86	0.88	0.86	0.01	0.02	0.03	0.0	0.0	0.0	0.0	
14-15	0.88	0.86	0.87	0.88	0.01	0.01	0.03	0.0	0.0	0.0	0.0	
15-16	0.88	0.87	0.86	0.88	0.01	0.01	0.02	0.0	0.0	0.0	0.0	
16-17	0.89	0.88	0.89	0.88	0.01	0.01	0.02	0.0	0.0	0.0	0.0	
17-18	0.88	0.87	0.88	0.87	0.0	0.01	0.01	0.0	0.0	0.0	0.0	
18-19	0.87	0.86	0.87	0.87	0.0	0.02	0.02	0.0	0.0	0.0	0.0	
19-20	0.87	0.86	0.87	0.86	0.0	0.01	0.01	0.0	0.0	0.0	0.0	
20-21	0.85	0.85	0.85	0.85	0.0	0.00	0.00	0.0	0.0	0.0	0.0	
21-22	0.86	0.85	0.86	0.85	0.0	0.01	0.01	0.0	0.0	0.0	0.0	
22-23	0.86	0.84	0.84	0.85	0.0	0.02	0.02	0.0	0.0	0.0	0.0	
23-24	0.85	0.84	0.84	0.85	0.0	0.01	0.01	0.0	0.0	0.0	0.0	
TOTAL	20.50	20.14	20.32	20.40	0.15	0.36	0.50					

APR. 12													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.10	9.99	0.03	0.02	0.08	9.99	0.02	0.02	0.05	0.01	0.04	0.02	
9-10	0.27	9.99	0.15	0.12	0.23	9.99	0.11	0.10	0.28	0.10	0.24	0.09	
10-11	0.43	9.99	0.23	0.15	0.36	9.99	0.17	0.15	0.44	0.17	0.36	0.13	
11-12	0.61	9.99	0.33	0.25	0.53	9.99	0.26	0.22	0.62	0.25	0.52	0.20	
12-13	0.51	9.99	0.27	0.23	0.43	9.99	0.21	0.17	0.51	0.20	0.43	0.16	
13-14	0.32	9.99	0.16	0.13	0.27	9.99	0.12	0.10	0.33	0.10	0.27	0.09	
14-15	0.22	9.99	0.11	0.09	0.19	9.99	0.09	0.07	0.22	0.05	0.19	0.06	
15-16	0.11	9.99	0.05	0.04	0.09	9.99	0.03	0.03	0.10	0.01	0.09	0.02	
16-17	0.02	9.99	0.0	0.05	0.01	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	9.99	0.0	0.05	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	2.60	99.99	1.33	1.14	2.20	99.99	1.03	0.86	2.56	0.89	2.14	0.78	

APR. 12													
LONGWAVE RADIATION (MJ/M**2)					NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE							
0-1	0.85	0.84	0.83	0.86	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
1-2	0.86	0.83	0.84	0.85	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
2-3	0.84	0.84	0.83	0.85	0.0	0.00	0.00	0.0	0.0	0.0	0.0		
3-4	0.81	0.83	0.79	0.85	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
4-5	0.78	0.83	0.77	0.83	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
5-6	0.78	0.82	0.78	0.82	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
6-7	0.77	0.81	0.76	0.82	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
7-8	0.77	0.81	0.77	0.81	0.0	-0.04	-0.04	9.990	9.990	9.990	9.990		
8-9	0.76	0.80	0.75	0.81	0.02	-0.04	-0.02	9.990	9.990	9.990	9.990		
9-10	0.73	0.80	0.71	0.81	0.05	-0.07	-0.03	9.990	9.990	9.990	9.990		
10-11	0.76	0.80	0.76	0.80	0.07	-0.04	0.04	9.990	9.990	9.990	9.990		
11-12	0.80	0.82	0.79	0.82	0.08	-0.02	0.06	9.990	9.990	9.990	9.990		
12-13	0.80	0.82	0.78	0.83	0.08	-0.03	0.05	9.990	9.990	9.990	9.990		
13-14	0.80	0.82	0.79	0.82	0.05	-0.02	0.03	9.990	9.990	9.990	9.990		
14-15	0.80	0.81	0.79	0.82	0.03	-0.01	0.03	9.990	9.990	9.990	9.990		
15-16	0.81	0.81	0.79	0.81	0.02	0.01	0.02	9.990	9.990	9.990	9.990		
16-17	0.80	0.80	0.79	0.80	0.00	0.00	0.01	9.990	9.990	9.990	9.990		
17-18	0.78	0.79	0.78	0.79	0.0	-0.00	-0.00	9.990	9.990	9.990	9.990		
18-19	0.72	0.77	0.69	0.79	0.0	-0.05	-0.05	9.990	9.990	9.990	9.990		
19-20	0.67	0.76	0.63	0.78	0.0	-0.09	-0.09	9.990	9.990	9.990	9.990		
20-21	0.67	0.76	0.63	0.78	0.0	-0.09	-0.09	9.990	9.990	9.990	9.990		
21-22	0.62	0.75	0.57	0.77	0.0	-0.13	-0.13	9.990	9.990	9.990	9.990		
22-23	0.58	0.75	0.53	0.77	0.0	-0.16	-0.16	9.990	9.990	9.990	9.990		
23-24	0.57	0.74	0.53	0.77	0.0	-0.18	-0.18	9.990	9.990	9.990	9.990		
TOTAL	18.14	19.19	17.68	19.45	0.40	-1.05	-0.66						

SHORTWAVE RADIATION (MJ/M**2)												
APR. 13												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.13	9.99	0.06	0.11	0.02	9.99	0.02	0.02	0.04	0.0	0.03	0.01
8-9	0.10*	9.99	0.05	0.04	0.07	9.99	0.04	0.03	0.09	0.01	0.09	0.03
9-10	0.23*	9.99	0.14	0.12	0.19	9.99	0.09	0.08	0.23	0.08	0.20	0.08
10-11	0.36*	9.99	0.21	0.19	0.28	9.99	0.14	0.12	0.36	0.15	0.31	0.14
11-12	0.49*	9.99	0.28	0.26	0.37	9.99	0.19	0.16	0.47	0.22	0.44	0.21
12-13	0.50*	9.99	0.29	0.27	0.37	9.99	0.20	0.15	0.49	0.22	0.45	0.22
13-14	0.55*	9.99	0.31	0.30	0.37	9.99	0.21	0.16	0.52	0.23	0.49	0.26
14-15	0.43*	9.99	0.24	0.22	0.27	9.99	0.15	0.12	0.39	0.15	0.39	0.22
15-16	0.20*	9.99	0.10	0.10	0.12	9.99	0.07	0.06	0.17	0.03	0.22	0.14
16-17	0.02*	9.99	0.01	0.00	0.01	9.99	0.00	0.00	0.02	0.0	0.03	0.02
17-18	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	3.01	99.99	1.68	1.61	2.08	99.99	1.10	0.91	2.78	1.10	2.66	1.33

LONGWAVE RADIATION (MJ/M**2)											
APR. 13											
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)			
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)
0-1	0.56	0.74	0.53	0.77	0.0	-0.18	-0.18	9.990	9.990	9.990	9.990
1-2	0.54	0.74	0.51	0.76	0.0	-0.20	-0.20	9.990	9.990	9.990	9.990
2-3	0.54	0.73	0.52	0.75	0.0	-0.19	-0.19	9.990	9.990	9.990	9.990
3-4	0.63	0.73	0.61	0.76	0.0	-0.10	-0.10	9.990	9.990	9.990	9.990
4-5	0.67	0.73	0.64	0.76	0.0	-0.06	-0.06	9.990	9.990	9.990	9.990
5-6	0.68	0.73	0.67	0.76	0.0	-0.05	-0.05	9.990	9.990	9.990	9.990
6-7	0.70	0.74	0.68	0.76	0.0	-0.04	-0.04	9.990	9.990	9.990	9.990
7-8	0.68	0.73	0.66	0.75	0.11	-0.05	0.06	9.990	9.990	9.990	9.990
8-9	0.62	0.72	0.59	0.74	0.02	-0.10	-0.08	9.990	9.990	9.990	9.990
9-10	0.55	0.71	0.53	0.74	0.04	-0.16	-0.12	9.990	9.990	9.990	9.990
10-11	0.51	0.71	0.49	0.74	0.08	-0.20	-0.12	9.990	9.990	9.990	9.990
11-12	0.48	0.71	0.47	0.74	0.13	-0.23	-0.10	9.990	9.990	9.990	9.990
12-13	0.48	0.71	0.45	0.74	0.13	-0.23	-0.11	0.230	0.202	0.155	0.151
13-14	0.47	0.71	0.45	0.74	0.18	-0.25	-0.07	0.373	0.332	0.270	0.252
14-15	0.45	0.71	0.43	0.73	0.15	-0.26	-0.10	0.450	0.413	0.346	0.320
15-16	0.45	0.70	0.42	0.72	0.07	-0.25	-0.18	0.238	0.225	0.195	0.181
16-17	0.42	0.69	0.41	0.71	0.01	-0.27	-0.26	0.019	0.018	0.015	0.015
17-18	0.42	0.68	0.41	0.69	0.0	-0.26	-0.26	0.0	0.0	0.0	0.0
18-19	0.43	0.67	0.40	0.69	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0
19-20	0.42	0.67	0.40	0.68	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0
20-21	0.42	0.66	0.41	0.68	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0
21-22	0.41	0.66	0.39	0.68	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0
22-23	0.41	0.66	0.39	0.67	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0
23-24	0.41	0.65	0.40	0.67	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0
TOTAL	12.34	16.92	11.89	17.43	0.93	-4.58	-3.65				



SHORTWAVE RADIATION (MJ/M**2)													
APR. 14													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.00	9.99	0.0	0.00	0.00	9.99	0.0	0.0	0.00	0.0	0.01	0.00	
8-9	0.17*	9.99	0.13	0.11	0.07	9.99	0.03	0.03	0.08	0.01	0.12	0.06	
9-10	0.44*	9.99	0.28	0.25	0.20	9.99	0.11	0.09	0.24	0.10	0.30	0.16	
10-11	0.51	9.99	0.30	0.28	0.32	9.99	0.17	0.13	0.48	0.21	0.46	0.24	
11-12	0.61	9.99	0.35	0.34	0.38	9.99	0.20	0.16	0.60	0.27	0.54	0.29	
12-13	0.63	9.99	0.35	0.34	0.40	9.99	0.22	0.17	0.60	0.27	0.56	0.30	
13-14	0.54	9.99	0.31	0.30	0.35	9.99	0.19	0.15	0.50	0.22	0.49	0.27	
14-15	0.39	9.99	0.22	0.20	0.25	9.99	0.14	0.11	0.36	0.12	0.36	0.21	
15-16	0.21	9.99	0.09	0.10	0.11	9.99	0.06	0.05	0.15	0.01	0.19	0.12	
16-17	0.01	9.99	0.01	0.00	0.01	9.99	0.00	0.00	0.02	0.0	0.03	0.02	
17-18	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	3.51	99.99	2.03	1.92	2.09	99.99	1.12	0.88	3.03	1.21	3.07	1.66	

LONGWAVE RADIATION (MJ/M**2)													
APR. 14													
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.40	0.65	0.40	0.67	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0		
1-2	0.40	0.65	0.40	0.67	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0		
2-3	0.40	0.65	0.40	0.67	0.0	-0.24	-0.24	0.0	0.0	0.0	0.0		
3-4	0.42	0.64	0.40	0.67	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0		
4-5	0.42	0.64	0.41	0.66	0.0	-0.21	-0.21	9.990	9.990	9.990	9.990		
5-6	0.44	0.64	0.43	0.65	0.0	-0.20	-0.20	9.990	9.990	9.990	9.990		
6-7	0.44	0.64	0.44	0.65	0.0	-0.20	-0.20	9.990	9.990	9.990	9.990		
7-8	0.44	0.64	0.43	0.65	0.00	-0.19	-0.19	9.990	9.990	9.990	9.990		
8-9	0.46	0.64	0.43	0.66	0.10	-0.18	-0.08	9.990	9.990	9.990	9.990		
9-10	0.44	0.65	0.44	0.68	0.24	-0.20	0.03	9.990	9.990	9.990	9.990		
10-11	0.46	0.66	0.45	0.69	0.19	-0.19	0.00	9.990	9.990	9.990	9.990		
11-12	0.47	0.66	0.45	0.70	0.23	-0.20	0.03	0.777	0.693	0.562	0.520		
12-13	0.47	0.67	0.46	0.70	0.23	-0.20	0.03	0.779	0.695	0.566	0.521		
13-14	0.47	0.67	0.46	0.70	0.19	-0.20	-0.01	0.685	0.615	0.507	0.469		
14-15	0.47	0.67	0.47	0.70	0.14	-0.20	-0.06	0.661	0.610	0.535	0.474		
15-16	0.46	0.66	0.47	0.69	0.09	-0.20	-0.11	0.383	0.368	0.330	0.300		
16-17	0.46	0.65	0.47	0.67	0.01	-0.20	-0.19	0.029	0.029	0.026	0.024		
17-18	0.45	0.65	0.46	0.66	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
18-19	0.46	0.64	0.45	0.65	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
19-20	0.46	0.63	0.45	0.65	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
20-21	0.46	0.63	0.45	0.64	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
21-22	0.45	0.63	0.46	0.65	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
22-23	0.45	0.62	0.45	0.64	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
23-24	0.45	0.62	0.45	0.64	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
TOTAL	10.71	15.49	10.58	15.99	1.42	-4.78	-3.36						

SHORTWAVE RADIATION (MJ/M**2)												
APR. 15												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.03	9.99	0.0	0.00	0.0	9.99	0.0	0.0	0.00	0.0	0.01	0.0
8-9	0.13*	9.99	0.09	0.08	0.08	9.99	0.04	0.04	0.07	0.01	0.11	0.06
9-10	0.34*	9.99	0.21	0.19	0.26	9.99	0.16	0.13	0.25	0.10	0.29	0.16
10-11	0.50	9.99	0.29	0.27	0.40	9.99	0.25	0.18	0.47	0.20	0.44	0.24
11-12	0.59	9.99	0.34	0.33	0.45	9.99	0.27	0.19	0.56	0.26	0.53	0.29
12-13	0.60	9.99	0.34	0.33	0.43	9.99	0.25	0.19	0.57	0.26	0.55	0.30
13-14	0.55	9.99	0.30	0.29	0.42	9.99	0.24	0.21	0.50	0.21	0.48	0.26
14-15	0.38	9.99	0.20	0.20	0.30	9.99	0.19	0.14	0.34	0.11	0.35	0.20
15-16	0.20	9.99	0.08	0.10	0.11	9.99	0.06	0.05	0.14	0.0	0.17	0.10
16-17	0.07	9.99	0.0	0.0	0.00	9.99	0.0	0.0	0.01	0.0	0.01	0.00
17-18	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	3.38	99.99	1.86	1.79	2.45	99.99	1.46	1.13	2.91	1.15	2.93	1.60

LONGWAVE RADIATION (MJ/M**2)												
APR. 15												
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.44	0.62	0.45	0.64	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
1-2	0.44	0.62	0.44	0.64	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
2-3	0.44	0.62	0.43	0.63	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
3-4	0.43	0.62	0.42	0.63	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
4-5	0.43	0.61	0.42	0.63	0.0	-0.18	-0.18	9.990	9.990	9.990	9.990	
5-6	0.42	0.61	0.42	0.63	0.0	-0.19	-0.19	9.990	9.990	9.990	9.990	
6-7	0.41	0.61	0.42	0.62	0.0	-0.20	-0.20	9.990	9.990	9.990	9.990	
7-8	0.41	0.60	0.41	0.62	0.03	-0.20	-0.17	9.990	9.990	9.990	9.990	
8-9	0.42	0.60	0.41	0.63	0.05	-0.18	-0.13	9.990	9.990	9.990	9.990	
9-10	0.43	0.61	0.42	0.64	0.08	-0.17	-0.09	9.990	9.990	9.990	9.990	
10-11	0.42	0.62	0.41	0.65	0.10	-0.20	-0.10	0.697	0.633	0.552	0.488	
11-12	0.42	0.62	0.42	0.65	0.14	-0.20	-0.06	0.743	0.667	0.576	0.507	
12-13	0.42	0.62	0.42	0.65	0.17	-0.20	-0.03	0.748	0.672	0.578	0.509	
13-14	0.43	0.63	0.42	0.66	0.13	-0.20	-0.07	0.735	0.665	0.577	0.510	
14-15	0.42	0.62	0.42	0.65	0.08	-0.20	-0.12	0.641	0.595	0.524	0.469	
15-16	0.42	0.62	0.42	0.64	0.09	-0.20	-0.11	0.404	0.389	0.355	0.322	
16-17	0.41	0.61	0.42	0.62	0.06	-0.20	-0.13	0.015	0.014	0.012	0.012	
17-18	0.40	0.60	0.41	0.61	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
18-19	0.40	0.60	0.39	0.61	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
19-20	0.40	0.59	0.39	0.61	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
20-21	0.39	0.59	0.40	0.61	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
21-22	0.39	0.59	0.40	0.61	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
22-23	0.41	0.59	0.40	0.60	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
23-24	0.42	0.59	0.42	0.60	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
TOTAL	10.03	14.59	9.98	15.10	0.93	-4.56	-3.63					

SHORTWAVE RADIATION (MJ/M**2)													
APR. 16													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.00	0.0	
8-9	0.07*	9.99	0.04	0.04	0.05	9.99	0.02	0.02	0.06	0.00	0.07	0.02	
9-10	0.26	9.99	0.17	0.15	0.18	9.99	0.10	0.08	0.23	0.09	0.23	0.12	
10-11	0.40	9.99	0.24	0.22	0.30	9.99	0.16	0.14	0.37	0.15	0.36	0.19	
11-12	0.54	9.99	0.31	0.29	0.39	9.99	0.22	0.17	0.50	0.22	0.48	0.26	
12-13	0.60	9.99	0.33	0.32	0.40	9.99	0.23	0.18	0.54	0.25	0.52	0.29	
13-14	0.52	9.99	0.28	0.27	0.35	9.99	0.20	0.16	0.45	0.19	0.46	0.25	
14-15	0.37	9.99	0.19	0.18	0.25	9.99	0.14	0.13	0.30	0.10	0.33	0.20	
15-16	0.14	9.99	0.06	0.06	0.09	9.99	0.05	0.04	0.10	0.0	0.15	0.09	
16-17	0.06	9.99	0.00	0.02	0.00	9.99	0.0	0.0	0.01	0.0	0.01	0.00	
17-18	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	9.99	0.0	0.01	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	2.97	99.99	1.61	1.56	2.01	99.99	1.13	0.92	2.56	1.00	2.60	1.41	

LONGWAVE RADIATION (MJ/M**2)													
APR. 16													
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.42	0.59	0.43	0.61	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
1-2	0.42	0.59	0.43	0.61	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
2-3	0.44	0.59	0.44	0.61	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
3-4	0.44	0.59	0.43	0.61	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
4-5	0.44	0.59	0.45	0.60	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
5-6	0.45	0.58	0.45	0.61	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
6-7	0.46	0.58	0.46	0.61	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
7-8	0.46	0.59	0.47	0.61	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
8-9	0.43	0.59	0.44	0.62	0.02	-0.16	-0.14	0.030	0.029	0.027	0.024		
9-10	0.41	0.58	0.40	0.61	0.08	-0.18	-0.10	0.301	0.282	0.251	0.225		
10-11	0.40	0.58	0.40	0.61	0.10	-0.18	-0.08	0.523	0.476	0.415	0.369		
11-12	0.40	0.58	0.41	0.61	0.15	-0.18	-0.02	0.676	0.608	0.525	0.463		
12-13	0.41	0.59	0.42	0.62	0.20	-0.18	0.02	0.743	0.666	0.575	0.509		
13-14	0.40	0.58	0.40	0.61	0.18	-0.18	0.00	0.683	0.612	0.534	0.475		
14-15	0.40	0.57	0.40	0.60	0.12	-0.17	-0.06	0.509	0.461	0.405	0.370		
15-16	0.39	0.56	0.39	0.59	0.06	-0.17	-0.11	0.186	0.170	0.153	0.144		
16-17	0.39	0.56	0.38	0.58	0.06	-0.17	-0.11	0.001	0.001	0.000	0.001		
17-18	0.38	0.56	0.39	0.58	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
18-19	0.39	0.56	0.38	0.58	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
19-20	0.38	0.56	0.38	0.58	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
20-21	0.38	0.56	0.37	0.58	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
21-22	0.38	0.56	0.37	0.57	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
22-23	0.38	0.56	0.38	0.58	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
23-24	0.39	0.57	0.39	0.59	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
TOTAL	9.84	13.79	9.83	14.37	0.95	-3.95	-2.99						

SHORTWAVE RADIATION (MJ/M**2)												
APR. 17	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HOUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.00	0.0
8-9	0.09	9.99	0.04	0.05	0.05	9.99	0.03	0.02	0.06	0.0	0.07	0.03
9-10	0.29	9.99	0.18	0.15	0.23	9.99	0.14	0.10	0.22	0.07	0.24	0.13
10-11	0.36	9.99	0.22	0.19	0.30	9.99	0.16	0.13	0.35	0.14	0.30	0.14
11-12	0.37	9.99	0.21	0.19	0.31	9.99	0.15	0.13	0.37	0.14	0.31	0.13
12-13	0.28	9.99	0.15	0.13	0.23	9.99	0.11	0.09	0.28	0.09	0.23	0.08
13-14	0.20	9.99	0.10	0.08	0.17	9.99	0.07	0.06	0.20	0.05	0.17	0.05
14-15	0.13	9.99	0.06	0.05	0.11	9.99	0.04	0.03	0.12	0.01	0.11	0.03
15-16	0.07	9.99	0.03	0.02	0.05	9.99	0.02	0.02	0.06	0.0	0.06	0.01
16-17	0.01	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.00	0.0
17-18	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	1.80	99.99	0.98	0.87	1.44	99.99	0.72	0.58	1.66	0.50	1.49	0.59

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
APR. 17	(SURFACE)		(30M)		(SURFACE)			(BLANK)				
HOUR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.39	0.56	0.38	0.58	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
1-2	0.39	0.56	0.38	0.58	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
2-3	0.39	0.57	0.39	0.59	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
3-4	0.37	0.57	0.40	0.60	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	
4-5	0.39	0.56	0.40	0.60	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
5-6	0.39	0.57	0.40	0.60	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
6-7	0.40	0.57	0.40	0.59	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
7-8	0.40	0.57	0.41	0.60	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
8-9	0.44	0.57	0.45	0.61	0.04	-0.14	-0.10	0.187	0.183	0.171	0.156	
9-10	0.46	0.58	0.47	0.63	0.07	-0.12	-0.06	0.570	0.538	0.481	0.429	
10-11	0.62	0.61	0.63	0.65	0.06	0.00	0.06	0.179	0.163	0.141	0.123	
11-12	0.71	0.66	0.72	0.69	0.07	0.05	0.12	0.025	0.023	0.018	0.015	
12-13	0.74	0.67	0.75	0.72	0.05	0.07	0.11	0.009	0.008	0.006	0.005	
13-14	0.72	0.68	0.74	0.72	0.03	0.04	0.07	0.0	0.0	0.0	0.0	
14-15	0.74	0.69	0.75	0.72	0.02	0.05	0.07	0.0	0.0	0.0	0.0	
15-16	0.78	0.71	0.78	0.73	0.01	0.07	0.08	0.0	0.0	0.0	0.0	
16-17	0.76	0.71	0.76	0.74	0.01	0.05	0.06	0.0	0.0	0.0	0.0	
17-18	0.77	0.73	0.75	0.74	0.0	0.04	0.04	0.0	0.0	0.0	0.0	
18-19	0.75	0.74	0.74	0.74	0.0	0.01	0.01	0.0	0.0	0.0	0.0	
19-20	0.74	0.74	0.74	0.74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.73	0.73	0.73	0.73	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
21-22	0.72	0.72	0.72	0.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.66	0.71	0.65	0.71	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
23-24	0.62	0.69	0.59	0.71	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	
TOTAL	14.07	15.47	14.11	16.03	0.36	-1.41	-1.04					

SHORTWAVE RADIATION (MJ/M**2)												
APR. 18	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HOUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	9.99	0.0	0.04	0.0	9.99	0.0	0.00	0.0	0.0	0.0	0.00
2- 3	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.00	0.0
3- 4	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.00	0.00
5- 6	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.00	0.00	0.00	0.00	0.00
6- 7	0.0	9.99	0.0	0.03	0.0	9.99	0.0	0.0	0.00	0.00	0.00	0.0
7- 8	0.01	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.00	0.00	0.01	0.00
8- 9	0.06	9.99	0.03	0.03	0.05	9.99	0.02	0.02	0.06	0.0	0.05	0.01
9-10	0.14	9.99	0.07	0.06	0.12	9.99	0.05	0.05	0.14	0.03	0.12	0.04
10-11	0.14	9.99	0.06	0.04	0.12	9.99	0.04	0.04	0.14	0.01	0.12	0.03
11-12	0.22	9.99	0.10	0.09	0.19	9.99	0.08	0.07	0.22	0.05	0.19	0.06
12-13	0.32	9.99	0.17	0.14	0.27	9.99	0.13	0.11	0.32	0.11	0.27	0.10
13-14	0.31	9.99	0.18	0.15	0.26	9.99	0.13	0.11	0.31	0.12	0.27	0.10
14-15	0.13	9.99	0.06	0.05	0.10	9.99	0.04	0.04	0.12	0.02	0.11	0.04
15-16	0.04	9.99	0.02	0.01	0.03	9.99	0.01	0.01	0.04	0.0	0.04	0.00
16-17	0.0	9.99	0.0	0.0	0.0	9.99	0.00	0.00	0.01	0.0	0.01	0.0
17-18	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	9.99	0.0	0.00	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	1.36	99.99	0.70	0.65	1.14	99.99	0.50	0.43	1.38	0.33	1.20	0.40

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
APR. 18	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
HOUR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL					
0- 1	0.70	0.70	0.69	0.70	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0
1- 2	0.72	0.72	0.69	0.71	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0
2- 3	0.69	0.71	0.66	0.71	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0
3- 4	0.68	0.70	0.66	0.70	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0
4- 5	0.71	0.71	0.70	0.70	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0
5- 6	0.71	0.71	0.67	0.72	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	0.0
6- 7	0.72	0.72	0.68	0.71	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0
7- 8	0.69	0.71	0.64	0.71	0.01	-0.02	-0.01	0.0	0.0	0.0	0.0	0.0
8- 9	0.68	0.71	0.64	0.72	0.01	-0.03	-0.02	0.0	0.0	0.0	0.0	0.0
9-10	0.71	0.73	0.68	0.72	0.02	-0.02	0.00	0.0	0.0	0.0	0.0	0.0
10-11	0.68	0.72	0.63	0.72	0.02	-0.04	-0.02	0.0	0.0	0.0	0.0	0.0
11-12	0.74	0.73	0.72	0.74	0.03	0.00	0.03	0.0	0.0	0.0	0.0	0.0
12-13	0.74	0.74	0.73	0.74	0.05	-0.01	0.04	0.001	0.000	0.000	0.0	0.0
13-14	0.73	0.75	0.65	0.75	0.05	-0.01	0.03	0.0	0.0	0.0	0.0	0.0
14-15	0.75	0.75	0.70	0.74	0.02	0.00	0.03	0.0	0.0	0.0	0.0	0.0
15-16	0.72	0.74	0.68	0.74	0.01	-0.02	-0.01	0.0	0.0	0.0	0.0	0.0
16-17	0.73	0.74	0.71	0.74	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0
17-18	0.74	0.74	0.74	0.74	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0
18-19	0.73	0.74	0.72	0.74	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0
19-20	0.68	0.72	0.67	0.74	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0
20-21	0.61	0.70	0.61	0.73	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0
21-22	0.55	0.68	0.53	0.71	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
22-23	0.50	0.67	0.50	0.70	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0
23-24	0.66	0.68	0.66	0.69	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0
TOTAL	16.58	17.24	15.97	17.29	0.22	-0.65	-0.43					

SHORTWAVE RADIATION (MJ/M**2)												
APR. 19	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HOUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	9.99	0.0	0.00	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.03	9.99	0.01	0.01	0.02	9.99	0.00	0.00	0.03	0.0	0.03	0.00
9-10	0.14	9.99	0.07	0.06	0.11	9.99	0.05	0.04	0.13	0.03	0.12	0.04
10-11	0.26	9.99	0.15	0.14	0.24	9.99	0.11	0.12	0.26	0.13	9.99	0.12
11-12	0.40	9.99	9.99	0.21	0.33	9.99	9.99	0.16	0.38	0.16	9.99	0.20
12-13	0.47	0.33	9.99	0.26	0.38	0.29	9.99	0.19	0.44	0.19	9.99	0.24
13-14	0.34	0.23	9.99	0.18	0.27	0.20	9.99	0.13	0.30	0.10	9.99	0.18
14-15	0.18	0.11	9.99	0.09	0.14	0.11	9.99	0.08	0.16	0.06	9.99	0.10
15-16	0.06	0.03	9.99	0.03	0.05	0.03	9.99	0.02	0.05	0.0	0.03	0.04
16-17	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.00	0.0
17-18	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	9.99	0.01	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0
TOTAL	1.88	99.99	99.99	1.00	1.52	99.99	99.99	0.75	1.75	0.66	99.99	0.92

LONGWAVE RADIATION (MJ/M**2)												
APR. 19	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL					
0-1	0.72	0.69	0.72	0.69	0.0	0.03	0.03	0.0	0.0	0.0	0.0	
1-2	0.74	0.69	0.74	0.69	0.0	0.05	0.05	0.0	0.0	0.0	0.0	
2-3	0.72	0.69	0.73	0.68	0.0	0.04	0.04	0.0	0.0	0.0	0.0	
3-4	0.70	0.69	0.70	0.68	0.0	0.01	0.01	0.0	0.0	0.0	0.0	
4-5	0.72	0.68	0.72	0.67	0.0	0.04	0.04	0.0	0.0	0.0	0.0	
5-6	0.72	0.67	0.72	0.67	0.0	0.05	0.05	0.0	0.0	0.0	0.0	
6-7	0.73	0.68	0.73	0.67	0.0	0.05	0.05	0.0	0.0	0.0	0.0	
7-8	0.72	0.68	0.73	0.67	0.0	0.04	0.04	0.0	0.0	0.0	0.0	
8-9	0.70	0.68	0.70	0.68	0.01	0.02	0.03	0.0	0.0	0.0	0.0	
9-10	0.67	0.68	0.67	0.68	0.03	-0.01	0.02	0.0	0.0	0.0	0.0	
10-11	0.53	0.65	0.53	0.66	0.02	-0.12	-0.09	0.050	0.044	0.031	0.021	
11-12	0.47	0.64	0.48	0.66	0.07	-0.17	-0.10	0.420	0.382	0.328	0.289	
12-13	0.46	0.64	0.46	0.66	0.09	-0.18	-0.09	0.570	0.511	0.437	0.391	
13-14	0.46	0.63	0.45	0.66	0.07	-0.18	-0.11	0.430	0.386	0.327	0.296	
14-15	0.45	0.63	0.45	0.65	0.04	-0.18	-0.14	0.289	0.266	0.236	0.217	
15-16	0.45	0.63	0.45	0.66	0.02	-0.18	-0.16	0.096	0.091	0.079	0.076	
16-17	0.45	0.62	0.44	0.64	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
17-18	0.44	0.62	0.45	0.65	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
18-19	0.44	0.62	0.44	0.65	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
19-20	0.45	0.62	0.45	0.65	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
20-21	0.45	0.62	0.45	0.65	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
21-22	0.47	0.62	0.46	0.65	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
22-23	0.50	0.63	0.48	0.66	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
23-24	0.54	0.64	0.53	0.66	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
TOTAL	13.70	15.64	13.68	15.94	0.35	-1.95	-1.59					

SHORTWAVE RADIATION (MJ/M**2)													
APR. 20													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	9.99	0.00	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	9.99	0.00	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	9.99	0.00	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
8-9	0.03	0.02	9.99	0.01	0.02	0.01	9.99	0.00	0.03	0.0	0.03	0.00	
9-10	0.12	0.09	9.99	0.05	0.10	0.07	9.99	0.04	0.12	0.02	0.11	0.03	
10-11	0.20	0.14	9.99	0.09	0.17	0.11	9.99	0.07	0.20	0.06	0.17	0.06	
11-12	0.22	0.15	9.99	0.09	0.19	0.13	9.99	0.08	0.22	0.06	0.19	0.07	
12-13	0.23	0.16	9.99	0.10	0.20	0.13	9.99	0.08	0.23	0.06	0.20	0.07	
13-14	0.15	0.10	9.99	0.05	0.13	0.08	9.99	0.05	0.15	0.02	0.13	0.03	
14-15	0.11	0.08	9.99	0.05	0.08	0.07	9.99	0.02	0.11	0.02	0.09	0.02	
15-16	0.04	0.02	9.99	0.01	0.03	0.02	9.99	0.00	0.03	0.0	0.04	0.00	
16-17	0.0	0.0	9.99	0.08	0.0	0.0	9.99	0.0	0.0	0.0	0.00	0.0	
17-18	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	9.99	0.01	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	9.99	0.02	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	9.99	0.01	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
TOTAL	1.11	0.76	99.99	0.59	0.91	0.62	99.99	0.34	1.09	0.25	0.97	0.28	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
APR. 20													
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.57	0.65	0.56	0.66	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
1-2	0.57	0.65	0.57	0.67	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
2-3	0.63	0.67	0.62	0.67	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
3-4	0.68	0.68	0.68	0.68	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
4-5	0.61	0.66	0.60	0.69	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
5-6	0.59	0.66	0.57	0.68	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
6-7	0.53	0.65	0.52	0.68	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
7-8	0.58	0.66	0.57	0.68	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
8-9	0.66	0.68	0.65	0.69	0.01	-0.02	-0.01	0.0	0.0	0.0	0.0		
9-10	0.71	0.69	0.70	0.69	0.02	0.01	0.04	0.0	0.0	0.0	0.0		
10-11	0.70	0.70	0.69	0.71	0.03	-0.00	0.03	0.0	0.0	0.0	0.0		
11-12	0.71	0.71	0.71	0.71	0.03	0.00	0.03	0.0	0.0	0.0	0.0		
12-13	0.71	0.71	0.71	0.72	0.03	-0.01	0.03	0.0	0.0	0.0	0.0		
13-14	0.70	0.72	0.70	0.72	0.02	-0.02	0.01	0.0	0.0	0.0	0.0		
14-15	0.73	0.72	0.73	0.73	0.03	0.01	0.04	0.0	0.0	0.0	0.0		
15-16	0.70	0.72	0.70	0.72	0.01	-0.01	-0.00	0.0	0.0	0.0	0.0		
16-17	0.65	0.71	0.64	0.72	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
17-18	0.68	0.71	0.67	0.72	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
18-19	0.65	0.70	0.64	0.71	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
19-20	0.56	0.68	0.54	0.70	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
20-21	0.63	0.69	0.62	0.70	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
21-22	0.69	0.70	0.68	0.71	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
22-23	0.68	0.70	0.68	0.71	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
23-24	0.72	0.71	0.72	0.71	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
TOTAL	15.62	16.53	15.47	16.81	0.19	-0.91	-0.72						

SHORTWAVE RADIATION (MJ/M**2)												
APR. 21	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	9.99	0.01	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0
8-9	0.06*	0.01	9.99	0.02	0.02	0.01	9.99	0.00	0.02	0.0	0.04	0.01
9-10	0.18*	0.13	9.99	0.09	0.12	0.08	9.99	0.05	0.12	0.03	0.18	0.10
10-11	0.32	0.22	9.99	0.16	0.24	0.18	9.99	0.11	0.28	0.11	0.33	0.19
11-12	0.46	0.32	9.99	0.24	0.34	0.27	9.99	0.17	0.42	0.19	0.44	0.25
12-13	0.42	0.28	9.99	0.22	0.31	0.25	9.99	0.16	0.38	0.16	0.43	0.25
13-14	0.35	0.22	9.99	0.17	0.25	0.19	9.99	0.13	0.29	0.10	0.36	0.21
14-15	0.19	0.11	9.99	0.08	0.13	0.10	9.99	0.06	0.15	0.02	0.21	0.12
15-16	0.06	0.01	9.99	0.02	0.02	0.01	9.99	0.00	0.02	0.0	0.04	0.01
16-17	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.00	0.0
19-20	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.00	0.0
21-22	0.0	0.0	9.99	0.01	0.0	0.0	9.99	0.00	0.0	0.0	0.00	0.00
22-23	0.0	0.0	9.99	0.06	0.0	0.0	9.99	0.0	0.0	0.0	0.00	0.0
23-24	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.00	0.0
TOTAL	2.04	1.31	99.99	1.07	1.43	1.09	99.99	0.69	1.69	0.61	2.05	1.14

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
APR. 21	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
HR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.72	0.71	0.71	0.71	0.0	0.01	0.01	0.0	0.0	0.0	0.0	
1-2	0.72	0.71	0.71	0.72	0.0	0.01	0.01	0.0	0.0	0.0	0.0	
2-3	0.61	0.68	0.61	0.71	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	
3-4	0.48	0.66	0.46	0.69	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	
4-5	0.48	0.65	0.46	0.68	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
5-6	0.48	0.65	0.45	0.67	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
6-7	0.48	0.64	0.45	0.67	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
7-8	0.48	0.64	0.46	0.66	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
8-9	0.46	0.63	0.44	0.66	0.05	-0.17	-0.12	0.010	0.010	0.009	0.008	
9-10	0.46	0.63	0.44	0.66	0.06	-0.17	-0.11	0.165	0.155	0.131	0.125	
10-11	0.47	0.64	0.45	0.66	0.08	-0.17	-0.09	0.266	0.244	0.209	0.192	
11-12	0.47	0.64	0.45	0.66	0.12	-0.17	-0.05	0.352	0.319	0.268	0.241	
12-13	0.47	0.64	0.44	0.66	0.11	-0.17	-0.06	0.318	0.284	0.237	0.211	
13-14	0.47	0.64	0.43	0.66	0.10	-0.17	-0.07	0.234	0.203	0.170	0.157	
14-15	0.45	0.62	0.43	0.65	0.06	-0.17	-0.11	0.124	0.111	0.094	0.087	
15-16	0.46	0.61	0.43	0.64	0.04	-0.16	-0.12	0.003	0.003	0.002	0.002	
16-17	0.46	0.61	0.43	0.64	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
17-18	0.46	0.61	9.99	9.99	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
18-19	0.48	0.61	9.99	9.99	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
19-20	0.49	0.62	9.99	9.99	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
20-21	0.51	0.62	9.99	9.99	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
21-22	0.52	0.62	9.99	9.99	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
22-23	0.53	0.62	9.99	9.99	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
23-24	0.54	0.63	9.99	9.99	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
TOTAL	12.11	15.34	99.99	99.99	0.61	-3.23	-2.62					



SHORTWAVE RADIATION (MJ/M**2)												
APR. 22	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HOUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.00	0.0
1-2	0.0	0.0	9.99	0.02	0.0	0.0	9.99	0.0	0.0	0.0	0.00	0.0
2-3	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.00	0.0
3-4	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.00	0.0
4-5	0.0	0.0	9.99	0.02	0.0	0.0	9.99	0.0	0.0	0.0	0.00	0.0
5-6	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.00	0.0
6-7	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.00	0.0
7-8	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.00	0.0
8-9	0.04	0.02	9.99	0.01	0.02	0.01	9.99	0.01	0.03	0.0	0.03	0.00
9-10	0.13*	0.10	9.99	0.07	0.10	0.07	9.99	0.04	0.16	0.05	0.13	0.06
10-11	0.29*	0.21	9.99	0.15	0.20	0.15	9.99	0.09	0.35	0.14	0.27	0.14
11-12	0.43*	0.28	9.99	0.21	0.28	0.20	9.99	0.13	0.52	0.18	0.37	0.21
12-13	0.46*	0.30	9.99	0.22	0.30	0.22	9.99	0.14	0.54	0.19	0.40	0.23
13-14	0.36*	0.23	9.99	0.18	0.22	0.16	9.99	0.10	0.42	0.12	0.33	0.19
14-15	0.16*	0.11	9.99	0.08	0.10	0.07	9.99	0.04	0.21	0.03	0.17	0.10
15-16	0.07	0.02	9.99	0.04	0.02	0.02	9.99	0.01	0.03	0.0	0.04	0.01
16-17	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.00	0.0
17-18	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.00	0.0
18-19	0.0	0.0	9.99	0.01	0.0	0.0	9.99	0.0	0.0	0.0	0.00	0.0
19-20	0.0	0.0	9.99	0.00	0.0	0.0	9.99	0.0	0.0	0.0	0.00	0.0
20-21	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.00	0.0
21-22	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.00	0.0
22-23	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.00	0.0
23-24	0.0	0.0	9.99	0.00	0.0	0.0	9.99	0.0	0.0	0.0	0.00	0.0
TOTAL	1.95	1.27	99.99	1.01	1.25	0.92	99.99	0.56	2.26	0.70	1.73	0.94

LONGWAVE RADIATION (MJ/M**2) ; NET RADIATION (MJ/M**2) ; DIRECT RADIATION (KW/M**2)												
APR. 22	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL		(530)	(630)	(695)	
0-1	0.54	0.64	9.99	9.99	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0
1-2	0.53	0.64	9.99	9.99	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0
2-3	0.53	0.63	9.99	9.99	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0
3-4	0.54	0.64	9.99	9.99	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0
4-5	0.59	0.64	9.99	9.99	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0
5-6	0.55	0.64	9.99	9.99	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0
6-7	0.55	0.64	9.99	9.99	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0
7-8	0.60	0.65	9.99	9.99	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0
8-9	0.56	0.65	9.99	9.99	0.03	-0.09	-0.06	0.0	0.0	0.0	0.0	0.0
9-10	0.52	0.65	9.99	9.99	0.03	-0.12	-0.09	0.020	0.018	0.013	0.014	0.014
10-11	0.50	0.65	9.99	9.99	0.08	-0.15	-0.07	0.181	0.164	0.144	0.128	0.128
11-12	0.48	0.65	9.99	9.99	0.15	-0.17	-0.02	0.322	0.291	0.252	0.222	0.222
12-13	0.49	0.65	9.99	9.99	0.16	-0.16	-0.00	0.283	0.254	0.216	0.192	0.192
13-14	0.49	0.65	0.50	0.70	0.14	-0.16	-0.02	0.186	0.161	0.134	0.121	0.121
14-15	0.48	0.65	0.44	0.65	0.07	-0.16	-0.09	0.091	0.080	0.066	0.060	0.060
15-16	0.46	0.62	0.44	0.65	0.04	-0.16	-0.12	0.003	0.003	0.003	0.002	0.002
16-17	0.48	0.64	0.46	0.66	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0
17-18	0.49	0.64	0.47	0.65	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
18-19	0.50	0.63	0.48	0.66	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
19-20	0.50	0.62	0.48	0.65	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0
20-21	0.49	0.63	0.47	0.66	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0
21-22	0.51	0.63	0.47	0.66	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0
22-23	0.53	0.64	0.47	0.66	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0
23-24	0.53	0.63	0.48	0.66	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0
TOTAL	12.43	15.33	99.99	99.99	0.70	-2.90	-2.19					

SHORTWAVE RADIATION (MJ/M**2)													
APR. 23 HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	9.99	0.00	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
8-9	0.02	0.01	9.99	0.02	0.01	0.01	9.99	0.00	0.02	0.0	0.02	0.00	
9-10	0.13#	0.10	9.99	0.08	0.11	0.08	9.99	0.05	0.17	0.05	0.14	0.06	
10-11	0.27#	0.19	9.99	0.14	0.20	0.15	9.99	0.09	0.33	0.12	0.26	0.15	
11-12	0.35#	0.25	9.99	0.19	0.27	0.20	9.99	0.13	0.45	0.15	0.34	0.19	
12-13	0.34#	0.24	9.99	0.20	0.29	0.23	9.99	0.15	0.45	0.14	0.35	0.21	
13-14	0.26#	0.17	9.99	0.14	0.21	0.17	9.99	0.11	0.33	0.07	0.27	0.15	
14-15	0.16#	0.09	9.99	0.08	0.11	0.10	9.99	0.07	0.20	0.01	0.17	0.10	
15-16	0.07#	0.02	9.99	0.05	0.02	0.02	9.99	0.01	0.04	0.0	0.04	0.02	
16-17	0.0	0.0	9.99	0.00	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	9.99	0.01	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	9.99	0.00	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	9.99	0.00	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	9.99	0.01	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
TOTAL	1.61	1.07	99.99	0.92	1.23	0.96	99.99	0.61	1.98	0.54	1.59	0.87	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
APR. 23 HOUR	(SURFACE)		(30M)		(SURFACE)								
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.62	0.66	0.60	0.68	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	
1-2	0.65	0.67	0.65	0.68	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0	
2-3	0.68	0.67	0.69	0.68	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	
3-4	0.69	0.68	0.68	0.68	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	
4-5	0.68	0.67	0.68	0.68	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	
5-6	0.65	0.67	0.65	0.67	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0	
6-7	0.61	0.66	0.60	0.67	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	
7-8	0.53	0.64	0.51	0.67	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	
8-9	0.52	0.63	0.50	0.65	0.01	-0.11	-0.11	9.990	9.990	9.990	9.990	9.990	
9-10	0.51	0.63	0.50	0.65	0.02	-0.12	-0.10	9.990	9.990	9.990	9.990	9.990	
10-11	0.47	0.62	0.47	0.65	0.07	-0.15	-0.08	9.990	9.990	9.990	9.990	9.990	
11-12	0.47	0.62	0.47	0.65	0.08	-0.15	-0.07	9.990	9.990	9.990	9.990	9.990	
12-13	0.47	0.62	0.46	0.66	0.04	-0.15	-0.11	9.990	9.990	9.990	9.990	9.990	
13-14	0.47	0.62	0.45	0.66	0.05	-0.15	-0.10	9.990	9.990	9.990	9.990	9.990	
14-15	0.47	0.62	0.45	0.65	0.05	-0.15	-0.09	9.990	9.990	9.990	9.990	9.990	
15-16	0.47	0.61	0.47	0.65	0.05	-0.15	-0.10	9.990	9.990	9.990	9.990	9.990	
16-17	0.46	0.61	0.46	0.64	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
17-18	0.47	0.61	0.47	0.64	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
18-19	0.49	0.61	0.47	0.64	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	
19-20	0.49	0.61	0.47	0.64	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	
20-21	0.49	0.62	0.47	0.64	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
21-22	0.49	0.62	0.45	0.64	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
22-23	0.47	0.61	0.44	0.64	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	
23-24	0.46	0.60	0.44	0.64	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	
TOTAL	12.78	15.19	12.49	15.77	0.38	-2.40	-2.02						

APR. 24	SHORTWAVE RADIATION (MJ/M**2)												
	HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
		(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	9.99	0.01	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.01	0.00	9.99	0.0	0.01	0.0	9.99	0.0	0.01	0.0	0.01	0.0	0.0
9-10	0.10*	0.07	9.99	0.05	0.07	0.05	9.99	0.03	0.14	0.03	0.10	0.04	0.04
10-11	0.27*	0.21	9.99	0.14	0.16	0.12	9.99	0.07	0.34	0.13	0.22	0.12	0.12
11-12	0.38*	0.30	9.99	0.21	0.23	0.17	9.99	0.10	0.46	0.16	0.29	0.16	0.16
12-13	0.39*	0.31	9.99	0.22	0.24	0.18	9.99	0.11	0.48	0.15	0.31	0.18	0.18
13-14	0.34*	0.26	9.99	0.19	0.20	0.15	9.99	0.09	0.42	0.11	0.28	0.16	0.16
14-15	0.19*	0.14	9.99	0.10	0.10	0.07	9.99	0.04	0.23	0.02	0.16	0.10	0.10
15-16	0.04*	0.02	9.99	0.02	0.01	0.01	9.99	0.00	0.05	0.0	0.03	0.02	0.02
16-17	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	9.99	0.00	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	1.72	1.30	99.99	0.95	1.01	0.74	99.99	0.45	2.14	0.60	1.41	0.76	0.76

APR. 24	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	TOTAL					
0-1	0.46	0.60	0.44	0.64	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
1-2	0.46	0.60	0.44	0.63	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
2-3	0.46	0.60	0.44	0.63	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
3-4	0.48	0.60	0.44	0.63	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0
4-5	0.48	0.60	0.44	0.63	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0
5-6	0.46	0.60	0.44	0.63	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0
6-7	0.49	0.60	0.44	0.64	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0
7-8	0.49	0.60	0.44	0.64	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0
8-9	0.49	0.60	0.45	0.64	0.00	-0.11	-0.11	9.990	9.990	9.990	9.990	9.990
9-10	0.49	0.61	0.45	0.65	0.03	-0.12	-0.08	9.990	9.990	9.990	9.990	9.990
10-11	0.49	0.62	0.46	0.66	0.11	-0.13	-0.02	9.990	9.990	9.990	9.990	9.990
11-12	0.48	0.62	0.46	0.66	0.15	-0.15	0.00	9.990	9.990	9.990	9.990	9.990
12-13	0.48	0.63	0.46	0.66	0.15	-0.15	0.00	9.990	9.990	9.990	9.990	9.990
13-14	0.48	0.63	0.46	0.66	0.14	-0.15	-0.01	9.990	9.990	9.990	9.990	9.990
14-15	0.46	0.62	0.46	0.66	0.09	-0.16	-0.07	9.990	9.990	9.990	9.990	9.990
15-16	0.45	0.62	0.46	0.65	0.03	-0.16	-0.14	9.990	9.990	9.990	9.990	9.990
16-17	0.46	0.62	0.46	0.64	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0
17-18	0.48	0.62	0.48	0.65	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
18-19	0.47	0.61	0.47	0.64	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
19-20	0.47	0.61	0.48	0.64	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
20-21	0.47	0.61	0.48	0.64	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
21-22	0.48	0.61	0.48	0.64	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0
22-23	0.47	0.61	0.47	0.63	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
23-24	0.47	0.61	0.46	0.63	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
TOTAL	11.36	14.62	10.93	15.43	0.71	-3.26	-2.55					

APR. 25	SHORTWAVE RADIATION (MJ/M**2)												
	HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
		(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	9.99	0.00	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	9.99	0.00	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.02	0.01	9.99	0.02	0.01	0.00	9.99	0.00	0.03	0.0	0.02	0.01	0.01
9-10	0.11*	0.10	9.99	0.07	0.10	0.07	9.99	0.05	0.18	0.04	0.14	0.08	0.08
10-11	0.22*	0.17	9.99	0.14	0.21	0.16	9.99	0.10	0.28	0.09	0.24	0.14	0.14
11-12	0.26*	0.20	9.99	0.16	0.25	0.19	9.99	0.12	0.33	0.10	0.29	0.16	0.16
12-13	0.30*	0.22	9.99	0.19	0.27	0.22	9.99	0.14	0.35	0.12	0.33	0.19	0.19
13-14	0.24*	0.17	9.99	0.15	0.20	0.17	9.99	0.11	0.28	0.06	0.27	0.16	0.16
14-15	0.19*	0.10	9.99	0.10	0.09	0.07	9.99	0.05	0.17	0.0	0.16	0.10	0.10
15-16	0.04*	0.01	9.99	0.01	0.01	0.00	9.99	0.00	0.03	0.0	0.03	0.02	0.02
16-17	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	1.38	0.99	99.99	0.85	1.14	0.89	99.99	0.56	1.67	0.41	1.48	0.84	0.84

APR. 25	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	TOTAL				
0-1	0.47	0.60	0.46	0.63	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0
1-2	0.47	0.60	0.47	0.63	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0
2-3	0.46	0.60	0.47	0.63	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0
3-4	0.47	0.60	0.47	0.64	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0
4-5	0.49	0.60	0.47	0.63	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0
5-6	0.47	0.60	0.46	0.63	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0
6-7	0.46	0.60	0.45	0.62	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0
7-8	0.46	0.60	0.45	0.62	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0
8-9	0.46	0.60	0.45	0.63	0.01	-0.14	-0.12	9.990	9.990	9.990	9.990
9-10	0.46	0.60	0.46	0.64	0.02	-0.14	-0.12	9.990	9.990	9.990	9.990
10-11	0.45	0.61	0.47	0.65	0.01	-0.16	-0.15	9.990	9.990	9.990	9.990
11-12	0.44	0.61	0.46	0.66	0.01	-0.17	-0.16	9.990	9.990	9.990	9.990
12-13	0.45	0.62	0.46	0.66	0.02	-0.17	-0.15	9.990	9.990	9.990	9.990
13-14	0.45	0.62	0.46	0.66	0.04	-0.17	-0.14	9.990	9.990	9.990	9.990
14-15	0.45	0.61	0.46	0.65	0.10	-0.17	-0.07	9.990	9.990	9.990	9.990
15-16	0.44	0.61	0.45	0.63	0.03	-0.17	-0.13	0.094	0.093	0.087	0.083
16-17	0.44	0.60	0.45	0.62	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0
17-18	0.43	0.60	0.44	0.62	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0
18-19	0.43	0.59	0.44	0.62	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0
19-20	0.43	0.59	0.44	0.61	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0
20-21	0.42	0.59	0.43	0.61	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0
21-22	0.42	0.58	0.43	0.60	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0
22-23	0.43	0.57	0.42	0.60	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0
23-24	0.43	0.56	0.43	0.60	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0
TOTAL	10.77	14.39	10.84	15.11	0.24	-3.62	-3.37				

APR. 26 : SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	9.99	0.00	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	9.99	0.00	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.018	0.00	9.99	0.00	0.00	0.0	9.99	0.0	0.01	0.0	0.01	0.00	0.00
9-10	0.08	0.06	9.99	0.05	0.06	0.04	9.99	0.02	0.06	0.0	0.10	0.05	0.00
10-11	0.20	0.15	9.99	0.13	0.17	0.13	9.99	0.08	0.14	0.04	0.22	0.13	0.00
11-12	0.27	0.20	9.99	0.17	0.23	0.19	9.99	0.12	0.22	0.08	0.29	0.17	0.00
12-13	0.27	0.20	9.99	0.17	0.25	0.20	9.99	0.13	0.23	0.08	0.30	0.18	0.00
13-14	0.18	0.13	9.99	0.11	0.16	0.12	9.99	0.07	0.15	0.03	0.20	0.11	0.00
14-15	0.08	0.05	9.99	0.04	0.06	0.04	9.99	0.02	0.07	0.0	0.07	0.02	0.00
15-16	0.00	0.0	9.99	0.0	0.00	0.0	9.99	0.0	0.00	0.0	0.01	0.0	0.00
16-17	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.00
17-18	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.00
18-19	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.00	0.0	0.00
19-20	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.00	0.0	0.00
20-21	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.00	0.0	0.00
21-22	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.00	0.0	0.00
22-23	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.00
23-24	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.00
TOTAL	1.09	0.81	99.99	0.67	0.93	0.71	99.99	0.44	0.89	0.24	1.21	0.65	0.00

APR. 26 : LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(305)	(530)	(630)	(695)		
0-1	0.42	0.55	0.43	0.60	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
1-2	0.42	0.55	0.42	0.59	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	
2-3	0.42	0.55	0.42	0.59	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
3-4	0.43	0.54	0.43	0.59	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
4-5	0.43	0.54	0.43	0.59	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	
5-6	0.53	0.56	0.53	0.59	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	
6-7	0.44	0.55	0.44	0.59	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	
7-8	0.42	0.54	0.42	0.58	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	
8-9	0.40	0.52	0.40	0.58	0.00	-0.12	-0.12	9.990	9.990	9.990	9.990	9.990	
9-10	0.40	0.53	0.41	0.58	0.02	-0.13	-0.11	9.990	9.990	9.990	9.990	9.990	
10-11	0.40	0.53	0.41	0.59	0.03	-0.13	-0.10	9.990	9.990	9.990	9.990	9.990	
11-12	0.40	0.54	0.42	0.59	0.04	-0.14	-0.11	9.990	9.990	9.990	9.990	9.990	
12-13	0.41	0.54	0.42	0.59	0.02	-0.14	-0.12	9.990	9.990	9.990	9.990	9.990	
13-14	0.42	0.54	0.44	0.60	0.02	-0.12	-0.10	9.990	9.990	9.990	9.990	9.990	
14-15	0.47	0.53	0.49	0.60	0.02	-0.06	-0.04	9.990	9.990	9.990	9.990	9.990	
15-16	0.46	0.53	0.50	0.61	0.00	-0.07	-0.07	9.990	9.990	9.990	9.990	9.990	
16-17	0.44	0.53	0.53	0.62	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
17-18	0.40	0.51	0.54	0.62	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	
18-19	0.39	0.52	0.57	0.63	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	
19-20	0.40	0.52	0.60	0.65	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	
20-21	0.42	0.52	0.62	0.65	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
21-22	0.42	0.52	0.63	0.66	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
22-23	0.42	0.51	0.64	0.66	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	
23-24	0.44	0.53	0.66	0.66	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	
TOTAL	10.19	12.82	11.80	14.62	0.16	-2.63	-2.47						

SHORTWAVE RADIATION (MJ/M**2)													
APR. 27													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
6- 7	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
7- 8	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
8- 9	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.04	0.02	9.99	0.01	0.03	0.01	9.99	0.00	0.03	0.0	0.04	0.0	0.0
10-11	0.10	0.07	9.99	0.04	0.08	0.05	9.99	0.03	0.09	0.0	0.09	0.02	0.02
11-12	0.14	0.09	9.99	9.99	0.11	0.07	9.99	9.99	0.14	0.02	0.12	0.03	0.03
12-13	0.16	0.11	0.08	9.99	0.13	0.09	0.06	9.99	0.16	0.03	0.14	0.05	0.05
13-14	0.13	0.09	0.07	9.99	0.10	0.07	0.05	9.99	0.13	0.02	0.12	0.04	0.04
14-15	0.07	0.05	0.05	9.99	0.06	0.04	0.02	9.99	0.07	0.0	0.07	0.02	0.02
15-16	0.08	0.01	0.0	9.99	0.00	0.0	0.0	9.99	0.01	0.0	0.01	0.0	0.0
16-17	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.00	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.00	9.99	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0
TOTAL	0.72	0.44	99.99	99.99	0.52	0.34	99.99	99.99	0.63	0.07	0.59	0.16	0.16

LONGWAVE RADIATION (MJ/M**2)													
APR. 27													
HOUR	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	(SURFACE)		(30M)		SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
	DOWNWARD	UPWARD	DOWNWARD	UPWARD									
0- 1	0.46	0.53	0.67	0.67	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	
1- 2	0.49	0.54	0.66	0.66	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	
2- 3	0.55	0.57	0.67	0.67	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	
3- 4	0.59	0.58	0.64	0.64	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	
4- 5	0.59	0.60	0.64	0.64	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0	
5- 6	0.54	0.60	0.60	0.65	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	
6- 7	0.64	0.62	0.65	0.66	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0	
7- 8	0.66	0.63	0.67	0.67	0.0	0.03	0.03	0.0	0.0	0.0	0.0	0.0	
8- 9	0.71	0.66	0.71	0.68	0.0	0.05	0.05	9.990	9.990	9.990	9.990	9.990	
9-10	0.73	0.68	0.73	0.69	0.01	0.05	0.06	9.990	9.990	9.990	9.990	9.990	
10-11	0.73	0.69	0.74	0.70	0.02	0.05	0.06	9.990	9.990	9.990	9.990	9.990	
11-12	0.73	0.70	0.73	0.71	0.03	0.04	0.06	9.990	9.990	9.990	9.990	9.990	
12-13	0.72	0.70	0.72	0.72	0.03	0.02	0.04	9.990	9.990	9.990	9.990	9.990	
13-14	0.71	0.70	0.71	0.72	0.03	0.01	0.04	9.990	9.990	9.990	9.990	9.990	
14-15	0.74	0.71	0.74	0.72	0.02	0.03	0.05	9.990	9.990	9.990	9.990	9.990	
15-16	0.63	0.69	0.63	0.72	0.08	-0.06	0.02	9.990	9.990	9.990	9.990	9.990	
16-17	0.64	0.70	0.64	0.72	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	
17-18	0.72	0.71	0.72	0.73	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	
18-19	0.76	0.72	0.77	0.74	0.0	0.04	0.04	0.0	0.0	0.0	0.0	0.0	
19-20	0.79	0.73	0.80	0.74	0.0	0.06	0.06	0.0	0.0	0.0	0.0	0.0	
20-21	0.79	0.74	0.80	0.75	0.0	0.04	0.04	0.0	0.0	0.0	0.0	0.0	
21-22	0.79	0.74	0.80	0.76	0.0	0.04	0.04	0.0	0.0	0.0	0.0	0.0	
22-23	0.78	0.75	0.79	0.76	0.0	0.04	0.04	0.0	0.0	0.0	0.0	0.0	
23-24	0.78	0.76	0.79	0.77	0.0	0.03	0.03	0.0	0.0	0.0	0.0	0.0	
TOTAL	16.29	16.04	17.02	16.89	0.20	0.26	0.46						

APR. 28		SHORT-WAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.00	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.00	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.00	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.00	0.0	
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.00	0.00	
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.00	0.0	
6-7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.00	0.0	
7-8	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.00	0.0	
8-9	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.00	0.0	
9-10	0.03	0.01	0.01	9.99	0.02	0.01	0.00	9.99	0.03	0.0	0.03	0.00	
10-11	0.09	0.05	0.04	9.99	0.07	0.04	0.02	9.99	0.09	0.0	0.08	0.01	
11-12	0.11	0.08	0.05	9.99	0.10	0.06	0.03	9.99	0.11	0.0	0.11	0.03	
12-13	0.13	0.08	0.05	9.99	0.10	0.07	0.04	9.99	0.12	0.00	0.11	0.03	
13-14	0.12	0.07	0.06	9.99	0.09	0.06	0.04	9.99	0.11	0.01	0.10	0.03	
14-15	0.04	0.03	0.02	9.99	0.03	0.02	0.01	9.99	0.04	0.0	0.04	0.00	
15-16	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.00	0.0	
16-17	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.00	0.0	
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.00	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.00	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.00	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.00	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.00	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.00	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.00	0.0	
TOTAL	0.52	0.33	0.22	99.99	0.43	0.26	0.15	99.99	0.51	0.01	0.48	0.10	

APR. 28		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE						
0-1	0.78	0.76	0.80	0.77	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0
1-2	0.79	0.76	0.80	0.78	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0
2-3	0.79	0.77	0.80	0.78	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0
3-4	0.79	0.77	0.80	0.78	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0
4-5	0.79	0.77	0.80	0.79	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0
5-6	0.79	0.78	0.80	0.79	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0
6-7	0.80	0.78	0.80	0.79	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0
7-8	0.80	0.77	0.80	0.79	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0
8-9	0.79	0.77	0.79	0.79	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0
9-10	0.78	0.77	0.78	0.79	0.01	0.01	0.02	0.0	0.0	0.0	0.0	0.0
10-11	0.80	0.78	0.79	0.79	0.02	0.01	0.03	0.0	0.0	0.0	0.0	0.0
11-12	0.80	0.78	0.80	0.79	0.01	0.02	0.03	0.0	0.0	0.0	0.0	0.0
12-13	0.78	0.78	0.78	0.79	0.02	0.01	0.03	0.0	0.0	0.0	0.0	0.0
13-14	0.73	0.77	0.72	0.79	0.02	-0.04	-0.02	0.0	0.0	0.0	0.0	0.0
14-15	0.76	0.77	0.76	0.79	0.01	-0.01	0.00	0.0	0.0	0.0	0.0	0.0
15-16	0.76	0.77	0.76	0.78	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	0.0
16-17	0.77	0.77	0.77	0.78	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0
17-18	0.77	0.76	0.77	0.78	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0
18-19	0.79	0.77	0.79	0.78	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0
19-20	0.79	0.76	0.78	0.78	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0
20-21	0.79	0.77	0.78	0.78	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0
21-22	0.78	0.76	0.77	0.78	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0
22-23	0.77	0.76	0.77	0.78	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0
23-24	0.73	0.75	0.72	0.78	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0
TOTAL	18.70	18.45	18.73	18.86	0.09	0.25	0.34					

SHORTWAVE RADIATION (MJ/M**2)												
APR. 29												
HOUR	GLOBAL(SURFACE)				REFLECTED(SURFACE)				GLOBAL(30M)		REFLECTED(30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0
6-7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0
7-8	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0
8-9	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0
9-10	0.03	0.02	0.01	9.99	0.02	0.01	0.00	9.99	0.03	0.0	0.03	0.00
10-11	0.10	0.07	0.05	9.99	0.08	0.05	0.03	9.99	0.10	0.01	0.08	0.02
11-12	0.13	0.08	0.06	9.99	0.10	0.07	0.05	9.99	0.12	0.01	0.11	0.03
12-13	0.10	0.06	0.04	9.99	0.08	0.05	0.03	9.99	0.09	0.0	0.09	0.02
13-14	0.08	0.05	0.03	9.99	0.07	0.04	0.03	9.99	0.08	0.0	0.08	0.02
14-15	0.03	0.02	0.01	9.99	0.03	0.01	0.01	9.99	0.03	0.0	0.04	0.0
15-16	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0
TOTAL	0.47	0.30	0.20	99.99	0.38	0.23	0.14	99.99	0.45	0.02	0.43	0.09

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
APR. 29												
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(530)	(630)	(695)	(695)	
0-1	0.71	0.76	0.71	0.78	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
1-2	0.71	0.76	0.70	0.78	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
2-3	0.76	0.76	0.76	0.78	0.0	0.00	0.00	0.0	0.0	0.0	0.0	
3-4	0.75	0.75	0.75	0.78	0.0	0.00	0.00	0.0	0.0	0.0	0.0	
4-5	0.72	0.74	0.72	0.77	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	
5-6	0.65	0.73	0.65	0.76	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
6-7	0.61	0.72	0.61	0.75	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
7-8	0.63	0.71	0.63	0.75	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
8-9	0.62	0.71	0.62	0.75	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
9-10	0.63	0.71	0.63	0.75	0.01	-0.08	-0.07	0.0	0.0	0.0	0.0	
10-11	0.67	0.72	0.67	0.74	0.02	-0.05	-0.03	0.0	0.0	0.0	0.0	
11-12	0.71	0.72	0.70	0.74	0.03	-0.02	0.01	0.0	0.0	0.0	0.0	
12-13	0.70	0.73	0.70	0.75	0.01	-0.03	-0.01	0.0	0.0	0.0	0.0	
13-14	0.66	0.72	0.65	0.74	0.01	-0.06	-0.05	0.0	0.0	0.0	0.0	
14-15	0.61	0.70	0.61	0.73	0.01	-0.09	-0.08	0.0	0.0	0.0	0.0	
15-16	0.61	0.69	0.61	0.72	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
16-17	0.58	0.68	0.58	0.71	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
17-18	0.51	0.67	0.50	0.70	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
18-19	0.57	0.66	0.56	0.69	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
19-20	0.58	0.66	0.57	0.68	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
20-21	0.56	0.65	0.55	0.67	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
21-22	0.54	0.64	0.53	0.66	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
22-23	0.54	0.63	0.52	0.65	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
23-24	0.54	0.63	0.53	0.65	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
TOTAL	15.16	16.85	15.07	17.45	0.09	-1.68	-1.59					



APR. 30													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	
9-10	0.03*	0.02	0.01	9.99	0.02	0.01	0.0	9.99	0.03	0.0	0.03	0.0	
10-11	0.07	0.04	0.03	9.99	0.05	0.03	0.02	9.99	0.07	0.0	0.07	0.01	
11-12	0.11	0.07	0.05	9.99	0.09	0.06	0.04	9.99	0.11	0.01	0.10	0.03	
12-13	0.08	0.05	0.03	9.99	0.07	0.04	0.02	9.99	0.08	0.0	0.08	0.01	
13-14	0.07	0.04	0.03	9.99	0.06	0.03	0.02	9.99	0.07	0.0	0.06	0.01	
14-15	0.02	0.00	0.0	9.99	0.01	0.0	0.0	9.99	0.02	0.0	0.02	0.0	
15-16	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.00	0.0	
16-17	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	
TOTAL	0.38	0.21	0.15	99.99	0.30	0.17	0.09	99.99	0.37	0.01	0.37	0.06	

APR. 30													
LONGWAVE RADIATION (MJ/M**2)													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (Kw/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.49	0.62	0.48	0.64	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
1-2	0.46	0.61	0.45	0.64	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
2-3	0.46	0.60	0.45	0.63	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
3-4	0.45	0.59	0.43	0.62	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
4-5	0.43	0.58	0.41	0.61	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
5-6	0.44	0.57	0.42	0.60	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
6-7	0.45	0.57	0.43	0.59	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
7-8	0.44	0.55	0.42	0.58	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
8-9	0.44	0.56	0.42	0.58	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
9-10	0.48	0.55	0.47	0.58	0.01	-0.07	-0.06	0.0	0.0	0.0	0.0		
10-11	0.45	0.55	0.43	0.57	0.02	-0.10	-0.08	0.0	0.0	0.0	0.0		
11-12	0.49	0.55	0.47	0.57	0.03	-0.07	-0.04	0.001	0.000	0.0	0.0		
12-13	0.55	0.56	0.54	0.57	0.01	-0.01	0.00	0.0	0.0	0.0	0.0		
13-14	0.53	0.56	0.53	0.57	0.02	-0.02	-0.01	0.0	0.0	0.0	0.0		
14-15	0.55	0.56	0.55	0.58	0.00	-0.01	-0.01	0.0	0.0	0.0	0.0		
15-16	0.51	0.56	0.51	0.58	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
16-17	0.52	0.55	0.52	0.58	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
17-18	0.51	0.56	0.51	0.58	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
18-19	0.58	0.57	0.58	0.58	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
19-20	0.58	0.57	0.58	0.59	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
20-21	0.55	0.58	0.56	0.60	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
21-22	0.59	0.58	0.60	0.62	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
22-23	0.61	0.59	0.63	0.63	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
23-24	0.59	0.59	0.61	0.63	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
TOTAL	12.16	13.72	11.98	14.34	0.08	-1.55	-1.47						

SHORTWAVE RADIATION (MJ/M**2)													
MAY 1													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.02	0.00	0.0	0.02	0.01	0.00	0.0	0.0	0.01	0.00	0.02	0.0	
10-11	0.07	0.04	0.03	0.07	0.06	0.03	0.02	0.01	0.06	0.03	0.06	0.01	
11-12	0.11	0.08	0.06	0.12	0.09	0.06	0.04	0.03	0.10	0.04	0.10	0.03	
12-13	0.11	0.07	0.06	0.12	0.10	0.06	0.04	0.04	0.11	0.04	0.10	0.03	
13-14	0.09	0.06	0.05	0.09	0.07	0.05	0.03	0.03	0.08	0.03	0.08	0.02	
14-15	0.03	0.02	0.01	0.03	0.02	0.01	0.01	0.00	0.02	0.02	0.03	0.0	
15-16	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.43	0.27	0.20	0.47	0.36	0.22	0.14	0.12	0.39	0.17	0.38	0.09	

LONGWAVE RADIATION (MJ/M**2)													
MAY 1													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.57	0.60	0.60	0.64	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
1-2	0.62	0.62	0.65	0.65	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0		
2-3	0.62	0.62	0.65	0.66	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0		
3-4	0.63	0.63	0.66	0.66	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
4-5	0.62	0.63	0.65	0.67	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
5-6	0.64	0.64	0.67	0.68	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
6-7	0.66	0.66	0.68	0.70	0.0	0.00	0.00	0.0	0.0	0.0	0.0		
7-8	0.67	0.66	0.69	0.70	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
8-9	0.68	0.68	0.69	0.71	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
9-10	0.66	0.66	0.69	0.71	0.00	-0.01	-0.00	0.0	0.0	0.0	0.0		
10-11	0.64	0.66	0.68	0.71	0.01	-0.02	-0.01	0.0	0.0	0.0	0.0		
11-12	0.65	0.67	0.69	0.72	0.01	-0.02	-0.00	0.0	0.0	0.0	0.0		
12-13	0.63	0.66	0.68	0.71	0.02	-0.03	-0.01	0.009	0.005	0.004	0.004		
13-14	0.68	0.67	0.71	0.72	0.02	0.01	0.03	0.000	0.000	0.000	0.000		
14-15	0.68	0.68	0.71	0.72	0.01	0.00	0.01	0.0	0.0	0.0	0.0		
15-16	0.65	0.66	0.68	0.71	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
16-17	0.69	0.68	0.71	0.71	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
17-18	0.70	0.69	0.72	0.72	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
18-19	0.71	0.70	0.73	0.72	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
19-20	0.71	0.70	0.73	0.72	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
20-21	0.71	0.70	0.72	0.72	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
21-22	0.71	0.69	0.71	0.71	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
22-23	0.70	0.69	0.71	0.71	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
23-24	0.69	0.69	0.71	0.70	0.0	0.00	0.00	0.0	0.0	0.0	0.0		
TOTAL	15.91	15.91	16.53	16.77	0.07	0.00	0.07						

MAY 2		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.05*	0.03	0.01	0.01	0.03	0.01	0.01	0.01	0.01	0.15	0.06	0.08	
10-11	0.16	0.12	0.08	0.08	0.11	0.08	0.06	0.05	0.05	0.39	0.19	0.20	
11-12	0.24	0.20	0.13	0.10	0.16	0.12	0.09	0.08	0.08	0.51	0.23	0.27	
12-13	0.26	0.19	0.13	0.11	0.15	0.12	0.10	0.09	0.09	0.48	0.23	0.26	
13-14	0.21	0.15	0.08	0.08	0.11	0.08	0.07	0.06	0.06	0.37	0.18	0.20	
14-15	0.21	0.02	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.09	0.03	0.07	
15-16	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	1.13	0.71	0.46	0.42	0.58	0.44	0.35	0.31	0.31	1.98	0.92	1.08	

MAY 2		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE						
0-1	0.69	0.67	0.70	0.69	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0
1-2	0.66	0.64	0.66	0.65	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0
2-3	0.63	0.62	0.63	0.63	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0
3-4	0.60	0.59	0.61	0.60	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0
4-5	0.58	0.57	0.58	0.58	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0
5-6	0.57	0.55	0.57	0.57	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0
6-7	0.55	0.54	0.55	0.55	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0
7-8	0.53	0.53	0.54	0.54	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0
8-9	0.39	0.52	0.39	0.52	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0
9-10	0.39	0.52	0.39	0.52	0.02	-0.13	-0.11	0.020	0.012	0.011	0.009	
10-11	0.39	0.53	0.39	0.53	0.04	-0.14	-0.09	0.197	0.169	0.158	0.130	
11-12	0.39	0.53	0.39	0.53	0.08	-0.14	-0.05	0.319	0.271	0.246	0.210	
12-13	0.39	0.53	0.39	0.53	0.10	-0.14	-0.04	0.366	0.324	0.292	0.268	
13-14	0.39	0.53	0.39	0.53	0.10	-0.14	-0.04	0.286	0.250	0.234	0.215	
14-15	0.37	0.51	0.37	0.51	0.19	-0.13	0.06	0.051	0.039	0.035	0.031	
15-16	0.38	1.27	0.50	0.51	0.0	-0.89	-0.89	0.0	0.0	0.0	0.0	
16-17	0.38	0.50	0.51	0.51	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
17-18	0.38	0.49	0.50	0.50	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
18-19	0.38	0.48	0.49	0.49	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
19-20	0.38	0.48	0.49	0.49	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
20-21	0.38	0.48	0.49	0.49	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
21-22	0.38	0.48	0.49	0.50	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
22-23	0.39	0.48	0.49	0.49	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
23-24	0.39	0.49	0.49	0.49	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
TOTAL	10.97	13.54	11.98	12.94	0.54	-2.57	-2.03					

SHORTWAVE RADIATION (MJ/M**2)												
MAY 3	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
9-10	0.02*	0.01	0.00	0.06	0.01	0.00	0.0	0.0	0.01	0.02	0.02	0.00
10-11	0.08*	0.06	0.04	0.08	0.06	0.04	0.03	0.02	0.09	0.03	0.09	0.04
11-12	0.13*	0.10	0.08	0.14	0.10	0.07	0.05	0.04	0.16	0.07	0.14	0.07
12-13	0.15	0.11	0.08	0.15	0.11	0.08	0.05	0.05	0.20	0.10	0.17	0.10
13-14	0.10	0.08	0.06	0.10	0.07	0.06	0.04	0.03	0.16	0.08	0.14	0.08
14-15	0.08	0.02	0.01	0.07	0.02	0.01	0.01	0.01	0.03	0.02	0.04	0.01
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.57	0.38	0.28	0.62	0.37	0.27	0.18	0.15	0.65	0.35	0.61	0.31

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
MAY 3	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
HR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.40	0.49	0.49	0.49	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
1-2	0.41	0.49	0.49	0.49	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
2-3	0.41	0.49	0.49	0.50	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	
3-4	0.42	0.49	0.50	0.50	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	
4-5	0.41	0.49	0.49	0.50	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
5-6	0.42	0.49	0.50	0.50	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	
6-7	0.42	0.49	0.50	0.50	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
7-8	0.43	0.49	0.50	0.50	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	
8-9	0.42	0.50	0.51	0.51	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
9-10	0.41	0.49	0.50	0.51	0.02	-0.09	-0.07	0.0	0.0	0.0	0.0	
10-11	0.41	0.50	0.50	0.51	0.02	-0.09	-0.07	0.0	0.0	0.0	0.0	
11-12	0.41	0.50	0.50	0.51	0.03	-0.09	-0.06	0.000	0.0	0.0	0.0	
12-13	0.41	0.50	0.51	0.51	0.04	-0.09	-0.05	0.007	0.000	0.0	0.000	
13-14	0.41	0.51	0.51	0.51	0.03	-0.10	-0.07	0.007	0.003	0.001	0.004	
14-15	0.41	0.51	0.51	0.51	0.06	-0.10	-0.04	0.0	0.0	0.0	0.0	
15-16	0.41	0.51	0.52	0.51	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
16-17	0.41	0.50	0.53	0.50	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
17-18	0.41	0.49	0.51	0.51	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
18-19	0.40	0.49	0.50	0.50	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
19-20	0.40	0.49	0.50	0.50	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
20-21	0.41	0.49	0.50	0.51	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
21-22	0.40	0.49	0.51	0.51	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
22-23	0.40	0.49	0.50	0.51	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
23-24	0.41	0.49	0.51	0.51	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
TOTAL	9.83	11.86	12.09	12.10	0.20	-2.03	-1.83					

SHORTWAVE RADIATION (MJ/M**2)													
MAY 4		GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HR		(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0
1-2	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0
5-6	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	:	0.01	0.01	0.00	0.07	0.01	0.00	0.0	0.0	0.01	0.02	0.01	0.00
10-11	:	0.07	0.05	0.04	0.07	0.06	0.04	0.02	0.02	0.07	0.01	0.06	0.02
11-12	:	0.13	0.10	0.08	0.11	0.10	0.08	0.04	0.04	0.15	0.04	0.11	0.06
12-13	:	0.13	0.11	0.09	0.09	0.11	0.09	0.02	0.05	0.17	0.03	0.14	0.05
13-14	:	0.11	0.09	0.07	0.07	0.08	0.07	0.01	0.04	0.11	0.02	0.11	0.04
14-15	:	0.01	0.01	0.00	0.02	0.01	0.00	0.00	0.0	0.01	0.0	0.01	0.00
15-16	:	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.03	0.00	0.00
16-17	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
17-18	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.0
18-19	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
19-20	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
20-21	:	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
21-22	:	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
22-23	:	0.0	0.0	0.0	0.08	0.0	0.0	0.0	0.0	0.0	0.01	0.00	0.0
23-24	:	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.01	0.00	0.0
TOTAL	:	0.46	0.35	0.29	0.71	0.37	0.28	0.10	0.16	0.53	0.18	0.47	0.18

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)																
MAY 4		LONGWAVE RADIATION (SURFACE)				LONGWAVE RADIATION (30M)				NET RADIATION (SURFACE)			DIRECT RADIATION			
HR		DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)				
0-1	:	0.41	0.50	0.51	0.51	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0				
1-2	:	0.41	0.50	0.51	0.60	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0				
2-3	:	0.42	0.50	0.51	0.53	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0				
3-4	:	0.41	0.50	0.55	0.52	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0				
4-5	:	0.42	0.50	0.52	0.51	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0				
5-6	:	0.43	0.50	0.53	0.51	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0				
6-7	:	0.44	0.51	0.51	0.51	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0				
7-8	:	0.49	0.55	0.52	0.53	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0				
8-9	:	0.44	0.50	0.51	0.53	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0				
9-10	:	0.44	0.50	0.51	0.52	0.00	-0.06	-0.06	0.0	0.0	0.0	0.0				
10-11	:	0.43	0.51	0.51	0.52	0.01	-0.08	-0.07	0.0	0.0	0.0	0.0				
11-12	:	0.42	0.51	0.50	0.52	0.03	-0.08	-0.06	0.0	0.0	0.0	0.0				
12-13	:	0.43	0.51	0.51	0.53	0.03	-0.08	-0.06	0.0	0.0	0.0	0.0				
13-14	:	0.43	0.52	0.52	0.54	0.02	-0.08	-0.06	0.0	0.0	0.0	0.0				
14-15	:	0.43	0.51	0.67	0.66	0.00	-0.08	-0.08	0.0	0.0	0.0	0.0				
15-16	:	0.44	0.52	0.49	0.53	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0				
16-17	:	0.44	0.53	0.49	0.54	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0				
17-18	:	0.46	0.54	0.81	0.83	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0				
18-19	:	0.48	0.54	0.50	0.56	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0				
19-20	:	0.48	0.55	0.50	0.56	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0				
20-21	:	0.49	0.55	0.50	0.56	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0				
21-22	:	0.50	0.56	0.51	0.57	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0				
22-23	:	0.51	0.56	0.50	0.57	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0				
23-24	:	0.51	0.57	0.51	0.58	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0				
TOTAL	:	10.78	12.54	12.72	13.36	0.09	-1.76	-1.66								

MAY 5		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
1-2	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.04	0.00	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	
5-6	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	
8-9	0.0	0.0	0.0	0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
9-10	0.01	0.00	0.0	0.0	0.00	0.00	0.0	0.0	0.01	0.01	0.01	0.0	
10-11	0.04	0.03	0.01	0.03	0.04	0.02	0.01	0.00	0.05	0.02	0.03	0.01	
11-12	0.08	0.05	0.04	0.08	0.06	0.04	0.03	0.02	0.08	0.03	0.04	0.01	
12-13	0.08	0.05	0.04	0.07	0.06	0.04	0.03	0.03	0.08	0.03	0.04	0.02	
13-14	0.03	0.01	0.01	0.03	0.03	0.01	0.00	0.00	0.03	0.01	0.02	0.00	
14-15	0.00	0.0	0.0	0.04	0.0	0.00	0.0	0.0	0.01	0.01	0.01	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
TOTAL	0.24	0.15	0.09	0.53	0.19	0.12	0.06	0.06	0.24	0.14	0.19	0.04	

MAY 5		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	TOTAL					
0-1	0.53	0.58	0.52	0.58	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
1-2	0.53	0.59	0.53	0.59	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
2-3	0.55	0.59	0.53	0.60	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
3-4	0.56	0.60	0.54	0.60	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
4-5	0.57	0.60	0.54	0.61	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	
5-6	0.57	0.61	0.54	0.62	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
6-7	0.58	0.62	0.55	0.63	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
7-8	0.58	0.62	0.56	0.64	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
8-9	0.58	0.62	0.55	0.64	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
9-10	0.57	0.62	0.55	0.63	0.01	-0.05	-0.04	0.0	0.0	0.000	0.0	
10-11	0.57	0.62	0.55	0.64	0.01	-0.06	-0.05	0.0	0.000	0.0	0.0	
11-12	0.57	0.63	0.55	0.64	0.02	-0.06	-0.04	0.000	0.000	0.0	0.0	
12-13	0.57	0.63	0.56	0.64	0.02	-0.06	-0.04	0.0	0.0	0.000	0.0	
13-14	0.58	0.63	0.56	0.64	0.01	-0.05	-0.05	0.0	0.0	0.000	0.0	
14-15	0.59	0.63	0.56	0.64	0.00	-0.04	-0.04	0.0	0.000	0.000	0.0	
15-16	0.58	0.64	0.56	0.65	0.0	-0.06	-0.06	0.000	0.0	0.0	0.0	
16-17	0.58	0.64	0.57	0.65	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
17-18	0.59	0.64	0.57	0.65	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
18-19	0.59	0.64	0.58	0.66	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
19-20	0.60	0.65	0.57	0.66	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
20-21	0.60	0.65	0.58	0.67	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	
21-22	0.59	0.65	0.56	0.67	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	
22-23	0.58	0.64	0.56	0.66	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	
23-24	0.56	0.64	0.55	0.66	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
TOTAL	13.75	14.96	13.27	15.28	0.05	-1.21	-1.15					

SHORTWAVE RADIATION (MJ/M**2)													
MAY 6													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.00	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	
9-10	0.00	0.0	0.0	0.05	0.00	0.00	0.0	0.0	0.01	0.00	0.01	0.0	
10-11	0.04	0.03	0.02	0.04	0.04	0.02	0.01	0.01	0.04	0.02	0.03	0.01	
11-12	0.08	0.05	0.03	0.07	0.07	0.05	0.03	0.03	0.08	0.03	0.04	0.02	
12-13	0.08	0.05	0.04	0.08	0.07	0.05	0.03	0.03	0.09	0.03	0.04	0.02	
13-14	0.05	0.03	0.02	0.05	0.04	0.03	0.01	0.01	0.04	0.02	0.03	0.02	
14-15	0.01	0.00	0.00	0.0	0.00	0.00	0.00	0.0	0.01	0.01	0.01	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
TOTAL	0.26	0.17	0.10	0.29	0.22	0.15	0.09	0.06	0.27	0.13	0.18	0.08	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
MAY 6													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.55	0.64	0.54	0.65	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	
1-2	0.53	0.63	0.52	0.64	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
2-3	0.52	0.62	0.51	0.64	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
3-4	0.52	0.61	0.51	0.63	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
4-5	0.54	0.61	0.53	0.63	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	
5-6	0.54	0.61	0.52	0.63	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	
6-7	0.53	0.61	0.52	0.63	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	
7-8	0.54	0.60	0.52	0.62	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	
8-9	0.54	0.61	0.52	0.63	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	
9-10	0.55	0.61	0.53	0.63	0.00	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	
10-11	0.57	0.61	0.55	0.63	0.01	-0.05	-0.04	0.0	0.0	0.0	0.0	0.0	
11-12	0.56	0.62	0.54	0.63	0.01	-0.05	-0.04	0.0	0.0	0.0	0.0	0.0	
12-13	0.57	0.62	0.54	0.64	0.01	-0.05	-0.04	0.0	0.0	0.0	0.0	0.0	
13-14	0.57	0.62	0.55	0.64	0.01	-0.05	-0.04	0.0	0.0	0.0	0.0	0.0	
14-15	0.58	0.63	0.55	0.63	0.00	-0.05	-0.04	0.0	0.0	0.0	0.000	0.0	
15-16	0.58	0.63	0.56	0.65	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	
16-17	0.58	0.63	0.54	0.65	0.0	-0.05	-0.05	0.0	0.0	0.000	0.0	0.0	
17-18	0.58	0.63	0.56	0.66	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	
18-19	0.58	0.64	0.55	0.66	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	
19-20	0.59	0.65	0.56	0.66	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	
20-21	0.59	0.65	0.57	0.67	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	
21-22	0.57	0.64	0.56	0.66	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	
22-23	0.54	0.64	0.53	0.66	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
23-24	0.54	0.65	0.52	0.66	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	
TOTAL	13.36	15.01	12.87	15.43	0.04	-1.65	-1.61						

SHORTWAVE RADIATION (MJ/M**2)													
MAY 7													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.01*	0.00	0.0	0.03	0.00	0.0	0.0	0.0	0.01	0.01	0.01	0.00	
10-11	0.05*	0.03	0.02	0.06	0.04	0.02	0.01	0.01	0.10	0.05	0.07	0.04	
11-12	0.11	0.09	0.07	0.13	0.07	0.05	0.04	0.03	0.20	0.11	0.13	0.09	
12-13	0.20	0.14	0.09	0.20	0.08	0.06	0.05	0.04	0.28	0.16	0.16	0.10	
13-14	0.11	0.07	0.05	0.12	0.04	0.03	0.02	0.02	0.19	0.08	0.11	0.07	
14-15	0.01	0.01	0.00	0.03	0.00	0.00	0.0	0.0	0.03	0.01	0.02	0.01	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.48	0.35	0.24	0.59	0.24	0.17	0.11	0.10	0.82	0.42	0.50	0.31	

LONGWAVE RADIATION (MJ/M**2)													
MAY 7													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.51	0.64	0.51	0.66	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
1-2	0.52	0.64	0.51	0.66	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
2-3	0.53	0.65	0.52	0.67	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
3-4	0.52	0.64	0.51	0.66	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
4-5	0.51	0.64	0.50	0.66	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
5-6	0.47	0.64	0.48	0.66	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
6-7	0.45	0.64	0.48	0.66	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
7-8	0.45	0.63	0.48	0.65	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
8-9	0.44	0.63	0.47	0.65	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
9-10	0.43	0.62	0.46	0.65	0.00	-0.19	-0.19	0.0	0.0	0.0	0.0		
10-11	0.42	0.62	0.46	0.64	0.01	-0.20	-0.19	0.017	0.017	0.015	0.014		
11-12	0.41	0.62	0.44	0.65	0.04	-0.21	-0.17	0.068	0.065	0.060	0.055		
12-13	0.39	0.62	0.44	0.65	0.12	-0.23	-0.11	0.220	0.212	0.197	0.181		
13-14	0.41	0.63	0.45	0.64	0.06	-0.22	-0.15	0.130	0.126	0.117	0.111		
14-15	0.42	0.62	0.44	0.63	0.01	-0.20	-0.20	0.012	0.011	0.010	0.010		
15-16	0.42	0.62	0.44	0.64	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
16-17	0.42	0.62	0.42	0.63	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
17-18	0.42	0.61	0.43	0.63	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
18-19	0.44	0.62	0.44	0.64	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
19-20	0.44	0.62	0.44	0.64	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
20-21	0.44	0.62	0.43	0.64	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
21-22	0.43	0.62	0.43	0.64	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
22-23	0.42	0.62	0.42	0.63	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
23-24	0.42	0.61	0.42	0.63	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
TOTAL	10.72	15.06	11.01	15.53	0.24	-4.34	-4.10						



SHORTWAVE RADIATION (MJ/M**2)													
MAY 8		GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.02	0.0	0.0	0.10	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.01	
10-11	0.04*	0.03	0.02	0.05	0.03	0.02	0.01	0.01	0.05	0.02	0.08	0.04	
11-12	0.09	0.06	0.05	0.10	0.07	0.05	0.03	0.03	0.08	0.03	0.14	0.09	
12-13	0.10	0.07	0.05	0.10	0.07	0.05	0.03	0.03	0.07	0.03	0.14	0.10	
13-14	0.06	0.04	0.03	0.06	0.04	0.02	0.02	0.01	0.05	0.00	0.10	0.06	
14-15	0.06	0.01	0.0	0.08	0.00	0.0	0.0	0.0	0.01	0.0	0.02	0.00	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.38	0.21	0.15	0.48	0.21	0.14	0.09	0.07	0.27	0.09	0.47	0.29	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)															
MAY 8		(SURFACE)				(30M)			(SURFACE)			(BLANK)			
HR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)				
0-1	0.42	0.62	0.41	0.63	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0				
1-2	0.42	0.62	0.42	0.64	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0				
2-3	0.41	0.61	0.42	0.63	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0				
3-4	0.42	0.62	0.41	0.64	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0				
4-5	0.44	0.62	0.42	0.64	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0				
5-6	0.43	0.62	0.42	0.64	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0				
6-7	0.43	0.63	0.42	0.65	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0				
7-8	0.44	0.63	0.41	0.65	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0				
8-9	0.42	0.62	0.41	0.64	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0				
9-10	0.43	0.63	0.41	0.65	0.02	-0.20	-0.18	0.0	0.0	0.0	0.0				
10-11	0.43	0.63	0.42	0.65	0.01	-0.20	-0.19	0.022	0.021	0.020	0.018				
11-12	0.45	0.64	0.42	0.66	0.02	-0.19	-0.17	0.054	0.052	0.048	0.043				
12-13	0.45	0.64	0.43	0.66	0.03	-0.19	-0.16	0.057	0.055	0.050	0.045				
13-14	0.44	0.64	0.42	0.66	0.02	-0.20	-0.17	0.035	0.031	0.027	0.026				
14-15	0.43	0.64	0.42	0.65	0.06	-0.20	-0.14	0.003	0.003	0.002	0.002				
15-16	0.44	0.64	0.42	0.66	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0				
16-17	0.43	0.64	0.41	0.65	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0				
17-18	0.41	0.63	0.39	0.65	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0				
18-19	0.39	0.62	0.38	0.63	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0				
19-20	0.38	0.61	0.37	0.62	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0				
20-21	0.38	0.61	0.37	0.62	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0				
21-22	0.39	0.61	0.39	0.63	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0				
22-23	0.39	0.61	0.39	0.62	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0				
23-24	0.41	0.61	0.40	0.62	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0				
TOTAL	10.09	14.96	9.76	15.40	0.16	-4.87	-4.70								

SHORTWAVE RADIATION (MJ/M**2)													
MAY 9													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
9-10	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
10-11	0.04	0.02	0.01	0.04	0.03	0.02	0.01	0.01	0.04	0.02	0.07	0.03	
11-12	0.12	0.09	0.05	0.12	0.07	0.05	0.03	0.03	0.08	0.03	0.13	0.08	
12-13	0.18	0.11	0.06	0.17	0.07	0.05	0.04	0.03	0.08	0.04	0.14	0.08	
13-14	0.08	0.04	0.03	0.07	0.03	0.02	0.01	0.01	0.05	0.0	0.09	0.05	
14-15	0.03	0.0	0.0	0.05	0.0	0.0	0.0	0.0	0.00	0.0	0.01	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.45	0.26	0.16	0.48	0.21	0.14	0.09	0.08	0.25	0.09	0.44	0.24	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
MAY 9													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.43	0.61	0.41	0.62	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
1-2	0.43	0.61	0.42	0.63	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
2-3	0.43	0.61	0.43	0.63	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
3-4	0.43	0.60	0.43	0.62	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
4-5	0.43	0.60	0.42	0.62	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
5-6	0.43	0.60	0.42	0.62	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
6-7	0.42	0.60	0.40	0.62	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
7-8	0.42	0.60	0.40	0.62	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
8-9	0.42	0.60	0.40	0.62	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
9-10	0.40	0.60	0.40	0.62	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
10-11	0.41	0.60	0.40	0.62	0.01	-0.19	-0.18	0.047	0.046	0.043	0.040		
11-12	0.40	0.60	0.40	0.62	0.05	-0.20	-0.15	0.194	0.193	0.180	0.164		
12-13	0.40	0.60	0.39	0.62	0.10	-0.20	-0.10	0.288	0.282	0.263	0.242		
13-14	0.40	0.60	0.39	0.62	0.05	-0.20	-0.15	0.118	0.112	0.106	0.098		
14-15	0.40	0.60	0.39	0.62	0.03	-0.20	-0.16	0.001	0.000	0.000	0.000		
15-16	0.40	0.60	0.39	0.61	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
16-17	0.40	0.59	0.39	0.61	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
17-18	0.41	0.59	0.39	0.61	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
18-19	0.39	0.59	0.39	0.61	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
19-20	0.39	0.59	0.39	0.61	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
20-21	0.40	0.59	0.39	0.60	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
21-22	0.41	0.58	0.39	0.60	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
22-23	0.42	0.58	0.40	0.60	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
23-24	0.43	0.58	0.41	0.60	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
TOTAL	9.91	14.34	9.66	14.77	0.25	-4.42	-4.18						

SHORTWAVE RADIATION (MJ/M**2)													
MAY 10													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
10-11	0.04*	0.03	0.02	0.03	0.03	0.02	0.00	0.01	0.04	0.01	0.06	0.01	0.01
11-12	0.11	0.08	0.06	0.05	0.06	0.04	0.03	0.20	0.07	0.04	0.13	0.05	0.05
12-13	0.08	0.06	0.05	0.04	0.05	0.05	0.03	0.03	0.07	0.03	0.11	0.06	0.06
13-14	0.04	0.02	0.02	0.02	0.03	0.02	0.01	0.01	0.03	0.02	0.05	0.02	0.02
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.01	0.0	0.0
15-16	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.27	0.18	0.15	0.22	0.16	0.13	0.06	0.24	0.21	0.10	0.36	0.14	0.14

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
MAY 10													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.42	0.57	0.40	0.60	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.41	0.57	0.40	0.60	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.41	0.57	0.40	0.60	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.40	0.57	0.40	0.60	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.40	0.57	0.40	0.60	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.39	0.57	0.39	0.59	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.39	0.57	0.39	0.59	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.39	0.57	0.38	0.59	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.39	0.57	0.37	0.59	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.39	0.57	0.37	0.59	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.39	0.57	0.37	0.60	0.01	-0.18	-0.17	0.046	0.047	0.044	0.043	0.043	0.043
11-12	0.38	0.58	0.37	0.60	0.05	-0.20	-0.14	0.210	0.208	0.195	0.179	0.179	0.179
12-13	0.40	0.57	0.38	0.59	0.03	-0.17	-0.14	0.054	0.051	0.046	0.043	0.043	0.043
13-14	0.38	0.56	0.36	0.58	0.01	-0.18	-0.17	0.002	0.001	0.000	0.000	0.000	0.000
14-15	0.39	0.55	0.36	0.57	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.39	0.55	0.35	0.56	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.39	0.55	0.35	0.56	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.38	0.55	0.34	0.57	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.37	0.54	0.34	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.39	0.54	0.34	0.56	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.41	0.54	0.35	0.55	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.42	0.54	0.44	0.55	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.43	0.53	0.55	0.55	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.42	0.53	0.55	0.55	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	9.51	13.42	9.36	13.91	0.11	-3.91	-3.80						

		SHORTWAVE RADIATION (MJ/M**2)											
MAY 11		GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HR		(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7		0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10		0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11		0.02	0.01	0.01	0.00	0.01	0.01	0.0	0.0	0.02	0.01	0.01	0.00
11-12		0.05	0.04	0.03	0.03	0.05	0.03	0.01	0.02	0.04	0.02	0.05	0.02
12-13		0.05	0.03	0.03	0.02	0.04	0.03	0.02	0.02	0.06	0.03	0.05	0.02
13-14		0.02	0.01	0.01	0.01	0.02	0.01	0.00	0.00	0.02	0.02	0.03	0.00
14-15		0.0	0.0	0.0	0.07	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
15-16		0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
17-18		0.0	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0
18-19		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
20-21		0.0	0.0	0.0	0.01	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0
21-22		0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23		0.0	0.0	0.0	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL		0.15	0.10	0.07	0.45	0.12	0.08	0.03	0.04	0.15	0.09	0.14	0.04

		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
MAY 11		(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)
HR		DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL				
0-1		0.42	0.53	0.54	0.54	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0
1-2		0.42	0.53	0.54	0.54	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0
2-3		0.39	0.53	0.54	0.54	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0
3-4		0.39	0.52	0.54	0.54	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0
4-5		0.39	0.52	0.54	0.54	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0
5-6		0.39	0.52	0.54	0.54	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0
6-7		0.37	0.51	0.54	0.54	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0
7-8		0.38	0.51	0.54	0.54	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0
8-9		0.40	0.52	0.54	0.54	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0
9-10		0.41	0.53	0.55	0.55	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0
10-11		0.40	0.53	0.43	0.55	0.00	-0.13	-0.12	0.0	0.0	0.0	0.0
11-12		0.40	0.53	0.35	0.54	0.00	-0.13	-0.13	0.0	0.0	0.0	0.0
12-13		0.42	0.53	0.36	0.55	0.01	-0.11	-0.10	0.0	0.0	0.0	0.0
13-14		0.42	0.53	0.38	0.54	0.01	-0.11	-0.10	0.0	0.0	0.0	0.0
14-15		0.44	0.53	0.38	0.54	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0
15-16		0.43	0.54	0.36	0.54	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0
16-17		0.44	0.53	0.39	0.55	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0
17-18		0.45	0.54	0.39	0.55	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0
18-19		0.46	0.55	0.39	0.55	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0
19-20		0.47	0.55	0.41	0.56	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0
20-21		0.47	0.56	0.35	0.56	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0
21-22		0.47	0.56	0.37	0.57	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0
22-23		0.47	0.56	0.38	0.57	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0
23-24		0.47	0.56	0.56	0.58	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0
TOTAL		10.18	12.83	10.91	13.16	0.03	-2.65	-2.63				

MAY 12		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5- 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6- 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7- 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8- 9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.04	0.00	0.0	0.01	0.01	0.00	0.0	0.0	0.02	0.03	0.02	0.0	
11-12	0.05	0.03	0.02	0.02	0.03	0.02	0.01	0.00	0.06	0.03	0.03	0.01	
12-13	0.05	0.03	0.03	0.02	0.04	0.03	0.01	0.01	0.08	0.03	0.04	0.02	
13-14	0.07	0.01	0.01	0.04	0.01	0.01	0.0	0.0	0.03	0.06	0.02	0.00	
14-15	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.20	0.07	0.06	0.10	0.09	0.06	0.02	0.01	0.19	0.14	0.11	0.04	

MAY 12		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE						
0- 1	0.46	0.56	0.58	0.58	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0
1- 2	0.46	0.56	0.58	0.58	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0
2- 3	0.47	0.57	0.59	0.59	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0
3- 4	0.47	0.57	0.59	0.59	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0
4- 5	0.46	0.57	0.59	0.59	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0
5- 6	0.45	0.57	0.59	0.59	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0
6- 7	0.43	0.56	0.58	0.58	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0
7- 8	0.43	0.56	0.58	0.58	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0
8- 9	0.41	0.56	0.58	0.58	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
9-10	0.41	0.56	0.56	0.58	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
10-11	0.40	0.55	0.35	0.57	0.02	-0.15	-0.13	0.0	0.0	0.0	0.0	0.0
11-12	0.39	0.55	0.34	0.57	0.02	-0.16	-0.14	0.0	0.0	0.0	0.0	0.0
12-13	0.37	0.54	0.35	0.57	0.02	-0.17	-0.16	0.0	0.0	0.0	0.0	0.0
13-14	0.36	0.54	0.34	0.56	0.06	-0.17	-0.12	0.0	0.0	0.0	0.0	0.0
14-15	0.37	0.54	0.34	0.56	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0
15-16	0.38	0.53	0.35	0.56	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
16-17	0.38	0.54	0.36	0.56	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
17-18	0.39	0.54	0.36	0.56	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
18-19	0.39	0.54	0.37	0.56	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
19-20	0.39	0.54	0.37	0.57	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
20-21	0.39	0.54	0.37	0.57	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
21-22	0.40	0.54	0.37	0.57	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
22-23	0.41	0.54	0.38	0.57	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0
23-24	0.41	0.54	0.39	0.56	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0
TOTAL	9.92	13.21	10.87	13.75	0.11	-3.30	-3.18					

SHORTWAVE RADIATION (MJ/M**2)												
MAY 13												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.01	0.00	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.04	0.03	0.02	0.01	0.03	0.02	0.0	0.0	0.02	0.01	0.01	0.00
12-13	0.04	0.03	0.02	0.02	0.03	0.02	0.00	0.0	0.05	0.03	0.03	0.01
13-14	0.01	0.01	0.0	0.03	0.01	0.0	0.0	0.0	0.02	0.01	0.01	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.10	0.06	0.04	0.06	0.06	0.04	0.00	0.0	0.08	0.09	0.05	0.01

LONGWAVE RADIATION (MJ/M**2) ; NET RADIATION (MJ/M**2) ; DIRECT RADIATION (KW/M**2)												
MAY 13												
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.41	0.54	0.38	0.55	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
1-2	0.41	0.54	0.38	0.55	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
2-3	0.41	0.54	0.39	0.55	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
3-4	0.42	0.54	0.39	0.56	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
4-5	0.41	0.54	0.39	0.55	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
5-6	0.41	0.54	0.38	0.55	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
6-7	0.41	0.53	0.38	0.55	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
7-8	0.41	0.53	0.38	0.55	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
8-9	0.42	0.53	0.38	0.54	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
9-10	0.42	0.53	0.38	0.54	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
10-11	0.42	0.53	0.38	0.54	0.01	-0.11	-0.11	0.0	0.0	0.0	0.0	
11-12	0.40	0.53	0.38	0.55	0.01	-0.13	-0.12	0.0	0.0	0.0	0.0	
12-13	0.40	0.53	0.38	0.55	0.02	-0.13	-0.11	0.0	0.0	0.0	0.0	
13-14	0.40	0.53	0.38	0.55	0.01	-0.13	-0.12	0.0	0.0	0.0	0.0	
14-15	0.40	0.53	0.38	0.55	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
15-16	0.40	0.53	0.37	0.55	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
16-17	0.40	0.53	0.37	0.55	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
17-18	0.40	0.53	0.37	0.55	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
18-19	0.39	0.53	0.37	0.55	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
19-20	0.40	0.53	0.37	0.55	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
20-21	0.39	0.53	0.36	0.55	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
21-22	0.38	0.53	0.36	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
22-23	0.39	0.53	0.36	0.54	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
23-24	0.40	0.53	0.36	0.54	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
TOTAL	9.71	12.78	9.00	13.19	0.04	-3.07	-3.03					

SHORTWAVE RADIATION (MJ/M**2)													
MAY 14													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.01	0.0	0.00	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.01	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.02	0.0	0.00	0.14	0.00	0.00	0.00	0.0	0.0	0.0	0.0	0.0	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
MAY 14													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(530)	(630)	(695)			
0-1	0.40	0.53	0.37	0.54	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
1-2	0.40	0.53	0.37	0.54	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
2-3	0.40	0.53	0.36	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
3-4	0.40	0.54	0.36	0.54	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
4-5	0.41	0.53	0.37	0.54	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
5-6	0.41	0.54	0.37	0.55	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
6-7	0.41	0.54	0.38	0.55	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
7-8	0.41	0.54	0.37	0.55	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
8-9	0.42	0.54	0.37	0.56	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
9-10	0.42	0.55	0.37	0.56	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
10-11	0.43	0.56	0.37	0.57	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
11-12	0.43	0.56	0.38	0.56	0.01	-0.13	-0.12	0.0	0.0	0.0	0.0		
12-13	0.44	0.56	0.39	0.57	0.01	-0.12	-0.11	0.0	0.0	0.0	0.0		
13-14	0.44	0.57	0.39	0.59	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
14-15	0.45	0.57	0.38	0.58	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
15-16	0.45	0.58	0.39	0.59	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
16-17	0.46	0.58	0.39	0.59	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
17-18	0.47	0.59	0.42	0.59	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
18-19	0.50	0.59	0.45	0.59	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
19-20	0.57	0.60	0.56	0.61	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
20-21	0.61	0.62	0.60	0.62	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
21-22	0.63	0.63	0.64	0.62	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
22-23	0.65	0.63	0.66	0.63	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
23-24	0.64	0.63	0.64	0.63	0.0	0.00	0.00	0.0	0.0	0.0	0.0		
TOTAL	11.24	13.66	10.33	13.79	0.02	-2.42	-2.40						

SHORTWAVE RADIATION (MJ/M**2)													
MAY 15		GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.03	0.02	0.01	0.01	0.02	0.01	0.00	0.00	0.0	0.0	0.0	0.0	
12-13	0.02	0.00	0.0	0.00	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.00	0.0	0.0	0.01	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.05	0.02	0.01	0.03	0.03	0.01	0.00	0.00	0.0	0.0	0.0	0.0	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
MAY 15		(SURFACE)				(30M)				(SURFACE)			
HR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.61	0.63	0.61	0.64	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
1-2	0.62	0.64	0.61	0.64	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
2-3	0.64	0.64	0.63	0.64	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
3-4	0.68	0.65	0.69	0.65	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
4-5	0.69	0.66	0.70	0.65	0.0	0.03	0.03	0.0	0.0	0.0	0.0		
5-6	0.68	0.66	0.68	0.66	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
6-7	0.69	0.66	0.68	0.66	0.0	0.03	0.03	0.0	0.0	0.0	0.0		
7-8	0.66	0.67	0.66	0.67	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0		
8-9	0.63	0.67	0.61	0.68	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
9-10	0.59	0.66	0.58	0.67	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0		
10-11	0.56	0.66	0.54	0.68	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
11-12	0.62	0.68	0.60	0.69	0.01	-0.06	-0.05	0.0	0.0	0.0	0.0		
12-13	0.58	0.67	0.55	0.69	0.01	-0.10	-0.09	0.0	0.0	0.0	0.0		
13-14	0.59	0.69	0.57	0.70	0.00	-0.09	-0.09	0.0	0.0	0.0	0.0		
14-15	0.72	0.70	0.72	0.72	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
15-16	0.66	0.70	0.65	0.72	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
16-17	0.72	0.71	0.71	0.73	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
17-18	0.74	0.72	0.74	0.74	0.0	0.03	0.03	0.0	0.0	0.0	0.0		
18-19	0.74	0.72	0.74	0.74	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
19-20	0.75	0.72	0.74	0.74	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
20-21	0.75	0.73	0.74	0.74	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
21-22	0.75	0.74	0.73	0.75	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
22-23	0.76	0.75	0.75	0.75	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
23-24	0.76	0.75	0.76	0.76	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
TOTAL	16.18	16.48	16.00	16.70	0.02	-0.30	-0.28						



MAY 16		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.02	0.01	0.0	0.0	0.01	0.0	0.0	0.0	0.01	0.01	0.01	0.0	
13-14	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.03	0.01	0.0	0.01	0.01	0.0	0.0	0.0	0.02	0.01	0.03	0.00	

MAY 16		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL					
0-1	0.76	0.74	0.75	0.76	0.0	0.02	0.02	0.0	0.0	0.0	0.0	
1-2	0.77	0.75	0.76	0.76	0.0	0.02	0.02	0.0	0.0	0.0	0.0	
2-3	0.77	0.75	0.76	0.76	0.0	0.02	0.02	0.0	0.0	0.0	0.0	
3-4	0.78	0.76	0.76	0.77	0.0	0.02	0.02	0.0	0.0	0.0	0.0	
4-5	0.76	0.76	0.74	0.78	0.0	0.00	0.00	0.0	0.0	0.0	0.0	
5-6	0.71	0.75	0.69	0.77	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
6-7	0.71	0.75	0.70	0.77	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
7-8	0.74	0.75	0.72	0.77	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	
8-9	0.75	0.75	0.74	0.77	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	
9-10	0.75	0.76	0.74	0.78	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	
10-11	0.72	0.75	0.70	0.77	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
11-12	0.75	0.75	0.74	0.77	0.01	-0.01	-0.00	0.0	0.0	0.0	0.0	
12-13	0.64	0.75	0.63	0.77	0.01	-0.11	-0.10	0.0	0.0	0.0	0.0	
13-14	0.58	0.73	0.57	0.76	0.01	-0.15	-0.15	0.0	0.0	0.0	0.0	
14-15	0.62	0.72	0.62	0.74	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
15-16	0.69	0.73	0.69	0.75	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
16-17	0.61	0.72	0.60	0.74	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
17-18	0.52	0.69	0.52	0.73	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
18-19	0.47	0.68	0.47	0.71	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	
19-20	0.55	0.68	0.56	0.71	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
20-21	0.67	0.71	0.66	0.73	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
21-22	0.65	0.71	0.64	0.74	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	
22-23	0.52	0.69	0.52	0.72	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
23-24	0.54	0.70	0.54	0.71	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
TOTAL	16.01	17.54	15.82	18.02	0.02	-1.53	-1.51	0.0	0.0	0.0	0.0	

SHORTWAVE RADIATION (MJ/M**2)												
MAY 17												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0
4-5	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.01	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.01	0.02	0.00	0.0
12-13	0.01	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.01	0.01	0.01	0.00
13-14	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.00	0.03	0.01	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.00	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.02	0.0	0.0	0.04	0.0	0.0	0.0	0.0	0.02	0.07	0.03	0.00

LONGWAVE RADIATION (MJ/M**2)												
MAY 17												
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.47	0.68	0.45	0.70	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0	
1-2	0.48	0.68	0.46	0.70	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
2-3	0.54	0.69	0.51	0.70	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
3-4	0.51	0.68	0.47	0.69	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
4-5	0.51	0.68	0.46	0.70	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
5-6	0.52	0.67	0.47	0.69	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
6-7	0.55	0.67	0.50	0.70	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
7-8	0.58	0.68	0.53	0.70	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
8-9	0.59	0.68	0.55	0.71	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
9-10	0.62	0.69	0.59	0.71	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	
10-11	0.67	0.71	0.65	0.72	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	
11-12	0.68	0.71	0.66	0.73	0.01	-0.04	-0.03	0.0	0.0	0.0	0.0	
12-13	0.67	0.72	0.65	0.74	0.01	-0.05	-0.04	0.0	0.0	0.0	0.0	
13-14	0.71	0.73	0.69	0.74	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	
14-15	0.67	0.73	0.64	0.75	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	
15-16	0.64	0.73	0.62	0.74	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
16-17	0.66	0.73	0.64	0.75	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	
17-18	0.68	0.74	0.64	0.75	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	
18-19	0.59	0.72	0.57	0.74	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
19-20	0.55	0.71	0.53	0.74	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
20-21	0.58	0.72	0.56	0.74	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
21-22	0.59	0.72	0.57	0.74	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
22-23	0.56	0.71	0.54	0.74	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
23-24	0.51	0.70	0.48	0.72	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	
TOTAL	14.11	16.88	13.43	17.36	0.02	-2.77	-2.75	0.0	0.0	0.0	0.0	

MAY 18		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	
10-11	0.01	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.03	0.01	0.00	
11-12	0.02	0.0	0.0	0.01	0.00	0.0	0.0	0.0	0.01	0.01	0.02	0.00	
12-13	0.02	0.01	0.01	0.01	0.02	0.00	0.0	0.0	0.02	0.01	0.03	0.01	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.01	0.01	0.00	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
16-17	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.00	0.0	
18-19	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.03	0.00	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.00	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.00	0.0	
TOTAL	0.05	0.02	0.01	0.07	0.02	0.00	0.0	0.0	0.05	0.14	0.11	0.01	

MAY 18		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE						
0-1	0.55	0.70	0.52	0.72	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
1-2	0.54	0.70	0.50	0.72	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0
2-3	0.54	0.69	0.48	0.70	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
3-4	0.57	0.69	0.52	0.70	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0
4-5	0.56	0.69	0.52	0.70	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0
5-6	0.56	0.69	0.52	0.70	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0
6-7	0.53	0.68	0.50	0.70	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
7-8	0.51	0.67	0.49	0.69	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0
8-9	0.49	0.66	0.46	0.67	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0
9-10	0.49	0.65	0.45	0.67	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0
10-11	0.48	0.64	0.44	0.66	0.01	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0
11-12	0.47	0.64	0.43	0.66	0.02	-0.17	-0.15	0.0	0.0	0.0	0.0	0.0
12-13	0.46	0.64	0.43	0.66	0.01	-0.18	-0.17	0.0	0.0	0.0	0.0	0.0
13-14	0.48	0.64	0.44	0.65	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0
14-15	0.50	0.64	0.45	0.65	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
15-16	0.50	0.64	0.46	0.65	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
16-17	0.49	0.64	0.47	0.65	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
17-18	0.49	0.63	0.47	0.65	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
18-19	0.47	0.63	0.44	0.65	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0
19-20	0.46	0.62	0.43	0.64	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0
20-21	0.47	0.62	0.43	0.64	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
21-22	0.47	0.62	0.43	0.64	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
22-23	0.47	0.62	0.43	0.63	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
23-24	0.47	0.61	0.43	0.63	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
TOTAL	12.02	15.65	11.12	16.03	0.03	-3.63	-3.60		0.0	0.0	0.0	0.0

SHORTWAVE RADIATION (MJ/M**2)												
MAY 19	GLOBAL(SURFACE)				REFLECTED(SURFACE)				GLOBAL(30M)		REFLECTED(30M)	
HRUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
1- 2	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.0
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
5- 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.0
6- 7	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
7- 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
8- 9	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.01	0.00	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.00	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.01	0.00	0.0
11-12	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.01	0.06	0.01	0.00
12-13	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.01	0.07	0.01	0.00
13-14	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.00	0.00	0.01	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
19-20	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.00	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.02	0.19	0.08	0.01

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
MAY 19	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
HRUR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0- 1	0.47	0.61	0.42	0.63	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
1- 2	0.45	0.61	0.41	0.63	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
2- 3	0.44	0.61	0.41	0.63	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
3- 4	0.44	0.61	0.41	0.62	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
4- 5	0.44	0.60	0.41	0.62	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
5- 6	0.44	0.60	0.41	0.62	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
6- 7	0.45	0.60	0.41	0.62	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
7- 8	0.45	0.60	0.42	0.62	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
8- 9	0.46	0.60	0.42	0.61	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
9-10	0.47	0.59	0.43	0.61	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
10-11	0.47	0.59	0.43	0.61	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
11-12	0.48	0.60	0.45	0.61	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
12-13	0.51	0.61	0.49	0.62	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
13-14	0.48	0.60	0.45	0.62	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
14-15	0.46	0.60	0.42	0.62	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
15-16	0.46	0.60	0.43	0.61	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
16-17	0.48	0.60	0.43	0.62	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
17-18	0.51	0.61	0.46	0.63	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
18-19	0.49	0.60	0.43	0.63	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
19-20	0.47	0.60	0.42	0.62	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
20-21	0.49	0.61	0.45	0.63	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
21-22	0.49	0.61	0.45	0.63	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
22-23	0.47	0.61	0.43	0.62	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
23-24	0.45	0.60	0.43	0.62	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
TOTAL	11.23	14.48	10.34	14.93	0.0	-3.25	-3.25					

MAY 20		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.00	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.00	0.00	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.02	0.00	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.00	0.0	
11-12	0.13	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.02	0.07	0.02	0.00	
12-13	0.02	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.02	0.07	0.02	0.0	
13-14	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.01	0.00	0.0	
14-15	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.00	0.00	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	
TOTAL	0.16	0.0	0.0	0.09	0.0	0.0	0.0	0.0	0.04	0.32	0.05	0.00	

MAY 20		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE						
0-1	0.45	0.60	0.42	0.62	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
1-2	0.44	0.60	0.42	0.62	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0
2-3	0.43	0.60	0.41	0.61	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0
3-4	0.42	0.59	0.41	0.61	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0
4-5	0.43	0.59	0.41	0.61	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0
5-6	0.42	0.59	0.41	0.61	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0
6-7	0.41	0.58	0.41	0.61	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
7-8	0.41	0.58	0.40	0.60	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0
8-9	0.41	0.57	0.39	0.60	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0
9-10	0.42	0.57	0.40	0.59	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
10-11	0.41	0.57	0.39	0.59	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0
11-12	0.40	0.56	0.39	0.59	0.13	-0.16	-0.03	0.0	0.0	0.0	0.0	0.0
12-13	0.41	0.56	0.39	0.58	0.02	-0.15	-0.13	0.0	0.0	0.0	0.0	0.0
13-14	0.38	0.56	0.38	0.58	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0
14-15	0.38	0.56	0.38	0.58	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
15-16	0.38	0.55	0.38	0.57	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
16-17	0.37	0.55	0.37	0.57	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
17-18	0.37	0.55	0.37	0.57	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
18-19	0.37	0.55	0.36	0.57	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
19-20	0.35	0.55	0.35	0.57	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
20-21	0.35	0.55	0.35	0.57	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
21-22	0.34	0.55	0.34	0.57	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
22-23	0.34	0.54	0.34	0.56	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
23-24	0.34	0.54	0.34	0.56	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
TOTAL	9.44	13.60	9.20	14.10	0.16	-4.16	-4.00					

MAY 21		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
2-3	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.01	0.00	0.0	
12-13	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.02	0.01	0.0	
13-14	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.00	0.01	0.01	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.00	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.0	0.00	0.06	0.03	0.0	

MAY 21		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	TOTAL					
0-1	0.34	0.54	0.34	0.56	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
1-2	0.34	0.54	0.34	0.56	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
2-3	0.34	0.54	0.34	0.56	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
3-4	0.34	0.54	0.34	0.56	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
4-5	0.36	0.54	0.34	0.56	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	
5-6	0.36	0.54	0.34	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
6-7	0.37	0.54	0.35	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
7-8	0.37	0.54	0.35	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
8-9	0.36	0.54	0.36	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
9-10	0.37	0.54	0.36	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
10-11	0.37	0.54	0.37	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
11-12	0.37	0.54	0.37	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
12-13	0.38	0.54	0.37	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
13-14	0.36	0.54	0.36	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
14-15	0.35	0.53	0.35	0.55	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
15-16	0.33	0.53	0.34	0.55	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
16-17	0.35	0.53	0.34	0.54	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
17-18	0.35	0.53	0.35	0.55	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
18-19	0.35	0.52	0.35	0.53	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
19-20	0.35	0.52	0.35	0.55	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
20-21	0.35	0.53	0.34	0.55	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
21-22	0.34	0.53	0.34	0.54	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	
22-23	0.33	0.53	0.34	0.54	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
23-24	0.33	0.53	0.34	0.54	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
TOTAL	8.42	12.85	8.38	13.28	0.0	-4.43	-4.43	0.0	0.0	0.0	0.0	

SHORTWAVE RADIATION (MJ/M**2)													
MAY 22													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.00	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.01	0.0	
12-13	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.01	0.01	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	
19-20	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0	0.0	0.13	0.02	0.0	

LONGWAVE RADIATION (MJ/M**2)													
MAY 22													
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.33	0.53	0.34	0.54	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
1-2	0.33	0.53	0.34	0.54	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
2-3	0.33	0.53	0.34	0.55	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
3-4	0.33	0.53	0.35	0.55	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
4-5	0.33	0.53	0.35	0.55	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
5-6	0.34	0.53	0.35	0.55	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
6-7	0.36	0.54	0.36	0.55	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
7-8	0.36	0.54	0.37	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
8-9	0.37	0.54	0.38	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
9-10	0.37	0.55	0.39	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
10-11	0.38	0.55	0.39	0.57	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
11-12	0.38	0.55	0.37	0.57	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
12-13	0.38	0.55	0.39	0.57	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
13-14	0.38	0.55	0.40	0.57	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
14-15	0.38	0.56	0.40	0.57	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
15-16	0.40	0.56	0.41	0.58	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
16-17	0.42	0.57	0.43	0.58	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
17-18	0.47	0.57	0.48	0.59	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
18-19	0.49	0.58	0.49	0.60	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0		
19-20	0.53	0.59	0.54	0.61	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
20-21	0.58	0.60	0.58	0.62	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
21-22	0.63	0.61	0.64	0.64	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
22-23	0.61	0.61	0.62	0.64	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
23-24	0.61	0.62	0.62	0.65	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
TOTAL	10.08	13.45	10.31	13.89	0.0	-3.36	-3.36	0.0	0.0	0.0	0.0		

SHORTWAVE RADIATION (MJ/M**2)													
MAY 23													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0	
2-3	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.0	
3-4	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
11-12	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
12-13	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
TOTAL	0.0	0.0	0.0	0.02	0.0	0.0	0.0	0.0	0.0	0.03	0.01	0.00	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
MAY 23													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.65	0.63	0.67	0.66	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
1-2	0.66	0.64	0.68	0.66	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
2-3	0.66	0.64	0.67	0.67	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
3-4	0.66	0.64	0.68	0.67	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
4-5	0.68	0.65	0.70	0.68	0.0	0.03	0.03	0.0	0.0	0.0	0.0		
5-6	0.67	0.65	0.67	0.67	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
6-7	0.65	0.64	0.65	0.67	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
7-8	0.63	0.64	0.63	0.67	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
8-9	0.61	0.63	0.61	0.67	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
9-10	0.53	0.63	0.54	0.66	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0		
10-11	0.60	0.63	0.61	0.66	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
11-12	0.58	0.65	0.60	0.66	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
12-13	0.55	0.64	0.57	0.65	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
13-14	0.47	0.63	0.52	0.65	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
14-15	0.43	0.60	0.51	0.64	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
15-16	0.45	0.58	0.55	0.64	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
16-17	0.52	0.58	0.60	0.64	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
17-18	0.46	0.58	0.56	0.63	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
18-19	0.43	0.57	0.57	0.63	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
19-20	0.44	0.57	0.58	0.63	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
20-21	0.50	0.57	0.60	0.62	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0		
21-22	0.57	0.59	0.62	0.63	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
22-23	0.43	0.56	0.52	0.59	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
23-24	0.42	0.55	0.50	0.57	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
TOTAL	13.24	14.67	14.41	15.55	0.0	-1.43	-1.43						



SHORTWAVE RADIATION (MJ/M**2)														
MAY 24														
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)				REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)		
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

LONGWAVE RADIATION (MJ/M**2)														NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
MAY 24																				
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)								
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE														
0-1	0.42	0.55	0.49	0.57	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0									
1-2	0.39	0.54	0.48	0.57	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0									
2-3	0.38	0.53	0.47	0.56	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0									
3-4	0.37	0.53	0.47	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0									
4-5	0.37	0.53	0.46	0.54	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0									
5-6	0.37	0.53	0.46	0.54	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0									
6-7	0.36	0.52	0.45	0.54	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0									
7-8	0.36	0.52	0.44	0.53	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0									
8-9	0.35	0.51	0.42	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0									
9-10	0.35	0.50	0.40	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0									
10-11	0.32	0.50	0.40	0.51	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0									
11-12	0.33	0.49	0.40	0.50	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0									
12-13	0.33	0.49	0.40	0.50	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0									
13-14	0.33	0.49	0.40	0.50	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0									
14-15	0.33	0.48	0.40	0.49	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0									
15-16	0.34	0.49	0.40	0.49	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0									
16-17	0.35	0.49	0.40	0.50	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0									
17-18	0.34	0.48	0.40	0.49	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0									
18-19	0.34	0.48	0.40	0.49	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0									
19-20	0.34	0.48	0.40	0.49	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0									
20-21	0.35	0.50	0.40	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0									
21-22	0.35	0.49	0.40	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0									
22-23	0.35	0.50	0.41	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0									
23-24	0.35	0.50	0.42	0.50	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0									
TOTAL	8.47	12.11	10.14	12.39	0.0	-3.63	-3.63	0.0	0.0	0.0	0.0									

SHORTWAVE RADIATION (MJ/M**2)													
MAY 25													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
MAY 25													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.37	0.50	0.43	0.50	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
1-2	0.35	0.47	0.41	0.50	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
2-3	0.35	0.48	0.41	0.50	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
3-4	0.36	0.48	0.42	0.50	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	
4-5	0.39	0.51	0.45	0.53	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	
5-6	0.39	0.51	0.45	0.53	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	
6-7	0.39	0.52	0.46	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
7-8	0.39	0.50	0.46	0.53	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	
8-9	0.40	0.50	0.46	0.53	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
9-10	0.40	0.50	0.46	0.54	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
10-11	0.41	0.52	0.49	0.58	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	
11-12	0.41	0.51	0.46	0.57	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
12-13	0.41	0.52	0.44	0.59	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
13-14	0.42	0.52	0.43	0.58	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
14-15	0.42	0.52	0.44	0.59	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
15-16	0.42	0.53	0.44	0.59	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	
16-17	0.43	0.53	0.44	0.60	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
17-18	0.43	0.53	0.45	0.59	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
18-19	0.45	0.53	0.47	0.59	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	
19-20	0.43	0.52	0.45	0.59	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	
20-21	0.42	0.52	0.43	0.60	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	
21-22	0.41	0.52	0.43	0.59	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	
22-23	0.43	0.52	0.45	0.59	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	
23-24	0.47	0.52	0.47	0.59	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	
TOTAL	9.75	12.30	10.68	13.44	0.0	-2.56	-2.56	0.0	0.0	0.0	0.0	0.0	

SHORTWAVE RADIATION (MJ/M**2)													
MAY 26													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5- 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6- 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7- 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8- 9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

LONGWAVE RADIATION (MJ/M**2)      NET RADIATION (MJ/M**2)      DIRECT RADIATION (KW/M**2)													
MAY 26													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.49	0.53	0.51	0.61	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
1- 2	0.52	0.54	0.54	0.61	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
2- 3	0.56	0.57	0.58	0.62	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
3- 4	0.57	0.58	0.58	0.63	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
4- 5	0.61	0.58	0.63	0.64	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
5- 6	0.57	0.58	0.60	0.64	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
6- 7	0.56	0.58	0.58	0.64	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
7- 8	0.54	0.57	0.56	0.62	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
8- 9	0.57	0.58	0.59	0.62	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
9-10	0.60	0.59	0.62	0.63	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
10-11	0.65	0.62	0.68	0.65	0.0	0.03	0.03	0.0	0.0	0.0	0.0		
11-12	0.65	0.62	0.68	0.65	0.0	0.03	0.03	0.0	0.0	0.0	0.0		
12-13	0.62	0.62	0.65	0.65	0.0	0.00	0.00	0.0	0.0	0.0	0.0		
13-14	0.60	0.62	0.61	0.65	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
14-15	0.54	0.60	0.56	0.63	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
15-16	0.42	0.58	0.44	0.62	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
16-17	0.38	0.56	0.40	0.60	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
17-18	0.38	0.55	0.38	0.58	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
18-19	0.37	0.55	0.39	0.60	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
19-20	0.37	0.54	0.40	0.60	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
20-21	0.38	0.54	0.40	0.59	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
21-22	0.38	0.53	0.39	0.58	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
22-23	0.38	0.53	0.40	0.59	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
23-24	0.38	0.53	0.39	0.58	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
TOTAL	12.08	13.70	12.54	14.83	0.0	-1.62	-1.62						

MAY 27		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

MAY 27		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	TOTAL					
0-1	0.38	0.53	0.39	0.58	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
1-2	0.37	0.52	0.39	0.58	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
2-3	0.37	0.52	0.39	0.58	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
3-4	0.37	0.52	0.38	0.57	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
4-5	0.37	0.52	0.39	0.57	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
5-6	0.37	0.52	0.40	0.56	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
6-7	0.39	0.52	0.40	0.56	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
7-8	0.39	0.51	0.41	0.56	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
8-9	0.41	0.52	0.42	0.55	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
9-10	0.40	0.52	0.43	0.56	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
10-11	0.43	0.52	0.46	0.58	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
11-12	0.48	0.53	0.51	0.58	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
12-13	0.48	0.53	0.54	0.58	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
13-14	0.49	0.53	0.56	0.60	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
14-15	0.51	0.55	0.58	0.59	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
15-16	0.48	0.54	0.55	0.57	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
16-17	0.45	0.52	0.55	0.58	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	
17-18	0.45	0.52	0.53	0.57	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
18-19	0.42	0.52	0.53	0.57	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
19-20	0.44	0.52	0.53	0.57	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
20-21	0.47	0.52	0.51	0.56	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
21-22	0.45	0.53	0.48	0.57	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	
22-23	0.43	0.53	0.45	0.57	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
23-24	0.43	0.53	0.46	0.57	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
TOTAL	10.23	12.57	11.25	13.72	0.0	-2.34	-2.34	0.0	0.0	0.0	0.0	

MAY 28		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5- 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6- 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7- 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8- 9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

MAY 28		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	TOTAL					
0- 1	0.43	0.53	0.46	0.57	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
1- 2	0.46	0.53	0.47	0.57	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	
2- 3	0.45	0.53	0.47	0.59	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
3- 4	0.43	0.53	0.45	0.58	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
4- 5	0.40	0.53	0.44	0.58	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
5- 6	0.41	0.53	0.47	0.59	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
6- 7	0.42	0.53	0.51	0.60	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
7- 8	0.43	0.53	0.53	0.60	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
8- 9	0.41	0.53	0.53	0.60	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
9-10	0.40	0.53	0.53	0.60	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
10-11	0.40	0.53	0.54	0.60	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
11-12	0.41	0.52	0.55	0.61	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
12-13	0.45	0.53	0.56	0.62	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
13-14	0.45	0.52	0.52	0.61	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	
14-15	0.44	0.53	0.55	0.62	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
15-16	0.41	0.53	0.56	0.63	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
16-17	0.42	0.52	0.58	0.63	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
17-18	0.40	0.52	0.58	0.62	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
18-19	0.39	0.52	0.60	0.63	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
19-20	0.42	0.52	0.61	0.63	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
20-21	0.42	0.52	0.61	0.64	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
21-22	0.42	0.52	0.64	0.64	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
22-23	0.42	0.52	0.65	0.65	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
23-24	0.42	0.52	0.65	0.65	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
TOTAL	10.11	12.60	13.08	14.66	0.0	-2.48	-2.48	0.0	0.0	0.0	0.0	

SHORTWAVE RADIATION (MJ/M**2)													
MAY 29													
HOUR	GLOBAL(SURFACE)				REFLECTED(SURFACE)				GLOBAL(30M)		REFLECTED(30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
MAY 29													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.43	0.52	0.65	0.65	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
1-2	0.46	0.53	0.67	0.66	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0		
2-3	0.48	0.54	0.67	0.67	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
3-4	0.48	0.54	0.65	0.65	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
4-5	0.49	0.54	0.64	0.65	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
5-6	0.47	0.55	0.63	0.65	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0		
6-7	0.47	0.55	0.61	0.63	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
7-8	0.47	0.55	0.62	0.64	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
8-9	0.50	0.55	0.62	0.63	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
9-10	0.51	0.56	0.62	0.63	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
10-11	0.55	0.57	0.63	0.64	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
11-12	0.56	0.59	0.63	0.65	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
12-13	0.57	0.60	0.64	0.65	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
13-14	0.56	0.60	0.63	0.66	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
14-15	0.55	0.61	0.61	0.66	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
15-16	0.58	0.62	0.60	0.67	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
16-17	0.55	0.62	0.55	0.67	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0		
17-18	0.52	0.63	0.52	0.67	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
18-19	0.48	0.62	0.48	0.66	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
19-20	0.52	0.61	0.52	0.65	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
20-21	0.53	0.62	0.53	0.65	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
21-22	0.54	0.62	0.52	0.65	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
22-23	0.52	0.62	0.51	0.66	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
23-24	0.56	0.62	0.56	0.66	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
TOTAL	12.35	13.99	14.31	15.64	0.0	-1.64	-1.64						

MAY 30		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

MAY 30		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE						
0-1	0.58	0.63	0.57	0.65	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
1-2	0.57	0.63	0.56	0.65	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	
2-3	0.54	0.63	0.53	0.66	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
3-4	0.51	0.62	0.50	0.65	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
4-5	0.46	0.61	0.45	0.64	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
5-6	0.44	0.60	0.41	0.64	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
6-7	0.46	0.61	0.44	0.64	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
7-8	0.47	0.61	0.46	0.64	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
8-9	0.48	0.60	0.48	0.63	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
9-10	0.52	0.61	0.51	0.63	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
10-11	0.54	0.62	0.54	0.64	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	
11-12	0.55	0.63	0.55	0.63	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	
12-13	0.56	0.62	0.56	0.64	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	
13-14	0.57	0.62	0.57	0.65	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	
14-15	0.53	0.62	0.53	0.65	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
15-16	0.53	0.62	0.53	0.66	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
16-17	0.52	0.62	0.52	0.66	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
17-18	0.53	0.62	0.53	0.65	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
18-19	0.57	0.62	0.57	0.66	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	
19-20	0.58	0.63	0.58	0.65	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
20-21	0.59	0.63	0.59	0.66	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
21-22	0.58	0.63	0.58	0.66	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
22-23	0.59	0.63	0.59	0.66	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
23-24	0.61	0.64	0.61	0.66	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	
TOTAL	12.86	14.90	12.77	15.57	0.0	-2.04	-2.04	0.0	0.0	0.0	0.0	

SHORTWAVE RADIATION (MJ/M**2)													
MAY 31													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
MAY 31													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(530)	(630)	(695)			
0-1	0.56	0.63	0.56	0.66	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.49	0.62	0.50	0.65	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.46	0.61	0.47	0.62	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.49	0.61	0.49	0.64	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.45	0.60	0.46	0.62	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.40	0.59	0.41	0.61	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.40	0.58	0.40	0.60	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.40	0.59	0.41	0.60	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.40	0.57	0.43	0.60	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.41	0.57	0.43	0.60	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.41	0.56	0.42	0.60	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.42	0.56	0.43	0.59	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.41	0.56	0.42	0.59	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.40	0.55	0.42	0.59	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.40	0.55	0.42	0.60	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.40	0.55	0.41	0.59	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.39	0.54	0.42	0.59	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.39	0.54	0.42	0.60	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.39	0.59	0.41	0.59	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.39	0.54	0.41	0.60	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.39	0.54	0.42	0.60	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.38	0.53	0.40	0.58	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.38	0.53	0.40	0.58	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.38	0.52	0.41	0.58	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	10.00	13.63	10.35	14.48	0.0	-3.63	-3.63						



SHORTWAVE RADIATION (MJ/M**2)													
JUNE 1													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

LONGWAVE RADIATION (MJ/M**2)													
JUNE 1													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.37	0.52	0.41	0.59	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
1-2	0.37	0.52	0.39	0.56	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
2-3	0.37	0.52	0.39	0.56	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
3-4	0.43	0.51	0.40	0.56	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
4-5	0.37	0.52	0.40	0.58	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
5-6	0.37	0.52	0.39	0.57	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
6-7	0.36	0.51	0.39	0.56	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
7-8	0.36	0.51	0.38	0.56	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
8-9	0.36	0.51	0.40	0.58	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
9-10	0.36	0.51	0.39	0.56	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
10-11	0.36	0.51	0.39	0.57	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
11-12	0.36	0.51	0.39	0.57	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
12-13	0.37	0.52	0.40	0.58	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
13-14	0.42	0.52	0.43	0.58	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
14-15	0.51	0.54	0.53	0.59	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
15-16	0.53	0.55	0.55	0.60	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
16-17	0.46	0.54	0.47	0.60	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0		
17-18	0.44	0.54	0.46	0.60	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
18-19	0.46	0.55	0.50	0.60	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0		
19-20	0.50	0.55	0.52	0.60	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
20-21	0.54	0.56	0.55	0.61	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
21-22	0.52	0.57	0.53	0.61	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
22-23	0.59	0.58	0.60	0.62	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
23-24	0.59	0.59	0.60	0.63	0.0	0.00	0.00	0.0	0.0	0.0	0.0		
TOTAL	10.39	12.81	10.85	14.03	0.0	-2.43	-2.43	0.0	0.0	0.0	0.0		

SHORTWAVE RADIATION (MJ/M**2)													
JUNE 2													
HOUR	GLOBAL(SURFACE)				REFLECTED(SURFACE)				GLOBAL(30M)		REFLECTED(30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (Kw/M**2)													
JUNE 2													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.54	0.59	0.54	0.62	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
1-2	0.49	0.59	0.50	0.62	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
2-3	0.50	0.59	0.51	0.62	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0		
3-4	0.51	0.59	0.52	0.62	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
4-5	0.56	0.60	0.56	0.62	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
5-6	0.56	0.60	0.57	0.62	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
6-7	0.58	0.61	0.58	0.63	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
7-8	0.54	0.61	0.55	0.63	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0		
8-9	0.51	0.60	0.51	0.62	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0		
9-10	0.48	0.59	0.48	0.62	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
10-11	0.44	0.58	0.44	0.61	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
11-12	0.42	0.57	0.42	0.60	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
12-13	0.42	0.57	0.42	0.60	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
13-14	0.49	0.57	0.50	0.61	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
14-15	0.47	0.57	0.47	0.60	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
15-16	0.40	0.56	0.41	0.60	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
16-17	0.38	0.55	0.42	0.59	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
17-18	0.39	0.55	0.43	0.58	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
18-19	0.39	0.54	0.44	0.58	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
19-20	0.39	0.54	0.46	0.59	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
20-21	0.39	0.53	0.47	0.58	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
21-22	0.40	0.53	0.47	0.58	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
22-23	0.40	0.53	0.49	0.58	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
23-24	0.40	0.53	0.50	0.58	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
TOTAL	11.02	13.67	11.67	14.51	0.0	-2.66	-2.66	0.0	0.0	0.0	0.0		

SHORTWAVE RADIATION (MJ/M**2)													
JUNE 3	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
HOURL	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

LONGWAVE RADIATION (MJ/M**2)															
JUNE 3	(SURFACE)				(30M)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOURL	DOWNWARD	UPWARD	DOWNWARD	UPWARD	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)
0-1	0.40	0.52	0.49	0.57	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.39	0.52	0.49	0.56	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.39	0.52	0.47	0.55	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.41	0.52	0.50	0.56	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.41	0.52	0.49	0.56	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.41	0.51	0.48	0.55	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.41	0.51	0.48	0.55	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.41	0.52	0.49	0.55	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.41	0.51	0.49	0.55	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.43	0.51	0.48	0.56	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.44	0.52	0.48	0.56	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.44	0.52	0.48	0.56	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.45	0.54	0.48	0.56	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.45	0.53	0.49	0.57	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.46	0.54	0.50	0.58	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.47	0.54	0.52	0.59	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.48	0.56	0.54	0.60	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.51	0.57	0.56	0.61	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.53	0.57	0.58	0.62	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.56	0.59	0.60	0.64	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.63	0.61	0.64	0.67	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.64	0.63	0.65	0.68	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.63	0.63	0.64	0.68	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.62	0.63	0.64	0.68	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	11.40	13.15	12.67	14.16	0.0	-1.75	-1.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SHORTWAVE RADIATION (MJ/M**2)													
JUNE 4													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
JUNE 4													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.63	0.64	0.65	0.69	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
1-2	0.63	0.64	0.64	0.69	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
2-3	0.61	0.64	0.63	0.69	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
3-4	0.64	0.64	0.65	0.69	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0		
4-5	0.64	0.65	0.65	0.69	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0		
5-6	0.63	0.65	0.63	0.70	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
6-7	0.63	0.65	0.64	0.69	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
7-8	0.64	0.65	0.65	0.69	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
8-9	0.65	0.65	0.65	0.70	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0		
9-10	0.65	0.65	0.65	0.69	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0		
10-11	0.61	0.65	0.60	0.69	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
11-12	0.63	0.66	0.62	0.69	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
12-13	0.63	0.66	0.63	0.69	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
13-14	0.67	0.67	0.67	0.69	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0		
14-15	0.66	0.67	0.66	0.68	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
15-16	0.63	0.66	0.64	0.67	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
16-17	0.66	0.67	0.67	0.68	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0		
17-18	0.61	0.65	0.62	0.67	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
18-19	0.55	0.63	0.56	0.66	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
19-20	0.56	0.63	0.57	0.66	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0		
20-21	0.57	0.63	0.58	0.65	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
21-22	0.58	0.63	0.58	0.65	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
22-23	0.55	0.62	0.56	0.64	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0		
23-24	0.56	0.62	0.56	0.64	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
TOTAL	14.84	15.51	14.98	16.29	0.0	-0.67	-0.67	0.0	0.0	0.0	0.0		

SHORTWAVE RADIATION (MJ/M**2)													
JUNE 5													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
JUNE 5													
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.55	0.61	0.55	0.64	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
1-2	0.58	0.63	0.59	0.64	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
2-3	0.60	0.63	0.60	0.64	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
3-4	0.61	0.63	0.61	0.63	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
4-5	0.60	0.62	0.60	0.63	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
5-6	0.59	0.62	0.60	0.62	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
6-7	0.52	0.60	0.52	0.62	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
7-8	0.51	0.60	0.51	0.61	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0		
8-9	0.47	0.58	0.47	0.61	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
9-10	0.41	0.57	0.41	0.61	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
10-11	0.39	0.57	0.38	0.59	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
11-12	0.41	0.56	0.41	0.58	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
12-13	0.42	0.57	0.42	0.59	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
13-14	0.38	0.56	0.38	0.57	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
14-15	0.41	0.55	0.42	0.58	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
15-16	0.48	0.51	0.48	0.59	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
16-17	0.60	0.59	0.60	0.61	0.0	0.00	0.00	0.0	0.0	0.0	0.0		
17-18	0.46	0.58	0.47	0.60	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
18-19	0.37	0.56	0.38	0.58	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
19-20	0.37	0.55	0.38	0.58	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
20-21	0.37	0.55	0.38	0.57	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
21-22	0.35	0.55	0.37	0.57	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
22-23	0.45	0.55	0.46	0.58	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
23-24	0.53	0.57	0.53	0.59	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
TOTAL	11.43	13.91	11.54	14.41	0.0	-2.48	-2.48						

SHORTWAVE RADIATION (MJ/M**2)													
JUNE 6													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
JUNE 6													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.46	0.56	0.46	0.59	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
1-2	0.49	0.57	0.50	0.59	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0		
2-3	0.38	0.55	0.39	0.58	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
3-4	0.43	0.55	0.44	0.59	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
4-5	0.39	0.55	0.41	0.59	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
5-6	0.37	0.54	0.42	0.58	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
6-7	0.34	0.53	0.43	0.57	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
7-8	0.35	0.53	0.42	0.57	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
8-9	0.35	0.52	0.40	0.57	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
9-10	0.36	0.52	0.37	0.57	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
10-11	0.37	0.52	0.39	0.56	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
11-12	0.38	0.53	0.40	0.57	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
12-13	0.40	0.53	0.40	0.57	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
13-14	0.38	0.53	0.39	0.56	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
14-15	0.39	0.53	0.40	0.56	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
15-16	0.40	0.55	0.40	0.57	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
16-17	0.40	0.55	0.40	0.58	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
17-18	0.40	0.55	0.41	0.57	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
18-19	0.40	0.55	0.42	0.58	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
19-20	0.42	0.56	0.43	0.58	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
20-21	0.44	0.57	0.43	0.57	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
21-22	0.45	0.57	0.47	0.59	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
22-23	0.46	0.58	0.47	0.60	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
23-24	0.44	0.59	0.46	0.60	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
TOTAL	9.67	13.12	10.13	13.88	0.0	-3.45	-3.45	0.0	0.0	0.0	0.0		

SHORTWAVE RADIATION (MJ/M**2)													
JUNE 7													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
JUNE 7													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.49	0.60	0.50	0.62	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
1-2	0.57	0.62	0.56	0.63	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
2-3	0.58	0.63	0.59	0.64	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
3-4	0.59	0.63	0.60	0.64	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
4-5	0.61	0.64	0.62	0.65	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
5-6	0.67	0.65	0.67	0.65	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
6-7	0.65	0.66	0.70	0.66	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0		
7-8	0.70	0.66	0.67	0.67	0.0	0.04	0.04	0.0	0.0	0.0	0.0		
8-9	0.70	0.67	0.72	0.67	0.0	0.03	0.03	0.0	0.0	0.0	0.0		
9-10	0.72	0.68	0.73	0.68	0.0	0.05	0.05	0.0	0.0	0.0	0.0		
10-11	0.69	0.68	0.70	0.69	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
11-12	0.68	0.69	0.68	0.69	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
12-13	0.64	0.69	0.64	0.70	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
13-14	0.60	0.69	0.60	0.70	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
14-15	0.67	0.70	0.67	0.71	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
15-16	0.74	0.72	0.74	0.72	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
16-17	0.76	0.73	0.76	0.74	0.0	0.03	0.03	0.0	0.0	0.0	0.0		
17-18	0.77	0.75	0.77	0.75	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
18-19	0.77	0.76	0.77	0.76	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
19-20	0.74	0.76	0.74	0.76	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
20-21	0.70	0.76	0.70	0.76	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
21-22	0.66	0.75	0.66	0.76	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0		
22-23	0.65	0.76	0.65	0.76	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
23-24	0.54	0.76	0.54	0.76	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0		
TOTAL	15.89	16.64	15.95	16.76	0.0	-0.76	-0.76						

SHORTWAVE RADIATION (MJ/M**2)													
JUNE 8													
HOUR	GLOBAL(SURFACE)				REFLECTED(SURFACE)				GLOBAL(30M)		REFLECTED(30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6- 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7- 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8- 9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LONGWAVE RADIATION (MJ/M**2)													
JUNE 8													
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.56	0.74	0.56	0.75	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0	
1- 2	0.66	0.75	0.66	0.75	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	
2- 3	0.71	0.75	0.71	0.75	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	
3- 4	0.59	0.75	0.59	0.75	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	
4- 5	0.54	0.73	0.54	0.74	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0	
5- 6	0.54	0.73	0.54	0.74	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0	
6- 7	0.61	0.73	0.61	0.74	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	
7- 8	0.71	0.74	0.71	0.75	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	
8- 9	0.71	0.75	0.71	0.75	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	
9-10	0.67	0.75	0.67	0.75	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	
10-11	0.71	0.75	0.71	0.75	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	
11-12	0.72	0.75	0.72	0.75	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	
12-13	0.67	0.75	0.67	0.75	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	
13-14	0.63	0.74	0.63	0.74	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	
14-15	0.66	0.73	0.66	0.74	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	
15-16	0.61	0.73	0.61	0.73	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	
16-17	0.61	0.72	0.61	0.73	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	
17-18	0.63	0.72	0.63	0.73	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	
18-19	0.63	0.72	0.63	0.72	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	
19-20	0.61	0.71	0.61	0.72	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
20-21	0.62	0.72	0.62	0.72	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
21-22	0.63	0.72	0.63	0.73	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	
22-23	0.68	0.73	0.68	0.74	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	
23-24	0.71	0.73	0.71	0.73	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	
TOTAL	15.42	17.64	15.42	17.75	0.0	-2.21	-2.21						



JUNE 9		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

JUNE 9		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE						
0-1	0.72	0.73	0.72	0.73	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0
1-2	0.71	0.73	0.71	0.73	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0
2-3	0.59	0.72	0.59	0.73	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
3-4	0.51	0.70	0.51	0.71	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0
4-5	0.66	0.70	0.66	0.70	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0
5-6	0.70	0.71	0.70	0.72	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0
6-7	0.67	0.71	0.67	0.71	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0
7-8	0.64	0.70	0.64	0.70	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0
8-9	0.67	0.69	0.67	0.70	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0
9-10	0.51	0.68	0.51	0.68	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0
10-11	0.52	0.66	0.52	0.67	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
11-12	0.57	0.65	0.57	0.65	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0
12-13	0.61	0.66	0.61	0.66	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0
13-14	0.57	0.65	0.57	0.65	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0
14-15	0.43	0.63	0.43	0.63	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0
15-16	0.42	0.61	0.42	0.61	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0
16-17	0.42	0.61	0.42	0.61	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
17-18	0.43	0.60	0.43	0.60	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0
18-19	0.41	0.60	0.41	0.60	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
19-20	0.40	0.59	0.40	0.59	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0
20-21	0.38	0.58	0.38	0.59	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
21-22	0.38	0.58	0.38	0.58	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
22-23	0.37	0.56	0.37	0.57	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0
23-24	0.36	0.55	0.36	0.55	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0
TOTAL	12.65	15.60	12.65	15.68	0.0	-2.94	-2.94	0.0	0.0	0.0	0.0	0.0

SHORTWAVE RADIATION (MJ/M**2)												
JUNE 10												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6- 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7- 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8- 9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
JUNE 10												
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0- 1	0.34	0.56	0.34	0.54	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	0.0
1- 2	0.35	0.53	0.35	0.53	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0
2- 3	0.35	0.53	0.35	0.54	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
3- 4	0.34	0.54	0.34	0.54	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0
4- 5	0.34	0.54	0.34	0.54	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
5- 6	0.35	0.54	0.35	0.55	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
6- 7	0.34	0.55	0.34	0.56	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	0.0
7- 8	0.34	0.55	0.34	0.56	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	0.0
8- 9	0.35	0.55	0.35	0.55	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
9-10	0.35	0.54	0.35	0.55	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
10-11	0.34	0.54	0.34	0.54	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
11-12	0.34	0.53	0.34	0.54	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
12-13	0.33	0.53	0.33	0.53	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
13-14	0.33	0.52	0.33	0.53	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
14-15	0.32	0.52	0.32	0.52	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
15-16	0.32	0.52	0.32	0.52	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
16-17	0.32	0.52	0.32	0.53	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
17-18	0.32	0.52	0.32	0.53	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
18-19	0.32	0.52	0.32	0.53	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
19-20	0.34	0.52	0.34	0.53	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
20-21	0.35	0.52	0.35	0.53	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0
21-22	0.35	0.52	0.35	0.52	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0
22-23	0.35	0.52	0.35	0.53	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0
23-24	0.38	0.52	0.38	0.53	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
TOTAL	8.15	12.75	8.15	12.87	0.0	-4.60	-4.60					

JUNE 11		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5- 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6- 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7- 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8- 9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

JUNE 11		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	TOTAL					
0- 1	0.44	0.52	0.44	0.53	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
1- 2	0.37	0.52	0.37	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
2- 3	0.41	0.52	0.41	0.56	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
3- 4	0.45	0.54	0.45	0.58	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
4- 5	0.48	0.54	0.48	0.59	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
5- 6	0.52	0.55	0.52	0.61	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	
6- 7	0.49	0.55	0.49	0.61	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
7- 8	0.51	0.54	0.51	0.61	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	
8- 9	0.53	0.55	0.53	0.62	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	
9-10	0.51	0.56	0.51	0.60	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
10-11	0.52	0.56	0.52	0.60	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
11-12	0.52	0.58	0.52	0.60	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	
12-13	0.40	0.61	0.53	0.61	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	
13-14	0.42	0.62	0.55	0.62	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
14-15	0.42	0.62	0.55	0.62	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
15-16	0.45	0.63	0.40	0.63	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
16-17	0.48	0.64	0.59	0.64	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
17-18	0.50	0.63	0.58	0.63	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
18-19	0.43	0.63	0.54	0.63	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
19-20	0.41	0.63	0.55	0.63	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0	
20-21	0.46	0.63	0.58	0.63	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
21-22	0.48	0.64	0.59	0.64	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
22-23	0.45	0.63	0.57	0.63	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
23-24	0.46	0.63	0.58	0.63	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
TOTAL	11.12	14.07	12.36	14.61	0.0	-2.95	-2.95	0.0	0.0	0.0	0.0	

SHORTWAVE RADIATION (MJ/M**2)													
JUNE 12													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
JUNE 12													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.47	0.63	0.58	0.63	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	
1-2	0.48	0.63	0.58	0.63	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
2-3	0.47	0.63	0.58	0.63	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	
3-4	0.46	0.63	0.58	0.63	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	
4-5	0.46	0.63	0.58	0.63	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	
5-6	0.42	0.63	0.57	0.63	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	0.0	
6-7	0.41	0.60	0.53	0.60	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	
7-8	0.41	0.59	0.54	0.59	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0	
8-9	0.40	0.60	0.54	0.60	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0	
9-10	0.38	0.59	0.52	0.59	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	0.0	
10-11	0.38	0.59	0.53	0.59	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	0.0	
11-12	0.38	0.55	0.50	0.55	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	
12-13	0.36	0.48	0.43	0.48	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	
13-14	0.35	0.46	0.41	0.46	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	
14-15	0.31	0.45	0.40	0.45	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	
15-16	0.31	0.44	0.38	0.44	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	
16-17	0.30	0.43	0.37	0.43	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	
17-18	0.34	0.42	0.37	0.42	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	
18-19	0.36	0.42	0.37	0.42	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	
19-20	0.37	0.42	0.37	0.42	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	
20-21	0.39	0.43	0.38	0.43	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	
21-22	0.38	0.45	0.38	0.45	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	
22-23	0.41	0.46	0.41	0.46	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	
23-24	0.46	0.48	0.43	0.48	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	
TOTAL	9.47	12.64	11.33	12.64	0.0	-3.17	-3.17						

SHORTWAVE RADIATION (MJ/M**2)													
JUNE 13													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LONGWAVE RADIATION (MJ/M**2)													
JUNE 13													
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.47	0.50	0.45	0.50	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	
1-2	0.48	0.51	0.47	0.51	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	
2-3	0.50	0.52	0.48	0.52	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	
3-4	0.50	0.53	0.48	0.53	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	
4-5	0.51	0.53	0.48	0.53	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	
5-6	0.51	0.53	0.49	0.53	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	
6-7	0.51	0.53	0.50	0.53	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	
7-8	0.51	0.53	0.49	0.53	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	
8-9	0.51	0.53	0.48	0.53	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	
9-10	0.50	0.53	0.47	0.53	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	
10-11	0.51	0.53	0.48	0.53	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	
11-12	0.51	0.53	0.47	0.53	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	
12-13	0.50	0.53	0.71	0.53	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	
13-14	0.50	0.53	0.46	0.53	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	
14-15	0.49	0.53	0.46	0.53	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	
15-16	0.47	0.53	0.44	0.53	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	
16-17	0.46	0.53	0.43	0.53	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	
17-18	0.45	0.53	0.44	0.53	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	
18-19	0.43	0.53	0.41	0.53	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
19-20	0.42	0.52	0.41	0.52	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	
20-21	0.42	0.52	0.41	0.52	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	
21-22	0.42	0.52	0.42	0.52	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
22-23	0.42	0.52	0.42	0.52	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	
23-24	0.42	0.53	0.42	0.53	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	
TOTAL	11.41	12.63	11.16	12.63	0.0	-1.22	-1.22	0.0	0.0	0.0	0.0	0.0	

SHORTWAVE RADIATION (MJ/M**2)													
JUNE 14													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6- 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7- 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8- 9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LONGWAVE RADIATION (MJ/M**2)													
JUNE 14													
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.40	0.53	0.43	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
1- 2	0.40	0.53	0.42	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
2- 3	0.40	0.53	0.42	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
3- 4	0.40	0.53	0.42	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
4- 5	0.41	0.53	0.43	0.53	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	
5- 6	0.42	0.53	0.44	0.53	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	
6- 7	0.42	0.53	0.42	0.53	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	
7- 8	0.42	0.52	0.42	0.52	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
8- 9	0.42	0.52	0.42	0.52	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
9-10	0.42	0.52	0.44	0.52	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
10-11	0.42	0.53	0.42	0.53	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
11-12	0.44	0.53	0.43	0.53	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	
12-13	0.45	0.54	0.44	0.54	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	
13-14	0.46	0.54	0.44	0.54	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	
14-15	0.46	0.54	0.45	0.54	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	
15-16	0.49	0.55	0.47	0.55	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	
16-17	0.51	0.55	0.47	0.55	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	
17-18	0.50	0.55	0.47	0.55	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	
18-19	0.50	0.56	0.47	0.56	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	
19-20	0.49	0.56	0.47	0.56	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	
20-21	0.48	0.56	0.46	0.56	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	
21-22	0.48	0.56	0.46	0.56	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	
22-23	0.47	0.56	0.45	0.56	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
23-24	0.47	0.56	0.46	0.56	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	
TOTAL	10.72	12.95	10.61	12.95	0.0	-2.23	-2.23		0.0	0.0	0.0	0.0	

SHORTWAVE RADIATION (MJ/M**2)													
JUNE 15													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6- 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7- 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8- 9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LONGWAVE RADIATION (MJ/M**2)													
JUNE 15													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	(SURFACE) LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.47	0.57	0.45	0.57	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
1- 2	0.47	0.56	0.45	0.56	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	
2- 3	0.47	0.56	0.45	0.56	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	
3- 4	0.47	0.56	0.45	0.56	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	
4- 5	0.46	0.56	0.44	0.56	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
5- 6	0.45	0.56	0.43	0.56	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
6- 7	0.46	0.56	0.44	0.56	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
7- 8	0.46	0.56	0.43	0.56	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
8- 9	0.45	0.56	0.43	0.56	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	
9-10	0.44	0.57	0.43	0.57	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	
10-11	0.45	0.56	0.43	0.56	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	
11-12	0.46	0.56	0.45	0.56	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
12-13	0.47	0.56	0.44	0.56	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	
13-14	0.48	0.56	0.45	0.56	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	
14-15	0.48	0.56	0.45	0.56	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	
15-16	0.48	0.56	0.45	0.56	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	
16-17	0.48	0.56	0.46	0.56	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	
17-18	0.48	0.56	0.45	0.56	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	
18-19	0.48	0.56	0.44	0.56	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	
19-20	0.47	0.56	0.44	0.56	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	
20-21	0.47	0.56	0.44	0.56	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	
21-22	0.47	0.56	0.44	0.56	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	
22-23	0.47	0.56	0.45	0.56	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	
23-24	0.47	0.56	0.45	0.56	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	
TOTAL	11.21	13.45	10.65	13.45	0.0	-2.24	-2.24						

SHORTWAVE RADIATION (MJ/M**2)												
JUNE 16												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
JUNE 16												
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.45	0.55	0.44	0.55	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
1-2	0.45	0.55	0.43	0.55	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
2-3	0.45	0.55	0.43	0.55	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
3-4	0.45	0.55	0.42	0.55	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
4-5	0.45	0.55	0.42	0.55	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
5-6	0.44	0.55	0.42	0.55	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
6-7	0.44	0.55	0.42	0.55	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
7-8	0.43	0.54	0.42	0.54	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
8-9	0.43	0.54	0.41	0.54	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
9-10	0.43	0.54	0.41	0.54	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
10-11	0.41	0.54	0.40	0.54	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
11-12	0.40	0.53	0.39	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
12-13	0.38	0.53	0.38	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
13-14	0.38	0.53	0.37	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
14-15	0.37	0.52	0.37	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
15-16	0.38	0.52	0.37	0.52	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
16-17	0.37	0.52	0.37	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
17-18	0.38	0.51	0.37	0.51	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
18-19	0.38	0.51	0.38	0.51	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
19-20	0.38	0.51	0.38	0.51	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
20-21	0.38	0.50	0.38	0.50	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
21-22	0.38	0.50	0.38	0.50	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
22-23	0.37	0.50	0.38	0.50	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
23-24	0.37	0.50	0.37	0.50	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
TOTAL	9.76	12.72	9.50	12.72	0.0	-2.96	-2.96	0.0	0.0	0.0	0.0	



SHORT-WAVE RADIATION (MJ/M**2)													
JUNE 17													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6- 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7- 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8- 9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LONGWAVE RADIATION (MJ/M**2)													
JUNE 17													
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.36	0.51	0.36	0.51	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.38	0.51	0.37	0.51	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.40	0.52	0.38	0.52	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.40	0.52	0.38	0.52	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.40	0.53	0.38	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.40	0.53	0.38	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0
6- 7	0.40	0.53	0.38	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0
7- 8	0.40	0.53	0.38	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0
8- 9	0.40	0.53	0.38	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.40	0.53	0.38	0.53	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.40	0.53	0.38	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.38	0.53	0.38	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.38	0.53	0.38	0.53	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.38	0.53	0.37	0.53	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.37	0.53	0.37	0.53	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.37	0.53	0.38	0.53	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.37	0.53	0.37	0.53	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.37	0.53	0.37	0.53	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.37	0.52	0.37	0.52	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.36	0.52	0.37	0.52	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.37	0.52	0.36	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.38	0.52	0.37	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.38	0.52	0.37	0.52	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.40	0.53	0.38	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	9.21	12.64	8.98	12.64	0.0	-3.43	-3.43	0.0	0.0	0.0	0.0	0.0	0.0

SHORTWAVE RADIATION (MJ/M**2)												
JUNE 18												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LONGWAVE RADIATION (MJ/M**2)												
JUNE 18												
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.40	0.53	0.38	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
1-2	0.41	0.53	0.38	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
2-3	0.41	0.53	0.38	0.53	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
3-4	0.41	0.53	0.38	0.53	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
4-5	0.41	0.53	0.38	0.53	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
5-6	0.41	0.53	0.38	0.53	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
6-7	0.41	0.53	0.37	0.53	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
7-8	0.39	0.52	0.37	0.52	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
8-9	0.39	0.52	0.37	0.52	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
9-10	0.39	0.52	0.37	0.52	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
10-11	0.37	0.52	0.36	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
11-12	0.38	0.52	0.37	0.52	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
12-13	0.36	0.52	0.37	0.52	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
13-14	0.36	0.52	0.37	0.52	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
14-15	0.37	0.53	0.36	0.53	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
15-16	0.37	0.53	0.36	0.53	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
16-17	0.37	0.53	0.36	0.53	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
17-18	0.37	0.53	0.36	0.53	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
18-19	0.37	0.54	0.36	0.54	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
19-20	0.37	0.54	0.36	0.54	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
20-21	0.37	0.54	0.36	0.54	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
21-22	0.37	0.54	0.36	0.54	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
22-23	0.37	0.53	0.36	0.53	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
23-24	0.37	0.53	0.36	0.53	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
TOTAL	9.21	12.70	8.83	12.70	0.0	-3.49	-3.49					

SHORTWAVE RADIATION (MJ/M**2)													
JUNE 19													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (Kw/M**2)													
JUNE 19													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.37	0.54	0.36	0.54	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.37	0.54	0.36	0.54	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.37	0.54	0.36	0.54	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.37	0.53	0.36	0.53	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.37	0.53	0.36	0.53	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.37	0.54	0.36	0.54	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.37	0.54	0.36	0.54	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.38	0.54	0.36	0.54	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.38	0.54	0.36	0.54	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.38	0.54	0.36	0.54	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.40	0.54	0.36	0.54	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.40	0.55	0.37	0.55	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.40	0.55	0.37	0.55	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.41	0.55	0.37	0.55	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.40	0.55	0.37	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.39	0.54	0.38	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.39	0.54	0.38	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.38	0.54	0.37	0.55	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.38	0.54	0.38	0.55	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.37	0.55	0.37	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.37	0.55	0.36	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.37	0.55	0.36	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.37	0.55	0.36	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.37	0.55	0.37	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	9.15	13.01	8.77	13.12	0.0	-3.86	-3.86						

SHORTWAVE RADIATION (MJ/M**2)													
JUNE 20													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLGBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
JUNE 20													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.37	0.55	0.36	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
1-2	0.37	0.55	0.36	0.57	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
2-3	0.36	0.55	0.36	0.56	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
3-4	0.37	0.55	0.36	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
4-5	0.37	0.55	0.36	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
5-6	0.39	0.55	0.38	0.56	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
6-7	0.45	0.56	0.44	0.57	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
7-8	0.48	0.57	0.46	0.58	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0		
8-9	0.51	0.58	0.48	0.58	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0		
9-10	0.53	0.58	0.50	0.59	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
10-11	0.56	0.59	0.53	0.59	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
11-12	0.58	0.60	0.56	0.60	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
12-13	0.61	0.61	0.61	0.61	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0		
13-14	0.62	0.62	0.62	0.62	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0		
14-15	0.65	0.63	0.65	0.63	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
15-16	0.67	0.65	0.67	0.65	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
16-17	0.67	0.65	0.67	0.66	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
17-18	0.68	0.66	0.68	0.66	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
18-19	0.66	0.66	0.66	0.67	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0		
19-20	0.66	0.67	0.66	0.67	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0		
20-21	0.62	0.67	0.59	0.67	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
21-22	0.55	0.66	0.51	0.67	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
22-23	0.51	0.66	0.46	0.66	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
23-24	0.48	0.65	0.43	0.66	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
TOTAL	12.72	14.58	12.38	14.70	0.0	-1.86	-1.86	0.0	0.0	0.0	0.0		

SHORTWAVE RADIATION (MJ/M**2)												
JUNE 21												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LONGWAVE RADIATION (MJ/M**2)												
JUNE 21												
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.48	0.65	0.45	0.66	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
1-2	0.48	0.65	0.46	0.65	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
2-3	0.53	0.65	0.52	0.66	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
3-4	0.57	0.65	0.61	0.66	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
4-5	0.63	0.66	0.62	0.66	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	
5-6	0.57	0.66	0.58	0.66	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
6-7	0.49	0.65	0.49	0.66	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
7-8	0.51	0.64	0.51	0.65	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
8-9	0.47	0.63	0.47	0.64	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
9-10	0.43	0.62	0.42	0.63	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	
10-11	0.47	0.62	0.47	0.63	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
11-12	0.49	0.62	0.49	0.63	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
12-13	0.48	0.62	0.47	0.63	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
13-14	0.42	0.61	0.42	0.63	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
14-15	0.44	0.61	0.44	0.62	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
15-16	0.49	0.61	0.50	0.63	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
16-17	0.52	0.62	0.53	0.63	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
17-18	0.49	0.62	0.49	0.63	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
18-19	0.51	0.62	0.51	0.63	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
19-20	0.45	0.62	0.45	0.63	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
20-21	0.46	0.62	0.47	0.63	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
21-22	0.51	0.62	0.51	0.63	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
22-23	0.55	0.62	0.55	0.63	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	
23-24	0.52	0.62	0.53	0.63	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
TOTAL	11.95	15.11	11.96	15.37	0.0	-3.16	-3.16	0.0	0.0	0.0	0.0	

SHORTWAVE RADIATION (MJ/M**2)													
JUNE 22													
HOUR	GLOBAL(SURFACE)				REFLECTED(SURFACE)				GLOBAL(30M)		REFLECTED(30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6- 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7- 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8- 9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
JUNE 22													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.58	0.62	0.58	0.63	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.58	0.62	0.58	0.63	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.47	0.62	0.48	0.63	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.44	0.61	0.44	0.63	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.43	0.60	0.44	0.63	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.47	0.60	0.48	0.62	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0
6- 7	0.39	0.59	0.39	0.61	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	0.0
7- 8	0.43	0.59	0.43	0.61	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
8- 9	0.42	0.59	0.42	0.61	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.40	0.58	0.41	0.60	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.38	0.57	0.39	0.59	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.38	0.56	0.38	0.58	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.43	0.56	0.43	0.59	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.44	0.56	0.44	0.59	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.42	0.56	0.43	0.59	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.46	0.57	0.46	0.59	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.44	0.57	0.44	0.59	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.52	0.57	0.52	0.59	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.53	0.58	0.54	0.60	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.56	0.58	0.57	0.60	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.54	0.59	0.54	0.60	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.53	0.59	0.54	0.60	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.51	0.59	0.51	0.60	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.56	0.59	0.57	0.61	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	11.31	14.06	11.40	14.55	0.0	-2.75	-2.75	0.0	0.0	0.0	0.0	0.0	0.0

JUNE 23		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5- 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6- 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7- 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8- 9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

JUNE 23		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL					
0- 1	0.55	0.60	0.56	0.61	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
1- 2	0.53	0.60	0.53	0.61	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	
2- 3	0.50	0.59	0.50	0.61	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
3- 4	0.49	0.60	0.49	0.61	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
4- 5	0.54	0.60	0.53	0.61	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	
5- 6	0.50	0.60	0.49	0.61	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
6- 7	0.44	0.59	0.43	0.60	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
7- 8	0.51	0.59	0.51	0.60	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
8- 9	0.52	0.60	0.52	0.61	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
9-10	0.50	0.60	0.50	0.61	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
10-11	0.53	0.60	0.53	0.61	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
11-12	0.55	0.61	0.55	0.62	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	
12-13	0.50	0.61	0.50	0.61	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
13-14	0.51	0.60	0.51	0.61	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
14-15	0.48	0.59	0.48	0.60	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
15-16	0.40	0.58	0.40	0.59	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
16-17	0.43	0.57	0.42	0.58	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
17-18	0.47	0.57	0.46	0.58	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
18-19	0.43	0.57	0.43	0.58	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
19-20	0.43	0.57	0.42	0.58	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
20-21	0.42	0.57	0.41	0.58	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
21-22	0.43	0.56	0.42	0.57	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
22-23	0.41	0.57	0.41	0.58	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
23-24	0.40	0.56	0.40	0.58	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
TOTAL	11.47	14.08	11.41	14.34	0.0	-2.61	-2.61	0.0	0.0	0.0	0.0	

JUNE 24													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5- 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6- 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7- 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8- 9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

JUNE 24													
LONGWAVE RADIATION (MJ/M**2)					NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	LONGWAVE						
0- 1	0.39	0.56	0.38	0.57	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
1- 2	0.38	0.56	0.37	0.57	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
2- 3	0.38	0.56	0.37	0.57	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
3- 4	0.42	0.56	0.42	0.57	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
4- 5	0.53	0.56	0.54	0.57	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
5- 6	0.47	0.57	0.48	0.57	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0		
6- 7	0.42	0.56	0.42	0.57	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
7- 8	0.42	0.55	0.40	0.57	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
8- 9	0.37	0.55	0.37	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
9-10	0.37	0.54	0.37	0.55	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
10-11	0.36	0.54	0.37	0.55	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
11-12	0.36	0.54	0.37	0.55	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
12-13	0.41	0.53	0.40	0.54	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
13-14	0.45	0.54	0.44	0.54	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0		
14-15	0.41	0.54	0.40	0.54	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
15-16	0.38	0.53	0.36	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
16-17	0.37	0.53	0.36	0.54	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
17-18	0.37	0.52	0.36	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
18-19	0.39	0.52	0.38	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
19-20	0.42	0.52	0.42	0.53	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
20-21	0.49	0.53	0.49	0.53	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
21-22	0.46	0.53	0.45	0.54	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0		
22-23	0.41	0.53	0.39	0.54	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
23-24	0.40	0.53	0.38	0.54	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
TOTAL	9.83	12.99	9.70	13.22	0.0	-3.16	-3.16						



SHORTWAVE RADIATION (MJ/M**2)													
JUNE 25													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

LONGWAVE RADIATION (MJ/M**2)													
JUNE 25													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.36	0.52	0.36	0.53	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
1-2	0.40	0.52	0.38	0.53	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
2-3	0.40	0.52	0.36	0.53	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
3-4	0.42	0.52	0.37	0.53	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
4-5	0.42	0.52	0.37	0.52	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
5-6	0.42	0.52	0.38	0.52	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
6-7	0.42	0.52	0.38	0.52	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
7-8	0.42	0.52	0.39	0.52	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
8-9	0.42	0.52	0.39	0.52	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
9-10	0.42	0.52	0.37	0.52	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
10-11	0.37	0.52	0.37	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
11-12	0.37	0.52	0.37	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
12-13	0.37	0.52	0.37	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
13-14	0.37	0.51	0.37	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
14-15	0.36	0.51	0.36	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
15-16	0.35	0.51	0.35	0.51	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
16-17	0.36	0.51	0.36	0.51	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
17-18	0.35	0.50	0.35	0.51	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
18-19	0.35	0.50	0.35	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
19-20	0.34	0.50	0.34	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
20-21	0.34	0.50	0.34	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
21-22	0.35	0.50	0.35	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
22-23	0.35	0.50	0.35	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
23-24	0.35	0.50	0.35	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
TOTAL	9.05	12.28	8.73	12.40	0.0	-3.22	-3.22	0.0	0.0	0.0	0.0		

SHORTWAVE RADIATION (MJ/M**2)													
JUNE 26													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

LONGWAVE RADIATION (MJ/M**2)													
JUNE 26													
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.35	0.50	0.35	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
1-2	0.35	0.49	0.35	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
2-3	0.35	0.50	0.35	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
3-4	0.35	0.50	0.35	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
4-5	0.35	0.50	0.35	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
5-6	0.35	0.50	0.35	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
6-7	0.35	0.50	0.35	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
7-8	0.35	0.50	0.35	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
8-9	0.35	0.50	0.35	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
9-10	0.35	0.50	0.35	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
10-11	0.35	0.50	0.35	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
11-12	0.35	0.50	0.35	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
12-13	0.34	0.50	0.34	0.50	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
13-14	0.35	0.50	0.35	0.51	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
14-15	0.35	0.50	0.35	0.51	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
15-16	0.35	0.50	0.35	0.51	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
16-17	0.34	0.50	0.34	0.51	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
17-18	0.34	0.50	0.34	0.51	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
18-19	0.34	0.50	0.34	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
19-20	0.34	0.50	0.34	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
20-21	0.34	0.50	0.34	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
21-22	0.35	0.49	0.35	0.50	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
22-23	0.34	0.50	0.34	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
23-24	0.35	0.49	0.35	0.50	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
TOTAL	8.35	11.91	8.35	12.07	0.0	-3.56	-3.56	0.0	0.0	0.0	0.0		

SHORTWAVE RADIATION (MJ/M**2)													
JUNE 27													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
JUNE 27													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.35	0.49	0.35	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
1-2	0.34	0.49	0.34	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
2-3	0.34	0.49	0.34	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
3-4	0.34	0.49	0.34	0.49	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
4-5	0.34	0.49	0.34	0.49	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
5-6	0.34	0.49	0.34	0.49	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
6-7	0.34	0.49	0.34	0.49	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
7-8	0.34	0.49	0.34	0.49	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
8-9	0.34	0.49	0.34	0.49	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
9-10	0.34	0.49	0.34	0.49	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
10-11	0.34	0.49	0.34	0.49	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	
11-12	0.34	0.49	0.34	0.49	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	
12-13	0.34	0.49	0.34	0.49	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
13-14	0.34	0.49	0.34	0.49	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	
14-15	0.34	0.49	0.34	0.49	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
15-16	0.34	0.48	0.34	0.49	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
16-17	0.34	0.48	0.34	0.49	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	
17-18	0.34	0.48	0.34	0.49	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	
18-19	0.34	0.48	0.34	0.49	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	
19-20	0.33	0.48	0.33	0.49	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
20-21	0.33	0.48	0.33	0.48	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
21-22	0.33	0.47	0.33	0.48	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	
22-23	0.33	0.47	0.33	0.48	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	
23-24	0.33	0.47	0.33	0.48	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	
TOTAL	8.13	11.61	8.13	11.79	0.0	-3.48	-3.48						

SHORTWAVE RADIATION (MJ/M**2)												
JUNE 28												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LONGWAVE RADIATION (MJ/M**2)      NET RADIATION (MJ/M**2)      DIRECT RADIATION (KW/M**2)												
JUNE 28												
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.33	0.47	0.33	0.48	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
1-2	0.33	0.47	0.33	0.48	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
2-3	0.32	0.47	0.32	0.48	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
3-4	0.33	0.47	0.33	0.48	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
4-5	0.34	0.46	0.34	0.48	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
5-6	0.34	0.46	0.34	0.48	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
6-7	0.34	0.46	0.34	0.48	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
7-8	0.34	0.46	0.34	0.48	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
8-9	0.33	0.46	0.33	0.48	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
9-10	0.33	0.46	0.33	0.48	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
10-11	0.33	0.46	0.33	0.48	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
11-12	0.33	0.46	0.33	0.48	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
12-13	0.32	0.46	0.32	0.47	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
13-14	0.33	0.46	0.33	0.47	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
14-15	0.32	0.46	0.32	0.47	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
15-16	0.32	0.46	0.32	0.48	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
16-17	0.33	0.46	0.33	0.48	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
17-18	0.33	0.47	0.33	0.48	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
18-19	0.33	0.47	0.33	0.48	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
19-20	0.34	0.47	0.34	0.49	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
20-21	0.34	0.47	0.34	0.49	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
21-22	0.34	0.47	0.34	0.49	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
22-23	0.34	0.47	0.34	0.49	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
23-24	0.35	0.47	0.35	0.50	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
TOTAL	7.97	11.18	7.97	11.56	0.0	-3.21	-3.21	0.0	0.0	0.0	0.0	

SHORTWAVE RADIATION (MJ/M**2)													
JUNE 29													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

LONGWAVE RADIATION (MJ/M**2)													
JUNE 29													
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (Kw/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.35	0.48	0.35	0.50	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
1-2	0.33	0.48	0.33	0.51	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
2-3	0.34	0.49	0.34	0.51	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
3-4	0.34	0.49	0.34	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
4-5	0.35	0.49	0.35	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
5-6	0.36	0.50	0.36	0.52	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
6-7	0.36	0.50	0.36	0.52	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
7-8	0.37	0.50	0.37	0.52	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
8-9	0.39	0.51	0.39	0.53	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
9-10	0.42	0.52	0.42	0.53	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0		
10-11	0.45	0.53	0.45	0.55	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0		
11-12	0.46	0.53	0.46	0.55	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
12-13	0.51	0.54	0.51	0.56	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
13-14	0.57	0.56	0.57	0.57	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
14-15	0.60	0.57	0.60	0.59	0.0	0.03	0.03	0.0	0.0	0.0	0.0		
15-16	0.62	0.58	0.62	0.60	0.0	0.04	0.04	0.0	0.0	0.0	0.0		
16-17	0.62	0.59	0.62	0.61	0.0	0.03	0.03	0.0	0.0	0.0	0.0		
17-18	0.68	0.61	0.68	0.62	0.0	0.07	0.07	0.0	0.0	0.0	0.0		
18-19	0.67	0.62	0.67	0.63	0.0	0.05	0.05	0.0	0.0	0.0	0.0		
19-20	0.70	0.63	0.70	0.64	0.0	0.07	0.07	0.0	0.0	0.0	0.0		
20-21	0.71	0.64	0.71	0.65	0.0	0.07	0.07	0.0	0.0	0.0	0.0		
21-22	0.72	0.65	0.72	0.66	0.0	0.07	0.07	0.0	0.0	0.0	0.0		
22-23	0.70	0.66	0.70	0.66	0.0	0.05	0.05	0.0	0.0	0.0	0.0		
23-24	0.68	0.67	0.68	0.67	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
TOTAL	12.30	13.33	12.30	13.74	0.0	-1.03	-1.03						

SHORTWAVE RADIATION (MJ/M**2)													
JUNE 30													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6- 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7- 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8- 9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LONGWAVE RADIATION (MJ/M**2)													
JUNE 30													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.71	0.67	0.71	0.68	0.0	0.04	0.04	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.70	0.68	0.70	0.68	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.69	0.69	0.69	0.69	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.68	0.69	0.68	0.69	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.69	0.69	0.69	0.69	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.66	0.69	0.66	0.70	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	0.0
6- 7	0.52	0.67	0.52	0.69	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
7- 8	0.45	0.65	0.45	0.68	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	0.0	0.0
8- 9	0.49	0.65	0.49	0.68	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.49	0.63	0.49	0.66	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.62	0.64	0.62	0.67	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.62	0.64	0.62	0.67	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.64	0.65	0.64	0.67	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.59	0.65	0.59	0.66	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.61	0.64	0.61	0.66	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.62	0.64	0.62	0.66	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.62	0.64	0.62	0.66	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.62	0.64	0.62	0.65	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.64	0.65	0.64	0.66	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.61	0.65	0.61	0.66	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.57	0.64	0.57	0.66	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.60	0.64	0.60	0.66	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.62	0.64	0.62	0.66	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.62	0.65	0.62	0.66	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	14.67	15.71	14.67	16.10	0.0	-1.04	-1.04						

SHORTWAVE RADIATION (MJ/M**2)													
JULY 1													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
JULY 1													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(530)	(630)	(695)			
0-1	0.59	0.64	0.59	0.65	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.60	0.64	0.60	0.65	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.64	0.64	0.64	0.65	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.63	0.64	0.63	0.65	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.65	0.65	0.65	0.65	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.66	0.65	0.66	0.66	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.67	0.66	0.67	0.66	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.68	0.66	0.68	0.66	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.70	0.66	0.70	0.67	0.0	0.04	0.04	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.70	0.67	0.70	0.67	0.0	0.03	0.03	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.67	0.67	0.67	0.68	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.66	0.67	0.66	0.68	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.51	0.66	0.51	0.67	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.46	0.65	0.46	0.66	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.41	0.63	0.41	0.64	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.39	0.61	0.39	0.62	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.39	0.60	0.39	0.61	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.39	0.59	0.39	0.60	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.41	0.58	0.41	0.60	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.43	0.58	0.43	0.60	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.45	0.59	0.45	0.60	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.46	0.59	0.46	0.60	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.50	0.59	0.50	0.61	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.53	0.60	0.53	0.61	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	13.18	15.13	13.18	15.36	0.0	-1.95	-1.95						

SHORTWAVE RADIATION (MJ/M**2)													
JULY 2													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LONGWAVE RADIATION (MJ/M**2) ; NET RADIATION (MJ/M**2) ; DIRECT RADIATION (KW/M**2)													
JULY 2													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.57	0.61	0.57	0.61	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	
1-2	0.62	0.62	0.62	0.62	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	
2-3	0.63	0.63	0.63	0.63	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	
3-4	0.64	0.64	0.64	0.64	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	
4-5	0.65	0.64	0.65	0.65	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	
5-6	0.67	0.65	0.67	0.66	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	
6-7	0.67	0.66	0.67	0.67	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	
7-8	0.69	0.67	0.69	0.67	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0	
8-9	0.69	0.64	0.69	0.68	0.0	0.05	0.05	0.0	0.0	0.0	0.0	0.0	
9-10	0.65	0.68	0.65	0.69	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	
10-11	0.68	0.68	0.68	0.69	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	0.0	
11-12	0.68	0.68	0.68	0.68	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	
12-13	0.69	0.67	0.69	0.68	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0	
13-14	0.69	0.68	0.69	0.68	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	
14-15	0.68	0.68	0.68	0.68	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	
15-16	0.67	0.68	0.67	0.68	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0	
16-17	0.65	0.68	0.65	0.68	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	
17-18	0.62	0.68	0.62	0.68	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	
18-19	0.63	0.68	0.63	0.68	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	
19-20	0.60	0.67	0.60	0.68	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	
20-21	0.58	0.67	0.58	0.67	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	
21-22	0.64	0.67	0.64	0.67	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	
22-23	0.66	0.68	0.66	0.68	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	
23-24	0.65	0.68	0.65	0.68	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	
TOTAL	15.59	15.90	15.59	16.04	0.0	-0.30	-0.30	0.0	0.0	0.0	0.0	0.0	



JULY 3		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5- 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6- 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7- 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8- 9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

JULY 3		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE						
0- 1	0.67	0.68	0.67	0.68	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0
1- 2	0.69	0.68	0.69	0.69	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0
2- 3	0.68	0.69	0.68	0.69	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0
3- 4	0.67	0.69	0.67	0.69	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0
4- 5	0.68	0.69	0.68	0.69	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	0.0
5- 6	0.69	0.69	0.69	0.69	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0
6- 7	0.69	0.69	0.69	0.69	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0
7- 8	0.69	0.69	0.69	0.69	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0
8- 9	0.66	0.69	0.66	0.69	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0
9-10	0.66	0.69	0.66	0.69	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0
10-11	0.66	0.68	0.66	0.69	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0
11-12	0.69	0.69	0.69	0.69	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0
12-13	0.68	0.69	0.68	0.69	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0
13-14	0.66	0.69	0.66	0.69	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0
14-15	0.70	0.70	0.70	0.70	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	0.0
15-16	0.71	0.71	0.71	0.71	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0
16-17	0.69	0.71	0.69	0.71	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0
17-18	0.67	0.71	0.67	0.71	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0
18-19	0.65	0.71	0.65	0.71	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0
19-20	0.62	0.70	0.62	0.71	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0
20-21	0.63	0.70	0.63	0.71	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0
21-22	0.61	0.70	0.61	0.71	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0
22-23	0.61	0.70	0.61	0.70	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0
23-24	0.54	0.68	0.54	0.70	0.0	-0.14	-0.09	0.0	0.0	0.0	0.0	0.0
TOTAL	15.86	16.63	15.88	16.70	0.0	-0.74	-0.74	0.0	0.0	0.0	0.0	0.0

SHORTWAVE RADIATION (MJ/M**2)													
JULY 4													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LONGWAVE RADIATION (MJ/M**2)													
JULY 4													
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.47	0.66	0.47	0.67	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	
1-2	0.54	0.68	0.54	0.67	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	
2-3	0.55	0.66	0.55	0.67	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	
3-4	0.58	0.65	0.58	0.66	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	
4-5	0.47	0.64	0.47	0.65	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	
5-6	0.36	0.60	0.36	0.61	0.0	-0.24	-0.24	0.0	0.0	0.0	0.0	0.0	
6-7	0.33	0.58	0.33	0.59	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0	0.0	
7-8	0.38	0.58	0.38	0.60	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	0.0	
8-9	0.36	0.58	0.36	0.60	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	0.0	
9-10	0.38	0.58	0.38	0.60	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	
10-11	0.44	0.59	0.44	0.60	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
11-12	0.45	0.60	0.45	0.60	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	
12-13	0.53	0.60	0.53	0.61	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	
13-14	0.56	0.62	0.55	0.62	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	
14-15	0.56	0.62	0.54	0.63	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	
15-16	0.62	0.64	0.61	0.64	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	
16-17	0.64	0.65	0.63	0.65	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0	
17-18	0.65	0.65	0.64	0.65	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0	
18-19	0.66	0.66	0.66	0.66	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	0.0	
19-20	0.65	0.66	0.63	0.66	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	
20-21	0.64	0.66	0.63	0.66	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	
21-22	0.64	0.66	0.63	0.66	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	
22-23	0.62	0.66	0.60	0.66	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	
23-24	0.55	0.65	0.53	0.66	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
TOTAL	12.64	15.14	12.50	15.28	0.0	-2.50	-2.50	0.0	0.0	0.0	0.0	0.0	

SHORTWAVE RADIATION (MJ/M**2)													
JULY 5													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6- 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7- 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8- 9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LONGWAVE RADIATION (MJ/M**2)													
JULY 5													
HOUR	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	(SURFACE)		(30M)		SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
	DOWNWARD	UPWARD	DOWNWARD	UPWARD									
0- 1	0.50	0.64	0.46	0.64	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	
1- 2	0.48	0.63	0.43	0.63	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	
2- 3	0.52	0.61	0.48	0.61	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	
3- 4	0.56	0.61	0.53	0.61	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	
4- 5	0.54	0.60	0.49	0.60	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	
5- 6	0.56	0.60	0.52	0.60	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	
6- 7	0.57	0.62	0.53	0.62	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	
7- 8	0.59	0.63	0.55	0.63	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	
8- 9	0.60	0.64	0.56	0.64	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	
9-10	0.62	0.65	0.60	0.65	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	
10-11	0.63	0.66	0.61	0.66	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	
11-12	0.64	0.67	0.62	0.67	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	
12-13	0.67	0.68	0.66	0.68	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0	
13-14	0.65	0.68	0.63	0.68	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	
14-15	0.64	0.68	0.63	0.68	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	
15-16	0.62	0.68	0.60	0.68	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	
16-17	0.60	0.68	0.58	0.68	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	
17-18	0.61	0.67	0.59	0.67	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	
18-19	0.60	0.67	0.58	0.67	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	
19-20	0.57	0.67	0.55	0.67	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
20-21	0.60	0.67	0.60	0.67	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	
21-22	0.59	0.67	0.58	0.67	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	
22-23	0.57	0.67	0.56	0.67	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	
23-24	0.61	0.67	0.59	0.67	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	
TOTAL	14.14	15.63	13.53	15.67	0.0	-1.49	-1.49						

JULY 6		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

JULY 6		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	TOTAL					
0-1	0.59	0.67	0.58	0.67	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
1-2	0.59	0.67	0.58	0.67	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
2-3	0.61	0.67	0.60	0.67	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	
3-4	0.59	0.67	0.58	0.67	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
4-5	0.56	0.67	0.56	0.67	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
5-6	0.51	0.66	0.51	0.67	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
6-7	0.54	0.66	0.54	0.67	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
7-8	0.53	0.66	0.53	0.67	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
8-9	0.54	0.66	0.54	0.67	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
9-10	0.56	0.66	0.56	0.67	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
10-11	0.56	0.66	0.57	0.66	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
11-12	0.55	0.66	0.55	0.66	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
12-13	0.51	0.65	0.51	0.66	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
13-14	0.46	0.65	0.46	0.65	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	
14-15	0.40	0.63	0.41	0.64	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
15-16	0.45	0.63	0.45	0.64	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
16-17	0.52	0.63	0.52	0.64	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
17-18	0.55	0.63	0.55	0.64	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
18-19	0.52	0.63	0.52	0.64	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
19-20	0.50	0.63	0.51	0.64	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
20-21	0.53	0.63	0.53	0.63	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
21-22	0.42	0.62	0.42	0.62	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	
22-23	0.35	0.60	0.36	0.59	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0	
23-24	0.36	0.59	0.35	0.60	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
TOTAL	12.31	15.48	12.31	15.61	0.0	-3.18	-3.18	0.0	0.0	0.0	0.0	

JULY 7													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

JULY 7															
LONGWAVE RADIATION (MJ/M**2)															
HOUR	(SURFACE)				(30M)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	(SURFACE) LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)
0-1	0.36	0.59	0.38	0.59	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.39	0.58	0.39	0.59	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.40	0.58	0.41	0.60	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.38	0.58	0.39	0.59	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.38	0.57	0.38	0.59	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.42	0.57	0.42	0.59	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.37	0.56	0.38	0.58	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.36	0.56	0.36	0.57	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.35	0.55	0.36	0.56	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.35	0.55	0.36	0.56	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.35	0.55	0.36	0.57	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.35	0.55	0.36	0.57	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.36	0.55	0.36	0.56	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.35	0.55	0.36	0.56	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.35	0.55	0.35	0.56	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.35	0.54	0.35	0.56	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.37	0.54	0.35	0.55	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.36	0.54	0.35	0.55	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.37	0.54	0.35	0.55	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.38	0.54	0.36	0.55	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.39	0.54	0.37	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.39	0.54	0.36	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.39	0.54	0.37	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.39	0.54	0.37	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	8.91	13.31	8.86	13.59	0.0	-4.40	-4.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

SHORTWAVE RADIATION (MJ/M**2)													
JULY 8													
HOUR	GLOBAL (SURFACE)				REFLECTED(SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6- 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7- 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8- 9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LONGWAVE RADIATION (MJ/M**2)													
JULY 8													
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.39	0.54	0.37	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
1- 2	0.38	0.54	0.36	0.55	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	
2- 3	0.38	0.54	0.35	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
3- 4	0.39	0.53	0.35	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
4- 5	0.39	0.53	0.35	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
5- 6	0.39	0.53	0.36	0.54	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	
6- 7	0.39	0.53	0.36	0.54	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	
7- 8	0.39	0.53	0.36	0.54	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	
8- 9	0.40	0.53	0.37	0.54	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	
9-10	0.41	0.54	0.39	0.54	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
10-11	0.41	0.54	0.38	0.55	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
11-12	0.41	0.54	0.39	0.55	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
12-13	0.42	0.54	0.40	0.55	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	
13-14	0.42	0.54	0.40	0.55	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
14-15	0.42	0.54	0.41	0.55	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
15-16	0.42	0.54	0.41	0.55	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
16-17	0.39	0.54	0.39	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
17-18	0.39	0.54	0.37	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
18-19	0.39	0.54	0.37	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
19-20	0.38	0.54	0.37	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
20-21	0.38	0.53	0.36	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
21-22	0.38	0.53	0.37	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
22-23	0.37	0.52	0.38	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
23-24	0.37	0.52	0.38	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
TOTAL	9.45	12.87	8.99	13.02	0.0	-3.42	-3.42						

SHORTWAVE RADIATION (MJ/M**2)													
JULY 9		GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HR		(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)																
JULY 9		(SURFACE)				(30M)				(SURFACE)			(BLANK)			
HR		DOWNWARD	UPWARD	DOWNWARD	UPWARD	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)
0-1	:	0.37	0.52	0.37	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	:	0.37	0.52	0.37	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	:	0.37	0.52	0.37	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	:	0.37	0.52	0.37	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	:	0.37	0.52	0.38	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	:	0.37	0.52	0.38	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	:	0.37	0.52	0.37	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	:	0.37	0.52	0.36	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	:	0.37	0.52	0.36	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	:	0.37	0.52	0.36	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	:	0.36	0.51	0.35	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	:	0.36	0.51	0.35	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	:	0.36	0.51	0.36	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	:	0.36	0.51	0.36	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	:	0.37	0.51	0.37	0.52	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	:	0.37	0.51	0.37	0.52	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	:	0.37	0.51	0.36	0.52	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	:	0.36	0.50	0.36	0.52	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	:	0.38	0.51	0.38	0.52	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	:	0.39	0.51	0.37	0.52	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	:	0.37	0.51	0.36	0.53	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	:	0.37	0.51	0.35	0.53	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	:	0.38	0.52	0.35	0.53	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	:	0.38	0.52	0.35	0.53	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	:	8.88	12.34	8.72	12.56	0.0	-3.46	-3.46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SHORTWAVE RADIATION (MJ/M**2)													
JULY 10													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
JULY 10													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.38	0.53	0.38	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
1-2	0.37	0.52	0.36	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
2-3	0.37	0.52	0.36	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
3-4	0.37	0.52	0.36	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
4-5	0.38	0.53	0.36	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
5-6	0.38	0.53	0.34	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
6-7	0.38	0.53	0.34	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
7-8	0.38	0.53	0.34	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
8-9	0.38	0.53	0.34	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
9-10	0.38	0.53	0.34	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
10-11	0.38	0.53	0.34	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
11-12	0.38	0.54	0.34	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
12-13	0.39	0.54	0.35	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
13-14	0.37	0.54	0.35	0.55	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	
14-15	0.36	0.54	0.35	0.55	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	
15-16	0.36	0.54	0.35	0.55	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	
16-17	0.36	0.54	0.35	0.55	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	
17-18	0.36	0.54	0.35	0.55	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	
18-19	0.36	0.54	0.34	0.55	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	
19-20	0.36	0.54	0.34	0.55	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	
20-21	0.36	0.53	0.34	0.54	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	
21-22	0.36	0.53	0.34	0.54	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	
22-23	0.36	0.53	0.34	0.54	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	
23-24	0.36	0.53	0.34	0.54	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	
TOTAL	8.90	12.78	8.32	12.98	0.0	-3.89	-3.89						



SHORTWAVE RADIATION (MJ/M**2)													
JULY 11													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5- 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6- 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7- 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8- 9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

LONGWAVE RADIATION (MJ/M**2)													
JULY 11													
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.37	0.53	0.34	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
1- 2	0.37	0.53	0.34	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
2- 3	0.37	0.53	0.36	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
3- 4	0.37	0.53	0.36	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
4- 5	0.37	0.52	0.36	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
5- 6	0.37	0.52	0.36	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
6- 7	0.37	0.52	0.36	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
7- 8	0.37	0.52	0.36	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
8- 9	0.37	0.52	0.36	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
9-10	0.38	0.52	0.36	0.53	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
10-11	0.39	0.53	0.36	0.54	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
11-12	0.38	0.53	0.37	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
12-13	0.40	0.53	0.37	0.54	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
13-14	0.38	0.53	0.37	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
14-15	0.38	0.53	0.36	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
15-16	0.38	0.53	0.36	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
16-17	0.37	0.53	0.36	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
17-18	0.39	0.53	0.36	0.53	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
18-19	0.39	0.53	0.36	0.54	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
19-20	0.39	0.54	0.37	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
20-21	0.42	0.55	0.38	0.55	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
21-22	0.41	0.55	0.37	0.56	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
22-23	0.40	0.55	0.36	0.56	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
23-24	0.40	0.56	0.36	0.57	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
TOTAL	9.21	12.74	8.65	12.99	0.0	-3.53	-3.53	0.0	0.0	0.0	0.0		

SHORTWAVE RADIATION (MJ/M**2)												
JULY 12												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6- 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7- 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8- 9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LONGWAVE RADIATION (MJ/M**2)												
JULY 12												
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0- 1	0.41	0.56	0.37	0.57	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
1- 2	0.40	0.56	0.36	0.57	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
2- 3	0.40	0.55	0.36	0.56	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
3- 4	0.39	0.55	0.35	0.56	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0
4- 5	0.37	0.55	0.33	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
5- 6	0.37	0.55	0.33	0.55	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
6- 7	0.36	0.54	0.34	0.55	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
7- 8	0.36	0.54	0.34	0.54	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0
8- 9	0.36	0.53	0.34	0.54	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0
9-10	0.36	0.53	0.34	0.54	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
10-11	0.36	0.53	0.32	0.54	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
11-12	0.35	0.53	0.31	0.54	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
12-13	0.35	0.53	0.31	0.54	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0
13-14	0.33	0.53	0.32	0.54	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
14-15	0.34	0.52	0.33	0.53	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
15-16	0.33	0.52	0.33	0.53	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0
16-17	0.34	0.52	0.33	0.53	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
17-18	0.35	0.52	0.33	0.53	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
18-19	0.36	0.53	0.34	0.53	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0
19-20	0.37	0.53	0.35	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
20-21	0.37	0.53	0.35	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
21-22	0.38	0.58	0.34	0.53	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
22-23	0.38	0.53	0.34	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
23-24	0.39	0.53	0.35	0.53	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
TOTAL	8.78	12.89	8.11	13.01	0.0	-4.10	-4.10					

SHORTWAVE RADIATION (MJ/M**2)												
JULY 13												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LONGWAVE RADIATION (MJ/M**2)												
JULY 13												
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.38	0.53	0.34	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
1-2	0.38	0.53	0.34	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
2-3	0.38	0.53	0.34	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
3-4	0.38	0.53	0.34	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
4-5	0.38	0.53	0.34	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
5-6	0.38	0.53	0.35	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
6-7	0.37	0.53	0.35	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
7-8	0.37	0.53	0.35	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
8-9	0.37	0.53	0.35	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
9-10	0.37	0.52	0.35	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
10-11	0.37	0.52	0.34	0.53	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
11-12	0.36	0.53	0.33	0.53	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
12-13	0.34	0.52	0.32	0.52	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
13-14	0.34	0.52	0.32	0.52	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
14-15	0.34	0.52	0.32	0.52	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
15-16	0.34	0.52	0.32	0.52	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
16-17	0.34	0.51	0.33	0.51	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
17-18	0.36	0.51	0.34	0.51	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
18-19	0.36	0.51	0.34	0.52	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
19-20	0.35	0.51	0.33	0.51	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
20-21	0.35	0.51	0.32	0.51	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
21-22	0.36	0.51	0.34	0.51	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
22-23	0.36	0.51	0.34	0.51	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
23-24	0.36	0.51	0.34	0.51	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
TOTAL	8.69	12.48	8.06	12.58	0.0	-3.79	-3.79	0.0	0.0	0.0	0.0	

JULY 14													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL(SURFACE)				REFLECTED(SURFACE)				GLOBAL(30M)		REFLECTED(30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5- 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6- 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7- 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8- 9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

JULY 14													
LONGWAVE RADIATION (MJ/M**2)					NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)		
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL						
0- 1	0.36	0.51	0.33	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
1- 2	0.36	0.51	0.33	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
2- 3	0.35	0.51	0.33	0.52	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
3- 4	0.33	0.51	0.32	0.52	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
4- 5	0.34	0.51	0.33	0.52	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
5- 6	0.35	0.51	0.34	0.51	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
6- 7	0.33	0.50	0.33	0.52	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
7- 8	0.33	0.51	0.32	0.51	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
8- 9	0.34	0.50	0.33	0.50	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
9-10	0.35	0.50	0.33	0.51	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
10-11	0.34	0.49	0.33	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
11-12	0.34	0.49	0.34	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
12-13	0.34	0.49	0.33	0.49	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
13-14	0.34	0.49	0.33	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
14-15	0.34	0.50	0.33	0.51	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
15-16	0.35	0.50	0.34	0.51	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
16-17	0.35	0.50	0.34	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
17-18	0.35	0.50	0.34	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
18-19	0.36	0.51	0.33	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
19-20	0.36	0.51	0.33	0.51	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
20-21	0.35	0.51	0.33	0.51	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
21-22	0.36	0.51	0.33	0.51	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
22-23	0.36	0.51	0.34	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
23-24	0.36	0.52	0.34	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
TOTAL	8.33	12.10	7.98	12.29	0.0	-3.76	-3.76						

JULY 15		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5- 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6- 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7- 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8- 9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

JULY 15		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	TOTAL					
0- 1	0.36	0.52	0.34	0.53	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
1- 2	0.36	0.52	0.33	0.53	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
2- 3	0.36	0.52	0.33	0.53	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
3- 4	0.36	0.52	0.33	0.52	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
4- 5	0.36	0.52	0.34	0.53	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
5- 6	0.36	0.53	0.34	0.54	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
6- 7	0.36	0.53	0.34	0.54	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
7- 8	0.36	0.53	0.33	0.53	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
8- 9	0.36	0.53	0.34	0.54	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
9-10	0.36	0.53	0.34	0.54	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
10-11	0.36	0.53	0.34	0.53	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
11-12	0.35	0.53	0.34	0.54	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
12-13	0.36	0.54	0.34	0.54	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
13-14	0.35	0.54	0.33	0.53	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	
14-15	0.33	0.53	0.33	0.53	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
15-16	0.33	0.54	0.34	0.54	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
16-17	0.33	0.53	0.34	0.54	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
17-18	0.33	0.53	0.34	0.53	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
18-19	0.35	0.53	0.34	0.54	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
19-20	0.34	0.53	0.35	0.54	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	
20-21	0.35	0.53	0.34	0.54	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
21-22	0.35	0.53	0.34	0.54	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
22-23	0.34	0.53	0.35	0.55	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	
23-24	0.34	0.53	0.35	0.54	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	
TOTAL	8.40	12.69	8.15	12.88	0.0	-4.29	-4.29	0.0	0.0	0.0	0.0	

SHORTWAVE RADIATION (MJ/M**2)													
JULY 16													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
JULY 16													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.34	0.53	0.36	0.55	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
1-2	0.33	0.53	0.36	0.55	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
2-3	0.33	0.52	0.36	0.55	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
3-4	0.33	0.52	0.35	0.55	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
4-5	0.33	0.51	0.35	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
5-6	0.33	0.51	0.34	0.54	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
6-7	0.33	0.52	0.35	0.54	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
7-8	0.34	0.53	0.35	0.55	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
8-9	0.34	0.52	0.35	0.55	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
9-10	0.37	0.55	0.38	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
10-11	0.41	0.55	0.42	0.57	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
11-12	0.58	0.57	0.60	0.59	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
12-13	0.50	0.57	0.52	0.57	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0		
13-14	0.40	0.56	0.41	0.56	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
14-15	0.40	0.55	0.41	0.56	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
15-16	0.40	0.55	0.41	0.56	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
16-17	0.40	0.55	0.40	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
17-18	0.43	0.55	0.44	0.55	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
18-19	0.42	0.56	0.43	0.56	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
19-20	0.48	0.56	0.49	0.57	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
20-21	0.45	0.56	0.46	0.57	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
21-22	0.54	0.57	0.55	0.59	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
22-23	0.43	0.57	0.43	0.57	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
23-24	0.41	0.56	0.40	0.56	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
TOTAL	9.63	13.10	9.90	13.39	0.0	-3.47	-3.47						

JULY 17		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

JULY 17		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	TOTAL					
0-1	0.50	0.56	0.50	0.56	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	
1-2	0.49	0.57	0.50	0.58	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	
2-3	0.46	0.56	0.47	0.57	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
3-4	0.46	0.56	0.47	0.57	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
4-5	0.52	0.56	0.53	0.57	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	
5-6	0.45	0.56	0.46	0.57	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
6-7	0.42	0.55	0.42	0.57	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
7-8	0.40	0.55	0.41	0.56	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
8-9	0.39	0.55	0.41	0.56	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
9-10	0.39	0.54	0.41	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
10-11	0.39	0.54	0.41	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
11-12	0.39	0.54	0.40	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
12-13	0.39	0.54	0.40	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
13-14	0.39	0.54	0.39	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
14-15	0.38	0.54	0.38	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
15-16	0.39	0.54	0.38	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
16-17	0.38	0.54	0.38	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
17-18	0.38	0.53	0.38	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
18-19	0.36	0.53	0.38	0.53	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
19-20	0.35	0.53	0.37	0.52	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
20-21	0.35	0.53	0.37	0.52	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
21-22	0.35	0.53	0.37	0.52	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
22-23	0.35	0.53	0.37	0.52	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
23-24	0.33	0.51	0.35	0.54	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
TOTAL	9.68	13.01	9.91	13.05	0.0	-3.33	-3.33	0.0	0.0	0.0	0.0	

SHORTWAVE RADIATION (MJ/M**2)													
JULY 18													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
JULY 18													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.35	0.50	0.36	0.52	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
1-2	0.35	0.50	0.37	0.53	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
2-3	0.34	0.51	0.36	0.53	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
3-4	0.36	0.51	0.36	0.52	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
4-5	0.36	0.51	0.37	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
5-6	0.36	0.51	0.38	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
6-7	0.35	0.51	0.37	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
7-8	0.35	0.51	0.37	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
8-9	0.36	0.51	0.38	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
9-10	0.36	0.51	0.39	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
10-11	0.36	0.51	0.39	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
11-12	0.36	0.51	0.39	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
12-13	0.36	0.51	0.39	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
13-14	0.37	0.51	0.40	0.56	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
14-15	0.36	0.51	0.39	0.56	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
15-16	0.36	0.51	0.39	0.57	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
16-17	0.38	0.51	0.40	0.57	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
17-18	0.38	0.51	0.40	0.56	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
18-19	0.39	0.51	0.40	0.56	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
19-20	0.39	0.51	0.40	0.57	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
20-21	0.39	0.51	0.41	0.56	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
21-22	0.38	0.51	0.40	0.56	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
22-23	0.43	0.52	0.45	0.56	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
23-24	0.47	0.52	0.51	0.61	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
TOTAL	8.91	12.25	9.40	13.14	0.0	-3.34	-3.34	0.0	0.0	0.0	0.0		



JULY 19													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6- 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7- 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8- 9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

JULY 19													
LONGWAVE RADIATION (MJ/M**2)													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	(SURFACE) LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.38	0.51	0.49	0.59	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
1- 2	0.38	0.50	0.51	0.58	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	
2- 3	0.43	0.52	0.55	0.60	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	
3- 4	0.46	0.53	0.58	0.60	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	
4- 5	0.53	0.53	0.61	0.61	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0	
5- 6	0.52	0.54	0.60	0.61	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	
6- 7	0.57	0.55	0.61	0.61	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0	
7- 8	0.53	0.56	0.60	0.62	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	
8- 9	0.40	0.53	0.55	0.61	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
9-10	0.41	0.53	0.56	0.61	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	
10-11	0.43	0.54	0.57	0.61	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	
11-12	0.39	0.53	0.55	0.60	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	
12-13	0.43	0.53	0.57	0.60	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
13-14	0.43	0.52	0.57	0.60	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	
14-15	0.44	0.51	0.59	0.60	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	
15-16	0.44	0.51	0.58	0.61	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	
16-17	0.46	0.51	0.58	0.61	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	
17-18	0.45	0.51	0.58	0.61	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	
18-19	0.45	0.51	0.60	0.63	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	
19-20	0.50	0.51	0.62	0.64	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0	
20-21	0.53	0.52	0.64	0.64	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0	
21-22	0.53	0.53	0.63	0.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.53	0.53	0.62	0.64	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	0.0	
23-24	0.51	0.53	0.64	0.64	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	
TOTAL	11.15	12.59	13.99	14.71	0.0	-1.44	-1.44						

SHORTWAVE RADIATION (MJ/M**2)												
JULY 20												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6- 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7- 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8- 9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.0

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
JULY 20												
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0- 1	0.53	0.53	0.65	0.65	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	0.0
1- 2	0.54	0.54	0.64	0.65	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	0.0
2- 3	0.50	0.54	0.62	0.64	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0
3- 4	0.49	0.53	0.61	0.64	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0
4- 5	0.52	0.53	0.61	0.64	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0
5- 6	0.48	0.53	0.61	0.63	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0
6- 7	0.43	0.51	0.57	0.62	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0
7- 8	0.42	0.50	0.57	0.62	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0
8- 9	0.41	0.49	0.59	0.62	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0
9-10	0.40	0.48	0.59	0.62	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0
10-11	0.38	0.48	0.46	0.56	0.01	-0.10	-0.09	0.0	0.0	0.0	0.0	0.0
11-12	0.32	0.47	0.43	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
12-13	0.33	0.46	0.46	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0
13-14	0.34	0.46	0.48	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0
14-15	0.33	0.46	0.51	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0
15-16	0.33	0.46	0.53	0.55	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0
16-17	0.33	0.46	0.54	0.56	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0
17-18	0.33	0.46	0.54	0.57	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0
18-19	0.33	0.46	0.56	0.57	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0
19-20	0.33	0.46	0.55	0.56	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0
20-21	0.33	0.46	0.55	0.57	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0
21-22	0.32	0.47	0.55	0.57	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
22-23	0.32	0.47	0.55	0.58	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
23-24	0.32	0.47	0.55	0.57	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
TOTAL	9.36	11.66	13.31	14.10	0.01	-2.31	-2.30					

SHORTWAVE RADIATION (MJ/M**2)													
JULY 21													
HOUR	GLOBAL(SURFACE)				REFLECTED(SURFACE)				GLOBAL(30M)		REFLECTED(30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6- 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7- 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8- 9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)																
JULY 21																
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)			(530)		(630)		(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	(BLANK)	(530)	(630)	(695)	
0- 1	0.32	0.47	0.53	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.32	0.47	0.52	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.32	0.47	0.49	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.34	0.47	0.46	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5	0.35	0.47	0.40	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5- 6	0.35	0.47	0.36	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6- 7	0.35	0.47	0.35	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7- 8	0.35	0.47	0.36	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8- 9	0.35	0.47	0.35	0.52	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.35	0.47	0.34	0.52	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.35	0.47	0.35	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.35	0.48	0.35	0.52	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.35	0.48	0.35	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.34	0.48	0.36	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.33	0.48	0.35	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.34	0.48	0.36	0.52	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.36	0.49	0.37	0.52	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.37	0.49	0.38	0.52	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.39	0.50	0.41	0.52	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.41	0.50	0.42	0.52	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.44	0.51	0.44	0.52	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.48	0.52	0.49	0.53	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.54	0.53	0.54	0.55	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.55	0.55	0.57	0.56	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	8.97	11.68	9.91	12.74	0.0	-2.71	-2.71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

JULY 22		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

JULY 22		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE						
0-1	0.58	0.57	0.58	0.58	0.0	0.01	0.01	0.0	0.0	0.0	0.0	
1-2	0.58	0.58	0.59	0.59	0.0	0.00	0.00	0.0	0.0	0.0	0.0	
2-3	0.59	0.59	0.60	0.60	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
3-4	0.60	0.60	0.62	0.61	0.0	0.01	0.01	0.0	0.0	0.0	0.0	
4-5	0.63	0.61	0.64	0.62	0.0	0.02	0.02	0.0	0.0	0.0	0.0	
5-6	0.65	0.62	0.67	0.62	0.0	0.03	0.03	0.0	0.0	0.0	0.0	
6-7	0.64	0.63	0.65	0.63	0.0	0.01	0.01	0.0	0.0	0.0	0.0	
7-8	0.67	0.64	0.69	0.64	0.0	0.03	0.03	0.0	0.0	0.0	0.0	
8-9	0.67	0.65	0.68	0.66	0.0	0.01	0.01	0.0	0.0	0.0	0.0	
9-10	0.68	0.66	0.69	0.67	0.0	0.02	0.02	0.0	0.0	0.0	0.0	
10-11	0.68	0.67	0.68	0.67	0.0	0.01	0.01	0.0	0.0	0.0	0.0	
11-12	0.68	0.67	0.69	0.68	0.0	0.01	0.01	0.0	0.0	0.0	0.0	
12-13	0.68	0.68	0.68	0.68	0.0	0.01	0.01	0.0	0.0	0.0	0.0	
13-14	0.68	0.69	0.68	0.69	0.0	0.00	0.00	0.0	0.0	0.0	0.0	
14-15	0.70	0.69	0.70	0.70	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
15-16	0.69	0.70	0.70	0.70	0.0	0.01	0.01	0.0	0.0	0.0	0.0	
16-17	0.70	0.70	0.70	0.70	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
17-18	0.70	0.70	0.70	0.70	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
18-19	0.69	0.69	0.69	0.70	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
19-20	0.69	0.70	0.69	0.70	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
20-21	0.70	0.71	0.71	0.71	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	
21-22	0.71	0.71	0.71	0.71	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
22-23	0.71	0.71	0.71	0.71	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
23-24	0.72	0.72	0.72	0.72	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
TOTAL	16.00	15.88	16.18	15.97	0.0	0.13	0.13	0.0	0.0	0.0	0.0	

SHORTWAVE RADIATION (MJ/M**2)													
JULY 23													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

LONGWAVE RADIATION (MJ/M**2)													
JULY 23													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.72	0.72	0.72	0.72	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0		
1-2	0.72	0.72	0.72	0.72	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0		
2-3	0.73	0.73	0.73	0.73	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0		
3-4	0.72	0.73	0.72	0.73	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0		
4-5	0.72	0.73	0.73	0.73	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0		
5-6	0.72	0.73	0.72	0.73	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
6-7	0.72	0.74	0.71	0.73	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
7-8	0.72	0.73	0.71	0.73	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
8-9	0.72	0.73	0.70	0.73	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
9-10	0.69	0.72	0.68	0.72	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
10-11	0.68	0.71	0.68	0.71	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
11-12	0.66	0.70	0.66	0.70	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
12-13	0.62	0.69	0.62	0.69	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
13-14	0.62	0.68	0.62	0.67	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
14-15	0.62	0.67	0.62	0.67	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
15-16	0.58	0.66	0.58	0.66	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
16-17	0.58	0.65	0.58	0.65	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
17-18	0.58	0.65	0.58	0.65	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
18-19	0.57	0.65	0.57	0.65	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0		
19-20	0.50	0.64	0.50	0.64	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
20-21	0.50	0.63	0.51	0.63	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
21-22	0.54	0.62	0.54	0.63	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
22-23	0.49	0.62	0.49	0.63	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0		
23-24	0.46	0.60	0.47	0.61	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
TOTAL	15.18	16.44	15.14	16.45	0.0	-0.15	-1.26	0.0	0.0	0.0	0.0		

SHORTWAVE RADIATION (MJ/M**2)													
JULY 24													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6- 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7- 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8- 9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.00	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.00	0.0	0.0

LONGWAVE RADIATION (MJ/M**2)    NET RADIATION (MJ/M**2)    DIRECT RADIATION (Kw/M**2)													
JULY 24													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.40	0.58	0.41	0.60	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	
1- 2	0.36	0.57	0.38	0.59	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	
2- 3	0.42	0.57	0.43	0.59	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
3- 4	0.45	0.57	0.46	0.59	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	
4- 5	0.39	0.56	0.40	0.56	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	
5- 6	0.38	0.55	0.39	0.56	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	
6- 7	0.37	0.54	0.39	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	
7- 8	0.36	0.54	0.37	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	
8- 9	0.35	0.53	0.36	0.55	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	
9-10	0.33	0.51	0.35	0.53	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	
10-11	0.33	0.50	0.33	0.51	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	
11-12	0.32	0.50	0.33	0.50	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	
12-13	0.33	0.49	0.33	0.49	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	
13-14	0.33	0.48	0.33	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
14-15	0.33	0.48	0.33	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
15-16	0.31	0.49	0.33	0.49	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	
16-17	0.32	0.49	0.32	0.49	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	
17-18	0.31	0.49	0.33	0.49	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	
18-19	0.31	0.49	0.33	0.49	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	
19-20	0.31	0.49	0.33	0.49	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	
20-21	0.31	0.49	0.32	0.49	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	
21-22	0.32	0.49	0.32	0.50	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	
22-23	0.32	0.49	0.32	0.50	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	
23-24	0.32	0.50	0.33	0.51	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	
TOTAL	8.28	12.38	8.52	12.64	0.0	-4.10	-4.10						

SHORTWAVE RADIATION (MJ/M**2)													
JULY 25													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5- 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6- 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7- 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8- 9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0	
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.04	0.0	0.0	0.0	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
JULY 25													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.32	0.50	0.32	0.51	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
1- 2	0.32	0.49	0.33	0.51	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
2- 3	0.32	0.49	0.33	0.52	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
3- 4	0.32	0.49	0.33	0.52	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
4- 5	0.31	0.49	0.33	0.52	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
5- 6	0.31	0.49	0.33	0.52	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
6- 7	0.31	0.48	0.33	0.50	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
7- 8	0.32	0.48	0.34	0.51	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
8- 9	0.33	0.48	0.35	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
9-10	0.34	0.49	0.35	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
10-11	0.35	0.50	0.35	0.54	0.01	-0.15	-0.15	0.0	0.0	0.0	0.0		
11-12	0.37	0.51	0.38	0.53	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
12-13	0.41	0.52	0.42	0.54	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
13-14	0.44	0.53	0.45	0.54	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0		
14-15	0.46	0.54	0.47	0.56	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
15-16	0.52	0.55	0.52	0.56	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
16-17	0.54	0.57	0.55	0.58	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
17-18	0.58	0.58	0.58	0.60	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0		
18-19	0.59	0.59	0.60	0.60	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0		
19-20	0.62	0.60	0.62	0.61	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
20-21	0.63	0.62	0.64	0.62	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
21-22	0.65	0.63	0.65	0.63	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
22-23	0.64	0.64	0.65	0.64	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
23-24	0.66	0.65	0.67	0.65	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
TOTAL	10.66	12.91	10.88	13.38	0.01	-2.25	-2.24						

SHORTWAVE RADIATION (MJ/M**2)													
JULY 26	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	HOURL	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0
12-13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)															
JULY 26	(SURFACE)				(30M)				(SURFACE)			(BLANK)			
	HOURL	DOWNWARD	UPWARD	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.68	0.66	0.68	0.66	0.0	0.02	0.02	0.0	0.02	0.02	0.0	0.0	0.0	0.0	
1-2	0.68	0.66	0.68	0.66	0.0	0.02	0.02	0.0	0.02	0.02	0.0	0.0	0.0	0.0	
2-3	0.68	0.67	0.69	0.67	0.0	0.01	0.01	0.0	0.01	0.01	0.0	0.0	0.0	0.0	
3-4	0.70	0.68	0.70	0.68	0.0	0.01	0.01	0.0	0.01	0.01	0.0	0.0	0.0	0.0	
4-5	0.71	0.70	0.72	0.70	0.0	0.01	0.01	0.0	0.01	0.01	0.0	0.0	0.0	0.0	
5-6	0.72	0.72	0.72	0.72	0.0	-0.00	-0.00	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
6-7	0.73	0.73	0.74	0.73	0.0	-0.00	-0.00	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
7-8	0.74	0.74	0.74	0.74	0.0	-0.00	-0.00	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
8-9	0.75	0.75	0.75	0.75	0.0	-0.00	-0.00	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
9-10	0.74	0.75	0.74	0.75	0.0	-0.01	-0.01	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	
10-11	0.74	0.75	0.74	0.75	0.0	-0.01	-0.01	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	
11-12	0.75	0.75	0.75	0.75	0.0	-0.00	-0.00	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
12-13	0.74	0.76	0.74	0.76	0.0	-0.01	-0.01	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	
13-14	0.74	0.75	0.74	0.75	0.0	-0.01	-0.01	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	
14-15	0.73	0.76	0.74	0.76	0.0	-0.02	-0.02	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	
15-16	0.77	0.77	0.76	0.77	0.0	-0.00	-0.00	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
16-17	0.74	0.77	0.73	0.77	0.0	-0.03	-0.03	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	
17-18	0.65	0.76	0.61	0.77	0.0	-0.12	-0.12	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
18-19	0.67	0.76	0.64	0.76	0.0	-0.09	-0.09	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
19-20	0.71	0.77	0.69	0.77	0.0	-0.06	-0.06	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	
20-21	0.56	0.74	0.54	0.74	0.0	-0.18	-0.18	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
21-22	0.69	0.75	0.69	0.75	0.0	-0.06	-0.06	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	
22-23	0.66	0.75	0.66	0.75	0.0	-0.09	-0.09	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
23-24	0.75	0.76	0.76	0.77	0.0	-0.01	-0.01	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	
TOTAL	17.01	17.65	16.95	17.70	0.0	-0.65	-0.65								





SHORTWAVE RADIATION (MJ/M**2)													
JULY 28													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	0.00	0.0	
11-12	0.02	0.01	0.00	0.0	0.02	0.00	0.0	0.0	0.10	0.07	0.04	0.02	
12-13	0.03	0.03	0.02	0.0	0.03	0.01	0.0	0.0	0.14	0.12	0.05	0.03	
13-14	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.03	0.01	0.01	0.01	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.05	0.05	0.02	0.0	0.05	0.01	0.0	0.0	0.28	0.21	0.11	0.05	

LONGWAVE RADIATION (MJ/M**2) ; NET RADIATION (MJ/M**2) ; DIRECT RADIATION (KW/M**2)													
JULY 28													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.58	0.64	0.58	0.64	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
1-2	0.54	0.63	0.54	0.63	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
2-3	0.47	0.60	0.47	0.63	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
3-4	0.37	0.57	0.39	0.60	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
4-5	0.36	0.55	0.38	0.59	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
5-6	0.36	0.54	0.38	0.58	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
6-7	0.36	0.55	0.41	0.58	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
7-8	0.37	0.55	0.44	0.58	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
8-9	0.37	0.54	0.47	0.59	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
9-10	0.37	0.54	0.50	0.60	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
10-11	0.37	0.54	0.51	0.60	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
11-12	0.36	0.53	0.53	0.61	0.0	-0.18	-0.18	0.006	0.004	0.003	0.004		
12-13	0.35	0.53	0.54	0.60	0.01	-0.18	-0.17	0.068	0.042	0.033	0.043		
13-14	0.35	0.53	0.48	0.59	0.0	-0.18	-0.18	0.003	0.001	0.001	0.001		
14-15	0.36	0.53	0.52	0.60	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
15-16	0.36	0.53	0.55	0.62	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
16-17	0.37	0.53	0.54	0.59	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
17-18	0.38	0.53	0.52	0.57	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
18-19	0.38	0.53	0.50	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
19-20	0.38	0.53	0.49	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
20-21	0.39	0.54	0.48	0.56	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
21-22	0.41	0.54	0.48	0.56	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
22-23	0.42	0.55	0.48	0.56	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
23-24	0.43	0.55	0.48	0.56	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
TOTAL	9.43	13.20	11.67	14.15	0.01	-3.76	-3.76						

SHORTWAVE RADIATION (MJ/M**2)													
JULY 29													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6- 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7- 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8- 9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.01	0.00	0.0	0.0	0.02	0.0	0.0	0.0	0.03	0.0	0.02	0.0	0.0
12-13	0.02	0.01	0.0	0.0	0.03	0.0	0.0	0.0	0.03	0.0	0.02	0.0	0.0
13-14	0.00	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.03	0.01	0.0	0.0	0.05	0.0	0.0	0.0	0.06	0.0	0.04	0.0	0.0

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
JULY 29													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(530)	(630)	(695)	(695)	(695)	(695)
0- 1	0.43	0.55	0.49	0.57	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.43	0.56	0.49	0.57	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.43	0.56	0.49	0.57	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.44	0.56	0.49	0.57	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.44	0.56	0.48	0.57	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.45	0.57	0.49	0.58	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	0.0
6- 7	0.46	0.58	0.51	0.59	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	0.0
7- 8	0.48	0.60	0.54	0.61	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	0.0
8- 9	0.49	0.61	0.56	0.63	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.55	0.62	0.60	0.65	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.63	0.65	0.66	0.67	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.65	0.67	0.67	0.68	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.63	0.67	0.65	0.68	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.61	0.67	0.64	0.68	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.60	0.67	0.63	0.68	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.57	0.65	0.60	0.67	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.54	0.64	0.58	0.66	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.54	0.64	0.57	0.66	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.52	0.62	0.55	0.64	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.55	0.63	0.56	0.63	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.44	0.60	0.45	0.61	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.41	0.59	0.42	0.59	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.38	0.57	0.40	0.58	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.39	0.56	0.41	0.57	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	12.05	14.60	12.93	14.91	0.0	-2.55	-2.55						

JULY 30													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.02	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.04	0.07	0.01	0.00	
11-12	0.02	0.02	0.01	0.0	0.03	0.01	0.00	0.0	0.05	0.02	0.04	0.01	
12-13	0.02	0.02	0.01	0.0	0.03	0.01	0.0	0.0	0.06	0.03	0.04	0.01	
13-14	0.00	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.02	0.0	0.01	0.0	
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.07	0.03	0.02	0.0	0.07	0.02	0.00	0.0	0.17	0.12	0.10	0.03	

JULY 30													
LONGWAVE RADIATION (MJ/M**2)					NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		(BLANK)	(530)	(630)	(695)		
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	TOTAL						
0-1	0.45	0.56	0.45	0.56	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
1-2	0.48	0.56	0.48	0.56	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
2-3	0.41	0.55	0.42	0.55	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
3-4	0.35	0.53	0.37	0.53	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
4-5	0.32	0.52	0.34	0.53	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0		
5-6	0.32	0.52	0.33	0.52	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
6-7	0.33	0.51	0.35	0.51	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
7-8	0.31	0.50	0.34	0.51	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
8-9	0.30	0.50	0.34	0.51	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
9-10	0.31	0.50	0.36	0.51	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
10-11	0.31	0.49	0.38	0.51	0.01	-0.18	-0.17	0.001	0.001	0.000	0.001		
11-12	0.35	0.49	0.42	0.52	0.0	-0.13	-0.13	0.008	0.006	0.003	0.005		
12-13	0.32	0.49	0.42	0.52	0.0	-0.17	-0.17	0.015	0.010	0.006	0.010		
13-14	0.32	0.48	0.43	0.53	0.0	-0.16	-0.16	0.000	0.0	0.0	0.0		
14-15	0.33	0.48	0.44	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
15-16	0.30	0.47	0.44	0.54	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
16-17	0.31	0.47	0.46	0.54	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
17-18	0.32	0.47	0.47	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
18-19	0.35	0.47	0.48	0.54	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
19-20	0.35	0.47	0.48	0.55	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
20-21	0.37	0.48	0.50	0.55	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
21-22	0.35	0.48	0.50	0.55	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
22-23	0.37	0.47	0.50	0.56	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
23-24	0.38	0.48	0.51	0.57	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
TOTAL	8.31	11.92	10.21	12.86	0.01	-3.62	-3.60	0.0	0.0	0.0	0.0		

SHORTWAVE RADIATION (MJ/M**2)													
JULY 31													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6- 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7- 8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8- 9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0
11-12	0.02	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.03	0.0	0.02	0.0	0.0
12-13	0.02	0.0	0.0	0.0	0.03	0.0	0.0	0.0	0.03	0.0	0.03	0.0	0.0
13-14	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.0
14-15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.04	0.0	0.0	0.0	0.06	0.0	0.0	0.0	0.07	0.0	0.05	0.0	0.0

LONGWAVE RADIATION (MJ/M**2)													
JULY 31													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)				DIRECT RADIATION (KW/M**2)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	(SURFACE) LONGWAVE	TOTAL	'BLANK)	(530)	(630)	(695)		
0- 1	0.37	0.48	0.51	0.58	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.38	0.48	0.51	0.57	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.42	0.48	0.53	0.58	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.41	0.49	0.53	0.59	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.36	0.49	0.52	0.59	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.38	0.49	0.52	0.58	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	0.0
6- 7	0.39	0.49	0.53	0.58	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	0.0
7- 8	0.40	0.49	0.53	0.58	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	0.0
8- 9	0.39	0.50	0.50	0.56	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.40	0.50	0.50	0.55	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.44	0.54	0.50	0.54	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	0.0
11-12	0.43	0.58	0.49	0.54	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	0.0
12-13	0.38	0.51	0.48	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0
13-14	0.40	0.53	0.50	0.54	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	0.0
14-15	0.45	0.51	0.51	0.54	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.47	0.56	0.50	0.53	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.47	0.51	0.50	0.52	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.48	0.52	0.51	0.52	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.48	0.52	0.50	0.52	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.47	0.51	0.58	0.58	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.46	0.51	0.61	0.53	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.44	0.51	0.48	0.51	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.43	0.50	0.47	0.51	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.40	0.50	0.45	0.50	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	10.09	12.20	12.27	13.17	0.0	-2.11	-2.11						

SHORTWAVE RADIATION (MJ/M**2)												
AUG. 1	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.00	0.00	0.0	9.99	0.01	0.0	0.0	0.0	0.02	0.0	0.00	0.0
11-12	0.03	0.02	0.01	9.99	0.03	0.01	0.0	0.0	0.03	0.01	0.03	0.0
12-13	0.03	0.03	0.01	9.99	0.03	0.01	0.0	0.0	0.03	0.01	0.03	0.0
13-14	0.02	0.01	0.0	9.99	0.01	0.0	0.0	0.0	0.02	0.0	0.01	0.0
14-15	0.03	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0
15-16	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.01	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.11	0.06	0.03	99.99	0.07	0.02	0.0	0.0	0.13	0.01	0.07	0.0

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
AUG. 1	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
HR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.38	0.50	0.44	0.51	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
1-2	0.38	0.51	0.43	0.51	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
2-3	0.38	0.51	0.44	0.51	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
3-4	0.40	0.51	0.44	0.51	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
4-5	0.39	0.51	0.52	0.54	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
5-6	0.40	0.54	0.44	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
6-7	0.42	0.52	0.65	0.59	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
7-8	0.44	0.52	0.47	0.53	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
8-9	0.46	0.52	0.47	0.53	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	
9-10	0.42	0.52	0.45	0.52	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
10-11	0.44	0.52	0.47	0.52	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
11-12	0.45	0.53	0.48	0.53	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
12-13	0.41	0.53	0.46	0.53	0.00	-0.11	-0.11	0.0	0.0	0.0	0.0	
13-14	0.45	0.52	0.47	0.53	0.01	-0.08	-0.07	0.0	0.0	0.0	0.0	
14-15	0.46	0.53	0.49	0.53	0.03	-0.06	-0.03	0.0	0.0	0.0	0.0	
15-16	0.41	0.53	0.45	0.53	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
16-17	0.39	0.52	0.43	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
17-18	0.37	0.52	0.42	0.52	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
18-19	0.36	0.51	0.41	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
19-20	0.37	0.51	0.41	0.51	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
20-21	0.36	0.50	0.41	0.51	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
21-22	0.37	0.51	0.41	0.51	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
22-23	0.38	0.51	0.45	0.57	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
23-24	0.37	0.50	0.40	0.50	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
TOTAL	9.66	12.39	10.90	12.65	0.04	-2.73	-2.68					

AUG. 2													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.00	0.0	0.0	9.99	0.01	0.0	0.0	0.0	0.02	0.0	0.00	0.0	
11-12	0.04	0.02	0.02	9.99	0.04	0.02	0.01	0.00	0.07	0.03	0.04	0.01	
12-13	0.05	0.03	0.03	9.99	0.05	0.03	0.02	0.01	0.10	0.05	0.05	0.03	
13-14	0.02	0.02	0.01	9.99	0.02	0.01	0.0	0.0	0.04	0.02	0.03	0.00	
14-15	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.11	0.07	0.05	99.99	0.12	0.06	0.03	0.01	0.24	0.10	0.12	0.04	

AUG. 2													
LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.37	0.50	0.40	0.51	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
1-2	0.37	0.50	0.41	0.50	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
2-3	0.36	0.50	0.40	0.50	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
3-4	0.35	0.50	0.40	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
4-5	0.34	0.49	0.40	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
5-6	0.42	0.50	0.45	0.50	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
6-7	0.38	0.50	0.41	0.50	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
7-8	0.33	0.50	0.39	0.50	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
8-9	0.31	0.49	0.37	0.49	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
9-10	0.32	0.48	0.37	0.49	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
10-11	0.30	0.48	0.38	0.48	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
11-12	0.30	0.47	0.37	0.48	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
12-13	0.29	0.47	0.37	0.48	0.00	-0.18	-0.18	0.0	0.0	0.0	0.0		
13-14	0.29	0.47	0.37	0.47	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
14-15	0.31	0.47	0.37	0.47	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
15-16	0.31	0.46	0.37	0.47	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
16-17	0.31	0.46	0.36	0.47	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
17-18	0.31	0.46	0.36	0.47	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
18-19	0.31	0.46	0.37	0.47	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
19-20	0.31	0.47	0.37	0.47	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
20-21	0.32	0.47	0.37	0.47	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
21-22	0.32	0.47	0.38	0.48	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
22-23	0.32	0.48	0.38	0.48	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
23-24	0.33	0.48	0.39	0.49	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
TOTAL	7.89	11.52	9.20	11.63	0.00	-3.63	-3.63						

AUG. 3 : SHORTWAVE RADIATION (MJ/M**2)												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6- 7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7- 8	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8- 9	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.02	0.0	0.0	0.0
10-11	0.06	0.08	0.01	9.99	0.02	0.01	0.00	0.0	0.07	0.05	0.02	0.01
11-12	0.05	0.04	0.03	9.99	0.05	0.03	0.03	0.02	0.14	0.08	0.07	0.04
12-13	0.06	0.05	0.04	9.99	0.05	0.03	0.03	0.03	0.15	0.09	0.08	0.05
13-14	0.04	0.03	0.02	9.99	0.04	0.02	0.01	0.01	0.07	0.04	0.04	0.02
14-15	0.01	0.0	0.0	9.99	0.00	0.0	0.0	0.0	0.02	0.0	0.00	0.0
15-16	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.22	0.21	0.10	99.99	0.16	0.09	0.07	0.06	0.45	0.26	0.22	0.11

AUG. 3 : LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0- 1	0.33	0.48	0.39	0.49	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
1- 2	0.34	0.49	0.39	0.49	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
2- 3	0.35	0.49	0.40	0.50	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
3- 4	0.34	0.49	0.40	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
4- 5	0.34	0.49	0.38	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
5- 6	0.35	0.50	0.38	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
6- 7	0.35	0.50	0.38	0.51	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
7- 8	0.35	0.50	0.44	0.54	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
8- 9	0.36	0.51	0.40	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
9-10	0.35	0.52	0.40	0.53	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
10-11	0.35	0.52	0.41	0.54	0.04	-0.17	-0.13	0.0	0.0	0.0	0.0	
11-12	0.33	0.53	0.41	0.54	0.00	-0.20	-0.20	0.0	0.0	0.0	0.0	
12-13	0.33	0.53	0.41	0.55	0.01	-0.20	-0.19	0.0	0.0	0.0	0.0	
13-14	0.34	0.54	0.41	0.55	0.00	-0.20	-0.20	0.0	0.0	0.0	0.0	
14-15	0.36	0.54	0.41	0.56	0.00	-0.18	-0.18	0.0	0.0	0.0	0.0	
15-16	0.35	0.55	0.41	0.56	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
16-17	0.34	0.55	0.41	0.56	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
17-18	0.32	0.53	0.40	0.56	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	
18-19	0.33	0.54	0.38	0.55	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	
19-20	0.33	0.53	0.39	0.54	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	
20-21	0.33	0.52	0.39	0.54	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
21-22	0.32	0.52	0.38	0.53	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
22-23	0.33	0.52	0.39	0.53	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	
23-24	0.32	0.52	0.39	0.53	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	
TOTAL	8.14	12.41	9.55	12.74	0.06	-4.27	-4.22					



SHORTWAVE RADIATION (MJ/M**2)													
AUG. 4													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5- 6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6- 7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7- 8	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8- 9	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	0.00	0.0	0.0	9.99	0.01	0.0	0.0	0.0	0.02	0.0	0.0	0.0	
11-12	0.02	0.0	0.0	9.99	0.03	0.0	0.0	0.0	0.03	0.0	0.02	0.0	
12-13	0.03	0.00	0.0	9.99	0.03	0.0	0.0	0.0	0.03	0.0	0.03	0.0	
13-14	0.02	0.02	0.01	9.99	0.02	0.01	0.00	0.0	0.04	0.01	0.02	0.0	
14-15	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15-16	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.07	0.02	0.01	99.99	0.08	0.01	0.00	0.0	0.11	0.01	0.07	0.0	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
AUG. 4													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.33	0.52	0.39	0.53	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
1- 2	0.34	0.52	0.39	0.53	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
2- 3	0.35	0.57	0.40	0.52	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0		
3- 4	0.37	0.52	0.40	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
4- 5	0.38	0.53	0.41	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
5- 6	0.38	0.53	0.41	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
6- 7	0.39	0.53	0.41	0.54	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
7- 8	0.38	0.53	0.40	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
8- 9	0.40	0.53	0.39	0.54	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
9-10	0.40	0.53	0.41	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
10-11	0.40	0.53	0.40	0.54	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
11-12	0.40	0.53	0.39	0.54	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
12-13	0.40	0.54	0.39	0.54	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
13-14	0.44	0.55	0.43	0.56	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
14-15	0.47	0.56	0.45	0.57	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
15-16	0.49	0.58	0.48	0.58	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0		
16-17	0.51	0.58	0.51	0.59	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0		
17-18	0.49	0.59	0.49	0.60	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
18-19	0.52	0.59	0.52	0.60	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0		
19-20	0.53	0.60	0.52	0.60	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0		
20-21	0.56	0.60	0.55	0.60	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
21-22	0.57	0.61	0.56	0.61	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
22-23	0.56	0.61	0.56	0.61	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
23-24	0.56	0.61	0.56	0.61	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
TOTAL	10.61	13.39	10.82	13.50	0.0	-2.79	-2.79						

SHORTWAVE RADIATION (MJ/M**2)												
AUG. 5 HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.01	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.09	0.09	0.02	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.00	0.0	0.0	9.99	0.01	0.0	0.0	0.0	0.0	0.02	0.0	0.0
11-12	0.01	0.00	0.0	9.99	0.03	0.0	0.0	0.0	0.0	0.03	0.0	0.0
12-13	0.03*	0.02	0.00	9.99	0.03	0.01	0.0	0.0	0.0	0.04	0.0	0.0
13-14	0.01	0.00	0.0	9.99	0.02	0.0	0.0	0.0	0.0	0.02	0.0	0.0
14-15	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-16	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.14	0.11	0.03	99.99	0.08	0.01	0.0	0.0	0.0	0.11	0.0	0.06

LONGWAVE RADIATION (MJ/M**2)												
AUG. 5 HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.60	0.62	0.59	0.63	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	
1-2	0.62	0.63	0.62	0.63	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	
2-3	0.64	0.64	0.64	0.64	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
3-4	0.65	0.65	0.65	0.65	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
4-5	0.66	0.66	0.66	0.66	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
5-6	0.66	0.66	0.66	0.66	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
6-7	0.66	0.66	0.66	0.66	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
7-8	0.66	0.66	0.66	0.66	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
8-9	0.67	0.67	0.67	0.67	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
9-10	0.67	0.67	0.67	0.67	0.09	-0.00	0.08	0.0	0.0	0.0	0.0	
10-11	0.68	0.68	0.68	0.68	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
11-12	0.67	0.69	0.65	0.68	0.0	-0.01	-0.01	0.000	0.0	0.0	0.000	
12-13	0.69	0.69	0.67	0.69	0.0	-0.00	-0.00	0.0	0.000	0.000	0.000	
13-14	0.69	0.69	0.69	0.69	0.0	-0.00	-0.00	0.000	0.000	0.000	0.000	
14-15	0.69	0.69	0.69	0.69	0.0	-0.00	-0.00	0.000	0.001	0.000	0.000	
15-16	0.69	0.69	0.69	0.69	0.0	-0.00	-0.00	0.000	0.000	0.0	0.000	
16-17	0.69	0.69	0.69	0.69	0.0	-0.00	-0.00	0.000	0.000	0.001	0.001	
17-18	0.69	0.69	0.69	0.69	0.0	-0.00	-0.00	0.000	0.000	0.000	0.000	
18-19	0.69	0.69	0.69	0.69	0.0	-0.00	-0.00	0.000	0.000	0.000	0.000	
19-20	0.69	0.69	0.68	0.69	0.0	-0.00	-0.00	0.0	0.000	0.0	0.0	
20-21	0.69	0.70	0.68	0.70	0.0	-0.01	-0.01	0.000	0.0	0.0	0.0	
21-22	0.70	0.70	0.68	0.70	0.0	-0.01	-0.01	0.000	0.000	0.000	0.000	
22-23	0.70	0.71	0.69	0.70	0.0	-0.01	-0.01	0.000	0.0	0.0	0.0	
23-24	0.70	0.71	0.69	0.71	0.0	-0.01	-0.01	0.0	0.000	0.000	0.000	
TOTAL	16.14	16.26	16.03	16.21	0.09	-0.12	-0.03					

SHORTWAVE RADIATION (MJ/M**2)													
AUG. 6	HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
		(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6- 7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7- 8	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8- 9	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.02	0.01	0.0	9.99	0.00	0.0	0.0	0.0	0.0	0.02	0.0	0.00	0.0
10-11	0.05*	0.03	0.03	9.99	0.05	0.03	0.02	0.01	0.0	0.06	0.03	0.04	0.01
11-12	0.07	0.0	0.05	9.99	0.06	0.05	0.0	0.0	0.0	0.09	0.05	0.0	0.0
12-13	0.05	0.03	0.02	9.99	0.05	0.03	0.01	0.0	0.0	0.06	0.03	0.05	0.00
13-14	0.03	0.02	0.00	9.99	0.03	0.01	0.00	0.0	0.0	0.04	0.00	0.03	0.0
14-15	0.0	0.00	0.0	9.99	0.00	0.0	0.0	0.0	0.0	0.01	0.0	0.00	0.0
15-16	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.21	0.09	0.11	99.99	0.20	0.11	0.03	0.01	0.27	0.11	0.13	0.01	

LONGWAVE RADIATION (MJ/M**2)      NET RADIATION (MJ/M**2)      DIRECT RADIATION (Kw/M**2)													
AUG. 6	HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)				
		DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0- 1	0.69	0.71	0.66	0.71	0.0	-0.02	-0.02	0.000	0.0	0.000	0.000	0.000	
1- 2	0.71	0.71	0.71	0.71	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	0.0	
2- 3	0.69	0.71	0.67	0.71	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	
3- 4	0.71	0.71	0.69	0.71	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	0.0	
4- 5	0.70	0.71	0.70	0.71	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	0.0	
5- 6	0.69	0.71	0.67	0.70	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	
6- 7	0.59	0.69	0.52	0.69	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	
7- 8	0.60	0.68	0.53	0.68	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	
8- 9	0.62	0.68	0.57	0.67	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	
9-10	0.66	0.68	0.64	0.68	0.01	-0.02	-0.00	0.0	0.0	0.0	0.0	0.0	
10-11	0.61	0.67	0.54	0.67	0.00	-0.06	-0.06	0.000	0.000	0.000	0.000	0.000	
11-12	0.58	0.66	0.51	0.66	0.01	-0.08	-0.07	0.0	0.0	0.0	0.0	0.0	
12-13	0.58	0.65	0.50	0.65	0.0	-0.07	-0.07	0.000	0.000	0.000	0.000	0.000	
13-14	0.60	0.65	0.52	0.65	0.0	-0.06	-0.06	0.000	0.000	0.001	0.000	0.000	
14-15	0.61	0.65	0.55	0.65	0.0	-0.04	-0.04	0.000	0.000	0.0	0.001	0.001	
15-16	0.61	0.66	0.55	0.66	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.000	
16-17	0.62	0.66	0.55	0.66	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	
17-18	0.62	0.66	0.55	0.65	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	
18-19	0.63	0.66	0.57	0.66	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	
19-20	0.64	0.66	0.60	0.66	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	
20-21	0.65	0.67	0.62	0.67	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	
21-22	0.67	0.67	0.62	0.67	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0	
22-23	0.68	0.68	0.64	0.68	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	0.0	
23-24	0.69	0.69	0.66	0.69	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	0.0	
TOTAL	15.45	16.29	14.34	16.24	0.02	-0.84	-0.81						

AUG. 7 SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	9.99	9.99	9.99	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	9.99	9.99	9.99	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	9.99	9.99	9.99	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	9.99	9.99	9.99	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5	9.99	9.99	9.99	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5- 6	9.99	9.99	9.99	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6- 7	9.99	9.99	9.99	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7- 8	9.99	9.99	9.99	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8- 9	9.99	9.99	9.99	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	9.99	9.99	9.99	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10-11	9.99*	9.99	9.99	9.99	0.02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
11-12	9.99	9.99	9.99	9.99	0.05	0.03	0.02	0.01	0.03	0.0	0.02	0.0	
12-13	9.99	9.99	9.99	9.99	0.05	0.03	0.01	0.01	0.07	0.03	0.05	0.01	
13-14	9.99	9.99	9.99	9.99	0.03	0.01	0.0	0.0	0.06	0.02	0.04	0.01	
14-15	9.99	9.99	9.99	9.99	0.01	0.0	0.0	0.0	0.04	0.01	0.03	0.0	
15-16	9.99	9.99	9.99	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0	
16-17	9.99	9.99	9.99	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	9.99	9.99	9.99	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	9.99	9.99	9.99	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	9.99	9.99	9.99	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	9.99	9.99	9.99	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	9.99	9.99	9.99	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	9.99	9.99	9.99	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	9.99	9.99	9.99	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	99.99	99.99	99.99	99.99	0.17	0.07	0.02	0.02	0.20	0.05	0.15	0.02	

AUG. 7 LONGWAVE RADIATION (MJ/M**2) NET RADIATION (MJ/M**2) DIRECT RADIATION (KW/M**2)													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(530)	(630)	(695)			
0- 1	0.69	0.69	0.67	0.69	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
1- 2	0.69	0.70	0.67	0.70	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
2- 3	0.68	0.70	0.63	0.70	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
3- 4	0.68	0.70	0.64	0.70	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
4- 5	0.66	0.70	0.61	0.69	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
5- 6	0.65	0.69	0.61	0.69	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
6- 7	0.62	0.68	0.55	0.68	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
7- 8	0.61	0.67	0.54	0.67	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
8- 9	0.59	0.67	0.52	0.67	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
9-10	0.60	0.67	0.52	0.67	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
10-11	0.59	0.67	0.53	0.67	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
11-12	0.61	0.67	0.55	0.67	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
12-13	0.60	0.67	0.58	0.67	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
13-14	0.64	0.67	0.62	0.67	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
14-15	0.64	0.67	0.63	0.67	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
15-16	0.65	0.68	0.64	0.67	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
16-17	0.64	0.68	0.62	0.67	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
17-18	0.64	0.67	0.60	0.67	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
18-19	0.61	0.67	0.56	0.67	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
19-20	0.60	0.66	0.55	0.66	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
20-21	0.59	0.66	0.55	0.66	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
21-22	0.59	0.66	0.55	0.66	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
22-23	0.53	0.64	0.49	0.64	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
23-24	0.51	0.64	0.48	0.64	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
TOTAL	14.91	16.20	13.91	16.17	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		

SHORTWAVE RADIATION (MJ/M**2)													
AUG. 8	HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
		(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.0*	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-11	0.03*	0.02	0.02	9.99	0.03	0.01	0.01	0.0	0.0	0.04	0.01	0.04	0.01
11-12	0.13	0.11	0.08	9.99	0.10	0.07	0.05	0.04	0.0	0.11	0.05	0.12	0.07
12-13	0.15	0.12	0.08	9.99	0.11	0.08	0.05	0.05	0.0	0.12	0.06	0.14	0.08
13-14	0.07	0.05	0.04	9.99	0.06	0.03	0.03	0.01	0.0	0.07	0.01	0.07	0.03
14-15	0.01	0.01	0.00	9.99	0.01	0.01	0.0	0.0	0.0	0.03	0.0	0.01	0.00
15-16	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.39	0.30	0.21	99.99	0.31	0.20	0.14	0.11	0.0	0.37	0.13	0.38	0.18

LONGWAVE RADIATION (MJ/M**2)      NET RADIATION (MJ/M**2)      DIRECT RADIATION (KW/M**2)													
AUG. 8	HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)				
		DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(530)	(630)	(695)		
0-1	0.49	0.63	0.46	0.63	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	
1-2	0.49	0.63	0.46	0.64	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
2-3	0.47	0.64	0.47	0.64	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	
3-4	0.49	0.64	0.47	0.64	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
4-5	0.47	0.63	0.44	0.64	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	
5-6	0.45	0.63	0.41	0.64	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0	
6-7	0.42	0.62	0.40	0.63	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	
7-8	0.41	0.61	0.39	0.62	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	
8-9	0.41	0.62	0.40	0.62	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	
9-10	0.40	0.62	0.40	0.62	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0	0.0	
10-11	0.41	0.62	0.40	0.62	0.00	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	
11-12	0.41	0.62	0.40	0.63	0.03	-0.21	-0.18	0.160	0.053	0.106	0.134		
12-13	0.41	0.62	0.40	0.63	0.04	-0.21	-0.17	0.170	0.077	0.129	0.145		
13-14	0.40	0.62	0.40	0.62	0.01	-0.22	-0.21	0.045	0.035	0.037	0.035		
14-15	0.49	0.61	0.48	0.62	0.00	-0.13	-0.13	0.006	0.005	0.005	0.004		
15-16	0.53	0.63	0.53	0.64	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
16-17	0.50	0.63	0.50	0.64	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
17-18	0.50	0.63	0.50	0.64	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
18-19	0.49	0.64	0.49	0.64	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
19-20	0.44	0.64	0.44	0.63	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
20-21	0.63	0.65	0.63	0.66	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
21-22	0.51	0.65	0.50	0.65	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
22-23	0.46	0.64	0.46	0.64	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
23-24	0.58	0.66	0.58	0.67	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
TOTAL	11.27	15.13	11.00	15.25	0.08	-3.86	-3.78						

SHORTWAVE RADIATION (MJ/M**2)													
AUG. 9													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.01*	0.01	0.00	9.99	0.01	0.00	0.0	0.0	0.02	0.00	0.01	0.0	
10-11	0.07	0.05	0.05	9.99	0.06	0.04	0.03	0.02	0.09	0.04	0.06	0.03	
11-12	0.13	0.10	0.08	9.99	0.10	0.08	0.05	0.04	0.13	0.06	0.11	0.05	
12-13	0.13	0.10	0.08	9.99	0.10	0.07	0.05	0.05	0.14	0.08	0.13	0.07	
13-14	0.08	0.06	0.05	9.99	0.07	0.05	0.03	0.02	0.10	0.04	0.08	0.05	
14-15	0.01	0.01	0.00	9.99	0.01	0.01	0.0	0.0	0.03	0.00	0.02	0.0	
15-16	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.43	0.34	0.26	99.99	0.36	0.25	0.16	0.13	0.51	0.24	0.40	0.19	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
AUG. 9													
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.50	0.66	0.49	0.66	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
1-2	0.58	0.67	0.58	0.67	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0		
2-3	0.61	0.68	0.61	0.68	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
3-4	0.63	0.68	0.62	0.68	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
4-5	0.54	0.67	0.53	0.68	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
5-6	0.56	0.67	0.54	0.67	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
6-7	0.53	0.66	0.52	0.66	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
7-8	0.50	0.65	0.48	0.66	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
8-9	0.48	0.65	0.46	0.65	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
9-10	0.48	0.65	0.45	0.65	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
10-11	0.49	0.65	0.47	0.65	0.01	-0.16	-0.15	0.0	0.0	0.0	0.0		
11-12	0.49	0.65	0.47	0.65	0.02	-0.16	-0.14	0.005	0.004	0.003	0.002		
12-13	0.47	0.65	0.44	0.65	0.03	-0.18	-0.15	0.024	0.024	0.019	0.018		
13-14	0.45	0.65	0.42	0.65	0.01	-0.20	-0.19	0.013	0.011	0.010	0.009		
14-15	0.44	0.64	0.42	0.65	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0		
15-16	0.44	0.64	0.42	0.65	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
16-17	0.43	0.64	0.42	0.65	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0		
17-18	0.42	0.64	0.42	0.64	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0		
18-19	0.44	0.64	0.44	0.64	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
19-20	0.42	0.63	0.41	0.63	0.0	-0.21	-0.20	0.0	0.0	0.0	0.0		
20-21	0.44	0.64	0.43	0.64	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
21-22	0.61	0.66	0.60	0.67	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
22-23	0.57	0.67	0.57	0.68	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
23-24	0.54	0.66	0.54	0.67	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
TOTAL	12.06	15.70	11.75	15.79	0.07	-3.65	-3.58						

AUG. 10													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5- 6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6- 7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7- 8	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8- 9	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.01*	0.01	0.00	9.99	0.01	0.00	0.0	0.0	0.03	0.00	0.01	0.0	
10-11	0.08*	0.06	0.05	9.99	0.07	0.05	0.03	0.02	0.11	0.05	0.07	0.03	
11-12	0.15	0.12	0.10	9.99	0.13	0.09	0.07	0.05	0.22	0.12	0.15	0.09	
12-13	0.16	0.13	0.10	9.99	0.13	0.09	0.07	0.06	0.23	0.12	0.16	0.09	
13-14	0.10	0.07	0.06	9.99	0.08	0.05	0.04	0.03	0.17	0.07	0.12	0.07	
14-15	0.01	0.01	0.00	9.99	0.02	0.00	0.0	0.0	0.0	0.00	0.02	0.00	
15-16	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.51	0.40	0.31	99.99	0.44	0.29	0.21	0.16	0.74	0.37	0.54	0.28	

AUG. 10													
LONGWAVE RADIATION (MJ/M**2)													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	(SURFACE) LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.58	0.68	0.59	0.68	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0		
1- 2	0.62	0.68	0.62	0.69	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
2- 3	0.66	0.69	0.66	0.70	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
3- 4	0.66	0.70	0.66	0.70	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
4- 5	0.66	0.70	0.65	0.70	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
5- 6	0.63	0.70	0.62	0.70	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0		
6- 7	0.46	0.65	0.45	0.65	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
7- 8	0.45	0.63	0.43	0.63	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
8- 9	0.45	0.63	0.43	0.63	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
9-10	0.46	0.63	0.43	0.63	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
10-11	0.48	0.63	0.45	0.64	0.01	-0.15	-0.14	0.0	0.0	0.0	0.0		
11-12	0.49	0.63	0.46	0.64	0.02	-0.14	-0.12	0.006	0.005	0.005	0.003		
12-13	0.48	0.64	0.46	0.64	0.03	-0.15	-0.13	0.012	0.011	0.009	0.008		
13-14	0.45	0.64	0.43	0.65	0.02	-0.18	-0.16	0.024	0.022	0.019	0.018		
14-15	0.44	0.64	0.41	0.64	0.0	-0.20	-0.20	0.000	0.0	0.0	0.0		
15-16	0.42	0.64	0.40	0.64	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0		
16-17	0.43	0.64	0.39	0.64	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0		
17-18	0.41	0.64	0.40	0.65	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0		
18-19	0.40	0.63	0.39	0.64	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0		
19-20	0.41	0.63	0.38	0.63	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0		
20-21	0.42	0.62	0.39	0.62	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
21-22	0.43	0.60	0.39	0.60	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
22-23	0.45	0.58	0.40	0.58	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
23-24	0.46	0.57	0.41	0.57	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
TOTAL	11.80	15.41	11.28	15.50	0.08	-3.60	-3.52						

SHORTWAVE RADIATION (MJ/M**2)												
AUG. 11	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HRUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6- 7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7- 8	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8- 9	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.01*	0.01	0.01	9.99	0.01	0.01	0.0	0.0	0.02	0.01	0.01	0.0
10-11	0.06*	0.05	0.03	9.99	0.06	0.03	0.03	0.02	0.08	0.03	0.06	0.03
11-12	0.14	0.11	0.09	9.99	0.12	0.09	0.06	0.05	0.16	0.08	0.12	0.06
12-13	0.29	0.25	0.20	9.99	0.24	0.19	0.15	0.13	0.32	0.19	0.26	0.16
13-14	0.18	0.15	0.12	9.99	0.14	0.11	0.08	0.07	0.20	0.11	0.16	0.09
14-15	0.05	0.04	0.03	9.99	0.04	0.02	0.02	0.02	0.06	0.02	0.05	0.03
15-16	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.73	0.61	0.49	99.99	0.61	0.45	0.34	0.29	0.84	0.45	0.66	0.37

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
AUG. 11	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
HRUR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0- 1	0.44	0.57	0.39	0.57	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
1- 2	0.44	0.57	0.39	0.57	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
2- 3	0.42	0.57	0.39	0.57	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
3- 4	0.42	0.57	0.38	0.57	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
4- 5	0.42	0.57	0.39	0.58	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
5- 6	0.43	0.58	0.39	0.58	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
6- 7	0.43	0.58	0.40	0.58	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
7- 8	0.43	0.59	0.39	0.59	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
8- 9	0.45	0.59	0.42	0.60	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
9-10	0.44	0.60	0.45	0.60	0.00	-0.12	-0.12	0.0	0.0	0.0	0.0	
10-11	0.53	0.61	0.51	0.62	0.01	-0.08	-0.08	0.0	0.0	0.0	0.0	
11-12	0.55	0.63	0.53	0.63	0.02	-0.07	-0.05	0.001	0.001	0.001	0.001	
12-13	0.58	0.64	0.56	0.65	0.05	-0.06	-0.01	0.024	0.022	0.020	0.018	
13-14	0.50	0.65	0.48	0.65	0.03	-0.15	-0.11	0.008	0.007	0.006	0.005	
14-15	0.46	0.64	0.43	0.64	0.01	-0.17	-0.17	0.001	0.000	0.0	0.0	
15-16	0.44	0.63	0.42	0.64	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	
16-17	0.43	0.63	0.41	0.64	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
17-18	0.43	0.63	0.41	0.64	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
18-19	0.44	0.64	0.42	0.65	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
19-20	0.44	0.65	0.41	0.66	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	
20-21	0.45	0.65	0.41	0.65	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	
21-22	0.45	0.66	0.42	0.66	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
22-23	0.45	0.65	0.42	0.66	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
23-24	0.45	0.65	0.42	0.65	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
TOTAL	10.97	14.74	10.25	14.84	0.12	-3.76	-3.64					



SHORTWAVE RADIATION (MJ/M**2)													
AUG. 12	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
HR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5- 6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6- 7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7- 8	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8- 9	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.01	0.00	0.00	9.99	0.01	0.00	0.0	0.0	0.02	0.0	0.01	0.0	
10-11	0.07	0.05	0.04	9.99	0.06	0.03	0.02	0.01	0.09	0.04	0.07	0.02	
11-12	0.12	0.09	0.07	9.99	0.10	0.06	0.04	0.03	0.14	0.07	0.11	0.05	
12-13	0.12	0.09	0.07	9.99	0.10	0.07	0.04	0.04	0.15	0.07	0.11	0.05	
13-14	0.04	0.02	0.01	9.99	0.04	0.01	0.00	0.00	0.06	0.01	0.04	0.00	
14-15	0.01	0.0	0.0	9.99	0.02	0.0	0.0	0.0	0.02	0.0	0.02	0.0	
15-16	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16-17	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.37	0.24	0.18	99.99	0.34	0.17	0.11	0.06	0.49	0.18	0.36	0.12	

LONGWAVE RADIATION (MJ/M**2)													
AUG. 12	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
HR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.50	0.66	0.47	0.67	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
1- 2	0.53	0.69	0.61	0.70	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
2- 3	0.61	0.70	0.57	0.71	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
3- 4	0.57	0.70	0.53	0.71	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
4- 5	0.56	0.70	0.52	0.71	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
5- 6	0.58	0.70	0.54	0.71	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
6- 7	0.56	0.70	0.51	0.71	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
7- 8	0.58	0.71	0.52	0.71	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
8- 9	0.60	0.73	0.52	0.72	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
9-10	0.58	0.72	0.51	0.72	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
10-11	0.55	0.73	0.49	0.73	0.01	-0.17	-0.17	0.0	0.0	0.0	0.0		
11-12	0.59	0.74	0.51	0.74	0.02	-0.15	-0.14	0.0	0.0	0.0	0.0		
12-13	0.60	0.74	0.53	0.75	0.02	-0.15	-0.13	0.0	0.0	0.0	0.0		
13-14	0.58	0.74	0.51	0.74	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
14-15	0.60	0.74	0.52	0.74	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
15-16	0.60	0.74	0.52	0.74	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
16-17	0.62	0.74	0.54	0.74	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
17-18	0.62	0.74	0.53	0.74	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
18-19	0.62	0.74	0.55	0.74	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
19-20	0.63	0.74	0.57	0.74	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
20-21	0.64	0.74	0.59	0.74	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
21-22	0.69	0.74	0.66	0.73	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
22-23	0.72	0.74	0.70	0.74	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
23-24	0.72	0.74	0.70	0.74	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
TOTAL	14.56	17.35	13.21	17.39	0.04	-2.79	-2.75						



AUG. 13	SHORTWAVE RADIATION (MJ/M**2)												
	HOUR	GLOBAL(SURFACE)				REFLECTED(SURFACE)				GLOBAL(30M)		REFLECTED(30M)	
		(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.01	0.01	0.01	9.99	0.02	0.01	0.0	0.0	0.03	0.00	0.02	0.0	
10-11	0.09	0.06	0.05	9.99	0.08	0.05	0.04	0.02	0.10	0.04	0.08	0.03	
11-12	0.13	0.10	0.07	9.99	0.11	0.07	0.05	0.04	0.15	0.06	0.11	0.05	
12-13	0.25	0.20	0.16	9.99	0.19	0.14	0.10	0.08	0.26	0.14	0.22	0.12	
13-14	0.23	0.18	0.15	9.99	0.15	0.11	0.09	0.07	0.23	0.11	0.19	0.12	
14-15	0.03	0.01	0.01	9.99	0.03	0.01	0.00	0.0	0.04	0.00	0.04	0.01	
15-16	0.0	0.0	0.0	9.99	0.00	0.0	0.0	0.0	0.01	0.0	0.00	0.00	
16-17	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.73	0.56	0.45	99.99	0.57	0.38	0.28	0.21	0.81	0.36	0.65	0.33	

AUG. 13	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
	HOUR	(SURFACE)		(30M)		SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)
		DOWNWARD	UPWARD	DOWNWARD	UPWARD							
0-1	0.70	0.74	0.66	0.74	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
1-2	0.69	0.74	0.64	0.73	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
2-3	0.66	0.73	0.61	0.73	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	
3-4	0.69	0.73	0.66	0.73	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
4-5	0.68	0.73	0.65	0.73	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
5-6	0.65	0.73	0.61	0.72	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
6-7	0.64	0.72	0.61	0.72	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
7-8	0.60	0.71	0.57	0.71	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
8-9	0.58	0.71	0.54	0.71	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
9-10	0.61	0.70	0.58	0.71	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
10-11	0.59	0.70	0.56	0.70	0.01	-0.11	-0.10	0.0	0.0	0.0	0.0	
11-12	0.54	0.70	0.51	0.70	0.02	-0.15	-0.13	0.000	0.000	0.000	0.000	
12-13	0.53	0.70	0.49	0.70	0.06	-0.17	-0.10	0.022	0.020	0.018	0.015	
13-14	0.49	0.69	0.46	0.69	0.08	-0.20	-0.12	0.052	0.050	0.042	0.036	
14-15	0.43	0.68	0.41	0.68	0.0	-0.25	-0.25	0.002	0.001	0.001	0.001	
15-16	0.43	0.67	0.41	0.67	0.0	-0.24	-0.24	0.0	0.0	0.0	0.0	
16-17	0.50	0.67	0.49	0.67	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
17-18	0.52	0.67	0.51	0.67	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
18-19	0.52	0.67	0.51	0.67	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
19-20	0.52	0.67	0.51	0.67	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
20-21	0.50	0.66	0.50	0.67	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
21-22	0.49	0.65	0.48	0.66	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
22-23	0.51	0.65	0.51	0.65	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
23-24	0.55	0.65	0.55	0.65	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
TOTAL	13.63	16.65	13.07	16.70	0.17	-3.02	-2.85					

SHORTWAVE RADIATION (MJ/M**2)													
AUG. 15	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	HR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.04*	0.03	0.02	9.99	0.04	0.02	0.01	0.01	0.05	0.02	0.04	0.01	0.01
10-11	0.10*	0.07	0.06	9.99	0.09	0.06	0.04	0.03	0.11	0.06	0.09	0.03	0.03
11-12	0.19*	0.14	0.11	9.99	0.16	0.12	0.08	0.07	0.22	0.12	0.15	0.07	0.07
12-13	0.24*	0.17	0.13	9.99	0.18	0.13	0.10	0.08	0.40	0.23	0.22	0.11	0.11
13-14	0.23*	0.15	0.11	9.99	0.15	0.11	0.08	0.07	0.37	0.22	0.19	0.11	0.11
14-15	0.07*	0.05	0.04	9.99	0.05	0.03	0.02	0.01	0.11	0.05	0.07	0.03	0.03
15-16	0.05	0.02	0.0	9.99	0.01	0.0	0.0	0.0	0.02	0.02	0.01	0.0	0.0
16-17	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	0.92	0.64	0.48	99.99	0.69	0.47	0.33	0.27	1.29	0.71	0.75	0.37	0.37

LONGWAVE RADIATION (MJ/M**2)												
AUG. 15	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
	HR	(SURFACE)		(30M)		SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)
DOWNWARD		UPWARD	DOWNWARD	UPWARD								
0-1	0.42	0.58	0.45	0.59	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0
1-2	0.42	0.58	0.45	0.59	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
2-3	0.42	0.58	0.46	0.59	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
3-4	0.43	0.58	0.48	0.59	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
4-5	0.44	0.58	0.49	0.60	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
5-6	0.50	0.59	0.55	0.62	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0
6-7	0.50	0.61	0.55	0.62	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0
7-8	0.52	0.61	0.57	0.63	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0
8-9	0.54	0.61	0.59	0.64	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0
9-10	0.52	0.62	0.58	0.64	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0
10-11	0.54	0.62	0.60	0.65	0.01	-0.08	-0.07	0.0	0.0	0.0	0.0	0.0
11-12	0.51	0.63	0.59	0.64	0.03	-0.12	-0.09	0.021	0.016	0.015	0.010	0.010
12-13	0.42	0.62	0.54	0.63	0.06	-0.19	-0.13	0.196	0.168	0.155	0.112	0.112
13-14	0.42	0.61	0.53	0.63	0.08	-0.19	-0.11	0.202	0.180	0.166	0.142	0.142
14-15	0.40	0.60	0.53	0.61	0.02	-0.20	-0.19	0.029	0.024	0.023	0.021	0.021
15-16	0.41	0.60	0.53	0.61	0.05	-0.19	-0.14	0.0	0.0	0.0	0.0	0.0
16-17	0.42	0.59	0.52	0.60	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
17-18	0.43	0.59	0.51	0.60	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0
18-19	0.43	0.58	0.52	0.61	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
19-20	0.44	0.59	0.52	0.61	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
20-21	0.44	0.58	0.52	0.60	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
21-22	0.46	0.59	0.53	0.61	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0
22-23	0.46	0.59	0.53	0.61	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0
23-24	0.46	0.59	0.53	0.61	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0
TOTAL	10.95	14.29	12.64	14.72	0.23	-3.34	-3.11					

AUG. 16													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5- 6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6- 7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7- 8	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8- 9	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9-10	0.06*	0.05	0.04	9.99	0.05	0.03	0.02	0.01	0.01	0.0	0.00	0.0	
10-11	0.17*	0.13	0.11	9.99	0.11	0.07	0.05	0.04	0.11	0.07	0.06	0.03	
11-12	0.23*	0.18	0.15	9.99	0.17	0.12	0.09	0.06	0.27	0.17	0.14	0.08	
12-13	0.22*	0.16	0.13	9.99	0.18	0.13	0.10	0.08	0.38	0.22	0.20	0.12	
13-14	0.19*	0.13	0.10	9.99	0.14	0.10	0.07	0.06	0.42	0.23	0.22	0.13	
14-15	0.08*	0.06	0.05	9.99	0.06	0.04	0.03	0.02	0.35	0.20	0.18	0.11	
15-16	0.00	0.00	0.00	9.99	0.01	0.00	0.0	0.0	0.16	0.09	0.09	0.05	
16-17	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.02	0.01	0.01	0.00	
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.96	0.72	0.58	99.99	0.72	0.49	0.36	0.27	1.72	1.00	0.89	0.51	

AUG. 16													
LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(530)	(630)	(695)			
0- 1	0.46	0.59	0.53	0.61	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
1- 2	0.46	0.59	0.52	0.61	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
2- 3	0.46	0.59	0.52	0.61	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
3- 4	0.44	0.58	0.50	0.60	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
4- 5	0.44	0.58	0.50	0.59	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
5- 6	0.45	0.57	0.49	0.59	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
6- 7	0.44	0.57	0.50	0.59	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
7- 8	0.44	0.57	0.49	0.58	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
8- 9	0.44	0.57	0.48	0.58	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
9-10	0.43	0.57	0.48	0.58	0.01	-0.14	-0.13	0.003	0.0	0.0	0.0		
10-11	0.42	0.57	0.47	0.58	0.06	-0.15	-0.10	0.035	0.005	0.005	0.005		
11-12	0.40	0.56	0.47	0.58	0.07	-0.16	-0.10	0.108	0.063	0.062	0.053		
12-13	0.38	0.56	0.46	0.57	0.04	-0.18	-0.14	0.129	0.114	0.103	0.087		
13-14	0.38	0.56	0.44	0.57	0.05	-0.18	-0.13	0.107	0.093	0.068	0.057		
14-15	0.36	0.55	0.41	0.56	0.02	-0.19	-0.17	0.031	0.025	0.013	0.013		
15-16	0.36	0.55	0.41	0.56	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
16-17	0.36	0.54	0.40	0.55	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
17-18	0.36	0.54	0.39	0.54	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
18-19	0.36	0.53	0.39	0.54	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
19-20	0.36	0.53	0.38	0.53	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
20-21	0.37	0.52	0.40	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
21-22	0.37	0.52	0.39	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
22-23	0.37	0.52	0.39	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
23-24	0.38	0.52	0.39	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
TOTAL	9.71	13.35	10.81	13.61	0.25	-3.65	-3.40						

SHORTWAVE RADIATION (MJ/M**2)													
AUG. 17													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5- 6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6- 7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7- 8	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8- 9	0.0	0.0	0.0	9.99	0.00	0.0	0.0	0.0	0.01	0.0	0.0	0.0	
9-10	0.06*	0.05	0.03	9.99	0.05	0.03	0.02	0.01	0.11	0.06	0.06	0.03	
10-11	0.21*	0.16	0.13	9.99	0.14	0.10	0.07	0.06	0.31	0.19	0.17	0.11	
11-12	0.28*	0.21	0.18	9.99	0.20	0.15	0.11	0.09	0.43	0.25	0.24	0.17	
12-13	0.28*	0.20	0.17	9.99	0.22	0.17	0.13	0.11	0.50	0.28	0.25	0.18	
13-14	0.24*	0.16	0.14	9.99	0.18	0.13	0.10	0.08	0.45	0.25	0.22	0.15	
14-15	0.12*	0.08	0.06	9.99	0.08	0.06	0.04	0.03	0.25	0.14	0.11	0.08	
15-16	0.01	0.00	0.00	9.99	0.01	0.00	0.0	0.0	0.03	0.01	0.01	0.0	
16-17	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	1.19	0.87	0.71	99.99	0.89	0.64	0.47	0.38	2.08	1.18	1.06	0.72	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
AUG. 17													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(530)	(630)	(695)	(695)		
0- 1	0.39	0.52	0.40	0.52	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
1- 2	0.39	0.52	0.40	0.52	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
2- 3	0.40	0.52	0.40	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
3- 4	0.40	0.53	0.40	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
4- 5	0.41	0.53	0.40	0.53	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	
5- 6	0.40	0.53	0.38	0.54	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
6- 7	0.38	0.54	0.36	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
7- 8	0.38	0.53	0.36	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
8- 9	0.37	0.53	0.36	0.54	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	
9-10	0.36	0.53	0.36	0.54	0.01	-0.18	-0.17	0.0	0.0	0.0	0.0	0.0	
10-11	0.36	0.54	0.36	0.54	0.07	-0.18	-0.11	0.0	0.0	0.0	0.0	0.0	
11-12	0.36	0.54	0.36	0.54	0.07	-0.18	-0.11	0.033	0.027	0.028	0.025		
12-13	0.35	0.54	0.36	0.54	0.06	-0.19	-0.13	0.238	0.216	0.175	0.175		
13-14	0.33	0.54	0.34	0.54	0.06	-0.20	-0.14	0.277	0.252	0.210	0.212		
14-15	0.33	0.54	0.34	0.54	0.04	-0.20	-0.17	0.140	0.126	0.105	0.110		
15-16	0.33	0.54	0.34	0.54	0.0	-0.20	-0.20	0.002	0.001	0.000	0.000		
16-17	0.33	0.53	0.33	0.54	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
17-18	0.32	0.53	0.33	0.53	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
18-19	0.33	0.52	0.33	0.53	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
19-20	0.34	0.52	0.34	0.52	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
20-21	0.34	0.52	0.35	0.52	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
21-22	0.34	0.53	0.34	0.52	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
22-23	0.34	0.51	0.34	0.51	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
23-24	0.34	0.51	0.34	0.51	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
TOTAL	8.63	12.68	8.62	12.76	0.30	-4.05	-3.75						

AUG. 18													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.11	0.15	0.02	9.99	0.01	0.00	0.0	0.0	0.05	0.06	0.00	0.0	
9-10	0.08	0.07	0.06	9.99	0.07	0.06	0.03	0.03	0.11	0.06	0.07	0.03	
10-11	0.16	0.13	0.10	9.99	0.14	0.10	0.07	0.06	0.19	0.10	0.12	0.06	
11-12	0.25	0.19	0.16	9.99	0.21	0.15	0.12	0.09	0.30	0.18	0.19	0.11	
12-13	0.19	0.14	0.11	9.99	0.16	0.11	0.08	0.06	0.23	0.12	0.13	0.07	
13-14	0.15	0.11	0.08	9.99	0.12	0.08	0.05	0.05	0.15	0.08	0.10	0.05	
14-15	0.08	0.06	0.04	9.99	0.07	0.04	0.03	0.02	0.09	0.04	0.05	0.02	
15-16	0.04	0.03	0.00	9.99	0.01	0.00	0.0	0.0	0.02	0.00	0.01	0.0	
16-17	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	1.06	0.89	0.57	99.99	0.80	0.55	0.38	0.31	1.14	0.63	0.68	0.34	

AUG. 18													
LONGWAVE RADIATION (MJ/M**2)					NET RADIATION (MJ/M**2)				DIRECT RADIATION (KW/M**2)				
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)			(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	TOTAL						
0-1	0.34	0.51	0.34	0.51	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	
1-2	0.33	0.51	0.34	0.57	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	
2-3	0.34	0.50	0.36	0.52	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	
3-4	0.35	0.50	0.34	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
4-5	0.34	0.50	0.37	0.53	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	
5-6	0.35	0.50	0.34	0.51	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
6-7	0.35	0.50	0.35	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
7-8	0.35	0.50	0.37	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
8-9	0.37	0.50	0.36	0.51	0.09	-0.14	-0.04	0.0	0.0	0.0	0.0	0.0	
9-10	0.38	0.51	0.39	0.52	0.01	-0.12	-0.11	0.001	0.0	0.0	0.0	0.0	
10-11	0.40	0.52	0.40	0.52	0.02	-0.12	-0.10	0.011	0.009	0.008	0.007	0.053	
11-12	0.38	0.52	0.38	0.53	0.04	-0.14	-0.10	0.075	0.068	0.061	0.053	0.026	
12-13	0.37	0.52	0.37	0.53	0.03	-0.15	-0.13	0.041	0.036	0.031	0.026	0.001	
13-14	0.36	0.52	0.38	0.53	0.02	-0.15	-0.13	0.002	0.001	0.001	0.001	0.0	
14-15	0.37	0.52	0.38	0.53	0.01	-0.15	-0.14	0.0	0.0	0.0	0.0	0.0	
15-16	0.38	0.52	0.38	0.53	0.03	-0.14	-0.11	0.0	0.0	0.0	0.0	0.0	
16-17	0.40	0.52	0.39	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
17-18	0.40	0.52	0.38	0.53	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
18-19	0.37	0.53	0.39	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
19-20	0.38	0.53	0.39	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
20-21	0.38	0.53	0.39	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
21-22	0.38	0.53	0.39	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
22-23	0.37	0.53	0.39	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
23-24	0.37	0.52	0.38	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
TOTAL	8.81	12.37	8.95	12.71	0.26	-3.55	-3.30						

SHORTWAVE RADIATION (MJ/M**2)													
AUG. 19		GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HR		(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	:	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	:	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	:	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	:	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	:	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	:	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	:	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	:	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	:	0.00	0.00	0.0	9.99	0.01	0.0	0.0	0.0	0.01	0.0	0.00	0.0
9-10	:	0.00*	0.06	0.05	9.99	0.06	0.03	0.02	0.01	0.06	0.02	0.05	0.02
10-11	:	0.24*	0.19	0.15	9.99	0.15	0.11	0.08	0.06	0.15	0.07	0.15	0.09
11-12	:	0.43*	0.33	0.27	9.99	0.26	0.19	0.15	0.11	0.28	0.14	0.27	0.17
12-13	:	0.49*	0.36	0.28	9.99	0.28	0.21	0.13	0.13	0.50	0.17	0.29	0.18
13-14	:	0.34*	0.24	0.17	9.99	0.18	0.13	0.10	0.08	0.20	0.08	0.20	0.12
14-15	:	0.21*	0.15	0.09	9.99	0.10	0.07	0.05	0.04	0.11	0.03	0.13	0.07
15-16	:	0.03	0.02	0.01	9.99	0.02	0.01	0.00	0.00	0.02	0.0	0.02	0.01
16-17	:	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	:	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	:	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	:	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	:	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	:	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	:	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	:	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	:	1.80	1.35	1.02	99.99	1.04	0.74	0.53	0.44	1.34	0.53	1.12	0.66

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)																
AUG. 19		(SURFACE)				(30M)				(SURFACE)						
HR		DOWNWARD	UPWARD	DOWNWARD	UPWARD	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)
0-1	:	0.37	0.52	0.38	0.53	0.0	-0.15	-0.15	0.0	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0
1-2	:	0.37	0.52	0.36	0.53	0.0	-0.15	-0.15	0.0	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0
2-3	:	0.35	0.51	0.35	0.52	0.0	-0.16	-0.16	0.0	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0
3-4	:	0.33	0.52	0.34	0.52	0.0	-0.19	-0.19	0.0	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0
4-5	:	0.32	0.50	0.33	0.51	0.0	-0.18	-0.18	0.0	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0
5-6	:	0.33	0.50	0.33	0.51	0.0	-0.18	-0.18	0.0	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0
6-7	:	0.32	0.50	0.35	0.54	0.0	-0.18	-0.18	0.0	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0
7-8	:	0.32	0.50	0.33	0.54	0.0	-0.18	-0.18	0.0	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0
8-9	:	0.32	0.49	0.33	0.50	0.0	-0.18	-0.18	0.0	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0
9-10	:	0.32	0.50	0.33	0.51	0.02	-0.18	-0.16	0.030	0.030	-0.16	-0.16	0.030	0.020	0.023	0.021
10-11	:	0.32	0.50	0.34	0.51	0.08	-0.18	-0.10	0.188	0.139	-0.10	-0.10	0.188	0.139	0.152	0.137
11-12	:	0.32	0.50	0.36	0.51	0.17	-0.18	-0.01	0.395	0.345	-0.01	-0.01	0.395	0.345	0.319	0.285
12-13	:	0.31	0.50	0.32	0.51	0.21	-0.19	0.02	0.487	0.441	0.02	0.02	0.487	0.441	0.394	0.345
13-14	:	0.32	0.50	0.49	0.51	0.16	-0.18	-0.02	0.341	0.285	-0.02	-0.02	0.341	0.285	0.276	0.233
14-15	:	0.32	0.50	0.32	0.51	0.11	-0.18	-0.07	0.227	0.168	-0.07	-0.07	0.227	0.168	0.186	0.154
15-16	:	0.31	0.49	0.32	0.50	0.02	-0.18	-0.16	0.025	0.016	-0.16	-0.16	0.025	0.016	0.021	0.017
16-17	:	0.30	0.48	0.31	0.49	0.0	-0.18	-0.18	0.0	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0
17-18	:	0.30	0.47	0.30	0.48	0.0	-0.18	-0.18	0.0	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0
18-19	:	0.30	0.47	0.30	0.47	0.0	-0.17	-0.17	0.0	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0
19-20	:	0.31	0.47	0.30	0.47	0.0	-0.15	-0.15	0.0	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0
20-21	:	0.31	0.46	0.31	0.46	0.0	-0.15	-0.15	0.0	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0
21-22	:	0.30	0.46	0.31	0.46	0.0	-0.15	-0.15	0.0	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0
22-23	:	0.30	0.45	0.28	0.45	0.0	-0.15	-0.15	0.0	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0
23-24	:	0.29	0.45	0.29	0.45	0.0	-0.15	-0.15	0.0	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0
TOTAL	:	7.67	11.76	7.96	11.96	0.76	-4.09	-3.32								



AUG. 20													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.01*	0.00	0.0	9.99	0.01	0.0	0.0	0.0	0.01	0.00	0.00	0.0	
9-10	0.10*	0.09	0.06	9.99	0.08	0.05	0.04	0.03	0.11	0.06	0.10	0.06	
10-11	0.23	0.18	0.16	9.99	0.20	0.14	0.11	0.09	0.25	0.13	0.23	0.16	
11-12	0.33	0.26	0.22	9.99	0.28	0.21	0.17	0.13	0.36	0.18	0.30	0.20	
12-13	0.35	0.25	0.21	9.99	0.27	0.20	0.16	0.13	0.36	0.17	0.29	0.19	
13-14	0.28	0.19	0.16	9.99	0.20	0.15	0.11	0.10	0.27	0.12	0.23	0.15	
14-15	0.09	0.06	0.04	9.99	0.08	0.05	0.03	0.03	0.10	0.03	0.08	0.04	
15-16	0.01	0.01	0.01	9.99	0.01	0.01	0.00	0.0	0.02	0.01	0.01	0.0	
16-17	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	1.39	1.04	0.86	99.99	1.14	0.82	0.62	0.49	1.49	0.69	1.25	0.80	

AUG. 20															
LONGWAVE RADIATION (MJ/M**2)															
HOUR	(SURFACE)				(30M)				(SURFACE)			DIRECT RADIATION (KW/M**2)			
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)
0-1	0.29	0.44	0.29	0.45	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.29	0.45	0.30	0.45	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.29	0.45	0.30	0.45	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.30	0.45	0.30	0.45	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.30	0.45	0.29	0.45	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.30	0.45	0.30	0.46	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.30	0.45	0.30	0.46	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.30	0.45	0.30	0.46	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.30	0.45	0.31	0.46	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-10	0.30	0.46	0.31	0.46	0.02	-0.15	-0.13	0.042	0.033	0.033	0.042	0.033	0.033	0.030	0.030
10-11	0.31	0.46	0.31	0.47	0.03	-0.15	-0.12	0.252	0.226	0.207	0.252	0.226	0.207	0.188	0.188
11-12	0.31	0.47	0.31	0.48	0.05	-0.16	-0.11	0.369	0.328	0.297	0.369	0.328	0.297	0.269	0.269
12-13	0.32	0.47	0.30	0.48	0.07	-0.15	-0.08	0.382	0.327	0.301	0.382	0.327	0.301	0.274	0.274
13-14	0.31	0.47	0.30	0.49	0.07	-0.17	-0.10	0.283	0.224	0.209	0.283	0.224	0.209	0.199	0.199
14-15	0.30	0.48	0.31	0.49	0.01	-0.17	-0.16	0.030	0.020	0.018	0.030	0.020	0.018	0.018	0.018
15-16	0.33	0.48	0.31	0.49	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-17	0.33	0.49	0.33	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.36	0.49	0.36	0.50	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.38	0.49	0.38	0.50	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.44	0.51	0.45	0.52	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.48	0.53	0.48	0.53	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.50	0.53	0.50	0.54	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.51	0.55	0.51	0.56	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.53	0.56	0.53	0.57	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	8.38	11.48	8.39	11.66	0.26	-3.10	-2.84								

AUG. 21													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5- 6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6- 7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7- 8	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8- 9	0.00	0.00	0.0	9.99	0.01	0.0	0.0	0.0	0.01	0.0	0.00	0.0	
9-10	0.07	0.05	0.04	9.99	0.07	0.04	0.02	0.02	0.08	0.03	0.05	0.02	
10-11	0.15	0.11	0.08	9.99	0.13	0.08	0.05	0.05	0.16	0.07	0.10	0.05	
11-12	0.20	0.15	0.11	9.99	0.18	0.12	0.09	0.06	0.22	0.09	0.14	0.06	
12-13	0.20	0.15	0.11	9.99	0.18	0.12	0.08	0.07	0.22	0.10	0.14	0.06	
13-14	0.17	0.12	0.09	9.99	0.15	0.10	0.06	0.05	0.18	0.08	0.11	0.05	
14-15	0.10	0.07	0.06	9.99	0.09	0.06	0.05	0.03	0.11	0.05	0.09	0.02	
15-16	0.01	0.01	0.00	9.99	0.01	0.01	0.0	0.0	0.03	0.00	0.00	0.0	
16-17	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	0.91	0.67	0.48	99.99	0.82	0.53	0.36	0.28	1.00	0.44	0.99	0.25	

AUG. 21													
LONGWAVE RADIATION (MJ/M**2)													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.57	0.58	0.57	0.59	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
1- 2	0.58	0.59	0.59	0.60	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
2- 3	0.56	0.60	0.56	0.60	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
3- 4	0.59	0.60	0.59	0.61	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
4- 5	0.61	0.61	0.61	0.61	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0		
5- 6	0.61	0.61	0.62	0.62	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0		
6- 7	0.64	0.62	0.65	0.62	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
7- 8	0.63	0.62	0.64	0.62	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
8- 9	0.63	0.62	0.63	0.62	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
9-10	0.62	0.62	0.62	0.62	0.01	-0.00	0.00	0.0	0.0	0.0	0.0		
10-11	0.59	0.62	0.59	0.63	0.02	-0.03	-0.02	0.0	0.0	0.0	0.0		
11-12	0.60	0.62	0.60	0.63	0.02	-0.02	-0.00	0.0	0.0	0.0	0.0		
12-13	0.62	0.62	0.62	0.63	0.02	-0.01	0.01	0.0	0.0	0.0	0.0		
13-14	0.57	0.62	0.57	0.62	0.02	-0.04	-0.03	0.0	0.0	0.0	0.0		
14-15	0.54	0.61	0.55	0.62	0.01	-0.07	-0.06	0.0	0.0	0.0	0.0		
15-16	0.56	0.60	0.56	0.61	0.00	-0.04	-0.04	0.0	0.0	0.0	0.0		
16-17	0.56	0.60	0.57	0.61	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
17-18	0.59	0.62	0.60	0.64	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
18-19	0.49	0.58	0.49	0.59	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0		
19-20	0.48	0.57	0.48	0.59	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
20-21	0.44	0.57	0.45	0.58	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
21-22	0.40	0.56	0.41	0.56	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0		
22-23	0.44	0.55	0.45	0.58	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
23-24	0.41	0.55	0.43	0.58	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
TOTAL	13.34	14.38	13.46	14.55	0.09	-1.04	-0.95						

AUG. 22		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.02#	0.02	0.02	9.99	0.02	0.01	0.00	0.0	0.03	0.01	0.02	0.01	
9-10	0.18#	0.15	0.12	9.99	0.11	0.07	0.06	0.04	0.13	0.06	0.13	0.07	
10-11	0.31	0.23	0.20	9.99	0.25	0.19	0.15	0.11	0.27	0.14	0.26	0.16	
11-12	0.40	0.28	0.24	9.99	0.33	0.25	0.20	0.15	0.37	0.19	0.34	0.20	
12-13	0.41	0.29	0.25	9.99	0.35	0.26	0.21	0.17	0.39	0.19	0.37	0.22	
13-14	0.38	0.25	0.21	9.99	0.29	0.22	0.17	0.13	0.34	0.15	0.32	0.20	
14-15	0.25	0.15	0.12	9.99	0.16	0.12	0.09	0.08	0.20	0.07	0.21	0.13	
15-16	0.10	0.04	0.03	9.99	0.03	0.02	0.01	0.01	0.06	0.00	0.08	0.04	
16-17	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	2.05	1.42	1.18	99.99	1.54	1.14	0.89	0.70	1.79	0.82	1.74	1.03	

AUG. 22		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL					
0-1	0.42	0.54	0.43	0.57	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
1-2	0.44	0.54	0.47	0.58	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
2-3	0.41	0.53	0.46	0.58	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
3-4	0.40	0.53	0.46	0.58	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
4-5	0.39	0.52	0.46	0.57	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
5-6	0.37	0.52	0.45	0.56	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
6-7	0.37	0.52	0.43	0.56	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
7-8	0.36	0.51	0.38	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
8-9	0.36	0.51	0.38	0.55	0.00	-0.15	-0.15	0.026	0.023	0.024	0.021	
9-10	0.35	0.50	0.37	0.53	0.08	-0.15	-0.08	0.224	0.201	0.192	0.169	
10-11	0.35	0.50	0.37	0.55	0.06	-0.15	-0.10	0.496	0.459	0.414	0.374	
11-12	0.35	0.50	0.36	0.55	0.07	-0.15	-0.08	0.609	0.552	0.490	0.437	
12-13	0.34	0.50	0.35	0.53	0.06	-0.16	-0.09	0.638	0.577	0.511	0.454	
13-14	0.33	0.51	0.35	0.55	0.10	-0.18	-0.08	0.645	0.590	0.527	0.471	
14-15	0.33	0.50	0.35	0.54	0.09	-0.17	-0.08	0.515	0.482	0.442	0.399	
15-16	0.31	0.49	0.34	0.53	0.06	-0.18	-0.11	0.202	0.191	0.182	0.168	
16-17	0.33	0.48	0.32	0.49	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
17-18	0.32	0.48	0.34	0.51	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
18-19	0.32	0.47	0.33	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
19-20	0.32	0.47	0.33	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
20-21	0.31	0.46	0.32	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
21-22	0.31	0.46	0.31	0.47	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
22-23	0.31	0.46	0.32	0.46	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
23-24	0.30	0.45	0.32	0.46	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
TOTAL	8.40	11.97	9.01	12.80	0.51	-3.57	-3.05					

AUG. 23 : SHORTWAVE RADIATION (MJ/M**2)												
HOUR	GLOBAL(SURFACE)				REFLECTED(SURFACE)				GLOBAL(30M)		REFLECTED(30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-9	0.02*	0.02	0.01	9.99	0.02	0.01	0.00	0.00	0.04	0.01	0.03	0.02
9-10	0.21*	0.17	0.14	9.99	0.13	0.09	0.07	0.05	0.13	0.07	0.17	0.11
10-11	0.31	0.23	0.20	9.99	0.26	0.20	0.16	0.12	0.28	0.15	0.30	0.19
11-12	0.45	0.31	0.26	9.99	0.35	0.26	0.20	0.16	0.39	0.20	0.38	0.23
12-13	0.46	0.32	0.26	9.99	0.36	0.27	0.21	0.16	0.42	0.21	0.40	0.24
13-14	0.35	0.26	0.19	9.99	0.29	0.22	0.17	0.14	0.33	0.16	0.34	0.22
14-15	0.24	0.17	0.10	9.99	0.17	0.13	0.10	0.09	0.21	0.08	0.24	0.16
15-16	0.08	0.04	0.03	9.99	0.05	0.03	0.02	0.02	0.07	0.01	0.10	0.06
16-17	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	2.11	1.52	1.19	99.99	1.62	1.22	0.93	0.73	1.88	0.88	1.97	1.23

AUG. 23 : LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.30	0.45	0.32	0.47	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
1-2	0.30	0.45	0.31	0.46	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
2-3	0.31	0.45	0.31	0.47	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
3-4	0.31	0.45	0.31	0.46	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
4-5	0.33	0.45	0.31	0.46	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
5-6	0.32	0.45	0.31	0.46	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
6-7	0.31	0.45	0.31	0.46	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
7-8	0.30	0.45	0.31	0.46	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
8-9	0.30	0.45	0.31	0.46	0.00	-0.15	-0.15	0.002	0.001	0.002	0.002	
9-10	0.30	0.45	0.31	0.46	0.07	-0.15	-0.08	0.127	0.096	0.098	0.092	
10-11	0.30	0.45	0.31	0.46	0.05	-0.15	-0.11	0.263	0.220	0.200	0.186	
11-12	0.30	0.46	0.31	0.47	0.11	-0.16	-0.05	0.419	0.349	0.321	0.293	
12-13	0.31	0.47	0.30	0.48	0.10	-0.15	-0.06	0.543	0.425	0.403	0.376	
13-14	0.31	0.47	0.30	0.48	0.06	-0.15	-0.09	0.477	0.336	0.335	0.313	
14-15	0.31	0.47	0.30	0.48	0.07	-0.15	-0.09	0.375	0.229	0.252	0.243	
15-16	0.29	0.46	0.30	0.48	0.03	-0.17	-0.14	0.136	0.076	0.090	0.082	
16-17	0.31	0.46	0.29	0.47	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
17-18	0.30	0.45	0.29	0.46	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
18-19	0.30	0.45	0.29	0.46	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
19-20	0.29	0.45	0.30	0.45	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
20-21	0.29	0.45	0.30	0.45	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
21-22	0.32	0.47	0.32	0.47	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
22-23	0.30	0.45	0.30	0.45	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
23-24	0.30	0.45	0.30	0.46	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
TOTAL	7.30	10.92	7.32	11.14	0.48	-3.62	-3.14					

AUG. 24													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.07*	0.05	0.02	9.99	0.03	0.02	0.01	0.01	0.10	0.07	0.04	0.02	
9-10	0.20*	0.17	0.14	9.99	0.13	0.09	0.07	0.05	0.28	0.18	0.16	0.09	
10-11	0.27*	0.24	0.20	9.99	0.27	0.19	0.16	0.11	0.50	0.29	0.30	0.18	
11-12	0.40*	0.32	0.26	9.99	0.36	0.27	0.20	0.15	0.62	0.34	0.39	0.23	
12-13	0.48*	0.33	0.27	9.99	0.37	0.28	0.17	0.15	0.67	0.35	0.40	0.23	
13-14	0.26*	0.17	0.14	9.99	0.20	0.14	0.10	0.08	0.37	0.18	0.22	0.11	
14-15	0.10	0.07	0.05	9.99	0.08	0.05	0.03	0.03	0.11	0.05	0.08	0.03	
15-16	0.03	0.02	0.02	9.99	0.03	0.02	0.01	0.01	0.04	0.01	0.03	0.01	
16-17	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
17-18	0.30	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	2.12	1.36	1.10	99.99	1.47	1.05	0.74	0.58	2.69	1.47	1.62	0.90	

AUG. 24													
LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.30	0.45	0.30	0.46	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
1-2	0.30	0.45	0.31	0.47	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
2-3	0.31	0.45	0.32	0.48	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
3-4	0.31	0.46	0.32	0.48	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
4-5	0.32	0.46	0.32	0.47	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
5-6	0.33	0.46	0.34	0.48	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
6-7	0.34	0.46	0.35	0.49	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
7-8	0.34	0.46	0.36	0.49	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
8-9	0.34	0.47	0.39	0.51	0.04	-0.12	-0.09	0.001	0.000	0.000	0.000		
9-10	0.34	0.47	0.41	0.52	0.07	-0.13	-0.06	0.050	0.023	0.032	0.032		
10-11	0.34	0.48	0.43	0.54	0.00	-0.14	-0.14	0.265	0.234	0.211	0.190		
11-12	0.34	0.49	0.44	0.55	0.04	-0.15	-0.11	0.367	0.314	0.284	0.251		
12-13	0.34	0.51	0.45	0.57	0.11	-0.17	-0.06	0.477	0.414	0.371	0.327		
13-14	0.33	0.51	0.46	0.58	0.05	-0.18	-0.12	0.251	0.220	0.195	0.171		
14-15	0.35	0.51	0.46	0.56	0.02	-0.15	-0.14	0.002	0.001	0.000	0.000		
15-16	0.52	0.52	0.57	0.57	0.00	0.01	0.01	0.0	0.0	0.0	0.0		
16-17	0.53	0.53	0.57	0.58	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0		
17-18	0.55	0.54	0.58	0.59	0.30	0.01	0.31	0.0	0.0	0.0	0.0		
18-19	0.55	0.55	0.58	0.58	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
19-20	0.58	0.55	0.58	0.57	0.0	0.03	0.03	0.0	0.0	0.0	0.0		
20-21	0.58	0.56	0.59	0.57	0.0	0.03	0.03	0.0	0.0	0.0	0.0		
21-22	0.58	0.57	0.59	0.58	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
22-23	0.59	0.58	0.60	0.58	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
23-24	0.61	0.59	0.61	0.59	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
TOTAL	10.03	12.05	10.91	12.86	0.64	-2.02	-1.38						

SHORTWAVE RADIATION (MJ/M**2)													
AUG. 25													
HOUR	GLOBAL(SURFACE)				REFLECTED(SURFACE)				GLOBAL(30M)		REFLECTED(30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5- 6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6- 7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7- 8	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8- 9	0.03	0.02	0.01	9.99	0.03	0.01	0.01	0.01	0.04	0.01	0.03	0.01	
9-10	0.10	0.07	0.05	9.99	0.09	0.05	0.03	0.03	0.11	0.04	0.08	0.03	
10-11	0.17	0.12	0.08	9.99	0.15	0.09	0.04	0.03	0.18	0.08	0.13	0.05	
11-12	0.34	0.25	0.22	9.99	0.29	0.21	0.15	0.13	0.35	0.17	0.25	0.11	
12-13	0.50	0.39	0.31	9.99	0.43	0.33	0.25	0.20	0.52	0.28	0.40	0.21	
13-14	0.28	0.20	0.16	9.99	0.25	0.17	0.13	0.10	0.29	0.14	0.22	0.11	
14-15	0.13	0.08	0.06	9.99	0.12	0.07	0.05	0.03	0.14	0.06	0.11	0.04	
15-16	0.06	0.04	0.03	9.99	0.05	0.03	0.02	0.02	0.07	0.03	0.05	0.02	
16-17	0.0	0.00	0.0	9.99	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	1.60	1.18	0.93	99.99	1.40	0.98	99.99	0.55	1.70	0.80	1.27	0.56	

LONGWAVE RADIATION (MJ/M**2)													
AUG. 25													
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.62	0.59	0.62	0.60	0.0	0.02	0.02	0.0	0.0	0.0	0.0		
1- 2	0.61	0.60	0.62	0.61	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
2- 3	0.63	0.62	0.63	0.63	0.0	0.01	0.01	0.0	0.0	0.0	0.0		
3- 4	0.61	0.62	0.61	0.62	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
4- 5	0.60	0.62	0.60	0.62	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
5- 6	0.58	0.63	0.58	0.63	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
6- 7	0.60	0.63	0.59	0.63	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
7- 8	0.56	0.63	0.56	0.63	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0		
8- 9	0.59	0.63	0.58	0.63	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
9-10	0.53	0.62	0.52	0.63	0.01	-0.10	-0.09	0.0	0.0	0.0	0.0		
10-11	0.57	0.62	0.56	0.63	0.02	-0.06	-0.03	0.0	0.0	0.0	0.0		
11-12	0.59	0.63	0.59	0.63	0.05	-0.04	0.00	0.0	0.0	0.0	0.0		
12-13	0.52	0.63	0.51	0.64	0.08	-0.11	-0.04	0.0	0.0	0.0	0.0		
13-14	0.47	0.62	0.47	0.63	0.03	-0.15	-0.12	0.0	0.0	0.0	0.0		
14-15	0.46	0.62	0.46	0.63	0.01	-0.15	-0.14	0.0	0.0	0.0	0.0		
15-16	0.47	0.61	0.47	0.62	0.00	-0.14	-0.14	0.0	0.0	0.0	0.0		
16-17	0.47	0.61	0.47	0.62	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
17-18	0.50	0.61	0.50	0.61	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
18-19	0.47	0.60	0.47	0.60	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
19-20	0.47	0.59	0.46	0.59	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
20-21	0.44	0.58	0.44	0.59	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
21-22	0.44	0.58	0.44	0.59	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
22-23	0.48	0.58	0.49	0.59	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
23-24	0.49	0.57	0.49	0.58	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0		
TOTAL	12.76	14.62	12.75	14.79	0.20	-1.86	-1.66						

AUG. 26 : SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8-9	0.03	0.02	0.02	9.99	0.03	0.02	0.01	0.01	0.04	0.01	0.03	0.01	
9-10	0.14	0.10	0.08	9.99	0.12	0.08	0.05	0.04	0.14	0.07	0.11	0.04	
10-11	0.27	0.21	0.16	9.99	0.22	0.15	0.11	0.09	0.27	0.13	0.20	0.09	
11-12	0.39	0.30	0.23	9.99	0.30	0.22	0.16	0.12	0.38	0.18	0.29	0.14	
12-13	0.41	0.30	0.22	9.99	0.31	0.21	0.17	0.13	0.39	0.18	0.29	0.14	
13-14	0.34	0.25	0.19	9.99	0.26	0.19	0.14	0.11	0.33	0.15	0.25	0.12	
14-15	0.22	0.17	0.13	9.99	0.17	0.13	0.09	0.08	0.22	0.10	0.17	0.08	
15-16	0.05	0.04	0.02	9.99	0.05	0.03	0.02	0.01	0.06	0.02	0.05	0.01	
16-17	0.0	0.0	0.0	9.99	0.00	0.0	0.0	0.0	0.00	0.0	0.0	0.0	
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	1.86	1.39	1.04	99.99	1.46	1.02	0.75	0.58	1.83	0.85	1.39	0.64	

AUG. 26 : LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.54	0.57	0.54	0.58	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
1-2	0.55	0.57	0.55	0.58	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
2-3	0.51	0.57	0.52	0.58	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
3-4	0.47	0.57	0.47	0.57	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
4-5	0.43	0.56	0.43	0.56	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
5-6	0.43	0.56	0.44	0.57	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
6-7	0.43	0.55	0.43	0.56	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0		
7-8	0.43	0.55	0.44	0.55	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
8-9	0.44	0.54	0.45	0.55	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
9-10	0.47	0.55	0.47	0.55	0.02	-0.08	-0.06	0.001	0.0	0.0	0.0		
10-11	0.46	0.55	0.46	0.56	0.05	-0.09	-0.03	0.026	0.022	0.021	0.018		
11-12	0.44	0.56	0.44	0.56	0.09	-0.12	-0.03	0.105	0.092	0.082	0.072		
12-13	0.40	0.55	0.41	0.56	0.10	-0.15	-0.05	0.153	0.136	0.118	0.105		
13-14	0.42	0.56	0.43	0.57	0.09	-0.14	-0.05	0.134	0.120	0.106	0.094		
14-15	0.41	0.55	0.42	0.56	0.05	-0.15	-0.10	0.079	0.078	0.068	0.056		
15-16	0.39	0.55	0.40	0.56	0.00	-0.15	-0.15	0.0	0.0	0.0	0.0		
16-17	0.39	0.54	0.40	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
17-18	0.41	0.54	0.42	0.54	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
18-19	0.38	0.53	0.40	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
19-20	0.39	0.53	0.40	0.54	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
20-21	0.42	0.53	0.43	0.54	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
21-22	0.42	0.53	0.44	0.54	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
22-23	0.42	0.53	0.42	0.54	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0		
23-24	0.40	0.53	0.41	0.54	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
TOTAL	10.44	13.15	10.60	13.34	0.40	-2.71	-2.31						

AUG. 27 : SHORTWAVE RADIATION (MJ/M**2)												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0
8-9	0.08*	0.07	0.05	9.99	0.06	0.03	0.02	0.02	0.06	0.02	0.06	0.03
9-10	0.31*	0.23	0.18	9.99	0.19	0.14	0.11	0.08	0.20	0.11	0.21	0.12
10-11	0.46*	0.34	0.26	9.99	0.33	0.24	0.19	0.14	0.37	0.19	0.35	0.19
11-12	0.51	0.36	0.29	9.99	0.40	0.29	0.24	0.17	0.46	0.24	0.42	0.24
12-13	0.55	0.41	0.33	9.99	0.44	0.33	0.25	0.20	0.51	0.28	0.46	0.25
13-14	0.37	0.29	0.22	9.99	0.31	0.23	0.17	0.14	0.37	0.19	0.29	0.13
14-15	0.19	0.15	0.11	9.99	0.16	0.12	0.08	0.07	0.20	0.10	0.15	0.07
15-16	0.08	0.07	0.05	9.99	0.07	0.05	0.04	0.03	0.09	0.04	0.07	0.02
16-17	0.10	0.08	0.01	9.99	0.01	0.00	0.0	0.0	0.02	0.0	0.01	0.0
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0.0
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.02	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
TOTAL	2.64	2.01	1.52	99.99	1.97	1.43	1.10	0.86	2.28	1.18	2.08	1.04

AUG. 27 : LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.36	0.52	0.38	0.53	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0
1-2	0.36	0.52	0.37	0.52	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0
2-3	0.36	0.51	0.37	0.52	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
3-4	0.39	0.51	0.40	0.52	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0
4-5	0.37	0.51	0.37	0.52	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
5-6	0.36	0.51	0.36	0.51	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
6-7	0.37	0.51	0.38	0.51	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0
7-8	0.36	0.51	0.37	0.51	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
8-9	0.35	0.50	0.37	0.52	0.03	-0.15	-0.13	0.053	0.040	0.048	0.045	
9-10	0.35	0.50	0.36	0.52	0.11	-0.16	-0.04	0.213	0.166	0.180	0.162	
10-11	0.35	0.51	0.35	0.53	0.13	-0.15	-0.02	0.426	0.363	0.340	0.297	
11-12	0.35	0.51	0.36	0.52	0.10	-0.16	-0.05	0.508	0.450	0.395	0.349	
12-13	0.40	0.51	0.40	0.52	0.11	-0.12	-0.01	0.428	0.378	0.330	0.292	
13-14	0.54	0.52	0.54	0.52	0.06	0.02	0.08	0.012	0.009	0.008	0.006	
14-15	0.52	0.52	0.52	0.52	0.03	-0.00	0.02	0.0	0.0	0.0	0.0	
15-16	0.50	0.52	0.51	0.53	0.00	-0.02	-0.02	0.0	0.0	0.0	0.0	
16-17	0.44	0.51	0.45	0.52	0.10	-0.08	0.02	0.0	0.0	0.0	0.0	
17-18	0.39	0.50	0.39	0.50	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
18-19	0.37	0.49	0.37	0.49	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
19-20	0.40	0.49	0.38	0.49	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
20-21	0.39	0.48	0.38	0.49	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
21-22	0.46	0.48	0.46	0.48	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	
22-23	0.51	0.49	0.51	0.49	0.0	0.01	0.01	0.0	0.0	0.0	0.0	
23-24	0.46	0.49	0.46	0.49	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
TOTAL	9.69	12.14	9.80	12.27	0.67	-2.45	-1.78					



SHORTWAVE RADIATION (MJ/M**2)													
AUG. 28													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
6-7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
7-8	0.0	0.0	0.0	9.99	0.00	0.0	0.0	0.0	0.01	0.0	9.99	0.0	
8-9	0.04*	0.04	0.02	9.99	0.04	0.03	0.02	0.00	0.05	0.02	9.99	0.01	
9-10	0.18*	0.14	0.11	9.99	0.14	0.10	0.07	0.06	0.18	0.09	9.99	0.07	
10-11	0.38*	0.31	0.24	9.99	0.31	0.23	0.18	0.14	0.41	0.22	9.99	0.18	
11-12	0.46	0.36	0.28	9.99	0.37	0.28	0.21	0.17	0.49	0.25	9.99	0.22	
12-13	0.42	0.32	0.25	9.99	0.34	0.25	0.19	0.15	0.44	0.21	9.99	0.19	
13-14	0.41	0.31	0.24	9.99	0.32	0.24	0.18	0.15	0.44	0.21	9.99	0.21	
14-15	0.26	0.20	0.15	9.99	0.21	0.16	0.12	0.10	0.29	0.13	9.99	0.14	
15-16	0.08	0.07	0.05	9.99	0.08	0.05	0.04	0.03	0.11	0.04	9.99	0.05	
16-17	0.06	0.05	0.00	9.99	0.01	0.00	0.0	0.0	0.02	0.0	9.99	0.0	
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
TOTAL	2.28	1.78	1.34	99.99	1.84	1.35	1.00	0.81	2.44	1.17	99.99	1.05	

LONGWAVE RADIATION (MJ/M**2)      NET RADIATION (MJ/M**2)      DIRECT RADIATION (KW/M**2)													
AUG. 28													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.45	0.49	0.44	0.49	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
1-2	0.40	0.49	0.39	0.49	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0		
2-3	0.46	0.49	0.45	0.49	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
3-4	0.49	0.49	0.49	0.49	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0		
4-5	0.47	0.50	0.47	0.50	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0		
5-6	0.45	0.50	0.44	0.50	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
6-7	0.46	0.50	0.46	0.50	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
7-8	0.43	0.50	0.42	0.50	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0		
8-9	0.40	0.50	0.39	0.50	0.00	-0.10	-0.10	0.0	0.0	0.0	0.0		
9-10	0.39	0.50	0.38	0.50	0.04	-0.10	-0.07	0.005	0.002	0.002	0.002		
10-11	0.39	0.51	0.37	0.51	0.07	-0.12	-0.05	0.050	0.033	0.034	0.031		
11-12	0.37	0.51	0.36	0.51	0.09	-0.13	-0.05	0.099	0.078	0.065	0.063		
12-13	0.38	0.51	0.37	0.52	0.08	-0.13	-0.05	0.089	0.076	0.059	0.056		
13-14	0.36	0.51	0.34	0.52	0.08	-0.16	-0.07	0.131	0.108	0.091	0.078		
14-15	0.35	0.51	0.33	0.51	0.04	-0.16	-0.11	0.065	0.042	0.024	0.028		
15-16	0.35	0.50	0.33	0.51	0.01	-0.16	-0.15	0.005	0.001	0.000	0.001		
16-17	0.35	0.50	0.32	0.51	0.05	-0.15	-0.10	0.0	0.0	0.0	0.0		
17-18	0.34	0.50	0.32	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
18-19	0.34	0.49	0.32	0.50	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
19-20	0.34	0.49	0.32	0.49	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
20-21	0.36	0.49	0.32	0.49	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
21-22	0.36	0.49	0.32	0.49	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
22-23	0.37	0.49	0.32	0.50	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
23-24	0.37	0.49	0.32	0.50	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0		
TOTAL	9.42	11.94	9.00	12.02	0.45	-2.52	-2.07						

SHORTWAVE RADIATION (MJ/M**2)													
AUG. 29													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.0	0.0	0.0	9.99	0.00	0.0	0.0	0.0	0.01	0.0	0.00	0.0	
8-9	0.09*	0.08	0.06	9.99	0.07	0.04	0.03	0.02	0.14	0.08	0.09	0.05	
9-10	0.37*	0.29	0.23	9.99	0.22	0.16	0.12	0.10	0.43	0.21	0.26	0.16	
10-11	0.55*	0.41	0.34	9.99	0.37	0.27	0.22	0.17	0.70	0.31	0.39	0.23	
11-12	0.52	0.41	0.33	9.99	0.46	0.34	0.26	0.20	0.83	0.34	0.46	0.27	
12-13	0.60	0.41	0.34	9.99	0.46	0.34	0.26	0.20	0.85	0.33	0.47	0.29	
13-14	0.56	0.36	0.30	9.99	0.40	0.29	0.22	0.18	0.74	0.27	0.42	0.26	
14-15	0.40	0.26	0.21	9.99	0.27	0.21	0.16	0.13	0.56	0.18	0.32	0.21	
15-16	0.19	0.12	0.09	9.99	0.11	0.08	0.06	0.05	0.30	0.07	0.18	0.12	
16-17	0.01	0.01	0.01	9.99	0.01	0.01	0.00	0.0	0.04	0.0	0.03	0.01	
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	3.29	2.33	1.91	99.99	2.38	1.73	1.34	1.05	4.61	1.79	2.63	1.60	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
AUG. 29													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.37	0.49	0.33	0.50	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
1-2	0.38	0.50	0.34	0.50	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	
2-3	0.37	0.50	0.34	0.50	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	
3-4	0.37	0.50	0.33	0.51	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
4-5	0.37	0.51	0.33	0.52	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	
5-6	0.37	0.52	0.33	0.53	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
6-7	0.36	0.53	0.32	0.54	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	
7-8	0.36	0.53	0.32	0.54	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	
8-9	0.36	0.53	0.32	0.55	0.02	-0.18	-0.15	0.012	0.007	0.007	0.007	0.007	
9-10	0.36	0.54	0.32	0.55	0.15	-0.18	-0.03	0.116	0.080	0.084	0.079	0.079	
10-11	0.35	0.55	0.33	0.56	0.17	-0.20	-0.02	0.301	0.257	0.230	0.202	0.202	
11-12	0.35	0.56	0.33	0.57	0.06	-0.21	-0.14	0.442	0.387	0.324	0.291	0.291	
12-13	0.35	0.56	0.34	0.58	0.14	-0.21	-0.07	0.477	0.416	0.344	0.313	0.313	
13-14	0.36	0.57	0.35	0.59	0.16	-0.21	-0.05	0.504	0.439	0.386	0.334	0.334	
14-15	0.36	0.57	0.35	0.59	0.13	-0.21	-0.08	0.387	0.328	0.267	0.245	0.245	
15-16	0.34	0.57	0.34	0.56	0.08	-0.22	-0.15	0.200	0.166	0.105	0.117	0.117	
16-17	0.34	0.56	0.34	0.56	0.00	-0.22	-0.22	0.007	0.005	0.002	0.003	0.003	
17-18	0.37	0.56	0.36	0.56	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0	
18-19	0.36	0.56	0.33	0.55	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	0.0	
19-20	0.36	0.56	0.34	0.56	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	
20-21	0.37	0.55	0.34	0.57	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0	
21-22	0.37	0.56	0.34	0.56	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0	
22-23	0.39	0.56	0.35	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	
23-24	0.39	0.56	0.34	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	
TOTAL	8.72	13.01	8.07	13.18	0.91	-4.29	-3.38						

AUG. 30 SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.01	0.0	0.0	9.99	0.00	0.0	0.0	0.0	0.01	0.0	0.00	0.0	
8-9	0.06	0.05	0.03	9.99	0.05	0.03	0.02	0.01	0.07	0.02	0.05	0.01	
9-10	0.17	0.12	0.09	9.99	0.15	0.10	0.07	0.05	0.18	0.08	0.13	0.05	
10-11	0.27	0.19	0.13	9.99	0.23	0.15	0.11	0.08	0.27	0.12	0.19	0.08	
11-12	0.31	0.23	0.16	9.99	0.27	0.18	0.12	0.10	0.31	0.14	0.22	0.10	
12-13	0.31	0.22	0.16	9.99	0.27	0.18	0.12	0.10	0.31	0.14	0.22	0.09	
13-14	0.30	0.22	0.16	9.99	0.26	0.18	0.13	0.11	0.31	0.14	0.22	0.10	
14-15	0.19	0.14	0.10	9.99	0.16	0.11	0.07	0.06	0.19	0.09	0.14	0.06	
15-16	0.09	0.06	0.05	9.99	0.08	0.05	0.03	0.02	0.09	0.04	0.07	0.02	
16-17	0.01	0.00	0.00	9.99	0.01	0.00	0.00	0.0	0.01	0.00	0.01	0.0	
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.00	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	1.71	1.24	0.87	99.99	1.48	0.99	0.67	0.54	1.76	0.77	1.24	0.52	

AUG. 30 LONGWAVE RADIATION (MJ/M**2) NET RADIATION (MJ/M**2) DIRECT RADIATION (KW/M**2)													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.39	0.55	0.35	0.56	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
1-2	0.41	0.56	0.37	0.56	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
2-3	0.46	0.56	0.43	0.57	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
3-4	0.53	0.57	0.52	0.59	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0		
4-5	0.57	0.59	0.56	0.60	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
5-6	0.57	0.61	0.56	0.61	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
6-7	0.58	0.61	0.57	0.62	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
7-8	0.59	0.61	0.59	0.61	0.01	-0.02	-0.01	0.0	0.0	0.0	0.0		
8-9	0.61	0.61	0.60	0.62	0.00	-0.00	0.00	0.0	0.0	0.0	0.0		
9-10	0.63	0.63	0.63	0.63	0.02	-0.00	0.02	0.0	0.0	0.0	0.0		
10-11	0.63	0.64	0.64	0.64	0.04	-0.00	0.04	0.0	0.0	0.0	0.0		
11-12	0.65	0.64	0.65	0.64	0.04	0.01	0.05	0.0	0.0	0.0	0.0		
12-13	0.66	0.65	0.66	0.65	0.04	0.01	0.06	0.0	0.0	0.0	0.0		
13-14	0.65	0.66	0.65	0.66	0.04	-0.01	0.03	0.0	0.0	0.0	0.0		
14-15	0.66	0.67	0.66	0.67	0.02	-0.00	0.02	0.0	0.0	0.0	0.0		
15-16	0.67	0.67	0.67	0.67	0.01	-0.00	0.00	0.0	0.0	0.0	0.0		
16-17	0.66	0.67	0.66	0.67	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0		
17-18	0.64	0.67	0.63	0.67	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
18-19	0.65	0.68	0.63	0.68	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
19-20	0.66	0.69	0.64	0.69	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
20-21	0.65	0.69	0.62	0.70	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
21-22	0.66	0.70	0.64	0.70	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0		
22-23	0.64	0.70	0.61	0.70	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
23-24	0.64	0.69	0.61	0.69	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
TOTAL	14.45	15.32	14.17	15.42	0.23	-0.88	-0.65						

SHORTWAVE RADIATION (MJ/M**2)													
AUG. 31													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.00	0.00	0.0	9.99	0.00	0.0	0.0	0.0	0.01	0.0	0.00	0.0	
8-9	0.07	0.06	0.03	9.99	0.07	0.04	0.03	0.02	0.08	0.03	0.06	0.02	
9-10	0.19	0.14	0.10	9.99	0.17	0.11	0.07	0.06	0.20	0.09	0.15	0.06	
10-11	0.30	0.22	0.16	9.99	0.26	0.18	0.12	0.10	0.31	0.15	0.25	0.10	
11-12	0.36	0.26	0.19	9.99	0.31	0.21	0.15	0.12	0.37	0.16	0.29	0.10	
12-13	0.35	0.26	0.19	9.99	0.30	0.21	0.14	0.12	0.36	0.16	0.29	0.10	
13-14	0.28	0.21	0.15	9.99	0.25	0.17	0.12	0.10	0.29	0.13	0.24	0.09	
14-15	0.19	0.14	0.10	9.99	0.16	0.11	0.07	0.06	0.20	0.09	0.16	0.06	
15-16	0.09	0.07	0.04	9.99	0.08	0.05	0.04	0.03	0.10	0.04	0.08	0.02	
16-17	0.00	0.00	0.0	9.99	0.01	0.0	0.0	0.0	0.01	0.0	0.01	0.0	
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	1.83	1.37	0.96	99.99	1.62	1.07	0.75	0.61	1.93	0.86	1.55	0.55	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
AUG. 31													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.65	0.69	0.64	0.69	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	
1-2	0.66	0.69	0.65	0.69	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	
2-3	0.64	0.69	0.64	0.69	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	
3-4	0.63	0.69	0.63	0.69	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	
4-5	0.63	0.69	0.62	0.69	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	
5-6	0.62	0.68	0.60	0.68	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	
6-7	0.63	0.68	0.61	0.68	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0	
7-8	0.60	0.68	0.60	0.68	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	
8-9	0.59	0.67	0.59	0.67	0.00	-0.08	-0.07	0.0	0.0	0.0	0.0	0.0	
9-10	0.61	0.67	0.61	0.67	0.02	-0.06	-0.04	0.0	0.0	0.0	0.0	0.0	
10-11	0.61	0.67	0.61	0.67	0.04	-0.06	-0.02	0.0	0.0	0.0	0.0	0.0	
11-12	0.61	0.67	0.61	0.67	0.05	-0.06	-0.01	0.0	0.0	0.0	0.0	0.0	
12-13	0.60	0.66	0.60	0.67	0.05	-0.06	-0.01	0.0	0.0	0.0	0.0	0.0	
13-14	0.60	0.66	0.60	0.66	0.04	-0.06	-0.02	0.0	0.0	0.0	0.0	0.0	
14-15	0.58	0.65	0.58	0.65	0.02	-0.07	-0.05	0.0	0.0	0.0	0.0	0.0	
15-16	0.61	0.65	0.61	0.65	0.01	-0.04	-0.03	0.0	0.0	0.0	0.0	0.0	
16-17	0.62	0.64	0.62	0.64	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	
17-18	0.63	0.64	0.63	0.64	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0	
18-19	0.62	0.64	0.62	0.64	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0	
19-20	0.62	0.63	0.62	0.63	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0	
20-21	0.63	0.63	0.63	0.63	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	0.0	
21-22	0.59	0.63	0.59	0.63	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0	
22-23	0.56	0.63	0.56	0.63	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	
23-24	0.56	0.63	0.56	0.63	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0	
TOTAL	14.71	15.84	14.64	15.84	0.23	-1.13	-0.91						

SHORTWAVE RADIATION (MJ/M**2)												
SEP. 1	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0
1- 2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0
2- 3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0
3- 4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0
4- 5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0
5- 6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0
6- 7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0
7- 8	0.01	0.01	0.0	9.99	0.01	0.00	0.0	0.0	0.01	0.0	9.99	0.0
8- 9	0.04	0.03	0.02	9.99	0.03	0.02	0.01	0.01	0.05	0.01	9.99	0.01
9-10	0.15	0.13	0.09	9.99	0.14	0.11	0.09	0.06	0.16	0.10	9.99	0.03
10-11	0.39	0.31	0.23	9.99	0.34	0.24	0.18	0.14	0.41	0.21	9.99	0.15
11-12	0.55	0.42	0.33	9.99	0.46	0.33	0.24	0.20	0.56	0.30	9.99	0.23
12-13	0.49	0.36	0.28	9.99	0.40	0.29	0.21	0.17	0.48	0.25	9.99	0.21
13-14	0.43	0.32	0.24	9.99	0.35	0.25	0.18	0.15	0.43	0.22	9.99	0.17
14-15	0.33	0.24	0.19	9.99	0.26	0.19	0.14	0.12	0.31	0.16	9.99	0.15
15-16	0.24	0.19	0.16	9.99	0.19	0.15	0.12	0.10	0.24	0.14	9.99	0.14
16-17	0.11	0.10	0.05	9.99	0.04	0.03	0.02	0.02	0.06	0.07	9.99	0.02
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0
TOTAL	2.74	2.10	1.58	99.99	2.22	1.61	1.19	0.96	2.71	1.45	99.99	1.10

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
SEP. 1	(SURFACE)		(30M)		(SURFACE)			(BLANK)				
HR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0- 1	0.55	0.63	0.55	0.63	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	
1- 2	0.61	0.63	0.61	0.63	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	
2- 3	0.58	0.63	0.58	0.63	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
3- 4	0.56	0.62	0.56	0.62	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	
4- 5	0.51	0.60	0.52	0.61	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
5- 6	0.49	0.60	0.48	0.61	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
6- 7	0.46	0.60	0.45	0.60	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
7- 8	0.46	0.59	0.46	0.59	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
8- 9	0.46	0.58	0.46	0.59	0.01	-0.12	-0.11	0.0	0.0	0.0	0.0	
9-10	0.50	0.58	0.50	0.59	0.02	-0.08	-0.06	0.001	0.0	0.0	0.0	
10-11	0.51	0.60	0.50	0.60	0.06	-0.09	-0.03	0.012	0.009	0.008	0.006	
11-12	0.50	0.60	0.49	0.60	0.10	-0.10	-0.00	0.036	0.031	0.026	0.022	
12-13	0.47	0.60	0.45	0.61	0.09	-0.13	-0.04	0.050	0.042	0.035	0.030	
13-14	0.50	0.61	0.48	0.61	0.07	-0.11	-0.03	0.014	0.011	0.009	0.007	
14-15	0.47	0.61	0.44	0.61	0.06	-0.14	-0.08	0.022	0.017	0.014	0.013	
15-16	0.47	0.61	0.44	0.62	0.05	-0.14	-0.09	0.006	0.005	0.004	0.004	
16-17	0.46	0.61	0.42	0.61	0.07	-0.15	-0.08	0.0	0.0	0.0	0.0	
17-18	0.46	0.61	0.41	0.61	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
18-19	0.47	0.61	0.42	0.61	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
19-20	0.49	0.61	0.42	0.61	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
20-21	0.50	0.61	0.43	0.61	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
21-22	0.50	0.61	0.43	0.61	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
22-23	0.50	0.61	0.43	0.61	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
23-24	0.51	0.61	0.44	0.61	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
TOTAL	11.99	14.57	11.37	14.63	0.53	-2.58	-2.05					

SHORTWAVE RADIATION (MJ/M**2)												
SEP. 2	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HOUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6- 7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7- 8	0.01	0.0	0.0	9.99	0.01	0.0	0.0	0.0	0.01	0.0	0.01	0.0
8- 9	0.11	0.08	0.06	9.99	0.08	0.06	0.04	0.03	0.13	0.06	0.09	0.03
9-10	0.22	0.17	0.12	9.99	0.20	0.13	0.10	0.07	0.24	0.10	0.19	0.07
10-11	0.31	0.22	0.16	9.99	0.26	0.19	0.13	0.10	0.34	0.15	0.27	0.10
11-12	0.37	0.26	0.19	9.99	0.31	0.22	0.15	0.12	0.40	0.18	0.31	0.12
12-13	0.33	0.22	0.16	9.99	0.28	0.19	0.13	0.11	0.36	0.14	0.28	0.11
13-14	0.27	0.18	0.13	9.99	0.24	0.16	0.11	0.09	0.31	0.13	0.24	0.09
14-15	0.20	0.12	0.10	9.99	0.18	0.08	0.08	0.07	0.23	0.10	0.18	0.07
15-16	0.07	0.05	0.03	9.99	0.07	0.04	0.02	0.01	0.09	0.03	0.07	0.03
16-17	0.02	0.0	0.0	9.99	0.02	0.0	0.0	0.0	0.02	0.0	0.02	0.0
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	1.91	1.30	0.96	99.99	1.64	1.07	0.76	0.61	2.12	0.90	1.65	0.63

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
SEP. 2	(SURFACE)		(30M)		(SURFACE)			(BLANK)				
HOUR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0- 1	0.51	0.60	0.51	0.60	0.0	-0.09	-0.09	9.990	9.990	9.990	9.990	
1- 2	0.51	0.60	0.51	0.60	0.0	-0.09	-0.09	9.990	9.990	9.990	9.990	
2- 3	0.50	0.59	0.50	0.59	0.0	-0.09	-0.09	9.990	9.990	9.990	9.990	
3- 4	0.49	0.58	0.49	0.58	0.0	-0.09	-0.09	9.990	9.990	9.990	9.990	
4- 5	0.51	0.58	0.51	0.58	0.0	-0.07	-0.07	9.990	9.990	9.990	9.990	
5- 6	0.51	0.58	0.51	0.58	0.0	-0.06	-0.06	9.990	9.990	9.990	9.990	
6- 7	0.52	0.57	0.52	0.57	0.0	-0.06	-0.06	9.990	9.990	9.990	9.990	
7- 8	0.53	0.58	0.53	0.58	0.00	-0.05	-0.05	9.990	9.990	9.990	9.990	
8- 9	0.56	0.58	0.56	0.58	0.03	-0.03	-0.00	9.990	9.990	9.990	9.990	
9-10	0.58	0.61	0.58	0.61	0.02	-0.02	-0.00	9.990	9.990	9.990	9.990	
10-11	0.63	0.63	0.64	0.63	0.05	0.00	0.05	9.990	9.990	9.990	9.990	
11-12	0.63	0.64	0.63	0.64	0.06	-0.01	0.05	9.990	9.990	9.990	9.990	
12-13	0.64	0.65	0.64	0.65	0.05	-0.01	0.04	9.990	9.990	9.990	9.990	
13-14	0.64	0.65	0.64	0.65	0.04	-0.01	0.03	9.990	9.990	9.990	9.990	
14-15	0.65	0.66	0.65	0.66	0.03	-0.01	0.02	9.990	9.990	9.990	9.990	
15-16	0.66	0.66	0.66	0.66	0.01	-0.00	0.00	9.990	9.990	9.990	9.990	
16-17	0.65	0.66	0.65	0.66	0.00	-0.00	-0.00	9.990	9.990	9.990	9.990	
17-18	0.65	0.33	0.65	0.33	0.0	0.32	0.32	9.990	9.990	9.990	9.990	
18-19	0.63	0.65	0.63	0.65	0.0	-0.01	-0.01	9.990	9.990	9.990	9.990	
19-20	0.62	0.64	0.62	0.64	0.0	-0.02	-0.02	9.990	9.990	9.990	9.990	
20-21	0.61	0.64	0.61	0.64	0.0	-0.03	-0.03	9.990	9.990	9.990	9.990	
21-22	0.59	0.63	0.59	0.63	0.0	-0.03	-0.03	9.990	9.990	9.990	9.990	
22-23	0.59	0.62	0.59	0.62	0.0	-0.03	-0.03	9.990	9.990	9.990	9.990	
23-24	0.60	0.62	0.60	0.62	0.0	-0.02	-0.02	9.990	9.990	9.990	9.990	
TOTAL	14.00	14.53	14.01	14.52	0.27	-0.52	-0.25					

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SEP. 3		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.01	0.0	0.0	9.99	0.01	0.0	0.0	0.0	0.01	0.0	0.01	0.0	
8-9	0.08	0.06	0.04	9.99	0.08	0.04	0.02	0.01	0.09	0.03	0.08	0.01	
9-10	0.28	0.22	0.16	9.99	0.23	0.17	0.15	0.11	0.31	0.17	0.24	0.10	
10-11	0.38	0.29	0.21	9.99	0.33	0.22	0.17	0.14	0.42	0.20	0.37	0.14	
11-12	0.41	0.31	0.23	9.99	0.34	0.24	0.17	0.14	0.47	0.24	0.37	0.17	
12-13	0.51	0.40	0.30	9.99	0.43	0.31	0.23	0.19	0.60	0.31	0.49	0.24	
13-14	0.36	0.24	0.20	9.99	0.31	0.19	0.16	0.13	0.43	0.22	0.35	0.17	
14-15	0.21	0.15	0.12	9.99	0.19	0.13	0.09	0.08	0.25	0.13	0.20	0.08	
15-16	0.11	0.08	0.05	9.99	0.10	0.06	0.04	0.04	0.13	0.05	0.10	0.04	
16-17	0.02	0.02	0.01	9.99	0.02	0.01	0.00	0.00	0.03	0.00	0.02	0.00	
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	2.37	1.77	1.31	99.99	2.03	1.38	1.03	0.85	2.72	1.36	2.21	0.95	

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SEP. 3		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (Kw/M**2)				
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		(BLANK)	(530)	(630)	(695)		
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	TOTAL						
0-1	0.60	0.62	0.60	0.62	0.0	-0.02	-0.02	9.990	9.990	9.990	9.990		
1-2	0.58	0.61	0.58	0.61	0.0	-0.03	-0.03	9.990	9.990	9.990	9.990		
2-3	0.57	0.61	0.57	0.61	0.0	-0.04	-0.04	9.990	9.990	9.990	9.990		
3-4	0.56	0.60	0.56	0.60	0.0	-0.04	-0.04	9.990	9.990	9.990	9.990		
4-5	0.56	0.60	0.56	0.60	0.0	-0.04	-0.04	9.990	9.990	9.990	9.990		
5-6	0.56	0.60	0.56	0.60	0.0	-0.04	-0.04	9.990	9.990	9.990	9.990		
6-7	0.54	0.60	0.54	0.60	0.0	-0.05	-0.05	9.990	9.990	9.990	9.990		
7-8	0.55	0.60	0.55	0.60	0.00	-0.05	-0.05	9.990	9.990	9.990	9.990		
8-9	0.54	0.60	0.54	0.60	0.00	-0.06	-0.06	9.990	9.990	9.990	9.990		
9-10	0.55	0.61	0.55	0.61	0.05	-0.06	-0.01	9.990	9.990	9.990	9.990		
10-11	0.57	0.62	0.57	0.62	0.06	-0.05	0.01	9.990	9.990	9.990	9.990		
11-12	0.59	0.64	0.51	0.64	0.07	-0.06	0.01	9.990	9.990	9.990	9.990		
12-13	0.59	0.65	0.51	0.65	0.08	-0.06	0.02	9.990	9.990	9.990	9.990		
13-14	0.59	0.65	0.51	0.65	0.05	-0.05	-0.00	9.990	9.990	9.990	9.990		
14-15	0.60	0.64	0.60	0.64	0.02	-0.04	-0.02	9.990	9.990	9.990	9.990		
15-16	0.64	0.65	0.63	0.65	0.01	-0.00	0.01	9.990	9.990	9.990	9.990		
16-17	0.65	0.67	0.64	0.67	0.00	-0.01	-0.01	9.990	9.990	9.990	9.990		
17-18	0.67	0.68	0.66	0.68	0.0	-0.01	-0.01	9.990	9.990	9.990	9.990		
18-19	0.69	0.69	0.70	0.69	0.0	-0.00	-0.00	9.990	9.990	9.990	9.990		
19-20	0.70	0.70	0.70	0.70	0.0	-0.00	-0.00	9.990	9.990	9.990	9.990		
20-21	0.70	0.70	0.70	0.70	0.0	-0.00	-0.00	9.990	9.990	9.990	9.990		
21-22	0.70	0.71	0.70	0.70	0.0	-0.00	-0.00	9.990	9.990	9.990	9.990		
22-23	0.71	0.72	0.72	0.72	0.0	-0.00	-0.00	9.990	9.990	9.990	9.990		
23-24	0.73	0.73	0.73	0.73	0.0	-0.00	-0.00	9.990	9.990	9.990	9.990		
TOTAL	14.75	15.49	14.50	15.48	0.34	-0.74	-0.40						

SEP. 4													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL(SURFACE)				REFLECTED(SURFACE)				GLOBAL(30M)		REFLECTED(30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.02	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.02	0.02	0.0	9.99	0.02	0.01	0.0	0.0	0.02	0.0	0.02	0.0	
8-9	0.09	0.07	0.05	9.99	0.09	0.05	0.04	0.01	0.11	0.03	0.09	0.01	
9-10	0.21	0.15	0.10	9.99	0.20	0.13	0.07	0.06	0.23	0.09	0.20	0.06	
10-11	0.33	0.25	0.18	9.99	0.30	0.20	0.13	0.11	0.38	0.17	0.30	0.12	
11-12	0.41	0.29	0.20	9.99	0.38	0.25	0.16	0.13	0.45	0.17	0.37	0.12	
12-13	0.55	0.41	0.30	9.99	0.48	0.34	0.23	0.18	0.60	0.28	0.48	0.19	
13-14	0.41	0.31	0.24	9.99	0.36	0.25	0.18	0.14	0.46	0.23	0.37	0.16	
14-15	0.25	0.18	0.14	9.99	0.22	0.15	0.10	0.08	0.29	0.14	0.22	0.09	
15-16	0.13	0.10	0.08	9.99	0.12	0.08	0.06	0.04	0.16	0.08	0.12	0.05	
16-17	0.05	0.02	0.02	9.99	0.03	0.01	0.01	0.01	0.04	0.01	0.03	0.01	
17-18	0.0	0.01	0.00	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	2.45	1.82	1.29	99.99	2.21	1.47	0.98	0.77	2.75	1.21	2.20	0.82	

SEP. 4													
LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.73	0.73	0.73	0.73	0.0	-0.00	-0.00	9.990	9.990	9.990	9.990		
1-2	0.73	0.73	0.73	0.73	0.0	-0.00	-0.00	9.990	9.990	9.990	9.990		
2-3	0.73	0.74	0.72	0.73	0.0	-0.01	-0.01	9.990	9.990	9.990	9.990		
3-4	0.74	0.74	0.72	0.74	0.0	-0.00	-0.00	9.990	9.990	9.990	9.990		
4-5	0.73	0.74	0.73	0.73	0.0	-0.00	-0.00	9.990	9.990	9.990	9.990		
5-6	0.73	0.74	0.73	0.73	0.0	-0.00	-0.00	9.990	9.990	9.990	9.990		
6-7	0.73	0.73	0.72	0.73	0.0	-0.00	-0.00	9.990	9.990	9.990	9.990		
7-8	0.73	0.73	0.72	0.73	0.0	-0.00	-0.00	9.990	9.990	9.990	9.990		
8-9	0.72	0.73	0.72	0.73	0.00	-0.00	-0.00	9.990	9.990	9.990	9.990		
9-10	0.72	0.73	0.72	0.73	0.01	-0.01	0.00	9.990	9.990	9.990	9.990		
10-11	0.71	0.72	0.68	0.72	0.03	-0.02	0.01	9.990	9.990	9.990	9.990		
11-12	0.71	0.72	0.71	0.72	0.03	-0.01	0.02	9.990	9.990	9.990	9.990		
12-13	0.70	0.72	0.69	0.71	0.06	-0.02	0.04	9.990	9.990	9.990	9.990		
13-14	0.66	0.71	0.61	0.71	0.05	-0.06	-0.00	9.990	9.990	9.990	9.990		
14-15	0.65	0.71	0.59	0.70	0.03	-0.06	-0.03	9.990	9.990	9.990	9.990		
15-16	0.65	0.70	0.57	0.70	0.01	-0.05	-0.04	9.990	9.990	9.990	9.990		
16-17	0.65	0.69	0.56	0.69	0.02	-0.05	-0.02	9.990	9.990	9.990	9.990		
17-18	0.63	0.69	0.55	0.69	0.0	-0.06	-0.06	9.990	9.990	9.990	9.990		
18-19	0.63	0.68	0.56	0.68	0.0	-0.06	-0.06	9.990	9.990	9.990	9.990		
19-20	0.61	0.68	0.54	0.68	0.0	-0.07	-0.07	9.990	9.990	9.990	9.990		
20-21	0.58	0.67	0.51	0.67	0.0	-0.09	-0.09	9.990	9.990	9.990	9.990		
21-22	0.57	0.67	0.51	0.67	0.0	-0.10	-0.10	9.990	9.990	9.990	9.990		
22-23	0.60	0.67	0.55	0.67	0.0	-0.07	-0.07	9.990	9.990	9.990	9.990		
23-24	0.61	0.68	0.57	0.67	0.0	-0.06	-0.06	9.990	9.990	9.990	9.990		
TOTAL	16.23	17.04	15.45	16.99	0.24	-0.81	-0.56						



SEP. 5		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.00	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.00	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.02	0.01	0.01	9.99	0.02	0.01	0.01	0.00	0.04	0.01	0.02	0.00	
8-9	0.12	0.09	0.05	9.99	0.06	0.09	0.05	0.04	0.13	0.05	0.12	0.03	
9-10	0.25	0.20	0.16	9.99	0.21	0.16	0.11	0.09	0.27	0.14	0.25	0.09	
10-11	0.39	0.31	0.23	9.99	0.33	0.24	0.18	0.14	0.44	0.22	0.36	0.15	
11-12	0.47	0.36	0.27	9.99	0.40	0.29	0.21	0.18	0.56	0.28	0.47	0.19	
12-13	0.50	0.39	0.29	9.99	0.42	0.31	0.22	0.19	0.59	0.30	0.49	0.18	
13-14	0.41	0.32	0.23	9.99	0.35	0.25	0.18	0.14	0.50	0.26	0.43	0.17	
14-15	0.23	0.17	0.12	9.99	0.20	0.14	0.09	0.08	0.28	0.13	0.23	0.09	
15-16	0.16	0.12	0.08	9.99	0.14	0.10	0.07	0.06	0.19	0.09	0.16	0.07	
16-17	0.02	0.01	0.00	9.99	0.02	0.01	0.0	0.0	0.03	0.0	0.02	0.0	
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.00	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	2.57	1.98	1.42	99.99	2.16	1.59	1.10	0.92	3.03	1.49	2.56	0.98	

SEP. 5		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (Kw/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE						
0-1	0.63	0.67	0.59	0.67	0.0	-0.05	-0.05	9.990	9.990	9.990	9.990	
1-2	0.63	0.67	0.60	0.67	0.0	-0.03	-0.03	9.990	9.990	9.990	9.990	
2-3	0.63	0.67	0.59	0.66	0.0	-0.03	-0.03	9.990	9.990	9.990	9.990	
3-4	0.60	0.65	0.55	0.65	0.0	-0.05	-0.05	9.990	9.990	9.990	9.990	
4-5	0.55	0.64	0.47	0.64	0.0	-0.09	-0.09	9.990	9.990	9.990	9.990	
5-6	0.53	0.63	0.45	0.63	0.0	-0.10	-0.10	9.990	9.990	9.990	9.990	
6-7	0.57	0.63	0.50	0.63	0.0	-0.06	-0.06	9.990	9.990	9.990	9.990	
7-8	0.58	0.63	0.52	0.63	0.00	-0.05	-0.05	9.990	9.990	9.990	9.990	
8-9	0.57	0.64	0.49	0.63	0.06	-0.07	-0.01	9.990	9.990	9.990	9.990	
9-10	0.57	0.64	0.48	0.63	0.04	-0.07	-0.03	9.990	9.990	9.990	9.990	
10-11	0.57	0.64	0.48	0.63	0.06	-0.07	-0.00	9.990	9.990	9.990	9.990	
11-12	0.58	0.64	0.48	0.64	0.08	-0.06	0.02	9.990	9.990	9.990	9.990	
12-13	0.58	0.64	0.50	0.64	0.08	-0.06	0.03	9.990	9.990	9.990	9.990	
13-14	0.58	0.65	0.49	0.64	0.06	-0.06	-0.01	9.990	9.990	9.990	9.990	
14-15	0.60	0.65	0.51	0.64	0.02	-0.05	-0.02	9.990	9.990	9.990	9.990	
15-16	0.61	0.65	0.50	0.64	0.01	-0.04	-0.03	9.990	9.990	9.990	9.990	
16-17	0.58	0.64	0.48	0.64	0.0	-0.06	-0.06	9.990	9.990	9.990	9.990	
17-18	0.58	0.64	0.49	0.64	0.0	-0.06	-0.06	9.990	9.990	9.990	9.990	
18-19	0.60	0.65	0.51	0.65	0.0	-0.05	-0.05	9.990	9.990	9.990	9.990	
19-20	0.59	0.64	0.51	0.64	0.0	-0.05	-0.05	9.990	9.990	9.990	9.990	
20-21	0.58	0.64	0.48	0.64	0.0	-0.06	-0.06	9.990	9.990	9.990	9.990	
21-22	0.53	0.64	0.47	0.64	0.0	-0.11	-0.11	9.990	9.990	9.990	9.990	
22-23	0.60	0.64	0.51	0.64	0.0	-0.04	-0.04	9.990	9.990	9.990	9.990	
23-24	0.61	0.64	0.55	0.64	0.0	-0.04	-0.04	9.990	9.990	9.990	9.990	
TOTAL	14.05	15.47	12.23	15.42	0.42	-1.41	-0.99					

SEP. 6												
SHORTWAVE RADIATION (MJ/M**2)												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-8	0.02	0.02	0.01	9.99	0.02	0.01	0.01	0.01	0.03	0.01	0.02	0.01
8-9	0.13	0.11	0.08	9.99	0.12	0.08	0.06	0.04	0.16	0.10	0.12	0.04
9-10	0.29	0.23	0.18	9.99	0.25	0.17	0.12	0.10	0.32	0.16	0.26	0.10
10-11	0.42	0.32	0.24	9.99	0.34	0.21	0.18	0.14	0.45	0.23	0.35	0.15
11-12	0.52	0.39	0.30	9.99	0.42	0.31	0.22	0.18	0.55	0.28	0.45	0.18
12-13	0.54	0.41	0.31	9.99	0.45	0.32	0.23	0.20	0.60	0.30	0.47	0.19
13-14	0.47	0.34	0.25	9.99	0.41	0.28	0.20	0.17	0.53	0.25	0.43	0.17
14-15	0.34	0.24	0.19	9.99	0.31	0.21	0.15	0.12	0.40	0.19	0.32	0.13
15-16	0.19	0.15	0.12	9.99	0.18	0.13	0.09	0.08	0.23	0.12	0.18	0.08
16-17	0.06	0.04	0.02	9.99	0.06	0.04	0.01	0.01	0.07	0.04	0.06	0.01
17-18	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	2.98	2.25	1.68	99.99	2.56	1.76	1.27	1.06	3.34	1.67	2.67	1.05

SEP. 6												
LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (Kw/M**2)												
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.61	0.64	0.55	0.64	0.0	-0.03	-0.03	9.990	9.990	9.990	9.990	
1-2	0.61	0.64	0.58	0.64	0.0	-0.04	-0.04	9.990	9.990	9.990	9.990	
2-3	0.60	0.64	0.54	0.64	0.0	-0.04	-0.04	9.990	9.990	9.990	9.990	
3-4	0.60	0.64	0.53	0.63	0.0	-0.04	-0.04	9.990	9.990	9.990	9.990	
4-5	0.60	0.64	0.54	0.63	0.0	-0.04	-0.04	9.990	9.990	9.990	9.990	
5-6	0.61	0.64	0.56	0.64	0.0	-0.03	-0.03	9.990	9.990	9.990	9.990	
6-7	0.62	0.64	0.59	0.64	0.0	-0.02	-0.02	9.990	9.990	9.990	9.990	
7-8	0.62	0.64	0.61	0.64	0.0	-0.01	-0.01	9.990	9.990	9.990	9.990	
8-9	0.59	0.64	0.57	0.64	0.01	-0.05	-0.03	9.990	9.990	9.990	9.990	
9-10	0.55	0.64	0.55	0.64	0.04	-0.08	-0.04	9.990	9.990	9.990	9.990	
10-11	0.55	0.64	0.52	0.64	0.08	-0.10	-0.02	9.990	9.990	9.990	9.990	
11-12	0.53	0.65	0.53	0.65	0.10	-0.12	-0.02	9.990	9.990	9.990	9.990	
12-13	0.56	0.65	0.56	0.65	0.08	-0.10	-0.01	9.990	9.990	9.990	9.990	
13-14	0.55	0.65	0.59	0.65	0.06	-0.10	-0.04	9.990	9.990	9.990	9.990	
14-15	0.54	0.65	0.59	0.65	0.03	-0.10	-0.07	9.990	9.990	9.990	9.990	
15-16	0.54	0.65	0.54	0.65	0.01	-0.11	-0.10	9.990	9.990	9.990	9.990	
16-17	0.54	0.65	0.54	0.65	0.00	-0.11	-0.11	9.990	9.990	9.990	9.990	
17-18	0.53	0.64	0.53	0.64	0.0	-0.12	-0.12	9.990	9.990	9.990	9.990	
18-19	0.53	0.64	0.53	0.64	0.0	-0.11	-0.11	9.990	9.990	9.990	9.990	
19-20	0.51	0.64	0.51	0.64	0.0	-0.13	-0.13	9.990	9.990	9.990	9.990	
20-21	0.51	0.64	0.51	0.64	0.0	-0.13	-0.13	9.990	9.990	9.990	9.990	
21-22	0.50	0.64	0.50	0.64	0.0	-0.14	-0.14	9.990	9.990	9.990	9.990	
22-23	0.50	0.63	0.46	0.63	0.0	-0.13	-0.13	9.990	9.990	9.990	9.990	
23-24	0.49	0.63	0.45	0.63	0.0	-0.14	-0.14	9.990	9.990	9.990	9.990	
TOTAL	13.40	15.40	12.98	15.38	0.41	-2.00	-1.59					

SEP. 7		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.05	0.04	0.02	9.99	0.04	0.02	0.01	0.01	0.05	0.02	0.04	0.01	
8-9	0.18*	0.14	0.11	9.99	0.13	0.09	0.06	0.05	0.16	0.08	0.14	0.06	
9-10	0.38*	0.30	0.23	9.99	0.26	0.18	0.13	0.10	0.32	0.16	0.27	0.12	
10-11	0.49*	0.38	0.30	9.99	0.39	0.28	0.20	0.16	0.49	0.25	0.42	0.19	
11-12	0.57	0.43	0.33	9.99	0.47	0.33	0.25	0.20	0.59	0.31	0.51	0.25	
12-13	0.69	0.53	0.41	9.99	0.57	0.41	0.30	0.24	0.70	0.37	0.62	0.31	
13-14	0.63	0.47	0.36	9.99	0.50	0.36	0.27	0.22	0.61	0.33	0.56	0.28	
14-15	0.47	0.34	0.27	9.99	0.37	0.27	0.20	0.17	0.45	0.24	0.43	0.22	
15-16	0.25	0.18	0.14	9.99	0.20	0.14	0.11	0.09	0.24	0.12	0.24	0.12	
16-17	0.07	0.06	0.04	9.99	0.06	0.04	0.03	0.02	0.08	0.03	0.07	0.04	
17-18	0.01	0.01	0.0	9.99	0.00	0.0	0.0	0.0	0.01	0.0	0.00	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	3.80	2.89	2.21	99.99	3.00	2.11	1.56	1.27	3.68	1.92	3.31	1.60	

SEP. 7		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (Kw/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	TOTAL					
0-1	0.46	0.63	0.43	0.63	0.0	-0.16	-0.16	9.990	9.990	9.990	9.990	
1-2	0.46	0.63	0.43	0.64	0.0	-0.17	-0.17	9.990	9.990	9.990	9.990	
2-3	0.47	0.64	0.44	0.64	0.0	-0.17	-0.17	9.990	9.990	9.990	9.990	
3-4	0.48	0.64	0.44	0.65	0.0	-0.16	-0.16	9.990	9.990	9.990	9.990	
4-5	0.48	0.64	0.44	0.64	0.0	-0.16	-0.16	9.990	9.990	9.990	9.990	
5-6	0.46	0.64	0.44	0.64	0.0	-0.18	-0.18	9.990	9.990	9.990	9.990	
6-7	0.45	0.64	0.44	0.65	0.0	-0.19	-0.19	9.990	9.990	9.990	9.990	
7-8	0.45	0.64	0.44	0.65	0.01	-0.19	-0.18	9.990	9.990	9.990	9.990	
8-9	0.46	0.64	0.44	0.64	0.05	-0.18	-0.13	9.990	9.990	9.990	9.990	
9-10	0.46	0.64	0.44	0.65	0.12	-0.18	-0.06	9.990	9.990	9.990	9.990	
10-11	0.47	0.65	0.44	0.65	0.10	-0.18	-0.08	9.990	9.990	9.990	9.990	
11-12	0.47	0.65	0.44	0.66	0.10	-0.18	-0.08	9.990	9.990	9.990	9.990	
12-13	0.48	0.66	0.45	0.67	0.12	-0.19	-0.06	9.990	9.990	9.990	9.990	
13-14	0.47	0.67	0.46	0.67	0.12	-0.19	-0.07	9.990	9.990	9.990	9.990	
14-15	0.46	0.67	0.45	0.67	0.10	-0.21	-0.11	9.990	9.990	9.990	9.990	
15-16	0.47	0.67	0.44	0.67	0.05	-0.20	-0.15	9.990	9.990	9.990	9.990	
16-17	0.48	0.67	0.45	0.67	0.01	-0.19	-0.18	9.990	9.990	9.990	9.990	
17-18	0.47	0.67	0.46	0.67	0.00	-0.20	-0.19	9.990	9.990	9.990	9.990	
18-19	0.47	0.66	0.46	0.67	0.0	-0.19	-0.19	9.990	9.990	9.990	9.990	
19-20	0.49	0.66	0.47	0.67	0.0	-0.18	-0.18	9.990	9.990	9.990	9.990	
20-21	0.48	0.66	0.47	0.67	0.0	-0.18	-0.18	9.990	9.990	9.990	9.990	
21-22	0.47	0.66	0.45	0.66	0.0	-0.18	-0.18	9.990	9.990	9.990	9.990	
22-23	0.45	0.65	0.43	0.65	0.0	-0.20	-0.20	9.990	9.990	9.990	9.990	
23-24	0.44	0.64	0.43	0.65	0.0	-0.20	-0.20	9.990	9.990	9.990	9.990	
TOTAL	11.20	15.61	10.67	15.73	0.80	-4.41	-3.61					

SEP. 8		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.09*	0.08	0.06	9.99	0.06	0.04	0.03	0.02	0.07	0.03	0.08	0.04	
8-9	0.41*	0.33	0.27	9.99	0.24	0.17	0.14	0.11	0.24	0.15	0.28	0.15	
9-10	0.64*	0.49	0.38	9.99	0.43	0.31	0.24	0.19	0.49	0.28	0.48	0.25	
10-11	0.67	0.53	0.41	9.99	0.58	0.42	0.32	0.25	0.69	0.38	0.63	0.32	
11-12	0.78	0.60	0.47	9.99	0.66	0.47	0.37	0.28	0.79	0.43	0.71	0.36	
12-13	0.80	0.61	0.48	9.99	0.66	0.48	0.37	0.28	0.78	0.43	0.72	0.37	
13-14	0.72	0.54	0.42	9.99	0.59	0.43	0.33	0.26	0.67	0.37	0.66	0.34	
14-15	0.59	0.41	0.32	9.99	0.45	0.33	0.26	0.21	0.53	0.28	0.53	0.28	
15-16	0.36	0.23	0.18	9.99	0.26	0.19	0.15	0.12	0.32	0.15	0.34	0.19	
16-17	0.10	0.06	0.04	9.99	0.07	0.05	0.04	0.03	0.09	0.03	0.12	0.07	
17-18	0.0	0.00	0.0	9.99	0.00	0.0	0.0	0.0	0.01	0.0	0.00	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	5.16	3.88	3.03	99.99	4.02	2.89	2.23	1.76	4.68	2.53	4.54	2.37	

SEP. 8		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE						
0-1	0.44	0.64	0.42	0.65	0.0	-0.20	-0.20	9.990	9.990	9.990	9.990	
1-2	0.43	0.64	0.42	0.65	0.0	-0.20	-0.20	9.990	9.990	9.990	9.990	
2-3	0.43	0.63	0.42	0.64	0.0	-0.20	-0.20	9.990	9.990	9.990	9.990	
3-4	0.43	0.63	0.42	0.64	0.0	-0.20	-0.20	9.990	9.990	9.990	9.990	
4-5	0.43	0.63	0.43	0.64	0.0	-0.20	-0.20	9.990	9.990	9.990	9.990	
5-6	0.44	0.64	0.43	0.64	0.0	-0.20	-0.20	9.990	9.990	9.990	9.990	
6-7	0.44	0.64	0.43	0.65	0.0	-0.20	-0.20	9.990	9.990	9.990	9.990	
7-8	0.44	0.64	0.42	0.65	0.03	-0.20	-0.17	9.990	9.990	9.990	9.990	
8-9	0.44	0.65	0.42	0.66	0.16	-0.21	-0.04	9.990	9.990	9.990	9.990	
9-10	0.45	0.66	0.42	0.66	0.21	-0.21	0.00	9.990	9.990	9.990	9.990	
10-11	0.45	0.66	0.43	0.67	0.10	-0.21	-0.12	9.990	9.990	9.990	9.990	
11-12	0.45	0.67	0.43	0.68	0.12	-0.22	-0.10	9.990	9.990	9.990	9.990	
12-13	0.45	0.68	0.44	0.69	0.14	-0.23	-0.09	9.990	9.990	9.990	9.990	
13-14	0.45	0.68	0.43	0.69	0.12	-0.24	-0.11	9.990	9.990	9.990	9.990	
14-15	0.45	0.68	0.44	0.69	0.13	-0.23	-0.10	9.990	9.990	9.990	9.990	
15-16	0.45	0.68	0.44	0.69	0.09	-0.23	-0.14	9.990	9.990	9.990	9.990	
16-17	0.44	0.67	0.43	0.68	0.03	-0.23	-0.20	0.386	0.350	0.308	0.273	
17-18	0.43	0.66	0.42	0.67	0.0	-0.23	-0.23	0.086	0.078	0.070	0.063	
18-19	0.43	0.66	0.43	0.67	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
19-20	0.43	0.65	0.44	0.66	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
20-21	0.43	0.65	0.44	0.66	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0	
21-22	0.66	0.66	0.66	0.67	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
22-23	0.72	0.68	0.72	0.68	0.0	0.04	0.04	0.0	0.0	0.0	0.0	
23-24	0.71	0.69	0.72	0.69	0.0	0.02	0.02	0.0	0.0	0.0	0.0	
TOTAL	11.33	15.78	11.09	15.96	1.14	-4.45	-3.31	0.0	0.0	0.0	0.0	

SEP. 9		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7-8	0.06%	0.04	0.02	9.99	0.06	0.03	0.02	0.02	0.06	0.02	0.05	0.02	
8-9	0.37%	0.29	0.22	9.99	0.26	0.16	0.15	0.11	0.30	0.16	0.24	0.12	
9-10	0.56	0.42	0.34	9.99	0.50	0.36	0.29	0.22	0.60	0.31	0.47	0.24	
10-11	0.77	0.58	0.45	9.99	0.66	0.48	0.37	0.28	0.79	0.40	0.63	0.32	
11-12	0.87	0.65	0.52	9.99	0.74	0.54	0.41	0.32	0.89	0.45	0.73	0.37	
12-13	0.67	0.65	0.52	9.99	0.74	0.54	0.41	0.32	0.88	0.45	0.74	0.38	
13-14	0.78	0.58	0.46	9.99	0.64	0.47	0.36	0.28	0.77	0.40	0.67	0.34	
14-15	0.59	0.44	0.35	9.99	0.48	0.35	0.27	0.22	0.56	0.29	0.52	0.27	
15-16	0.36	0.26	0.20	9.99	0.28	0.20	0.16	0.13	0.34	0.16	0.33	0.18	
16-17	0.10	0.07	0.05	9.99	0.08	0.06	0.04	0.04	0.10	0.04	0.11	0.06	
17-18	0.0	0.00	0.0	9.99	0.00	0.0	0.0	0.0	0.01	0.0	0.00	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	5.32	4.00	3.13	99.99	4.45	3.21	2.49	1.93	5.32	2.70	4.49	2.30	

SEP. 9		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE						
0-1	0.72	0.70	0.72	0.70	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0
1-2	0.72	0.70	0.72	0.70	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0
2-3	0.71	0.70	0.71	0.70	0.0	0.01	0.01	0.0	0.0	0.0	0.0	0.0
3-4	0.69	0.70	0.69	0.70	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0
4-5	0.65	0.69	0.65	0.69	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0
5-6	0.47	0.64	0.48	0.66	0.0	-0.18	-0.16	0.0	0.0	0.0	0.0	0.0
6-7	0.47	0.63	0.48	0.65	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0
7-8	0.43	0.62	0.44	0.64	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0
8-9	0.43	0.62	0.42	0.64	0.11	-0.19	-0.08	0.345	0.234	0.217	0.203	
9-10	0.40	0.63	0.39	0.64	0.06	-0.23	-0.16	0.677	0.607	0.528	0.468	
10-11	0.40	0.63	0.39	0.64	0.11	-0.23	-0.12	0.750	0.659	0.566	0.499	
11-12	0.40	0.63	0.39	0.65	0.12	-0.23	-0.11	0.788	0.685	0.586	0.514	
12-13	0.40	0.63	0.40	0.64	0.13	-0.23	-0.10	0.802	0.696	0.595	0.523	
13-14	0.40	0.63	0.40	0.64	0.13	-0.23	-0.10	0.772	0.676	0.581	0.511	
14-15	0.39	0.62	0.40	0.64	0.11	-0.23	-0.12	0.695	0.621	0.539	0.477	
15-16	0.39	0.60	0.40	0.62	0.08	-0.22	-0.13	0.543	0.503	0.447	0.402	
16-17	0.39	0.60	0.39	0.60	0.02	-0.21	-0.20	0.167	0.160	0.148	0.135	
17-18	0.39	0.59	0.38	0.60	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
18-19	0.39	0.59	0.38	0.61	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
19-20	0.39	0.58	0.39	0.60	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
20-21	0.40	0.57	0.38	0.58	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
21-22	0.41	0.57	0.38	0.57	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
22-23	0.41	0.56	0.39	0.56	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
23-24	0.40	0.55	0.38	0.56	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
TOTAL	11.23	14.99	11.14	15.21	0.88	-3.75	-2.87					

SHORTWAVE RADIATION (MJ/M**2)													
SEP. 10	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
HOUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5- 6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6- 7	0.03	0.05	0.0	9.99	0.00	0.0	0.0	0.0	0.01	0.0	0.01	0.0	
7- 8	0.08#	0.07	0.04	9.99	0.07	0.05	0.03	0.03	0.11	0.06	0.08	0.04	
8- 9	0.26#	0.21	0.15	9.99	0.22	0.16	0.11	0.09	0.34	0.20	0.27	0.14	
9-10	0.45	0.37	0.27	9.99	0.38	0.27	0.19	0.16	0.58	0.31	0.44	0.23	
10-11	0.64	0.51	0.38	9.99	0.52	0.38	0.27	0.22	0.79	0.40	0.60	0.32	
11-12	0.78	0.61	0.46	9.99	0.61	0.44	0.32	0.26	0.91	0.45	0.69	0.38	
12-13	0.82	0.64	0.48	9.99	0.65	0.47	0.35	0.28	0.93	0.46	0.73	0.41	
13-14	0.66	0.51	0.38	9.99	0.52	0.37	0.27	0.22	0.74	0.36	0.61	0.34	
14-15	0.49	0.37	0.28	9.99	0.37	0.27	0.19	0.16	0.53	0.26	0.46	0.26	
15-16	0.29	0.22	0.16	9.99	0.22	0.15	0.11	0.09	0.32	0.15	0.29	0.17	
16-17	0.08	0.06	0.04	9.99	0.07	0.04	0.03	0.02	0.09	0.03	0.09	0.04	
17-18	0.02	0.01	0.0	9.99	0.00	0.0	0.0	0.0	0.01	0.0	0.01	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	4.60	3.63	2.64	99.99	3.63	2.60	1.88	1.54	5.37	2.67	4.26	2.32	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)														
SEP. 10	(SURFACE)				(30M)				(SURFACE)			(BLANK)		
HOUR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(530)	(630)	(695)
0- 1	0.42	0.55	0.38	0.55	0.0	-0.13	-0.13	9.990	9.990	9.990	9.990	9.990	9.990	9.990
1- 2	0.42	0.55	0.38	0.55	0.0	-0.13	-0.13	9.990	9.990	9.990	9.990	9.990	9.990	9.990
2- 3	0.42	0.54	0.39	0.54	0.0	-0.13	-0.13	9.990	9.990	9.990	9.990	9.990	9.990	9.990
3- 4	0.41	0.54	0.39	0.54	0.0	-0.13	-0.13	9.990	9.990	9.990	9.990	9.990	9.990	9.990
4- 5	0.42	0.54	0.37	0.54	0.0	-0.12	-0.12	9.990	9.990	9.990	9.990	9.990	9.990	9.990
5- 6	0.43	0.54	0.38	0.54	0.0	-0.10	-0.10	9.990	9.990	9.990	9.990	9.990	9.990	9.990
6- 7	0.43	0.54	0.38	0.54	0.03	-0.11	-0.08	9.990	9.990	9.990	9.990	9.990	9.990	9.990
7- 8	0.42	0.54	0.37	0.54	0.01	-0.12	-0.11	9.990	9.990	9.990	9.990	9.990	9.990	9.990
8- 9	0.42	0.55	0.37	0.55	0.04	-0.12	-0.09	9.990	9.990	9.990	9.990	9.990	9.990	9.990
9-10	0.43	0.56	0.37	0.56	0.07	-0.13	-0.06	9.990	9.990	9.990	9.990	9.990	9.990	9.990
10-11	0.43	0.57	0.38	0.57	0.12	-0.14	-0.02	9.990	9.990	9.990	9.990	9.990	9.990	9.990
11-12	0.42	0.58	0.37	0.59	0.17	-0.16	0.00	9.990	9.990	9.990	9.990	9.990	9.990	9.990
12-13	0.43	0.60	0.37	0.60	0.17	-0.17	0.00	9.990	9.990	9.990	9.990	9.990	9.990	9.990
13-14	0.42	0.60	0.37	0.60	0.14	-0.18	-0.03	9.990	9.990	9.990	9.990	9.990	9.990	9.990
14-15	0.43	0.60	0.37	0.60	0.12	-0.17	-0.05	9.990	9.990	9.990	9.990	9.990	9.990	9.990
15-16	0.42	0.60	0.36	0.60	0.07	-0.18	-0.11	9.990	9.990	9.990	9.990	9.990	9.990	9.990
16-17	0.40	0.59	0.34	0.60	0.01	-0.19	-0.18	9.990	9.990	9.990	9.990	9.990	9.990	9.990
17-18	0.40	0.59	0.36	0.60	0.01	-0.19	-0.17	9.990	9.990	9.990	9.990	9.990	9.990	9.990
18-19	0.42	0.59	0.37	0.60	0.0	-0.17	-0.17	9.990	9.990	9.990	9.990	9.990	9.990	9.990
19-20	0.44	0.59	0.39	0.60	0.0	-0.15	-0.15	9.990	9.990	9.990	9.990	9.990	9.990	9.990
20-21	0.47	0.59	0.42	0.60	0.0	-0.12	-0.12	9.990	9.990	9.990	9.990	9.990	9.990	9.990
21-22	0.48	0.60	0.44	0.60	0.0	-0.11	-0.11	9.990	9.990	9.990	9.990	9.990	9.990	9.990
22-23	0.50	0.60	0.46	0.60	0.0	-0.10	-0.10	9.990	9.990	9.990	9.990	9.990	9.990	9.990
23-24	0.59	0.61	0.58	0.61	0.0	-0.02	-0.02	9.990	9.990	9.990	9.990	9.990	9.990	9.990
TOTAL	10.47	13.73	9.35	13.82	0.97	-3.26	-2.29							

SEP. 11													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5- 6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6- 7	0.0	0.0	0.0	9.99	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7- 8	0.03	0.05	0.02	9.99	0.04	0.03	0.02	0.01	0.01	0.0	0.01	0.0	
8- 9	0.22	0.16	0.11	9.99	0.20	0.12	0.08	0.07	0.23	0.09	0.09	0.01	
9-10	0.37	0.28	0.20	9.99	0.31	0.21	0.14	0.12	0.38	0.17	0.29	0.11	
10-11	0.47	0.35	0.25	9.99	0.40	0.27	0.18	0.15	0.49	0.22	0.38	0.15	
11-12	0.57	0.41	0.30	9.99	0.47	0.32	0.22	0.18	0.58	0.27	0.45	0.17	
12-13	0.54	0.40	0.29	9.99	0.46	0.31	0.21	0.17	0.55	0.25	0.43	0.16	
13-14	0.52	0.39	0.28	9.99	0.44	0.30	0.21	0.16	0.54	0.25	0.41	0.16	
14-15	0.40	0.30	0.22	9.99	0.34	0.23	0.16	0.13	0.41	0.19	0.32	0.13	
15-16	0.25	0.19	0.14	9.99	0.21	0.14	0.10	0.08	0.26	0.12	0.20	0.08	
16-17	0.10	0.08	0.06	9.99	0.09	0.06	0.04	0.03	0.11	0.05	0.08	0.03	
17-18	0.06	0.05	0.01	9.99	0.01	0.00	0.00	0.0	0.02	0.01	0.01	0.0	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	3.54	2.65	1.88	99.99	2.95	2.00	1.37	1.11	3.64	1.64	2.86	1.07	

SEP. 11													
LONGWAVE RADIATION (MJ/M**2)													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (Kw/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.65	0.63	0.66	0.62	0.0	0.03	0.03	9.990	9.990	9.990	9.990		
1- 2	0.64	0.64	0.65	0.64	0.0	0.01	0.01	9.990	9.990	9.990	9.990		
2- 3	0.66	0.64	0.66	0.64	0.0	0.01	0.01	9.990	9.990	9.990	9.990		
3- 4	0.67	0.65	0.67	0.65	0.0	0.01	0.01	9.990	9.990	9.990	9.990		
4- 5	0.66	0.66	0.66	0.66	0.0	0.00	0.00	9.990	9.990	9.990	9.990		
5- 6	0.68	0.66	0.68	0.66	0.0	0.02	0.02	9.990	9.990	9.990	9.990		
6- 7	0.66	0.66	0.67	0.66	0.0	0.00	0.00	9.990	9.990	9.990	9.990		
7- 8	0.66	0.66	0.66	0.66	0.0	-0.00	-0.00	9.990	9.990	9.990	9.990		
8- 9	0.65	0.66	0.65	0.66	0.02	-0.02	0.01	9.990	9.990	9.990	9.990		
9-10	0.65	0.67	0.65	0.67	0.06	-0.02	0.04	9.990	9.990	9.990	9.990		
10-11	0.66	0.67	0.65	0.67	0.07	-0.02	0.06	9.990	9.990	9.990	9.990		
11-12	0.66	0.68	0.66	0.68	0.09	-0.01	0.08	9.990	9.990	9.990	9.990		
12-13	0.67	0.68	0.66	0.68	0.09	-0.01	0.07	9.990	9.990	9.990	9.990		
13-14	0.67	0.68	0.66	0.68	0.08	-0.02	0.07	9.990	9.990	9.990	9.990		
14-15	0.66	0.68	0.66	0.68	0.07	-0.02	0.04	9.990	9.990	9.990	9.990		
15-16	0.62	0.68	0.62	0.68	0.04	-0.06	-0.02	9.990	9.990	9.990	9.990		
16-17	0.58	0.67	0.57	0.67	0.01	-0.08	-0.07	9.990	9.990	9.990	9.990		
17-18	0.53	0.65	0.53	0.65	0.06	-0.12	-0.06	9.990	9.990	9.990	9.990		
18-19	0.55	0.64	0.54	0.65	0.0	-0.10	-0.10	9.990	9.990	9.990	9.990		
19-20	0.61	0.66	0.60	0.66	0.0	-0.05	-0.05	9.990	9.990	9.990	9.990		
20-21	0.60	0.66	0.60	0.67	0.0	-0.06	-0.06	9.990	9.990	9.990	9.990		
21-22	0.56	0.65	0.56	0.65	0.0	-0.09	-0.09	9.990	9.990	9.990	9.990		
22-23	0.54	0.65	0.55	0.65	0.0	-0.10	-0.10	9.990	9.990	9.990	9.990		
23-24	0.58	0.65	0.58	0.65	0.0	-0.06	-0.06	9.990	9.990	9.990	9.990		
TOTAL	15.08	15.84	15.06	15.84	0.59	-0.76	-0.17						

SEP. 12												
SHORTWAVE RADIATION (MJ/M**2)												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.01*	0.01	0.00	9.99	0.01	0.01	0.00	0.0	0.01	0.00	0.01	0.0
7-8	0.11*	0.09	0.06	9.99	0.09	0.06	0.04	0.03	0.11	0.05	0.10	0.04
8-9	0.30	0.24	0.19	9.99	0.27	0.19	0.14	0.11	0.31	0.17	0.27	0.13
9-10	0.60	0.47	0.37	9.99	0.52	0.37	0.28	0.21	0.61	0.33	0.52	0.26
10-11	0.80	0.62	0.48	9.99	0.68	0.49	0.37	0.28	0.81	0.43	0.68	0.34
11-12	0.94	0.71	0.55	9.99	0.77	0.55	0.41	0.32	0.93	0.49	0.78	0.38
12-13	0.89	0.67	0.52	9.99	0.73	0.52	0.39	0.30	0.86	0.45	0.74	0.36
13-14	0.72	0.54	0.42	9.99	0.58	0.41	0.31	0.24	0.68	0.36	0.61	0.29
14-15	0.47	0.36	0.27	9.99	0.40	0.28	0.20	0.16	0.46	0.23	0.42	0.20
15-16	0.38	0.30	0.24	9.99	0.33	0.24	0.18	0.15	0.36	0.19	0.39	0.21
16-17	0.13	0.10	0.08	9.99	0.13	0.09	0.07	0.06	0.14	0.06	0.17	0.10
17-18	0.01	0.01	0.00	9.99	0.01	0.00	0.00	0.0	0.02	0.0	0.02	0.01
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	5.34	4.13	3.21	99.99	4.50	3.20	2.41	1.86	5.30	2.78	4.69	2.31

SEP. 12												
LONGWAVE RADIATION (MJ/M**2)					NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE						
0-1	0.59	0.65	0.60	0.65	0.0	-0.05	-0.05	9.990	9.990	9.990	9.990	
1-2	0.57	0.64	0.57	0.64	0.0	-0.07	-0.07	9.990	9.990	9.990	9.990	
2-3	0.54	0.64	0.54	0.64	0.0	-0.10	-0.10	9.990	9.990	9.990	9.990	
3-4	0.52	0.63	0.52	0.63	0.0	-0.11	-0.11	9.990	9.990	9.990	9.990	
4-5	0.47	0.62	0.47	0.63	0.0	-0.15	-0.15	9.990	9.990	9.990	9.990	
5-6	0.41	0.61	0.41	0.61	0.0	-0.20	-0.20	9.990	9.990	9.990	9.990	
6-7	0.41	0.59	0.41	0.60	0.0	-0.18	-0.18	9.990	9.990	9.990	9.990	
7-8	0.42	0.59	0.42	0.60	0.02	-0.17	-0.16	9.990	9.990	9.990	9.990	
8-9	0.41	0.60	0.42	0.60	0.03	-0.18	-0.15	9.990	9.990	9.990	9.990	
9-10	0.42	0.61	0.41	0.61	0.08	-0.19	-0.10	9.990	9.990	9.990	9.990	
10-11	0.42	0.61	0.40	0.62	0.12	-0.19	-0.07	9.990	9.990	9.990	9.990	
11-12	0.42	0.62	0.41	0.63	0.17	-0.20	-0.04	9.990	9.990	9.990	9.990	
12-13	0.42	0.63	0.42	0.63	0.16	-0.21	-0.04	9.990	9.990	9.990	9.990	
13-14	0.43	0.63	0.44	0.64	0.13	-0.20	-0.07	9.990	9.990	9.990	9.990	
14-15	0.46	0.63	0.46	0.63	0.08	-0.17	-0.09	9.990	9.990	9.990	9.990	
15-16	0.41	0.62	0.42	0.63	0.05	-0.21	-0.16	9.990	9.990	9.990	9.990	
16-17	0.40	0.61	0.39	0.62	0.00	-0.20	-0.20	9.990	9.990	9.990	9.990	
17-18	0.39	0.59	0.39	0.60	0.0	-0.20	-0.20	9.990	9.990	9.990	9.990	
18-19	0.38	0.58	0.39	0.59	0.0	-0.20	-0.20	9.990	9.990	9.990	9.990	
19-20	0.37	0.57	0.39	0.59	0.0	-0.20	-0.20	9.990	9.990	9.990	9.990	
20-21	0.37	0.57	0.38	0.58	0.0	-0.19	-0.19	9.990	9.990	9.990	9.990	
21-22	0.38	0.56	0.37	0.58	0.0	-0.18	-0.18	9.990	9.990	9.990	9.990	
22-23	0.38	0.56	0.38	0.56	0.0	-0.18	-0.18	9.990	9.990	9.990	9.990	
23-24	0.37	0.55	0.37	0.56	0.0	-0.18	-0.18	9.990	9.990	9.990	9.990	
TOTAL	10.39	14.50	10.40	14.67	0.85	-4.11	-3.27					



SEP. 13	SHORTWAVE RADIATION (MJ/M**2)												
	HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
		(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6-7	0.01*	0.02	0.01	9.99	0.02	0.01	0.00	0.00	0.02	0.01	0.02	0.01	
7-8	0.19*	0.17	0.15	9.99	0.16	0.12	0.10	0.07	0.02	0.01	0.02	0.01	
8-9	0.43*	0.37	0.30	9.99	0.39	0.29	0.23	0.17	0.13	0.09	0.16	0.08	
9-10	0.65*	0.55	0.43	9.99	0.60	0.44	0.33	0.25	0.41	0.24	0.37	0.19	
10-11	0.84	0.68	0.54	9.99	0.74	0.54	0.41	0.31	0.65	0.37	0.56	0.28	
11-12	0.95	0.76	0.59	9.99	0.81	0.58	0.44	0.33	0.85	0.47	0.71	0.35	
12-13	0.95	0.75	0.59	9.99	0.79	0.57	0.43	0.33	0.95	0.52	0.80	0.39	
13-14	0.86	0.68	0.54	9.99	0.71	0.51	0.39	0.30	0.95	0.52	0.81	0.39	
14-15	0.65	0.52	0.41	9.99	0.54	0.39	0.30	0.23	0.84	0.46	0.75	0.37	
15-16	0.37	0.30	0.23	9.99	0.33	0.23	0.17	0.14	0.62	0.35	0.59	0.30	
16-17	0.19	0.12	0.07	9.99	0.11	0.07	0.05	0.04	0.35	0.19	0.37	0.20	
17-18	0.08	0.07	0.00	9.99	0.01	0.00	0.00	0.0	0.16	0.06	0.13	0.06	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.03	0.0	0.01	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	6.17	4.98	3.66	99.99	5.21	3.76	2.86	2.19	5.97	3.28	5.27	2.64	

SEP. 13	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	TOTAL				
0-1	0.37	0.54	0.37	0.55	0.0	-0.18	-0.18	9.990	9.990	9.990	9.990
1-2	0.36	0.54	0.37	0.55	0.0	-0.18	-0.18	9.990	9.990	9.990	9.990
2-3	0.36	0.54	0.37	0.55	0.0	-0.18	-0.18	9.990	9.990	9.990	9.990
3-4	0.36	0.54	0.37	0.55	0.0	-0.18	-0.18	9.990	9.990	9.990	9.990
4-5	0.36	0.54	0.37	0.55	0.0	-0.18	-0.18	9.990	9.990	9.990	9.990
5-6	0.35	0.53	0.35	0.53	0.0	-0.18	-0.18	9.990	9.990	9.990	9.990
6-7	0.35	0.53	0.36	0.54	0.0	-0.18	-0.18	9.990	9.990	9.990	9.990
7-8	0.35	0.53	0.36	0.55	0.02	-0.18	-0.15	9.990	9.990	9.990	9.990
8-9	0.36	0.54	0.35	0.55	0.04	-0.18	-0.14	9.990	9.990	9.990	9.990
9-10	0.36	0.55	0.36	0.56	0.06	-0.19	-0.13	9.990	9.990	9.990	9.990
10-11	0.35	0.57	0.36	0.58	0.10	-0.22	-0.12	9.990	9.990	9.990	9.990
11-12	0.36	0.58	0.37	0.59	0.14	-0.22	-0.08	9.990	9.990	9.990	9.990
12-13	0.37	0.59	0.37	0.60	0.16	-0.22	-0.06	9.990	9.990	9.990	9.990
13-14	0.36	0.59	0.36	0.60	0.15	-0.24	-0.09	9.990	9.990	9.990	9.990
14-15	0.35	0.59	0.36	0.60	0.10	-0.24	-0.13	9.990	9.990	9.990	9.990
15-16	0.35	0.58	0.37	0.60	0.04	-0.23	-0.19	9.990	9.990	9.990	9.990
16-17	0.37	0.57	0.36	0.59	0.08	-0.21	-0.13	9.990	9.990	9.990	9.990
17-18	0.36	0.56	0.37	0.57	0.07	-0.20	-0.13	9.990	9.990	9.990	9.990
18-19	0.35	0.55	0.36	0.57	0.0	-0.20	-0.20	9.990	9.990	9.990	9.990
19-20	0.37	0.55	0.37	0.56	0.0	-0.18	-0.18	9.990	9.990	9.990	9.990
20-21	0.37	0.55	0.38	0.56	0.0	-0.18	-0.18	9.990	9.990	9.990	9.990
21-22	0.37	0.54	0.38	0.55	0.0	-0.18	-0.18	9.990	9.990	9.990	9.990
22-23	0.40	0.54	0.40	0.55	0.0	-0.14	-0.14	9.990	9.990	9.990	9.990
23-24	0.39	0.54	0.40	0.56	0.0	-0.15	-0.15	9.990	9.990	9.990	9.990
TOTAL	8.70	13.28	8.83	13.58	0.96	-4.58	-3.62				

SEP. 14 : SHORTWAVE RADIATION (MJ/M**2)												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.20*	0.16	0.04	9.99	0.02	0.01	0.01	0.00	0.04	0.08	0.02	0.00
7-8	0.26*	0.19	0.11	9.99	0.14	0.10	0.07	0.06	0.21	0.11	0.13	0.06
8-9	0.48*	0.35	0.28	9.99	0.35	0.26	0.19	0.15	0.45	0.22	0.34	0.16
9-10	0.68*	0.51	0.40	9.99	0.55	0.40	0.30	0.23	0.69	0.35	0.54	0.26
10-11	0.81	0.61	0.47	9.99	0.66	0.48	0.35	0.27	0.83	0.41	0.65	0.30
11-12	1.01	0.77	0.60	9.99	0.83	0.60	0.45	0.34	1.03	0.52	0.82	0.40
12-13	1.01	0.76	0.59	9.99	0.82	0.59	0.44	0.34	1.01	0.51	0.83	0.41
13-14	0.85	0.63	0.50	9.99	0.68	0.49	0.37	0.28	0.85	0.42	0.71	0.35
14-15	0.54	0.39	0.30	9.99	0.43	0.30	0.22	0.17	0.54	0.26	0.45	0.21
15-16	0.44	0.31	0.24	9.99	0.32	0.23	0.17	0.14	0.44	0.21	0.34	0.16
16-17	0.26	0.18	0.10	9.99	0.13	0.09	0.07	0.06	0.22	0.12	0.14	0.06
17-18	0.31	0.25	0.07	9.99	0.02	0.01	0.01	0.01	0.06	0.14	0.03	0.01
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	6.85	5.10	3.69	99.99	4.94	3.56	2.64	2.05	6.38	3.34	5.00	2.39

SEP. 14 : LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (Kw/M**2)											
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL				
0-1	0.53	0.54	0.53	0.56	0.0	-0.01	-0.01	9.990	9.990	9.990	9.990
1-2	0.53	0.55	0.54	0.56	0.0	-0.02	-0.02	9.990	9.990	9.990	9.990
2-3	0.60	0.56	0.60	0.57	0.0	0.03	0.03	9.990	9.990	9.990	9.990
3-4	0.54	0.56	0.54	0.56	0.0	-0.02	-0.02	9.990	9.990	9.990	9.990
4-5	0.51	0.55	0.51	0.56	0.0	-0.04	-0.04	9.990	9.990	9.990	9.990
5-6	0.41	0.55	0.41	0.55	0.0	-0.14	-0.14	9.990	9.990	9.990	9.990
6-7	0.43	0.54	0.44	0.55	0.18	-0.11	0.07	9.990	9.990	9.990	9.990
7-8	0.42	0.54	0.41	0.55	0.13	-0.12	0.01	9.990	9.990	9.990	9.990
8-9	0.42	0.55	0.42	0.55	0.13	-0.12	0.00	9.990	9.990	9.990	9.990
9-10	0.43	0.56	0.42	0.56	0.13	-0.12	0.01	9.990	9.990	9.990	9.990
10-11	0.45	0.56	0.43	0.57	0.14	-0.12	0.03	9.990	9.990	9.990	9.990
11-12	0.44	0.58	0.42	0.58	0.19	-0.14	0.05	9.990	9.990	9.990	9.990
12-13	0.43	0.59	0.41	0.59	0.20	-0.16	0.03	9.990	9.990	9.990	9.990
13-14	0.41	0.59	0.40	0.60	0.17	-0.18	-0.01	9.990	9.990	9.990	9.990
14-15	0.42	0.59	0.40	0.60	0.11	-0.17	-0.06	9.990	9.990	9.990	9.990
15-16	0.45	0.59	0.44	0.59	0.12	-0.13	-0.01	9.990	9.990	9.990	9.990
16-17	0.44	0.58	0.44	0.59	0.13	-0.14	-0.01	9.990	9.990	9.990	9.990
17-18	0.42	0.57	0.42	0.58	0.28	-0.16	0.13	9.990	9.990	9.990	9.990
18-19	0.40	0.57	0.41	0.58	0.0	-0.16	-0.16	9.990	9.990	9.990	9.990
19-20	0.40	0.56	0.40	0.57	0.0	-0.16	-0.16	9.990	9.990	9.990	9.990
20-21	0.41	0.56	0.40	0.57	0.0	-0.15	-0.15	9.990	9.990	9.990	9.990
21-22	0.44	0.56	0.44	0.57	0.0	-0.12	-0.12	9.990	9.990	9.990	9.990
22-23	0.52	0.56	0.52	0.57	0.0	-0.05	-0.05	9.990	9.990	9.990	9.990
23-24	0.52	0.57	0.52	0.58	0.0	-0.05	-0.05	9.990	9.990	9.990	9.990
TOTAL	10.97	13.53	10.88	13.70	1.91	-2.56	-0.65				

SEP. 15		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5- 6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6- 7	0.10	0.09	0.02	9.99	0.02	0.01	0.01	0.01	0.06	0.05	0.03	0.01	
7- 8	0.31	0.24	0.16	9.99	0.18	0.13	0.10	0.08	0.32	0.17	0.19	0.09	
8- 9	0.65	0.48	0.38	9.99	0.42	0.31	0.24	0.19	0.64	0.33	0.44	0.22	
9-10	0.76	0.56	0.44	9.99	0.56	0.40	0.30	0.23	0.77	0.37	0.56	0.27	
10-11	0.84	0.66	0.51	9.99	0.71	0.51	0.38	0.29	0.90	0.44	0.69	0.33	
11-12	0.88	0.69	0.53	9.99	0.75	0.53	0.39	0.30	0.91	0.47	0.74	0.34	
12-13	0.77	0.59	0.45	9.99	0.64	0.45	0.33	0.26	0.78	0.39	0.64	0.29	
13-14	0.60	0.45	0.34	9.99	0.50	0.34	0.25	0.20	0.60	0.30	0.49	0.21	
14-15	0.44	0.33	0.24	9.99	0.36	0.25	0.17	0.14	0.45	0.21	0.36	0.14	
15-16	0.32	0.25	0.18	9.99	0.27	0.19	0.13	0.11	0.33	0.16	0.27	0.12	
16-17	0.14	0.11	0.08	9.99	0.12	0.08	0.06	0.05	0.15	0.07	0.13	0.05	
17-18	0.01	0.01	0.00	9.99	0.02	0.01	0.00	0.00	0.02	0.00	0.02	0.00	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	5.83	4.45	3.33	99.99	4.55	3.21	2.37	1.84	5.92	2.95	4.54	2.07	

SEP. 15		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL					
0- 1	0.45	0.57	0.45	0.57	0.0	-0.12	-0.12	9.990	9.990	9.990	9.990	
1- 2	0.47	0.56	0.46	0.57	0.0	-0.10	-0.10	9.990	9.990	9.990	9.990	
2- 3	0.50	0.57	0.50	0.57	0.0	-0.07	-0.07	9.990	9.990	9.990	9.990	
3- 4	0.45	0.56	0.45	0.57	0.0	-0.11	-0.11	9.990	9.990	9.990	9.990	
4- 5	0.43	0.56	0.43	0.57	0.0	-0.13	-0.13	9.990	9.990	9.990	9.990	
5- 6	0.41	0.56	0.41	0.57	0.0	-0.14	-0.14	9.990	9.990	9.990	9.990	
6- 7	0.43	0.56	0.41	0.56	0.08	-0.13	-0.05	9.990	9.990	9.990	9.990	
7- 8	0.45	0.56	0.43	0.56	0.14	-0.11	0.03	9.990	9.990	9.990	9.990	
8- 9	0.45	0.57	0.42	0.58	0.23	-0.12	0.11	9.990	9.990	9.990	9.990	
9-10	0.44	0.58	0.43	0.58	0.20	-0.13	0.07	9.990	9.990	9.990	9.990	
10-11	0.46	0.59	0.46	0.60	0.13	-0.13	0.01	9.990	9.990	9.990	9.990	
11-12	0.45	0.60	0.45	0.61	0.14	-0.15	-0.01	9.990	9.990	9.990	9.990	
12-13	0.47	0.61	0.47	0.61	0.13	-0.13	-0.01	9.990	9.990	9.990	9.990	
13-14	0.54	0.61	0.54	0.62	0.10	-0.08	0.02	9.990	9.990	9.990	9.990	
14-15	0.55	0.61	0.55	0.61	0.06	-0.06	0.02	9.990	9.990	9.990	9.990	
15-16	0.52	0.61	0.52	0.61	0.05	-0.09	-0.04	9.990	9.990	9.990	9.990	
16-17	0.44	0.60	0.44	0.61	0.02	-0.16	-0.15	9.990	9.990	9.990	9.990	
17-18	0.44	0.59	0.44	0.60	0.0	-0.15	-0.15	9.990	9.990	9.990	9.990	
18-19	0.46	0.58	0.46	0.59	0.0	-0.12	-0.12	9.990	9.990	9.990	9.990	
19-20	0.47	0.57	0.47	0.58	0.0	-0.10	-0.10	9.990	9.990	9.990	9.990	
20-21	0.43	0.57	0.44	0.58	0.0	-0.13	-0.13	9.990	9.990	9.990	9.990	
21-22	0.50	0.57	0.50	0.57	0.0	-0.07	-0.07	9.990	9.990	9.990	9.990	
22-23	0.45	0.57	0.45	0.57	0.0	-0.12	-0.12	9.990	9.990	9.990	9.990	
23-24	0.41	0.56	0.42	0.57	0.0	-0.15	-0.15	9.990	9.990	9.990	9.990	
TOTAL	11.08	13.87	11.01	14.03	1.28	-2.79	-1.51					

SEP. 16	SHORTWAVE RADIATION (MJ/M**2)											
	GLOBAL (SURFACE)	REFLECTED(SURFACE)								GLOBAL(30M)		REFLECTED(30M)
HOUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6- 7	0.02	0.02	0.01	9.99	0.02	0.01	0.01	0.01	0.03	0.01	0.02	0.00
7- 8	0.18	0.15	0.12	9.99	0.16	0.11	0.09	0.06	0.17	0.09	0.16	0.07
8- 9	0.48	0.39	0.31	9.99	0.42	0.31	0.24	0.18	0.48	0.26	0.41	0.20
9-10	0.75	0.59	0.46	9.99	0.64	0.47	0.35	0.27	0.75	0.40	0.62	0.30
10-11	0.91	0.72	0.56	9.99	0.78	0.56	0.42	0.32	0.93	0.49	0.76	0.37
11-12	1.04	0.82	0.63	9.99	0.87	0.63	0.47	0.36	1.04	0.56	0.86	0.42
12-13	1.02	0.80	0.62	9.99	0.85	0.61	0.45	0.35	1.01	0.55	0.86	0.42
13-14	0.94	0.74	0.58	9.99	0.77	0.56	0.42	0.33	0.93	0.50	0.80	0.39
14-15	0.77	0.59	0.47	9.99	0.62	0.45	0.34	0.27	0.75	0.40	0.66	0.33
15-16	0.54	0.40	0.31	9.99	0.41	0.30	0.23	0.19	0.53	0.27	0.47	0.25
16-17	0.25	0.19	0.15	9.99	0.19	0.14	0.11	0.09	0.25	0.12	0.23	0.13
17-18	0.02	0.03	0.01	9.99	0.02	0.01	0.01	0.01	0.03	0.01	0.03	0.01
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	6.90	5.42	4.23	99.99	5.77	4.16	3.13	2.43	6.90	3.65	5.88	2.90

SEP. 16	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (Kw/M**2)			
	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)
HOUR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL				
0- 1	0.41	0.56	0.42	0.57	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0
1- 2	0.48	0.56	0.48	0.57	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0
2- 3	0.50	0.56	0.50	0.57	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0
3- 4	0.47	0.56	0.47	0.57	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0
4- 5	0.48	0.56	0.49	0.57	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0
5- 6	0.47	0.56	0.47	0.57	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0
6- 7	0.47	0.56	0.47	0.57	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0
7- 8	0.43	0.56	0.43	0.56	0.02	-0.12	-0.10	0.070	0.059	0.054	0.046
8- 9	0.42	0.56	0.42	0.57	0.06	-0.14	-0.09	0.257	0.227	0.196	0.171
9-10	0.39	0.57	0.39	0.58	0.10	-0.18	-0.07	0.409	0.349	0.301	0.260
10-11	0.40	0.58	0.39	0.58	0.13	-0.18	-0.05	0.393	0.331	0.281	0.244
11-12	0.41	0.59	0.41	0.59	0.16	-0.18	-0.02	9.990	9.990	9.990	9.990
12-13	0.40	0.60	0.40	0.60	0.17	-0.19	-0.02	9.990	9.990	9.990	9.990
13-14	0.41	0.60	0.41	0.60	0.16	-0.19	-0.03	9.990	9.990	9.990	9.990
14-15	0.41	0.60	0.41	0.60	0.15	-0.18	-0.04	9.990	9.990	9.990	9.990
15-16	0.42	0.59	0.42	0.60	0.13	-0.18	-0.05	0.549	0.464	0.412	0.360
16-17	0.41	0.59	0.42	0.60	0.06	-0.18	-0.12	0.271	0.244	0.222	0.198
17-18	0.39	0.57	0.39	0.58	0.0	-0.18	-0.18	0.005	0.004	0.004	0.003
18-19	0.39	0.56	0.39	0.57	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0
19-20	0.38	0.56	0.39	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0
20-21	0.37	0.55	0.38	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0
21-22	0.37	0.55	0.38	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0
22-23	0.36	0.54	0.37	0.55	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0
23-24	0.36	0.54	0.37	0.54	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0
TOTAL	10.02	13.64	10.07	13.79	1.13	-3.62	-2.49				

SEP. 17 : SHORTWAVE RADIATION (MJ/M\*\*2)

HOUR	GLOBAL(SURFACE)				REFLECTED(SURFACE)				GLOBAL(30M)		REFLECTED(30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.07	0.08	0.01	9.99	0.03	0.02	0.01	0.01	0.04	0.01	0.04	0.01
7-8	0.22	0.19	0.15	9.99	0.20	0.14	0.11	0.09	0.21	0.14	0.22	0.11
8-9	0.51	0.41	0.33	9.99	0.43	0.32	0.24	0.19	0.51	0.29	0.45	0.23
9-10	0.78	0.60	0.47	9.99	0.64	0.47	0.35	0.27	0.77	0.43	0.66	0.33
10-11	0.98	0.74	0.58	9.99	0.78	0.57	0.43	0.33	0.98	0.53	0.81	0.40
11-12	1.06	0.80	0.63	9.99	0.84	0.62	0.46	0.36	1.06	0.58	0.89	0.44
12-13	1.08	0.81	0.63	9.99	0.84	0.61	0.46	0.36	1.06	0.57	0.91	0.45
13-14	0.94	0.71	0.55	9.99	0.74	0.53	0.40	0.32	0.93	0.50	0.82	0.41
14-15	0.75	0.55	0.43	9.99	0.58	0.42	0.31	0.25	0.73	0.39	0.67	0.34
15-16	0.49	0.36	0.28	9.99	0.37	0.27	0.20	0.16	0.48	0.25	0.46	0.24
16-17	0.26	0.20	0.15	9.99	0.20	0.15	0.11	0.09	0.27	0.14	0.25	0.14
17-18	0.21	0.22	0.07	9.99	0.05	0.04	0.03	0.03	0.09	0.13	0.06	0.03
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	7.36	5.67	4.31	99.99	5.69	4.15	3.11	2.46	7.13	3.95	6.23	3.14

SEP. 17 : LONGWAVE RADIATION (MJ/M\*\*2) : NET RADIATION (MJ/M\*\*2) : DIRECT RADIATION (KW/M\*\*2)

HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)			
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)
0-1	0.36	0.53	0.36	0.54	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0
1-2	0.36	0.53	0.36	0.54	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0
2-3	0.35	0.53	0.36	0.54	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0
3-4	0.35	0.53	0.36	0.54	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0
4-5	0.35	0.53	0.36	0.54	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0
5-6	0.35	0.53	0.36	0.54	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0
6-7	0.35	0.53	0.36	0.54	0.04	-0.18	-0.14	0.002	0.001	0.002	0.002
7-8	0.36	0.53	0.36	0.54	0.02	-0.17	-0.15	0.120	0.104	0.091	0.085
8-9	0.37	0.54	0.36	0.54	0.08	-0.17	-0.09	0.168	0.137	0.115	0.106
9-10	0.37	0.55	0.36	0.55	0.14	-0.17	-0.04	0.197	0.158	0.137	0.119
10-11	0.37	0.56	0.36	0.56	0.19	-0.19	0.01	0.218	0.173	0.151	0.130
11-12	0.37	0.57	0.35	0.57	0.22	-0.19	0.03	0.076	0.061	0.053	0.045
12-13	0.38	0.58	0.36	0.58	0.24	-0.20	0.05	0.101	0.079	0.070	0.062
13-14	0.41	0.58	0.36	0.58	0.21	-0.17	0.04	0.107	0.078	0.068	0.063
14-15	0.42	0.58	0.39	0.58	0.17	-0.16	0.01	0.113	0.076	0.070	0.063
15-16	0.42	0.58	0.40	0.58	0.12	-0.16	-0.04	0.095	0.072	0.063	0.053
16-17	0.43	0.58	0.40	0.58	0.06	-0.14	-0.08	0.023	0.019	0.015	0.013
17-18	0.46	0.57	0.42	0.58	0.16	-0.11	0.04	0.0	0.0	0.0	0.0
18-19	0.47	0.57	0.43	0.57	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0
19-20	0.49	0.58	0.45	0.58	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0
20-21	0.52	0.58	0.49	0.59	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0
21-22	0.57	0.59	0.56	0.59	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0
22-23	0.59	0.59	0.59	0.60	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0
23-24	0.58	0.60	0.56	0.60	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0
TOTAL	10.07	13.44	9.75	13.54	1.66	-3.38	-1.71				

SEP. 18	SHORTWAVE RADIATION (MJ/M**2)											
	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.00	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.03	0.03	0.01	9.99	0.02	0.01	0.01	0.00	0.04	0.01	0.02	0.00
7-8	0.17	0.13	0.09	9.99	0.14	0.10	0.07	0.06	0.18	0.09	0.14	0.06
8-9	0.40	0.30	0.22	9.99	0.32	0.23	0.16	0.13	0.42	0.20	0.32	0.14
9-10	0.55	0.42	0.30	9.99	0.45	0.32	0.22	0.18	0.58	0.28	0.45	0.19
10-11	0.75	0.57	0.42	9.99	0.60	0.44	0.30	0.25	0.81	0.40	0.63	0.27
11-12	0.72	0.54	0.40	9.99	0.58	0.41	0.28	0.24	0.78	0.39	0.62	0.27
12-13	0.67	0.50	0.36	9.99	0.54	0.38	0.26	0.21	0.72	0.34	0.57	0.24
13-14	0.54	0.40	0.29	9.99	0.44	0.31	0.21	0.17	0.58	0.28	0.47	0.20
14-15	0.48	0.36	0.26	9.99	0.38	0.27	0.19	0.15	0.52	0.25	0.42	0.18
15-16	0.34	0.26	0.19	9.99	0.28	0.20	0.14	0.11	0.38	0.18	0.31	0.13
16-17	0.13	0.10	0.07	9.99	0.11	0.07	0.05	0.04	0.14	0.06	0.12	0.04
17-18	0.05	0.05	0.01	9.99	0.02	0.01	0.01	0.01	0.04	0.01	0.03	0.00
18-19	0.0	0.01	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.01	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.00	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.01	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	4.83	3.66	2.61	99.99	3.87	2.75	1.89	1.57	5.19	2.50	4.11	1.73

SEP. 18	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	TOTAL				
0-1	0.60	0.61	0.56	0.62	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0
1-2	0.60	0.62	0.58	0.62	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0
2-3	0.60	0.63	0.59	0.63	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0
3-4	0.61	0.63	0.58	0.63	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0
4-5	0.60	0.64	0.57	0.64	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0
5-6	0.64	0.65	0.62	0.65	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0
6-7	0.63	0.65	0.62	0.65	0.01	-0.02	-0.01	0.0	0.0	0.0	0.0
7-8	0.63	0.66	0.60	0.66	0.02	-0.03	-0.00	0.0	0.0	0.0	0.0
8-9	0.64	0.67	0.62	0.67	0.08	-0.03	0.05	0.0	0.0	0.0	0.0
9-10	0.65	0.67	0.62	0.67	0.11	-0.02	0.08	0.0	0.0	0.0	0.0
10-11	0.65	0.68	0.61	0.67	0.15	-0.03	0.12	0.0	0.0	0.0	0.0
11-12	0.64	0.68	0.57	0.68	0.14	-0.04	0.10	0.000	0.000	0.0	0.000
12-13	0.66	0.68	0.60	0.68	0.14	-0.03	0.11	0.000	0.000	0.000	0.0
13-14	0.66	0.69	0.61	0.69	0.10	-0.03	0.07	0.0	0.000	0.0	0.0
14-15	0.66	0.69	0.60	0.69	0.09	-0.04	0.05	0.000	0.0	0.0	0.0
15-16	0.65	0.69	0.60	0.69	0.07	-0.04	0.03	0.0	0.0	0.0	0.0
16-17	0.66	0.69	0.61	0.69	0.02	-0.03	-0.01	0.0	0.0	0.0	0.0
17-18	0.64	0.69	0.57	0.69	0.02	-0.04	-0.02	0.0	0.0	0.0	0.0
18-19	0.64	0.69	0.57	0.68	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0
19-20	0.63	0.68	0.56	0.68	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0
20-21	0.62	0.68	0.55	0.69	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0
21-22	0.63	0.68	0.55	0.68	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0
22-23	0.63	0.68	0.58	0.68	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0
23-24	0.60	0.68	0.54	0.68	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0
TOTAL	15.16	16.02	14.09	16.01	0.95	-0.86	0.09				

SEP. 19	SHORTWAVE RADIATION (MJ/M**2)												
	HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
		(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5- 6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6- 7	0.03	0.03	0.01	9.99	0.03	0.02	0.01	0.01	0.03	0.02	0.04	0.01	
7- 8	0.18	0.14	0.10	9.99	0.15	0.10	0.07	0.06	0.19	0.09	0.15	0.06	
8- 9	0.39	0.29	0.22	9.99	0.31	0.22	0.16	0.13	0.40	0.20	0.32	0.13	
9-10	0.61	0.47	0.34	9.99	0.48	0.35	0.25	0.20	0.63	0.31	0.50	0.21	
10-11	0.71	0.53	0.39	9.99	0.57	0.40	0.28	0.23	0.72	0.35	0.57	0.23	
11-12	0.88	0.67	0.49	9.99	0.70	0.51	0.36	0.29	0.90	0.44	0.72	0.30	
12-13	0.75	0.57	0.40	9.99	0.62	0.44	0.30	0.24	0.78	0.35	0.63	0.24	
13-14	0.65	0.51	0.37	9.99	0.57	0.40	0.28	0.22	0.71	0.32	0.57	0.22	
14-15	0.56	0.42	0.30	9.99	0.46	0.32	0.22	0.18	0.58	0.26	0.47	0.18	
15-16	0.37	0.28	0.20	9.99	0.30	0.21	0.15	0.12	0.38	0.18	0.32	0.12	
16-17	0.19	0.15	0.11	9.99	0.16	0.11	0.08	0.07	0.21	0.10	0.17	0.06	
17-18	0.09	0.08	0.01	9.99	0.03	0.02	0.01	0.01	0.05	0.01	0.04	0.01	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	5.45	4.15	2.94	99.99	4.38	3.09	2.17	1.77	5.58	2.64	4.48	1.76	

SEP. 19	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL				
0- 1	0.62	0.69	0.56	0.69	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0
1- 2	0.62	0.69	0.56	0.69	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0
2- 3	0.60	0.69	0.55	0.69	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0
3- 4	0.64	0.69	0.61	0.69	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0
4- 5	0.65	0.69	0.62	0.69	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0
5- 6	0.62	0.69	0.60	0.69	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0
6- 7	0.57	0.68	0.54	0.68	0.00	-0.11	-0.11	0.0	0.0	0.0	0.0
7- 8	0.59	0.68	0.57	0.68	0.03	-0.09	-0.05	0.0	0.0	0.0	0.0
8- 9	0.60	0.69	0.58	0.68	0.08	-0.08	-0.01	0.003	0.002	0.001	0.001
9-10	0.57	0.69	0.54	0.68	0.13	-0.12	0.02	0.015	0.012	0.010	0.007
10-11	0.60	0.69	0.58	0.69	0.14	-0.09	0.05	0.002	0.002	0.001	0.000
11-12	0.60	0.69	0.58	0.69	0.18	-0.09	0.09	0.025	0.019	0.016	0.012
12-13	0.65	0.70	0.64	0.69	0.13	-0.04	0.09	0.0	0.0	0.0	0.0
13-14	0.64	0.70	0.63	0.69	0.12	-0.06	0.06	0.0	0.0	0.0	0.0
14-15	0.63	0.70	0.61	0.69	0.10	-0.07	0.03	0.0	0.0	0.0	0.0
15-16	0.62	0.69	0.61	0.69	0.06	-0.07	-0.01	0.0	0.0	0.0	0.0
16-17	0.62	0.69	0.61	0.69	0.03	-0.07	-0.04	0.0	0.0	0.0	0.0
17-18	0.62	0.69	0.61	0.69	0.06	-0.07	-0.01	0.0	0.0	0.0	0.0
18-19	0.58	0.68	0.57	0.68	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0
19-20	0.60	0.68	0.58	0.68	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0
20-21	0.61	0.68	0.59	0.68	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0
21-22	0.62	0.67	0.61	0.67	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0
22-23	0.60	0.66	0.57	0.66	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0
23-24	0.59	0.66	0.55	0.66	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0
TOTAL	14.65	16.44	14.06	16.41	1.06	-1.80	-0.73				

SEP. 20												
SHORTWAVE RADIATION (MJ/M**2)												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.00	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-7	0.03	0.02	0.0	9.99	0.03	0.01	0.00	0.0	0.04	0.0	0.04	0.0
7-8	0.18	0.13	0.10	9.99	0.15	0.10	0.07	0.06	0.20	0.09	0.16	0.06
8-9	0.44	0.34	0.25	9.99	0.36	0.26	0.18	0.15	0.49	0.25	0.39	0.17
9-10	0.71	0.54	0.41	9.99	0.57	0.41	0.30	0.24	0.77	0.39	0.62	0.28
10-11	0.94	0.71	0.54	9.99	0.75	0.55	0.40	0.32	1.00	0.51	0.83	0.38
11-12	1.12	0.84	0.65	9.99	0.89	0.64	0.48	0.38	1.15	0.59	0.96	0.45
12-13	1.19	0.88	0.67	9.99	0.92	0.66	0.50	0.39	1.19	0.60	1.00	0.48
13-14	1.10	0.80	0.62	9.99	0.84	0.60	0.46	0.35	1.09	0.55	0.93	0.44
14-15	0.90	0.67	0.51	9.99	0.70	0.50	0.38	0.30	0.91	0.46	0.79	0.39
15-16	0.65	0.47	0.37	9.99	0.50	0.36	0.28	0.22	0.68	0.33	0.59	0.31
16-17	0.28	0.19	0.15	9.99	0.22	0.15	0.11	0.09	0.30	0.13	0.28	0.15
17-18	0.09	0.07	0.04	9.99	0.07	0.04	0.03	0.03	0.10	0.03	0.10	0.06
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.00	0.0	0.00	0.0
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	7.63	5.66	4.33	99.99	5.99	4.30	3.19	2.53	7.93	3.93	6.69	3.16

SEP. 20												
LONGWAVE RADIATION (MJ/M**2)					NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL					
0-1	0.59	0.66	0.54	0.66	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	
1-2	0.54	0.65	0.49	0.64	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
2-3	0.50	0.63	0.45	0.63	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
3-4	0.49	0.63	0.43	0.63	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
4-5	0.48	0.62	0.43	0.62	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
5-6	0.49	0.62	0.43	0.62	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
6-7	0.47	0.62	0.42	0.62	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
7-8	0.47	0.62	0.44	0.63	0.03	-0.15	-0.12	0.007	0.005	0.004	0.004	
8-9	0.51	0.64	0.47	0.64	0.09	-0.13	-0.05	0.041	0.034	0.029	0.023	
9-10	0.54	0.65	0.50	0.65	0.14	-0.11	0.03	0.073	0.059	0.050	0.045	
10-11	0.53	0.66	0.48	0.66	0.19	-0.14	0.05	0.204	0.171	0.145	0.124	
11-12	0.50	0.67	0.46	0.67	0.23	-0.18	0.06	0.428	0.352	0.292	0.254	
12-13	0.46	0.68	0.43	0.68	0.27	-0.22	0.05	0.633	0.522	0.436	0.375	
13-14	0.45	0.68	0.42	0.69	0.26	-0.23	0.03	0.633	0.527	0.442	0.383	
14-15	0.45	0.68	0.42	0.69	0.20	-0.23	-0.03	0.636	0.539	0.461	0.399	
15-16	0.45	0.68	0.42	0.68	0.15	-0.23	-0.08	0.557	0.483	0.416	0.363	
16-17	0.43	0.66	0.42	0.67	0.06	-0.23	-0.17	0.268	0.242	0.220	0.196	
17-18	0.42	0.65	0.41	0.66	0.03	-0.23	-0.20	0.107	0.099	0.093	0.082	
18-19	0.41	0.64	0.40	0.65	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
19-20	0.41	0.63	0.41	0.64	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
20-21	0.40	0.62	0.41	0.63	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0	
21-22	0.61	0.61	0.62	0.62	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
22-23	0.50	0.59	9.99	9.99	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
23-24	0.40	0.58	9.99	9.99	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
TOTAL	11.49	15.40	99.99	99.99	1.64	-3.91	-2.26					



SEP. 21	SHORTWAVE RADIATION (MJ/M**2)												
	HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
		(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
1- 2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
2- 3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
3- 4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
4- 5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
5- 6	0.0	0.00	0.0	9.99	0.00	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
6- 7	0.10*	0.09	0.07	9.99	0.08	0.05	0.04	0.03	0.01	0.0	9.99	0.0	
7- 8	0.35	0.30	0.25	9.99	0.32	0.24	0.18	0.14	0.09	0.05	9.99	0.04	
8- 9	0.67	0.52	0.43	9.99	0.57	0.42	0.32	0.25	0.37	0.21	9.99	0.16	
9-10	0.94	0.73	0.58	9.99	0.79	0.58	0.43	0.33	0.71	0.37	9.99	0.28	
10-11	1.13	0.88	0.68	9.99	0.94	0.68	0.51	0.40	0.98	0.51	9.99	0.37	
11-12	1.25	0.95	0.73	9.99	1.01	0.73	0.54	0.42	1.18	0.61	9.99	0.45	
12-13	1.26	0.95	0.73	9.99	1.00	0.72	0.54	0.41	1.27	0.66	9.99	0.49	
13-14	1.14	0.86	0.67	9.99	0.90	0.65	0.49	0.38	1.26	0.65	9.99	0.49	
14-15	0.95	0.71	0.56	9.99	0.74	0.54	0.40	0.32	1.14	0.58	9.99	0.46	
15-16	0.68	0.50	0.39	9.99	0.52	0.38	0.29	0.23	0.94	0.48	9.99	0.40	
16-17	0.36	0.25	0.20	9.99	0.28	0.20	0.16	0.13	0.67	0.34	9.99	0.31	
17-18	0.09	0.06	0.05	9.99	0.07	0.05	0.03	0.03	0.37	0.17	9.99	0.20	
18-19	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.10	0.03	9.99	0.07	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.00	0.0	9.99	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
TOTAL	8.93	6.79	5.34	99.99	7.22	5.24	3.94	3.06	9.09	4.66	99.99	3.72	

SEP. 21	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (Kw/M**2)			
	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL				
0- 1	0.41	0.57	0.41	0.57	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0
1- 2	0.40	0.57	0.40	0.58	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0
2- 3	0.40	0.57	0.40	0.58	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0
3- 4	0.39	0.57	0.40	0.57	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0
4- 5	0.39	0.56	0.39	0.57	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0
5- 6	0.39	0.56	0.39	0.57	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0
6- 7	0.38	0.56	0.39	0.56	0.03	-0.18	-0.15	0.112	0.106	0.100	0.092
7- 8	0.38	0.56	0.38	0.56	0.03	-0.18	-0.14	0.444	0.383	0.356	0.316
8- 9	0.39	0.56	0.38	0.56	0.10	-0.18	-0.08	0.598	0.493	0.448	0.392
9-10	0.37	0.57	0.36	0.57	0.15	-0.19	-0.04	0.712	0.568	0.508	0.441
10-11	0.37	0.57	0.35	0.58	0.19	-0.20	-0.01	0.764	0.590	0.524	0.449
11-12	0.38	0.59	0.36	0.59	0.24	-0.20	0.03	0.810	0.614	0.543	0.463
12-13	0.39	0.60	0.37	0.60	0.26	-0.20	0.05	0.855	0.664	0.591	0.505
13-14	0.39	0.60	0.36	0.60	0.24	-0.21	0.03	0.819	0.631	0.567	0.478
14-15	0.38	0.60	0.36	0.60	0.22	-0.23	-0.01	0.803	0.635	0.575	0.484
15-16	0.38	0.60	0.37	0.61	0.16	-0.23	-0.07	0.731	0.597	0.542	0.454
16-17	0.37	0.60	0.36	0.60	0.08	-0.23	-0.14	0.519	0.422	0.406	0.340
17-18	0.36	0.59	0.36	0.60	0.02	-0.23	-0.21	0.174	0.148	0.148	0.124
18-19	0.36	0.59	0.36	0.59	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0
19-20	0.38	0.58	0.36	0.59	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0
20-21	0.39	0.58	0.38	0.59	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0
21-22	0.39	0.58	0.39	0.59	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0
22-23	0.40	0.59	0.39	0.59	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0
23-24	0.40	0.59	0.39	0.59	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0
TOTAL	9.24	13.92	9.03	14.01	1.71	-4.68	-2.97				

SEP. 22		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
5-6	0.00	0.00	0.0	9.99	0.00	0.0	0.0	0.0	0.00	0.0	9.99	0.0	
6-7	0.08	0.07	0.04	9.99	0.07	0.05	0.03	0.03	0.08	0.05	9.99	0.04	
7-8	0.36	0.29	0.24	9.99	0.30	0.22	0.17	0.13	0.36	0.21	9.99	0.17	
8-9	0.70	0.54	0.43	9.99	0.58	0.42	0.32	0.25	0.71	0.38	9.99	0.29	
9-10	1.00	0.75	0.59	9.99	0.81	0.59	0.45	0.34	0.99	0.53	9.99	0.39	
10-11	1.19	0.91	0.70	9.99	0.97	0.70	0.52	0.40	1.18	0.63	9.99	0.46	
11-12	1.30	0.97	0.75	9.99	1.03	0.74	0.55	0.43	1.27	0.68	9.99	0.50	
12-13	1.29	0.96	0.75	9.99	1.01	0.73	0.54	0.42	1.26	0.67	9.99	0.51	
13-14	1.20	0.88	0.70	9.99	0.93	0.67	0.50	0.39	1.16	0.61	9.99	0.48	
14-15	0.99	0.72	0.58	9.99	0.77	0.56	0.42	0.33	0.96	0.50	9.99	0.41	
15-16	0.74	0.53	0.43	9.99	0.55	0.40	0.31	0.25	0.71	0.37	9.99	0.33	
16-17	0.41	0.29	0.23	9.99	0.30	0.22	0.18	0.14	0.41	0.19	9.99	0.21	
17-18	0.13	0.09	0.06	9.99	0.08	0.06	0.04	0.04	0.14	0.04	9.99	0.08	
18-19	0.0	0.0	0.0	9.99	0.00	0.0	0.0	0.0	0.01	0.0	9.99	0.00	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
TOTAL	9.40	6.99	5.51	99.99	7.40	5.37	4.02	3.16	9.23	4.86	99.99	3.86	

SEP. 22		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL					
0-1	0.39	0.59	0.37	0.60	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
1-2	0.39	0.59	0.36	0.59	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
2-3	0.39	0.58	0.36	0.59	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
3-4	0.38	0.58	0.36	0.58	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
4-5	0.38	0.57	0.35	0.58	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
5-6	0.38	0.57	0.36	0.57	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	
6-7	0.37	0.57	0.36	0.57	0.01	-0.19	-0.19	0.026	0.022	0.018	0.015	
7-8	0.37	0.57	0.36	0.57	0.06	-0.20	-0.14	0.282	0.243	0.201	0.172	
8-9	0.37	0.57	0.35	0.57	0.13	-0.20	-0.08	0.532	0.449	0.379	0.321	
9-10	0.38	0.58	0.34	0.58	0.19	-0.21	-0.02	0.701	0.578	0.497	0.416	
10-11	0.38	0.59	0.35	0.60	0.23	-0.22	0.01	0.784	0.642	0.546	0.459	
11-12	0.38	0.60	0.35	0.60	0.27	-0.22	0.05	0.789	0.627	0.532	0.456	
12-13	0.38	0.61	0.36	0.61	0.28	-0.23	0.05	0.784	0.630	0.532	0.453	
13-14	0.38	0.61	0.35	0.62	0.27	-0.23	0.04	0.833	0.683	0.570	0.481	
14-15	0.37	0.62	0.35	0.62	0.23	-0.25	-0.02	0.829	0.685	0.579	0.499	
15-16	0.36	0.62	0.35	0.62	0.19	-0.25	-0.07	0.804	0.694	0.593	0.517	
16-17	0.36	0.61	0.36	0.61	0.11	-0.25	-0.14	0.675	0.610	0.538	0.479	
17-18	0.35	0.60	0.35	0.60	0.05	-0.25	-0.20	0.340	0.320	0.297	0.268	
18-19	0.33	0.59	0.34	0.59	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0	
19-20	0.33	0.58	0.33	0.59	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0	
20-21	0.34	0.57	0.34	0.58	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
21-22	0.34	0.57	0.34	0.57	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
22-23	0.33	0.56	0.34	0.56	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
23-24	0.34	0.55	0.33	0.56	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	
TOTAL	8.77	14.04	8.41	14.14	2.01	-5.27	-3.26					

SEP. 23													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
1- 2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
2- 3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
3- 4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
4- 5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
5- 6	0.03	0.02	0.0	9.99	0.01	0.0	0.0	0.0	0.01	0.0	9.99	0.0	
6- 7	0.09	0.08	0.06	9.99	0.09	0.06	0.04	0.03	0.10	0.06	9.99	0.04	
7- 8	0.38	0.29	0.24	9.99	0.31	0.23	0.17	0.14	0.38	0.23	9.99	0.17	
8- 9	0.72	0.54	0.43	9.99	0.56	0.42	0.31	0.25	0.71	0.39	9.99	0.29	
9-10	1.02	0.74	0.59	9.99	0.78	0.58	0.43	0.34	0.99	0.53	9.99	0.39	
10-11	1.24	0.90	0.70	9.99	0.95	0.69	0.51	0.40	1.20	0.63	9.99	0.46	
11-12	1.36	0.98	0.76	9.99	1.02	0.74	0.55	0.43	1.29	0.68	9.99	0.50	
12-13	1.34	0.97	0.76	9.99	1.02	0.73	0.54	0.42	1.28	0.68	9.99	0.51	
13-14	1.24	0.90	0.70	9.99	0.93	0.68	0.51	0.40	1.18	0.62	9.99	0.48	
14-15	1.04	0.74	0.59	9.99	0.77	0.56	0.42	0.34	0.99	0.52	9.99	0.42	
15-16	0.77	0.54	0.43	9.99	0.56	0.41	0.31	0.25	0.72	0.38	9.99	0.34	
16-17	0.44	0.29	0.23	9.99	0.31	0.23	0.16	0.15	0.41	0.20	9.99	0.22	
17-18	0.13	0.08	0.06	9.99	0.09	0.06	0.05	0.04	0.12	0.05	9.99	0.08	
18-19	0.01	0.01	0.0	9.99	0.00	0.0	0.0	0.0	0.01	0.0	9.99	0.0	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0	
TOTAL	9.80	7.08	5.55	99.99	7.39	5.39	4.02	3.16	9.37	4.96	99.99	3.91	

SEP. 23													
LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (Kw/M**2)													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.35	0.55	0.35	0.55	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
1- 2	0.35	0.54	0.34	0.54	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
2- 3	0.35	0.53	0.33	0.53	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
3- 4	0.35	0.53	0.33	0.53	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
4- 5	0.35	0.52	0.34	0.52	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
5- 6	0.34	0.52	0.34	0.52	0.02	-0.18	-0.15	0.0	0.0	0.0	0.0		
6- 7	0.34	0.52	0.34	0.52	0.01	-0.18	-0.17	0.024	0.019	0.018	0.016		
7- 8	0.35	0.52	0.34	0.52	0.07	-0.17	-0.10	0.163	0.136	0.113	0.101		
8- 9	0.37	0.53	0.34	0.53	0.15	-0.16	-0.01	0.315	0.263	0.223	0.193		
9-10	0.37	0.54	0.35	0.54	0.23	-0.17	0.06	0.436	0.358	0.303	0.260		
10-11	0.37	0.55	0.35	0.55	0.30	-0.18	0.12	0.566	0.467	0.392	0.336		
11-12	0.38	0.56	0.35	0.56	0.34	-0.19	0.15	0.634	0.522	0.433	0.376		
12-13	0.38	0.57	0.35	0.57	0.33	-0.19	0.14	0.689	0.565	0.470	0.411		
13-14	0.38	0.58	0.36	0.58	0.30	-0.20	0.10	0.729	0.598	0.495	0.434		
14-15	0.38	0.58	0.35	0.58	0.27	-0.21	0.06	0.729	0.609	0.508	0.446		
15-16	0.36	0.58	0.35	0.59	0.22	-0.23	-0.01	0.698	0.592	0.499	0.452		
16-17	0.36	0.58	0.35	0.58	0.13	-0.21	-0.08	0.486	0.424	0.369	0.331		
17-18	0.36	0.57	0.34	0.57	0.04	-0.21	-0.17	0.134	0.121	0.105	0.099		
18-19	0.35	0.56	0.35	0.56	0.01	-0.20	-0.19	0.0	0.0	0.0	0.0		
19-20	0.37	0.55	0.35	0.55	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
20-21	0.37	0.54	0.35	0.55	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
21-22	0.37	0.54	0.34	0.54	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
22-23	0.37	0.54	0.34	0.54	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
23-24	0.37	0.54	0.34	0.54	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
TOTAL	8.67	13.15	8.25	13.18	2.41	-4.48	-2.07						

SEP. 24												
SHORTWAVE RADIATION (MJ/M**2)												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0
5-6	0.04	0.05	0.0	9.99	0.01	0.00	0.0	0.0	0.02	0.0	9.99	0.0
6-7	0.11*	0.09	0.06	9.99	0.08	0.06	0.04	0.03	0.11	0.06	9.99	0.04
7-8	0.39*	0.31	0.24	9.99	0.27	0.20	0.15	0.12	0.39	0.23	9.99	0.16
8-9	0.74*	0.58	0.42	9.99	0.51	0.38	0.28	0.22	0.73	0.40	9.99	0.28
9-10	1.11*	0.82	0.60	9.99	0.75	0.55	0.40	0.32	1.03	0.54	9.99	0.40
10-11	1.35*	0.97	0.71	9.99	0.91	0.67	0.50	0.39	1.24	0.64	9.99	0.48
11-12	1.45*	1.00	0.75	9.99	0.99	0.73	0.54	0.43	1.33	0.69	9.99	0.52
12-13	1.41*	0.99	0.75	9.99	0.99	0.73	0.54	0.43	1.32	0.69	9.99	0.53
13-14	1.26*	0.88	0.68	9.99	0.91	0.67	0.50	0.39	1.19	0.62	9.99	0.50
14-15	1.04*	0.73	0.57	9.99	0.75	0.55	0.41	0.33	1.00	0.52	9.99	0.43
15-16	0.71	0.52	0.41	9.99	0.54	0.40	0.30	0.25	0.73	0.38	9.99	0.35
16-17	0.39	0.28	0.22	9.99	0.29	0.22	0.16	0.14	0.40	0.20	9.99	0.22
17-18	0.11	0.08	0.06	9.99	0.09	0.06	0.05	0.04	0.12	0.05	9.99	0.07
18-19	0.03	0.05	0.0	9.99	0.00	0.00	0.00	0.0	0.01	0.0	9.99	0.0
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0
22-23	0.01	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	9.99	0.0
TOTAL	10.15	7.33	5.46	99.99	7.11	5.21	3.85	3.09	9.63	5.02	99.99	3.98

SEP. 24												
LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.37	0.54	0.35	0.55	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
1-2	0.37	0.55	0.35	0.55	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
2-3	0.38	0.55	0.35	0.55	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0
3-4	0.39	0.55	0.36	0.55	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0
4-5	0.40	0.55	0.37	0.55	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0
5-6	0.40	0.55	0.36	0.56	0.03	-0.15	-0.12	0.0	0.0	0.0	0.0	0.0
6-7	0.40	0.56	0.36	0.56	0.02	-0.15	-0.13	0.0001	0.0001	0.000	0.000	0.000
7-8	0.41	0.56	0.37	0.56	0.12	-0.15	-0.03	0.040	0.034	0.028	0.023	0.023
8-9	0.41	0.57	0.38	0.57	0.23	-0.16	0.08	0.129	0.104	0.088	0.074	0.074
9-10	0.41	0.58	0.37	0.58	0.36	-0.17	0.20	0.274	0.225	0.190	0.165	0.165
10-11	0.41	0.59	0.37	0.59	0.44	-0.18	0.26	0.405	0.332	0.277	0.241	0.241
11-12	0.42	0.60	0.37	0.60	0.46	-0.18	0.27	0.468	0.383	0.319	0.275	0.275
12-13	0.42	0.61	0.37	0.61	0.42	-0.19	0.23	0.525	0.422	0.350	0.302	0.302
13-14	0.42	0.61	0.37	0.61	0.36	-0.19	0.17	0.490	0.387	0.325	0.280	0.280
14-15	0.41	0.61	0.37	0.62	0.29	-0.20	0.09	0.511	0.411	0.347	0.302	0.302
15-16	0.40	0.61	0.36	0.62	0.17	-0.21	-0.04	0.446	0.372	0.310	0.277	0.277
16-17	0.41	0.60	0.37	0.61	0.09	-0.20	-0.10	0.203	0.153	0.135	0.120	0.120
17-18	0.42	0.59	0.37	0.60	0.02	-0.18	-0.16	0.011	0.007	0.008	0.008	0.008
18-19	0.41	0.59	0.36	0.59	0.03	-0.18	-0.16	0.0	0.0	0.0	0.0	0.0
19-20	0.41	0.59	0.37	0.59	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
20-21	0.41	0.59	0.37	0.59	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
21-22	0.40	0.59	0.37	0.60	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0
22-23	0.40	0.59	0.37	0.59	0.01	-0.19	-0.18	0.0	0.0	0.0	0.0	0.0
23-24	0.40	0.59	0.36	0.60	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0
TOTAL	9.67	13.93	8.74	14.01	3.05	-4.26	-1.21					

SEP. 25 : SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1 :	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2 :	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3 :	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4 :	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5 :	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5- 6 :	0.01	0.01	0.00	9.99	0.01	0.00	0.00	0.0	0.01	0.00	0.01	0.00	
6- 7 :	0.20*	0.18	0.14	9.99	0.14	0.10	0.07	0.06	0.13	0.09	0.15	0.08	
7- 8 :	0.60*	0.51	0.40	9.99	0.41	0.31	0.23	0.19	0.47	0.27	0.40	0.20	
8- 9 :	1.00*	0.78	0.59	9.99	0.67	0.50	0.38	0.29	0.82	0.45	0.65	0.32	
9-10 :	1.31*	0.97	0.71	9.99	0.89	0.65	0.49	0.38	1.10	0.59	0.86	0.42	
10-11 :	1.55*	1.07	0.79	9.99	1.03	0.75	0.56	0.43	1.28	0.69	1.02	0.49	
11-12 :	1.66*	1.11	0.84	9.99	1.11	0.80	0.59	0.47	1.38	0.74	1.10	0.53	
12-13 :	1.61*	1.08	0.83	9.99	1.10	0.79	0.59	0.46	1.37	0.73	1.11	0.54	
13-14 :	1.24*	0.98	0.77	9.99	0.99	0.72	0.52	0.42	1.23	0.61	1.29	0.49	
14-15 :	0.99	0.80	0.64	9.99	0.82	0.60	0.45	0.36	0.99	0.55	0.86	0.43	
15-16 :	0.73	0.59	0.47	9.99	0.60	0.45	0.34	0.27	0.71	0.41	0.67	0.35	
16-17 :	0.41	0.31	0.26	9.99	0.35	0.25	0.22	0.17	0.40	0.23	0.42	0.22	
17-18 :	0.13	0.09	0.06	9.99	0.13	0.09	0.06	0.05	0.13	0.07	0.18	0.10	
18-19 :	0.05	0.0	0.0	9.99	0.00	0.0	0.0	0.0	0.01	0.0	0.01	0.0	
19-20 :	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21 :	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22 :	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23 :	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24 :	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL :	11.50	8.48	6.49	99.99	8.25	6.00	4.51	3.56	10.04	5.42	8.73	4.15	

SEP. 25 : LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1 :	0.39	0.58	0.36	0.59	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
1- 2 :	0.38	0.58	0.36	0.59	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
2- 3 :	0.37	0.58	0.35	0.58	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0		
3- 4 :	0.35	0.57	0.35	0.57	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0		
4- 5 :	0.34	0.56	0.34	0.57	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0		
5- 6 :	0.34	0.56	0.34	0.57	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0		
6- 7 :	0.33	0.56	0.33	0.56	0.07	-0.23	-0.16	0.131	0.121	0.111	0.099		
7- 8 :	0.33	0.56	0.33	0.56	0.20	-0.23	-0.04	0.362	0.322	0.282	0.246		
8- 9 :	0.34	0.57	0.33	0.57	0.32	-0.23	0.09	0.537	0.461	0.398	0.346		
9-10 :	0.34	0.58	0.33	0.58	0.43	-0.24	0.19	0.641	0.539	0.456	0.398		
10-11 :	0.34	0.59	0.31	0.59	0.51	-0.25	0.26	0.750	0.625	0.529	0.459		
11-12 :	0.34	0.60	0.32	0.60	0.55	-0.26	0.29	0.860	0.717	0.601	0.523		
12-13 :	0.35	0.61	0.33	0.61	0.51	-0.26	0.26	0.905	0.750	0.631	0.549		
13-14 :	0.34	0.62	0.33	0.62	0.25	-0.28	-0.03	9.990	9.990	9.990	9.990		
14-15 :	0.34	0.62	0.34	0.62	0.18	-0.28	-0.11	9.990	9.990	9.990	9.990		
15-16 :	0.34	0.60	0.34	0.60	0.13	-0.26	-0.13	9.990	9.990	9.990	9.990		
16-17 :	0.33	0.59	0.33	0.59	0.06	-0.26	-0.20	9.990	9.990	9.990	9.990		
17-18 :	0.32	0.58	0.32	0.58	0.00	-0.25	-0.25	9.990	9.990	9.990	9.990		
18-19 :	0.32	0.56	0.32	0.56	0.05	-0.24	-0.20	9.990	9.990	9.990	9.990		
19-20 :	0.34	0.57	0.34	0.57	0.0	-0.23	-0.23	9.990	9.990	9.990	9.990		
20-21 :	0.30	0.54	0.30	0.54	0.0	-0.24	-0.24	9.990	9.990	9.990	9.990		
21-22 :	0.32	0.54	0.32	0.54	0.0	-0.22	-0.22	9.990	9.990	9.990	9.990		
22-23 :	0.32	0.53	0.32	0.53	0.0	-0.22	-0.22	9.990	9.990	9.990	9.990		
23-24 :	0.31	0.53	0.31	0.53	0.0	-0.22	-0.22	9.990	9.990	9.990	9.990		
TOTAL :	8.11	13.78	7.93	13.83	3.25	-5.67	-2.42						

SEP. 26												
SHORTWAVE RADIATION (MJ/M**2)												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.01	0.0	0.0	9.99	0.01	0.0	0.0	0.0	0.01	0.0	0.0	0.0
6-7	0.21*	0.17	0.13	9.99	0.17	0.13	0.11	0.08	0.15	0.10	0.18	0.26
7-8	0.56*	0.44	0.38	9.99	0.46	0.34	0.26	0.21	0.50	0.30	0.45	0.21
8-9	0.90*	0.70	0.56	9.99	0.70	0.53	0.40	0.32	0.83	0.48	0.67	0.31
9-10	1.18*	0.87	0.68	9.99	0.90	0.66	0.49	0.39	1.10	0.61	0.88	0.42
10-11	1.37*	1.01	0.79	9.99	1.02	0.75	0.56	0.43	1.27	0.70	1.03	0.49
11-12	1.47*	1.08	0.83	9.99	1.08	0.80	0.59	0.46	1.36	0.75	1.09	0.52
12-13	1.45*	1.06	0.83	9.99	1.06	0.78	0.58	0.45	1.34	0.73	1.09	0.52
13-14	1.30*	0.96	0.75	9.99	0.96	0.71	0.52	0.42	1.20	0.66	1.01	0.50
14-15	1.12*	0.81	0.64	9.99	0.82	0.60	0.45	0.36	1.03	0.56	1.02	0.44
15-16	0.87*	0.61	0.49	9.99	0.62	0.45	0.35	0.28	0.80	0.43	0.70	0.37
16-17	0.55*	0.35	0.28	9.99	0.37	0.27	0.21	0.17	0.50	0.25	0.45	0.25
17-18	0.22*	0.13	0.10	9.99	0.13	0.10	0.08	0.07	0.20	0.08	0.19	0.12
18-19	0.09	0.07	0.01	9.99	0.01	0.00	0.00	0.00	0.03	0.0	0.01	0.00
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	11.30	8.25	6.46	99.99	8.32	6.12	4.59	3.64	10.32	5.66	8.78	4.41

SEP. 26												
LONGWAVE RADIATION (MJ/M**2)												
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.31	0.52	0.31	0.52	0.0	-0.21	-0.21	9.990	9.990	9.990	9.990	
1-2	0.32	0.52	0.32	0.52	0.0	-0.20	-0.20	9.990	9.990	9.990	9.990	
2-3	0.31	0.52	0.31	0.52	0.0	-0.20	-0.20	9.990	9.990	9.990	9.990	
3-4	0.31	0.51	0.31	0.51	0.0	-0.20	-0.20	9.990	9.990	9.990	9.990	
4-5	0.31	0.51	0.31	0.51	0.0	-0.20	-0.20	9.990	9.990	9.990	9.990	
5-6	0.31	0.51	0.31	0.51	0.00	-0.20	-0.20	9.990	9.990	9.990	9.990	
6-7	0.31	0.51	0.31	0.51	0.04	-0.20	-0.16	9.990	9.990	9.990	9.990	
7-8	0.32	0.52	0.32	0.52	0.10	-0.20	-0.10	9.990	9.990	9.990	9.990	
8-9	0.33	0.54	0.33	0.54	0.19	-0.22	-0.02	9.990	9.990	9.990	9.990	
9-10	0.32	0.56	0.32	0.56	0.28	-0.24	0.04	9.990	9.990	9.990	9.990	
10-11	0.34	0.57	0.34	0.57	0.34	-0.23	0.11	9.990	9.990	9.990	9.990	
11-12	0.33	0.58	0.33	0.58	0.39	-0.26	0.13	9.990	9.990	9.990	9.990	
12-13	0.32	0.59	0.32	0.59	0.39	-0.27	0.12	9.990	9.990	9.990	9.990	
13-14	0.32	0.60	0.32	0.60	0.34	-0.27	0.06	9.990	9.990	9.990	9.990	
14-15	0.34	0.59	0.32	0.59	0.29	-0.25	0.04	9.990	9.990	9.990	9.990	
15-16	0.34	0.58	0.31	0.58	0.25	-0.24	0.01	9.990	9.990	9.990	9.990	
16-17	0.32	0.57	0.32	0.58	0.18	-0.25	-0.07	0.718	0.616	0.531	0.465	
17-18	0.31	0.57	0.32	0.57	0.08	-0.25	-0.17	0.610	0.536	0.473	0.423	
18-19	0.32	0.56	0.31	0.56	0.08	-0.23	-0.15	0.359	0.337	0.308	0.277	
19-20	0.32	0.55	0.33	0.55	0.0	-0.23	-0.23	0.006	0.006	0.005	0.005	
20-21	0.33	0.54	0.32	0.55	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	
21-22	0.34	0.54	0.32	0.54	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
22-23	0.34	0.54	0.31	0.54	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
23-24	0.33	0.53	0.32	0.54	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
TOTAL	7.77	13.15	7.64	13.18	2.98	-5.38	-2.41	0.0	0.0	0.0	0.0	



SEP. 28		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5-6	0.07*	0.08	0.01	9.99	0.03	0.01	0.01	0.01	0.07	0.04	0.03	0.01	
6-7	0.19*	0.16	0.12	9.99	0.17	0.12	0.09	0.08	0.36	0.23	0.19	0.10	
7-8	0.51*	0.39	0.35	9.99	0.45	0.33	0.25	0.20	0.79	0.43	0.46	0.23	
8-9	0.85*	0.62	0.49	9.99	0.66	0.48	0.36	0.29	1.08	0.50	0.64	0.31	
9-10	1.14*	0.81	0.64	9.99	0.87	0.63	0.46	0.37	1.40	0.60	0.84	0.39	
10-11	1.37*	0.97	0.76	9.99	1.04	0.74	0.55	0.43	1.63	0.68	1.00	0.47	
11-12	1.54*	1.09	0.85	9.99	1.16	0.82	0.61	0.48	1.73	0.75	1.12	0.52	
12-13	1.53*	1.09	0.85	9.99	1.15	0.81	0.60	0.47	1.63	0.74	1.14	0.53	
13-14	1.29	0.94	0.73	9.99	0.99	0.70	0.52	0.41	1.32	0.63	0.99	0.46	
14-15	1.07	0.82	0.64	9.99	0.85	0.60	0.46	0.35	1.09	0.55	0.87	0.41	
15-16	0.70	0.53	0.42	9.99	0.57	0.40	0.30	0.24	0.71	0.37	0.60	0.29	
16-17	0.42	0.31	0.25	9.99	0.34	0.24	0.19	0.15	0.42	0.21	0.37	0.19	
17-18	0.13	0.10	0.08	9.99	0.11	0.08	0.06	0.05	0.14	0.06	0.13	0.06	
18-19	0.01	0.01	0.00	9.99	0.01	0.01	0.00	0.00	0.02	0.00	0.01	0.00	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	10.82	7.91	6.21	99.99	8.40	5.98	4.46	3.51	12.40	5.83	8.40	3.98	

SEP. 28		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	LONGWAVE					
0-1	0.35	0.55	0.34	0.57	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
1-2	0.35	0.55	0.34	0.57	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
2-3	0.35	0.55	0.34	0.56	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
3-4	0.36	0.55	0.34	0.56	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0
4-5	0.37	0.55	0.34	0.56	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
5-6	0.38	0.55	0.36	0.57	0.05	-0.17	-0.13	0.0	0.0	0.0	0.0	0.0
6-7	0.40	0.56	0.38	0.57	0.02	-0.16	-0.14	0.040	0.036	0.032	0.029	
7-8	0.39	0.57	0.38	0.59	0.06	-0.18	-0.11	0.165	0.140	0.126	0.112	
8-9	0.41	0.58	0.40	0.61	0.19	-0.18	0.01	0.256	0.213	0.184	0.161	
9-10	0.43	0.61	0.42	0.63	0.26	-0.18	0.08	0.347	0.284	0.246	0.214	
10-11	0.43	0.63	0.41	0.65	0.33	-0.20	0.13	0.519	0.431	0.365	0.320	
11-12	0.43	0.65	0.40	0.67	0.39	-0.21	0.17	0.723	0.601	0.505	0.441	
12-13	0.44	0.66	0.42	0.68	0.38	-0.22	0.17	0.785	0.652	0.547	0.478	
13-14	0.47	0.66	0.46	0.68	0.29	-0.20	0.09	9.990	9.990	9.990	9.990	
14-15	0.45	0.67	0.45	0.68	0.22	-0.22	0.00	9.990	9.990	9.990	9.990	
15-16	0.45	0.66	0.46	0.68	0.13	-0.21	-0.08	0.293	0.252	0.214	0.186	
16-17	0.46	0.65	0.47	0.66	0.08	-0.19	-0.11	0.179	0.160	0.139	0.123	
17-18	0.45	0.63	0.45	0.63	0.02	-0.17	-0.16	0.058	0.054	0.049	0.043	
18-19	0.46	0.63	0.47	0.62	0.0	-0.16	-0.16	0.000	0.000	0.000	0.000	
19-20	0.46	0.62	0.46	0.63	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
20-21	0.44	0.62	0.44	0.63	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	
21-22	0.45	0.62	0.46	0.63	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
22-23	0.46	0.62	0.46	0.63	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
23-24	0.48	0.62	0.47	0.63	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
TOTAL	10.12	14.55	9.92	14.89	2.42	-4.42	-2.00					



SEP. 29													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5- 6	0.10	0.10	0.02	9.99	0.03	0.02	0.01	0.01	0.05	0.04	0.04	0.01	
6- 7	0.18	0.14	0.10	9.99	0.15	0.10	0.07	0.06	0.19	0.09	0.15	0.06	
7- 8	0.42	0.32	0.25	9.99	0.36	0.25	0.19	0.15	0.43	0.22	0.34	0.15	
8- 9	0.76	0.60	0.47	9.99	0.66	0.47	0.35	0.27	0.79	0.41	0.62	0.28	
9-10	1.00	0.79	0.61	9.99	0.85	0.60	0.44	0.34	1.03	0.53	0.80	0.36	
10-11	1.21	0.94	0.73	9.99	1.01	0.71	0.53	0.41	1.22	0.64	0.97	0.43	
11-12	1.32	1.02	0.78	9.99	1.09	0.77	0.56	0.44	1.33	0.68	1.05	0.47	
12-13	1.32	1.01	0.78	9.99	1.07	0.75	0.54	0.44	1.31	0.67	1.05	0.47	
13-14	1.22	0.93	0.73	9.99	0.99	0.69	0.51	0.40	1.21	0.63	0.99	0.46	
14-15	1.00	0.77	0.60	9.99	0.81	0.57	0.42	0.33	1.00	0.52	0.83	0.38	
15-16	0.65	0.50	0.38	9.99	0.53	0.37	0.28	0.22	0.65	0.33	0.55	0.25	
16-17	0.44	0.33	0.26	9.99	0.36	0.25	0.19	0.15	0.44	0.23	0.38	0.18	
17-18	0.18	0.14	0.11	9.99	0.15	0.10	0.08	0.06	0.18	0.09	0.15	0.07	
18-19	0.01	0.01	0.01	9.99	0.01	0.01	0.01	0.00	0.02	0.01	0.02	0.00	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	9.80	7.60	5.84	99.99	8.08	5.68	4.18	3.30	9.86	5.10	7.94	3.59	

SEP. 29													
LONGWAVE RADIATION (MJ/M**2)													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (Kw/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	(SURFACE) LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.52	0.62	0.51	0.64	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
1- 2	0.52	0.63	0.52	0.64	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
2- 3	0.53	0.63	0.52	0.64	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
3- 4	0.53	0.64	0.52	0.65	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
4- 5	0.54	0.64	0.53	0.65	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0		
5- 6	0.55	0.64	0.54	0.65	0.06	-0.09	-0.03	0.0	0.0	0.0	0.0		
6- 7	0.54	0.65	0.55	0.66	0.02	-0.10	-0.08	0.016	0.014	0.012	0.011		
7- 8	0.54	0.65	0.54	0.66	0.06	-0.11	-0.06	0.021	0.019	0.016	0.014		
8- 9	0.51	0.66	0.51	0.67	0.10	-0.16	-0.06	0.038	0.035	0.029	0.024		
9-10	0.50	0.67	0.51	0.68	0.15	-0.17	-0.02	0.067	0.058	0.048	0.041		
10-11	0.51	0.69	0.52	0.70	0.20	-0.17	0.03	0.107	0.092	0.076	0.066		
11-12	0.51	0.70	0.51	0.71	0.23	-0.18	0.05	0.387	0.324	0.270	0.235		
12-13	0.51	0.70	0.50	0.71	0.25	-0.19	0.05	0.386	0.322	0.269	0.234		
13-14	0.49	0.70	0.49	0.71	0.23	-0.21	0.02	0.483	0.404	0.338	0.295		
14-15	0.49	0.71	0.49	0.72	0.19	-0.21	-0.02	0.510	0.434	0.362	0.317		
15-16	0.49	0.70	0.49	0.70	0.12	-0.21	-0.09	0.351	0.301	0.254	0.222		
16-17	0.50	0.68	0.49	0.69	0.08	-0.19	-0.10	0.238	0.212	0.183	0.161		
17-18	0.47	0.67	0.47	0.68	0.03	-0.20	-0.17	0.076	0.070	0.062	0.054		
18-19	0.45	0.65	0.46	0.66	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
19-20	0.46	0.64	0.47	0.66	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
20-21	0.46	0.64	0.47	0.65	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
21-22	0.45	0.63	0.47	0.64	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
22-23	0.45	0.62	0.46	0.64	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
23-24	0.44	0.62	0.43	0.63	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
TOTAL	11.98	15.77	11.97	16.03	1.72	-3.80	-2.08						

SEP. 30												
SHORTWAVE RADIATION (MJ/M**2)												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.01	0.0	9.99	0.0	0.0	0.0	0.0	0.00	0.0	0.00	0.0
5-6	0.19	0.18	0.07	9.99	0.05	0.03	0.03	0.02	0.07	0.11	0.05	0.02
6-7	0.24	0.20	0.16	9.99	0.21	0.15	0.11	0.09	0.24	0.14	0.20	0.09
7-8	0.52	0.40	0.32	9.99	0.44	0.32	0.23	0.19	0.52	0.28	0.40	0.18
8-9	0.78	0.59	0.46	9.99	0.65	0.46	0.34	0.27	0.78	0.40	0.60	0.27
9-10	1.11	0.86	0.67	9.99	0.93	0.66	0.49	0.38	1.12	0.58	0.86	0.39
10-11	1.28	1.00	0.77	9.99	1.06	0.75	0.55	0.43	1.29	0.68	1.01	0.46
11-12	1.40	1.08	0.84	9.99	1.14	0.80	0.59	0.46	1.40	0.74	1.10	0.50
12-13	1.45	1.11	0.87	9.99	1.17	0.82	0.61	0.48	1.44	0.75	1.15	0.53
13-14	1.18	0.93	0.72	9.99	0.97	0.68	0.50	0.40	1.20	0.62	0.97	0.44
14-15	0.97	0.78	0.60	9.99	0.81	0.57	0.42	0.33	1.01	0.52	0.82	0.38
15-16	0.79	0.62	0.48	9.99	0.64	0.45	0.34	0.27	0.80	0.42	0.67	0.32
16-17	0.51	0.38	0.30	9.99	0.40	0.29	0.22	0.18	0.51	0.27	0.44	0.22
17-18	0.21	0.16	0.12	9.99	0.17	0.12	0.09	0.07	0.22	0.11	0.18	0.09
18-19	0.02	0.02	0.01	9.99	0.02	0.01	0.01	0.01	0.03	0.01	0.02	0.01
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	10.64	8.29	6.38	99.99	8.65	6.13	4.53	3.58	10.62	5.63	8.47	3.91

SEP. 30												
LONGWAVE RADIATION (MJ/M**2)					NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	LONGWAVE					
0-1	0.43	0.61	0.44	0.62	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
1-2	0.43	0.61	0.44	0.62	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
2-3	0.43	0.60	0.44	0.62	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
3-4	0.42	0.60	0.44	0.61	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
4-5	0.42	0.60	0.44	0.62	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
5-6	0.43	0.60	0.43	0.61	0.14	-0.17	-0.03	0.006	0.006	0.006	0.005	0.005
6-7	0.45	0.60	0.44	0.62	0.03	-0.15	-0.12	0.157	0.143	0.128	0.114	0.114
7-8	0.44	0.61	0.43	0.62	0.08	-0.17	-0.09	0.314	0.262	0.232	0.185	0.185
8-9	0.44	0.62	0.44	0.63	0.13	-0.18	-0.05	0.372	0.290	0.261	0.202	0.202
9-10	0.45	0.64	0.44	0.64	0.18	-0.19	-0.01	0.434	0.357	0.301	0.261	0.261
10-11	0.46	0.65	0.45	0.66	0.22	-0.19	0.02	0.396	0.327	0.272	0.237	0.237
11-12	0.45	0.66	0.44	0.67	0.26	-0.22	0.04	0.485	0.396	0.331	0.287	0.287
12-13	0.45	0.67	0.44	0.68	0.28	-0.22	0.06	0.529	0.431	0.364	0.312	0.312
13-14	0.44	0.68	0.43	0.69	0.21	-0.24	-0.03	0.479	0.391	0.329	0.284	0.284
14-15	0.44	0.68	0.44	0.69	0.16	-0.24	-0.08	0.449	0.372	0.314	0.271	0.271
15-16	0.44	0.67	0.44	0.68	0.15	-0.24	-0.08	0.464	0.393	0.334	0.290	0.290
16-17	0.43	0.66	0.44	0.67	0.11	-0.23	-0.12	0.392	0.343	0.299	0.262	0.262
17-18	0.42	0.63	0.43	0.66	0.04	-0.21	-0.16	0.175	0.159	0.143	0.126	0.126
18-19	0.41	0.61	0.42	0.63	0.0	-0.20	-0.20	0.005	0.005	0.004	0.004	0.004
19-20	0.42	0.61	0.42	0.62	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0
20-21	0.43	0.62	0.43	0.63	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0
21-22	0.44	0.62	0.43	0.63	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
22-23	0.43	0.61	0.43	0.63	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
23-24	0.43	0.61	0.42	0.62	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0
TOTAL	10.42	15.07	10.45	15.36	2.00	-4.64	-2.65					

SHORTWAVE RADIATION (MJ/M**2)													
OCT. 1	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
HR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.00	0.0	0.00	0.0	
5-6	0.05	0.05	0.03	9.99	0.05	0.03	0.02	0.02	0.06	0.03	0.05	0.02	
6-7	0.24	0.21	0.18	9.99	0.24	0.17	0.13	0.11	0.24	0.14	0.22	0.10	
7-8	0.56	0.46	0.38	9.99	0.50	0.37	0.28	0.22	0.57	0.32	0.46	0.21	
8-9	0.78	0.62	0.49	9.99	0.68	0.48	0.36	0.26	0.79	0.43	0.62	0.28	
9-10	1.07	0.85	0.67	9.99	0.90	0.64	0.48	0.37	1.09	0.58	0.84	0.39	
10-11	1.22	0.95	0.74	9.99	1.01	0.71	0.52	0.41	1.24	0.65	0.96	0.43	
11-12	1.24	0.95	0.74	9.99	1.01	0.71	0.52	0.41	1.25	0.65	0.98	0.44	
12-13	1.19	0.91	0.70	9.99	0.97	0.68	0.49	0.39	1.20	0.62	0.95	0.42	
13-14	1.29	1.01	0.78	9.99	1.05	0.74	0.54	0.43	1.30	0.67	1.04	0.47	
14-15	1.13	0.90	0.70	9.99	0.93	0.66	0.49	0.39	1.15	0.60	0.94	0.44	
15-16	0.96	0.75	0.59	9.99	0.76	0.55	0.42	0.34	0.98	0.52	0.81	0.40	
16-17	0.62	0.45	0.36	9.99	0.47	0.34	0.27	0.21	0.61	0.32	0.52	0.28	
17-18	0.27	0.19	0.15	9.99	0.20	0.14	0.11	0.09	0.27	0.12	0.24	0.13	
18-19	0.04	0.04	0.02	9.99	0.03	0.02	0.01	0.01	0.04	0.01	0.04	0.02	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	10.67	8.34	6.53	99.99	8.79	6.25	4.63	3.68	10.60	5.66	8.66	4.02	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
OCT. 1	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
HR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.42	0.61	0.42	0.62	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
1-2	0.43	0.60	0.44	0.62	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
2-3	0.43	0.60	0.43	0.62	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
3-4	0.42	0.60	0.41	0.61	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
4-5	0.41	0.59	0.42	0.61	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
5-6	0.42	0.59	0.43	0.60	0.0	-0.18	-0.18	0.003	0.002	0.002	0.002		
6-7	0.42	0.60	0.42	0.61	0.01	-0.18	-0.17	0.046	0.042	0.038	0.034		
7-8	0.42	0.61	0.43	0.62	0.06	-0.19	-0.13	0.087	0.075	0.066	0.058		
8-9	0.41	0.62	0.41	0.62	0.11	-0.21	-0.10	0.123	0.100	0.084	0.075		
9-10	0.41	0.63	0.42	0.63	0.17	-0.21	-0.04	0.172	0.139	0.119	0.103		
10-11	0.44	0.64	0.44	0.64	0.21	-0.20	0.01	0.196	0.158	0.134	0.114		
11-12	0.45	0.65	0.45	0.66	0.23	-0.20	0.03	0.222	0.178	0.150	0.128		
12-13	0.46	0.66	0.46	0.67	0.22	-0.20	0.02	0.230	0.185	0.155	0.132		
13-14	0.47	0.67	0.47	0.67	0.24	-0.20	0.04	0.374	0.306	0.259	0.223		
14-15	0.45	0.68	0.46	0.68	0.20	-0.23	-0.03	0.550	0.456	0.386	0.334		
15-16	0.42	0.68	0.43	0.68	0.20	-0.26	-0.06	0.733	0.620	0.531	0.463		
16-17	0.40	0.64	0.41	0.67	0.15	-0.24	-0.09	0.659	0.577	0.503	0.441		
17-18	0.39	0.62	0.40	0.66	0.08	-0.23	-0.15	0.463	0.428	0.388	0.348		
18-19	0.38	0.61	0.39	0.63	0.01	-0.23	-0.22	0.083	0.080	0.074	0.068		
19-20	0.39	0.60	0.39	0.62	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0		
20-21	0.39	0.60	0.39	0.62	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0		
21-22	0.40	0.60	0.40	0.61	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
22-23	0.39	0.59	0.40	0.60	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
23-24	0.40	0.59	0.41	0.60	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0		
TOTAL	9.99	14.87	10.12	15.18	1.89	-4.88	-3.00						

SHORTWAVE RADIATION (MJ/M**2)												
OCT. 2	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.08	0.07	0.05	9.99	0.07	0.05	0.04	0.03	0.08	0.05	0.08	0.04
6-7	0.31	0.25	0.22	9.99	0.26	0.19	0.15	0.12	0.27	0.17	0.26	0.13
7-8	0.63	0.48	0.38	9.99	0.49	0.36	0.27	0.21	0.61	0.34	0.49	0.23
8-9	1.01	0.75	0.60	9.99	0.79	0.57	0.43	0.34	0.98	0.53	0.75	0.36
9-10	1.26	1.00	0.78	9.99	1.05	0.75	0.56	0.44	1.30	0.69	1.00	0.47
10-11	1.41	1.10	0.85	9.99	1.16	0.82	0.61	0.47	1.43	0.75	1.11	0.51
11-12	1.38	1.05	0.81	9.99	1.12	0.78	0.57	0.45	1.38	0.71	1.08	0.48
12-13	1.48	1.13	0.88	9.99	1.19	0.84	0.61	0.49	1.47	0.77	1.17	0.53
13-14	1.31	1.01	0.78	9.99	1.05	0.74	0.55	0.43	1.30	0.68	1.05	0.48
14-15	0.98	0.75	0.57	9.99	0.80	0.56	0.40	0.33	0.99	0.49	0.78	0.33
15-16	0.69	0.53	0.40	9.99	0.57	0.39	0.29	0.23	0.70	0.35	0.56	0.24
16-17	0.46	0.35	0.27	9.99	0.37	0.26	0.19	0.16	0.46	0.24	0.37	0.16
17-18	0.17	0.13	0.09	9.99	0.14	0.09	0.07	0.06	0.17	0.09	0.14	0.05
18-19	0.03	0.03	0.01	9.99	0.03	0.01	0.01	0.01	0.03	0.01	0.03	0.01
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	11.20	8.64	6.70	99.99	9.08	6.42	4.73	3.77	11.19	5.88	8.87	4.03

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
OCT. 2	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
HR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.42	0.59	0.43	0.60	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
1-2	0.47	0.60	0.47	0.60	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
2-3	0.45	0.60	0.45	0.61	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
3-4	0.45	0.60	0.45	0.61	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
4-5	0.45	0.60	0.45	0.61	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
5-6	0.44	0.60	0.44	0.61	0.01	-0.16	-0.15	0.005	0.005	0.004	0.004	
6-7	0.40	0.60	0.40	0.61	0.06	-0.20	-0.15	0.049	0.041	0.038	0.034	
7-8	0.42	0.61	0.41	0.62	0.14	-0.19	-0.05	0.063	0.050	0.045	0.039	
8-9	0.44	0.63	0.42	0.63	0.22	-0.20	0.03	0.147	0.115	0.098	0.087	
9-10	0.43	0.65	0.42	0.65	0.21	-0.21	-0.00	0.537	0.427	0.360	0.313	
10-11	0.45	0.66	0.45	0.66	0.25	-0.21	0.04	0.460	0.366	0.310	0.268	
11-12	0.49	0.67	0.49	0.67	0.26	-0.18	0.07	0.286	0.229	0.192	0.165	
12-13	0.48	0.69	0.48	0.69	0.29	-0.21	0.08	0.399	0.319	0.269	0.233	
13-14	0.49	0.70	0.49	0.70	0.25	-0.20	0.05	0.411	0.330	0.277	0.239	
14-15	0.59	0.70	0.59	0.70	0.18	-0.11	0.07	0.098	0.078	0.064	0.055	
15-16	0.57	0.70	0.57	0.70	0.13	-0.13	-0.00	0.069	0.057	0.048	0.041	
16-17	0.53	0.70	0.54	0.70	0.09	-0.16	-0.08	0.059	0.050	0.042	0.036	
17-18	0.52	0.68	0.52	0.69	0.03	-0.16	-0.14	0.003	0.003	0.002	0.002	
18-19	0.51	0.67	0.51	0.68	0.01	-0.16	-0.16	0.0	0.0	0.0	0.0	
19-20	0.52	0.67	0.52	0.67	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	
20-21	0.55	0.67	0.55	0.67	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
21-22	0.54	0.66	0.54	0.67	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
22-23	0.50	0.66	0.50	0.66	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
23-24	0.50	0.65	0.50	0.66	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
TOTAL	11.63	15.57	11.62	15.66	2.12	-3.94	-1.82					

SHORTWAVE RADIATION (MJ/M**2)												
UCT. 3	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HOOR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4- 5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5- 6	0.04	0.03	0.02	9.99	0.04	0.02	0.02	0.01	0.05	0.02	0.04	0.01
6- 7	0.20	0.15	0.10	9.99	0.17	0.11	0.08	0.07	0.21	0.09	0.17	0.06
7- 8	0.34	0.25	0.17	9.99	0.30	0.19	0.13	0.10	0.36	0.15	0.28	0.10
8- 9	0.61	0.45	0.33	9.99	0.50	0.34	0.24	0.20	0.62	0.29	0.48	0.19
9-10	0.78	0.64	0.43	9.99	0.65	0.45	0.31	0.23	0.79	0.37	0.62	0.17
10-11	0.97	0.71	0.51	9.99	0.81	0.54	0.38	0.30	0.98	0.44	0.77	0.29
11-12	1.07	0.77	0.55	9.99	0.91	0.61	0.41	0.33	1.08	0.46	0.86	0.31
12-13	1.03	0.75	0.54	9.99	0.86	0.58	0.40	0.32	1.04	0.46	0.82	0.31
13-14	0.96	0.70	0.51	9.99	0.80	0.54	0.37	0.30	0.97	0.43	0.76	0.29
14-15	0.77	0.55	0.39	9.99	0.65	0.44	0.29	0.24	0.78	0.33	0.62	0.22
15-16	0.55	0.39	0.27	9.99	0.47	0.31	0.21	0.17	0.55	0.23	0.44	0.16
16-17	0.34	0.25	0.17	9.99	0.30	0.19	0.13	0.11	0.35	0.15	0.28	0.10
17-18	0.16	0.12	0.08	9.99	0.14	0.09	0.07	0.05	0.17	0.08	0.14	0.05
18-19	0.06	0.05	0.01	9.99	0.03	0.01	0.01	0.01	0.04	0.01	0.03	0.01
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	7.88	5.81	4.07	99.99	6.63	4.44	3.05	2.42	7.99	3.52	6.31	2.25

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)														
UCT. 3	(SURFACE)				(30M)			(SURFACE)			(BLANK)			
HOOR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	(695)		
0- 1	0.52	0.65	0.53	0.65	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0		
1- 2	0.59	0.65	0.59	0.66	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0		
2- 3	0.61	0.66	0.61	0.66	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0		
3- 4	0.60	0.67	0.61	0.67	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0		
4- 5	0.59	0.67	0.60	0.67	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0		
5- 6	0.63	0.68	0.64	0.68	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0		
6- 7	0.68	0.69	0.68	0.69	0.03	-0.01	0.02	0.0	0.0	0.0	0.0	0.0		
7- 8	0.70	0.70	0.70	0.70	0.05	-0.00	0.05	0.0	0.0	0.0	0.0	0.0		
8- 9	0.63	0.70	0.63	0.70	0.10	-0.08	0.02	0.003	0.002	0.001	0.000	0.000		
9-10	0.62	0.71	0.62	0.71	0.13	-0.09	0.05	0.013	0.004	0.003	0.002	0.002		
10-11	0.65	0.72	0.65	0.73	0.16	-0.07	0.06	0.0	0.0	0.0	0.0	0.0		
11-12	0.70	0.73	0.70	0.73	0.17	-0.03	0.13	0.000	0.0	0.0	0.0	0.0		
12-13	0.66	0.74	0.66	0.73	0.17	-0.07	0.09	0.0	0.0	0.0	0.0	0.0		
13-14	0.66	0.74	0.66	0.74	0.16	-0.07	0.08	0.0	0.0	0.0	0.0	0.0		
14-15	0.71	0.74	0.71	0.74	0.12	-0.03	0.09	0.0	0.0	0.0	0.0	0.0		
15-16	0.72	0.74	0.72	0.74	0.08	-0.02	0.06	0.0	0.0	0.0	0.0	0.0		
16-17	0.73	0.74	0.74	0.73	0.04	-0.01	0.04	0.0	0.0	0.0	0.0	0.0		
17-18	0.72	0.73	0.72	0.73	0.02	-0.01	0.01	0.0	0.0	0.0	0.0	0.0		
18-19	0.72	0.73	0.72	0.72	0.03	-0.01	0.02	0.0	0.0	0.0	0.0	0.0		
19-20	0.69	0.72	0.69	0.72	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0		
20-21	0.71	0.71	0.71	0.71	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	0.0		
21-22	0.70	0.71	0.71	0.71	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	0.0		
22-23	0.68	0.71	0.68	0.71	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0		
23-24	0.68	0.70	0.68	0.70	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0		
TOTAL	15.91	16.93	15.96	16.95	1.25	-1.01	0.23							

SHORTWAVE RADIATION (MJ/M**2)													
OCT. 4	HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
		(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0
5-6	0.05	0.04	0.02	9.99	0.05	0.03	0.02	0.01	0.06	0.02	0.05	0.01	0.01
6-7	0.29	0.23	0.19	9.99	0.27	0.19	0.15	0.12	0.29	0.15	0.24	0.11	0.11
7-8	0.74	0.57	0.47	9.99	0.63	0.47	0.35	0.28	0.76	0.40	0.56	0.26	0.26
8-9	1.07	0.83	0.67	9.99	0.92	0.66	0.50	0.39	1.10	0.58	0.82	0.38	0.38
9-10	1.33	1.04	0.82	9.99	1.13	0.81	0.61	0.47	1.36	0.72	1.03	0.48	0.48
10-11	1.53	1.19	0.94	9.99	1.27	0.90	0.68	0.53	1.55	0.82	1.20	0.55	0.55
11-12	1.64	1.27	0.99	9.99	1.34	0.94	0.71	0.55	1.64	0.88	1.27	0.59	0.59
12-13	1.63	1.25	0.98	9.99	1.31	0.92	0.70	0.54	1.62	0.87	1.27	0.59	0.59
13-14	1.52	1.17	0.91	9.99	1.21	0.85	0.65	0.50	1.50	0.79	1.20	0.56	0.56
14-15	1.30	1.00	0.78	9.99	1.04	0.73	0.56	0.44	1.30	0.69	1.05	0.50	0.50
15-16	1.02	0.78	0.62	9.99	0.80	0.58	0.45	0.35	1.00	0.55	0.84	0.41	0.41
16-17	0.70	0.51	0.42	9.99	0.53	0.39	0.31	0.24	0.70	0.37	0.59	0.30	0.30
17-18	0.38	0.26	0.21	9.99	0.27	0.20	0.16	0.13	0.39	0.18	0.32	0.18	0.18
18-19	0.11	0.07	0.04	9.99	0.06	0.04	0.03	0.03	0.10	0.05	0.08	0.05	0.05
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	13.31	10.22	8.06	99.99	10.82	7.69	5.86	4.60	13.35	7.07	10.53	4.99	4.99

LONGWAVE RADIATION (MJ/M**2) ; NET RADIATION (MJ/M**2) ; DIRECT RADIATION (Kw/M**2)													
OCT. 4	HOUR	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (Kw/M**2)				
		(SURFACE)		(30M)		SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
		DOWNWARD	UPWARD	DOWNWARD	UPWARD								
0-1	0.69	0.70	0.69	0.70	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.68	0.70	0.68	0.70	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.58	0.69	0.58	0.69	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.49	0.66	0.48	0.68	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.48	0.65	0.49	0.67	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.48	0.64	0.48	0.65	0.0	-0.17	-0.17	9.990	9.990	9.990	9.990	9.990	9.990
6-7	0.44	0.64	0.44	0.65	0.02	-0.20	-0.18	9.990	9.990	9.990	9.990	9.990	9.990
7-8	0.42	0.64	0.41	0.65	0.11	-0.22	-0.12	9.990	9.990	9.990	9.990	9.990	9.990
8-9	0.40	0.65	0.40	0.65	0.16	-0.25	-0.09	9.990	9.990	9.990	9.990	9.990	9.990
9-10	0.40	0.66	0.40	0.66	0.20	-0.26	-0.07	9.990	9.990	9.990	9.990	9.990	9.990
10-11	0.38	0.67	0.39	0.67	0.26	-0.29	-0.03	9.990	9.990	9.990	9.990	9.990	9.990
11-12	0.37	0.68	0.38	0.68	0.30	-0.31	-0.00	9.990	9.990	9.990	9.990	9.990	9.990
12-13	0.38	0.69	0.38	0.68	0.32	-0.31	0.02	9.990	9.990	9.990	9.990	9.990	9.990
13-14	0.38	0.69	0.38	0.69	0.31	-0.31	0.00	0.992	0.817	0.690	0.598	0.598	0.598
14-15	0.39	0.69	0.40	0.70	0.27	-0.30	-0.03	0.962	0.799	0.677	0.588	0.588	0.588
15-16	0.38	0.66	0.38	0.68	0.21	-0.28	-0.07	0.910	0.768	0.656	0.572	0.572	0.572
16-17	0.37	0.64	0.39	0.68	0.17	-0.26	-0.10	0.823	0.719	0.624	0.551	0.551	0.551
17-18	0.37	0.61	0.39	0.66	0.11	-0.24	-0.13	0.686	0.631	0.566	0.507	0.507	0.507
18-19	0.36	0.58	0.38	0.63	0.06	-0.23	-0.17	0.311	0.302	0.285	0.263	0.263	0.263
19-20	0.36	0.59	0.39	0.62	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.36	0.58	0.38	0.62	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.37	0.57	0.38	0.61	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.36	0.56	0.38	0.61	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.38	0.56	0.39	0.62	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	10.25	15.38	10.46	15.84	2.49	-5.12	-2.63						

OCT. 5													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5	0.01	0.01	0.0	9.99	0.00	0.0	0.0	0.0	0.01	0.0	0.01	0.0	
5- 6	0.12	0.11	0.09	9.99	0.10	0.07	0.06	0.05	0.10	0.07	0.11	0.06	
6- 7	0.42	0.35	0.30	9.99	0.38	0.29	0.22	0.18	0.40	0.24	0.34	0.17	
7- 8	0.79	0.62	0.51	9.99	0.67	0.50	0.38	0.30	0.80	0.44	0.60	0.29	
8- 9	1.11	0.87	0.70	9.99	0.93	0.68	0.51	0.40	1.13	0.61	0.85	0.40	
9-10	1.38	1.08	0.86	9.99	1.15	0.83	0.62	0.48	1.40	0.75	1.06	0.49	
10-11	1.57	1.23	0.96	9.99	1.29	0.92	0.69	0.54	1.58	0.85	1.22	0.56	
11-12	1.60	1.30	1.01	9.99	1.35	0.96	0.71	0.56	1.67	0.90	1.30	0.60	
12-13	1.68	1.29	1.01	9.99	1.33	0.94	0.71	0.55	1.66	0.89	1.30	0.60	
13-14	1.56	1.19	0.94	9.99	1.23	0.87	0.66	0.51	1.53	0.81	1.23	0.57	
14-15	1.34	1.03	0.81	9.99	1.06	0.76	0.57	0.45	1.32	0.71	1.07	0.51	
15-16	1.05	0.81	0.65	9.99	0.82	0.59	0.46	0.36	1.06	0.57	0.86	0.43	
16-17	0.74	0.55	0.44	9.99	0.56	0.40	0.32	0.25	0.74	0.40	0.61	0.32	
17-18	0.40	0.28	0.23	9.99	0.29	0.21	0.17	0.14	0.41	0.19	0.33	0.19	
18-19	0.13	0.09	0.05	9.99	0.07	0.05	0.03	0.03	0.12	0.05	0.09	0.05	
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	13.98	10.81	8.58	99.99	11.24	8.08	6.12	4.81	13.94	7.49	10.97	5.24	

OCT. 5													
LONGWAVE RADIATION (MJ/M**2)													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.37	0.55	0.39	0.61	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
1- 2	0.37	0.55	0.39	0.60	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
2- 3	0.36	0.54	0.36	0.57	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
3- 4	0.36	0.54	0.37	0.54	0.0	-0.18	-0.16	0.0	0.0	0.0	0.0		
4- 5	0.38	0.53	0.38	0.53	0.00	-0.15	-0.15	0.0	0.0	0.0	0.0		
5- 6	0.38	0.53	0.35	0.54	0.02	-0.15	-0.13	9.990	9.990	9.990	9.990		
6- 7	0.37	0.54	0.37	0.55	0.05	-0.18	-0.13	9.990	9.990	9.990	9.990		
7- 8	0.36	0.56	0.36	0.56	0.11	-0.20	-0.09	9.990	9.990	9.990	9.990		
8- 9	0.35	0.58	0.35	0.58	0.18	-0.23	-0.05	9.990	9.990	9.990	9.990		
9-10	0.34	0.59	0.34	0.59	0.22	-0.25	-0.03	9.990	9.990	9.990	9.990		
10-11	0.34	0.61	0.35	0.61	0.28	-0.27	0.01	9.990	9.990	9.990	9.990		
11-12	0.34	0.62	0.34	0.62	0.34	-0.28	0.06	9.990	9.990	9.990	9.990		
12-13	0.33	0.63	0.34	0.63	0.35	-0.30	0.05	9.990	9.990	9.990	9.990		
13-14	0.33	0.63	0.35	0.63	0.32	-0.31	0.02	9.990	9.990	9.990	9.990		
14-15	0.33	0.63	0.35	0.63	0.28	-0.30	-0.02	0.975	0.814	0.687	0.601		
15-16	0.33	0.63	0.33	0.63	0.22	-0.30	-0.07	0.920	0.781	0.666	0.581		
16-17	0.33	0.61	0.34	0.62	0.18	-0.27	-0.09	0.847	0.741	0.641	0.566		
17-18	0.33	0.59	0.34	0.62	0.12	-0.26	-0.14	0.711	0.653	0.583	0.522		
18-19	0.32	0.57	0.33	0.60	0.07	-0.25	-0.18	0.327	0.316	0.296	0.272		
19-20	0.31	0.56	0.32	0.58	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0		
20-21	0.33	0.55	0.31	0.58	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0		
21-22	0.32	0.55	0.33	0.58	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0		
22-23	0.32	0.55	0.33	0.58	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0		
23-24	0.32	0.56	0.32	0.57	0.0	-0.24	-0.24	0.0	0.0	0.0	0.0		
TOTAL	8.22	13.81	8.39	14.15	2.74	-5.58	-2.84						

OCT. 6												
SHORTWAVE RADIATION (MJ/M**2)												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.04	0.04	0.0	9.99	0.01	0.00	0.0	0.0	0.01	0.00	0.01	0.00
5-6	0.15	0.14	0.13	9.99	0.13	0.10	0.08	0.07	0.12	0.09	0.13	0.07
6-7	0.46	0.38	0.33	9.99	0.41	0.32	0.24	0.20	0.45	0.27	0.36	0.19
7-8	0.70	0.57	0.47	9.99	0.62	0.47	0.35	0.29	0.71	0.39	0.55	0.26
8-9	1.16	0.90	0.73	9.99	0.97	0.71	0.53	0.41	1.18	0.63	0.87	0.41
9-10	1.42	1.11	0.88	9.99	1.19	0.85	0.64	0.50	1.44	0.77	1.09	0.51
10-11	1.61	1.25	0.98	9.99	1.32	0.94	0.70	0.54	1.62	0.86	1.24	0.57
11-12	1.73	1.33	1.04	9.99	1.38	0.97	0.73	0.56	1.71	0.91	1.33	0.61
12-13	1.72	1.31	1.03	9.99	1.36	0.96	0.72	0.55	1.70	0.90	1.33	0.62
13-14	1.60	1.22	0.96	9.99	1.26	0.89	0.67	0.52	1.57	0.83	1.26	0.59
14-15	1.38	1.06	0.83	9.99	1.09	0.77	0.58	0.46	1.36	0.73	1.10	0.52
15-16	1.07	0.83	0.66	9.99	0.85	0.61	0.46	0.37	1.09	0.58	0.89	0.44
16-17	0.75	0.56	0.45	9.99	0.58	0.42	0.33	0.26	0.77	0.41	0.64	0.33
17-18	0.33	0.23	0.18	9.99	0.25	0.18	0.14	0.11	0.34	0.16	0.29	0.15
18-19	0.06	0.04	0.03	9.99	0.05	0.03	0.02	0.02	0.06	0.02	0.06	0.02
19-20	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	14.17	10.98	8.70	99.99	11.46	8.23	6.19	4.84	14.14	7.57	11.15	5.27

OCT. 6												
LONGWAVE RADIATION (MJ/M**2)					NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL					
0-1	0.31	0.55	0.32	0.57	0.0	-0.24	-0.24	0.0	0.0	0.0	0.0	
1-2	0.33	0.56	0.32	0.56	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
2-3	0.33	0.56	0.34	0.56	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
3-4	0.33	0.56	0.33	0.56	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
4-5	0.33	0.55	0.33	0.56	0.03	-0.23	-0.20	0.001	0.001	0.001	0.001	
5-6	0.33	0.55	0.33	0.56	0.02	-0.23	-0.21	9.990	9.990	9.990	9.990	
6-7	0.33	0.56	0.33	0.56	0.05	-0.22	-0.17	9.990	9.990	9.990	9.990	
7-8	0.35	0.56	0.35	0.57	0.08	-0.22	-0.13	0.634	0.504	0.432	0.396	
8-9	0.34	0.58	0.36	0.58	0.20	-0.24	-0.05	0.775	0.636	0.541	0.478	
9-10	0.35	0.60	0.35	0.60	0.23	-0.25	-0.02	0.861	0.703	0.593	0.522	
10-11	0.36	0.62	0.36	0.62	0.29	-0.26	0.03	0.920	0.756	0.635	0.552	
11-12	0.35	0.63	0.36	0.63	0.35	-0.28	0.07	0.965	0.793	0.664	0.577	
12-13	0.35	0.65	0.36	0.65	0.36	-0.29	0.06	0.988	0.811	0.678	0.590	
13-14	0.36	0.66	0.35	0.66	0.33	-0.31	0.03	0.992	0.818	0.685	0.597	
14-15	0.36	0.67	0.36	0.67	0.29	-0.31	-0.02	0.969	0.806	0.679	0.592	
15-16	0.34	0.67	0.37	0.67	0.23	-0.32	-0.10	0.885	0.747	0.632	0.552	
16-17	0.34	0.63	0.35	0.66	0.17	-0.29	-0.12	0.827	0.718	0.618	0.545	
17-18	0.34	0.62	0.35	0.65	0.08	-0.28	-0.21	0.460	0.411	0.359	0.319	
18-19	0.35	0.61	0.34	0.62	0.00	-0.26	-0.25	0.073	0.068	0.062	0.057	
19-20	0.34	0.60	0.36	0.61	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0	
20-21	0.34	0.59	0.35	0.60	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0	
21-22	0.34	0.59	0.34	0.61	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0	
22-23	0.35	0.59	0.34	0.61	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0	
23-24	0.35	0.58	0.33	0.61	0.0	-0.24	-0.24	0.0	0.0	0.0	0.0	
TOTAL	8.19	14.34	8.29	14.55	2.71	-6.15	-3.43	0.0	0.0	0.0	0.0	



		SHORTWAVE RADIATION (MJ/M**2)											
OCT. 7		GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HOOR	:	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	:	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	:	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	:	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	:	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	:	0.01	0.00	0.00	9.99	0.01	0.00	0.0	0.0	0.01	0.01	0.01	0.00
5-6	:	0.15	0.15	0.13	9.99	0.15	0.11	0.08	0.07	0.13	0.10	0.15	0.08
6-7	:	0.48	0.40	0.35	9.99	0.44	0.34	0.25	0.21	0.47	0.28	0.39	0.19
7-8	:	0.85	0.67	0.56	9.99	0.73	0.54	0.40	0.32	0.87	0.47	0.64	0.31
8-9	:	1.19	0.93	0.74	9.99	0.99	0.72	0.53	0.42	1.21	0.65	0.89	0.41
9-10	:	1.42	1.13	0.90	9.99	1.19	0.85	0.63	0.49	1.45	0.79	1.09	0.50
10-11	:	1.60	1.27	1.00	9.99	1.30	0.93	0.69	0.53	1.64	0.88	1.24	0.56
11-12	:	1.71	1.35	1.06	9.99	1.36	0.96	0.72	0.55	1.73	0.93	1.31	0.60
12-13	:	1.70	1.33	1.05	9.99	1.34	0.94	0.70	0.54	1.71	0.92	1.31	0.60
13-14	:	1.56	1.24	0.97	9.99	1.24	0.87	0.65	0.51	1.57	0.84	1.23	0.57
14-15	:	1.37	1.07	0.84	9.99	1.09	0.77	0.58	0.45	1.37	0.74	1.10	0.51
15-16	:	1.10	0.86	0.68	9.99	0.87	0.62	0.47	0.37	1.11	0.59	0.91	0.44
16-17	:	0.78	0.58	0.47	9.99	0.60	0.43	0.34	0.27	0.80	0.42	0.65	0.33
17-18	:	0.46	0.31	0.26	9.99	0.32	0.24	0.19	0.15	0.46	0.22	0.37	0.20
18-19	:	0.15	0.10	0.07	9.99	0.09	0.06	0.05	0.04	0.15	0.06	0.12	0.07
19-20	:	0.01	0.0	0.0	9.99	0.00	0.0	0.0	0.0	0.01	0.0	0.00	0.0
20-21	:	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	:	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	:	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	:	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	:	14.57	11.40	9.08	99.99	11.72	8.39	6.28	4.93	14.69	7.90	11.44	5.38

		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
OCT. 7		(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)
HOOR	:	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL				
0-1	:	0.35	0.59	0.35	0.60	0.0	-0.24	-0.24	0.0	0.0	0.0	0.0
1-2	:	0.34	0.59	0.35	0.60	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0
2-3	:	0.34	0.59	0.34	0.59	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0
3-4	:	0.33	0.59	0.34	0.59	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0
4-5	:	0.33	0.58	0.34	0.59	0.0	-0.25	-0.25	9.990	9.990	9.990	9.990
5-6	:	0.34	0.58	0.34	0.59	0.01	-0.24	-0.23	9.990	9.990	9.990	9.990
6-7	:	0.34	0.59	0.34	0.60	0.05	-0.26	-0.21	9.990	9.990	9.990	9.990
7-8	:	0.34	0.61	0.34	0.61	0.13	-0.27	-0.14	9.990	9.990	9.990	9.990
8-9	:	0.35	0.62	0.34	0.62	0.20	-0.27	-0.08	9.990	9.990	9.990	9.990
9-10	:	0.36	0.64	0.36	0.64	0.23	-0.28	-0.05	9.990	9.990	9.990	9.990
10-11	:	0.36	0.65	0.37	0.65	0.30	-0.29	0.01	9.990	9.990	9.990	9.990
11-12	:	0.36	0.67	0.36	0.67	0.35	-0.31	0.05	9.990	9.990	9.990	9.990
12-13	:	0.36	0.68	0.37	0.68	0.37	-0.32	0.05	9.990	9.990	9.990	9.990
13-14	:	0.35	0.69	0.38	0.69	0.34	-0.33	0.00	9.990	9.990	9.990	9.990
14-15	:	0.36	0.69	0.38	0.69	0.29	-0.33	-0.04	9.990	9.990	9.990	9.990
15-16	:	0.36	0.68	0.36	0.69	0.23	-0.31	-0.08	0.923	0.779	0.659	0.575
16-17	:	0.36	0.65	0.36	0.68	0.18	-0.29	-0.12	0.868	0.753	0.647	0.567
17-18	:	0.36	0.64	0.36	0.67	0.13	-0.28	-0.15	0.734	0.666	0.588	0.522
18-19	:	0.37	0.62	0.36	0.63	0.06	-0.25	-0.19	0.421	0.405	0.376	0.342
19-20	:	0.36	0.60	0.36	0.62	0.00	-0.25	-0.24	0.002	0.002	0.001	0.001
20-21	:	0.37	0.60	0.38	0.61	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0
21-22	:	0.36	0.59	0.37	0.62	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0
22-23	:	0.37	0.59	0.36	0.62	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0
23-24	:	0.37	0.60	0.37	0.61	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0
TOTAL	:	8.49	14.92	8.59	15.13	2.86	-6.43	-3.57				

OCT. 8		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.01	0.01	0.00	9.99	0.01	0.00	0.00	0.00	0.02	0.01	0.02	0.00	
5-6	0.22	0.19	0.15	9.99	0.17	0.13	0.10	0.08	0.17	0.12	0.16	0.09	
6-7	0.53	0.42	0.36	9.99	0.45	0.34	0.26	0.21	0.52	0.30	0.41	0.20	
7-8	0.83	0.64	0.53	9.99	0.69	0.51	0.38	0.30	0.86	0.47	0.65	0.31	
8-9	1.06	0.83	0.66	9.99	0.89	0.64	0.47	0.37	1.12	0.60	0.86	0.40	
9-10	1.35	1.03	0.80	9.99	1.08	0.78	0.56	0.45	1.37	0.73	1.07	0.49	
10-11	1.51	1.15	0.89	9.99	1.20	0.86	0.62	0.50	1.55	0.82	1.22	0.55	
11-12	1.65	1.25	0.96	9.99	1.29	0.92	0.67	0.53	1.66	0.87	1.32	0.60	
12-13	1.63	1.23	0.96	9.99	1.30	0.92	0.67	0.53	1.65	0.86	1.33	0.61	
13-14	1.50	1.14	0.89	9.99	1.19	0.85	0.62	0.49	1.53	0.81	1.26	0.58	
14-15	1.30	0.99	0.77	9.99	1.03	0.73	0.54	0.43	1.32	0.70	1.10	0.52	
15-16	1.03	0.79	0.61	9.99	0.82	0.59	0.44	0.35	1.06	0.57	0.91	0.44	
16-17	0.71	0.53	0.42	9.99	0.55	0.40	0.30	0.25	0.73	0.39	0.64	0.33	
17-18	0.37	0.27	0.22	9.99	0.29	0.21	0.16	0.13	0.39	0.20	0.36	0.19	
18-19	0.11	0.08	0.06	9.99	0.09	0.06	0.04	0.04	0.12	0.05	0.11	0.05	
19-20	0.03	0.02	0.0	9.99	0.00	0.0	0.0	0.0	0.01	0.0	0.01	0.0	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	13.86	10.57	8.27	99.99	11.05	7.96	5.80	4.66	14.09	7.50	11.42	5.38	

OCT. 8		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (Kw/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	LONGWAVE					
0-1	0.36	0.59	0.37	0.60	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	0.0
1-2	0.34	0.59	0.34	0.59	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0	0.0
2-3	0.33	0.58	0.33	0.59	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0	0.0
3-4	0.32	0.58	0.33	0.58	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0	0.0
4-5	0.32	0.58	0.33	0.58	0.0	-0.25	-0.25	0.015	0.014	0.014	0.014	0.014
5-6	0.35	0.57	0.33	0.58	0.05	-0.23	-0.18	0.410	0.336	0.303	0.299	0.299
6-7	0.35	0.58	0.34	0.58	0.08	-0.23	-0.15	0.603	0.490	0.418	0.399	0.399
7-8	0.36	0.58	0.35	0.58	0.14	-0.22	-0.08	0.497	0.404	0.340	0.313	0.313
8-9	0.41	0.59	0.39	0.58	0.20	-0.17	0.02	0.290	0.229	0.188	0.168	0.168
9-10	0.44	0.60	0.41	0.60	0.27	-0.15	0.11	0.261	0.210	0.174	0.150	0.150
10-11	0.47	0.61	0.43	0.63	0.32	-0.14	0.17	0.230	0.181	0.148	0.132	0.132
11-12	0.47	0.63	0.44	0.65	0.35	-0.16	0.20	0.287	0.229	0.186	0.163	0.163
12-13	0.48	0.64	0.44	0.66	0.33	-0.17	0.17	0.324	0.250	0.203	0.183	0.183
13-14	0.48	0.65	0.44	0.66	0.32	-0.17	0.14	0.334	0.273	0.204	0.187	0.187
14-15	0.47	0.65	0.43	0.65	0.27	-0.18	0.09	0.314	0.264	0.206	0.186	0.186
15-16	0.45	0.65	0.41	0.65	0.22	-0.20	0.01	0.337	0.276	0.230	0.196	0.196
16-17	0.43	0.65	0.40	0.64	0.16	-0.22	-0.06	0.287	0.244	0.198	0.174	0.174
17-18	0.43	0.64	0.39	0.64	0.08	-0.21	-0.13	0.135	0.121	0.100	0.088	0.088
18-19	0.42	0.62	0.38	0.63	0.02	-0.20	-0.18	0.016	0.014	0.011	0.010	0.010
19-20	0.41	0.61	0.39	0.62	0.03	-0.20	-0.17	0.0	0.0	0.0	0.0	0.0
20-21	0.41	0.61	0.38	0.61	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
21-22	0.40	0.60	0.38	0.61	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
22-23	0.40	0.60	0.37	0.60	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
23-24	0.39	0.60	0.37	0.60	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
TOTAL	9.70	14.60	9.16	14.71	2.82	-4.90	-2.08					

OCT. 9													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.01	0.01	0.00	9.99	0.02	0.00	0.00	0.0	0.0	0.0	0.0	0.0	
5-6	0.22	0.17	0.14	9.99	0.15	0.10	0.08	0.06	0.02	0.00	0.02	0.00	
6-7	0.64*	0.47	0.38	9.99	0.42	0.32	0.23	0.19	0.16	0.10	0.16	0.08	
7-8	1.03*	0.74	0.58	9.99	0.71	0.53	0.39	0.31	0.51	0.29	0.42	0.21	
8-9	1.36*	0.98	0.76	9.99	0.98	0.71	0.52	0.31	0.91	0.48	0.68	0.32	
9-10	1.61*	1.16	0.89	9.99	1.20	0.86	0.62	0.49	1.24	0.65	0.93	0.43	
10-11	1.82*	1.29	0.99	9.99	1.34	0.96	0.70	0.55	1.50	0.78	1.14	0.52	
11-12	1.94*	1.34	1.05	9.99	1.41	0.99	0.73	0.57	1.69	0.86	1.30	0.59	
12-13	1.93*	1.34	1.05	9.99	1.39	0.98	0.72	0.56	1.77	0.92	1.38	0.62	
13-14	1.78*	1.25	0.97	9.99	1.30	0.91	0.68	0.53	1.76	0.92	1.38	0.63	
14-15	1.51*	1.09	0.85	9.99	1.13	0.80	0.60	0.47	1.63	0.84	1.30	0.60	
15-16	1.19*	0.88	0.69	9.99	0.90	0.64	0.48	0.36	1.42	0.75	1.15	0.54	
16-17	0.82*	0.60	0.48	9.99	0.63	0.45	0.35	0.28	1.15	0.61	0.94	0.45	
17-18	0.50*	0.33	0.28	9.99	0.35	0.26	0.20	0.17	0.82	0.43	0.68	0.35	
18-19	0.24*	0.14	0.09	9.99	0.11	0.08	0.06	0.06	0.48	0.24	0.41	0.22	
19-20	0.03	0.02	0.0	9.99	0.01	0.00	0.0	0.0	0.19	0.09	0.15	0.08	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.02	0.0	0.01	0.00	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	16.64	11.82	9.21	99.99	12.04	8.60	6.35	5.04	15.25	8.00	12.05	5.64	

OCT. 9													
LONGWAVE RADIATION (MJ/M**2)													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.39	0.59	0.37	0.60	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	
1-2	0.39	0.59	0.38	0.60	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	
2-3	0.39	0.59	0.39	0.60	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	
3-4	0.39	0.59	0.39	0.59	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	
4-5	0.40	0.58	0.39	0.59	0.0	-0.19	-0.19	9.990	9.990	9.990	9.990	9.990	
5-6	0.40	0.59	0.39	0.59	0.07	-0.19	-0.12	9.990	9.990	9.990	9.990	9.990	
6-7	0.40	0.59	0.38	0.60	0.21	-0.20	0.02	9.990	9.990	9.990	9.990	9.990	
7-8	0.40	0.61	0.38	0.60	0.32	-0.20	0.12	9.990	9.990	9.990	9.990	9.990	
8-9	0.41	0.62	0.39	0.61	0.38	-0.21	0.17	9.990	9.990	9.990	9.990	9.990	
9-10	0.42	0.63	0.40	0.63	0.42	-0.21	0.21	9.990	9.990	9.990	9.990	9.990	
10-11	0.41	0.65	0.41	0.66	0.47	-0.24	0.24	9.990	9.990	9.990	9.990	9.990	
11-12	0.42	0.66	0.40	0.68	0.53	-0.24	0.29	9.990	9.990	9.990	9.990	9.990	
12-13	0.40	0.67	0.40	0.69	0.54	-0.26	0.26	9.990	9.990	9.990	9.990	9.990	
13-14	0.39	0.68	0.39	0.68	0.48	-0.28	0.20	9.990	9.990	9.990	9.990	9.990	
14-15	0.40	0.68	0.40	0.68	0.38	-0.28	0.10	9.938	9.779	9.650	9.564	9.564	
15-16	0.39	0.67	0.40	0.67	0.29	-0.28	0.01	9.871	9.733	9.617	9.537	9.537	
16-17	0.39	0.66	0.39	0.65	0.20	-0.27	-0.07	9.828	9.714	9.609	9.533	9.533	
17-18	0.38	0.64	0.38	0.64	0.15	-0.26	-0.11	9.692	9.624	9.546	9.483	9.483	
18-19	0.37	0.63	0.38	0.63	0.13	-0.25	-0.13	9.434	9.416	9.384	9.351	9.351	
19-20	0.36	0.61	0.36	0.62	0.03	-0.25	-0.22	9.016	9.015	9.014	9.013	9.013	
20-21	0.35	0.60	0.35	0.61	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0	0.0	
21-22	0.35	0.59	0.35	0.60	0.0	-0.24	-0.24	0.0	0.0	0.0	0.0	0.0	
22-23	0.36	0.59	0.37	0.60	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	0.0	
23-24	0.36	0.59	0.37	0.59	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	0.0	
TOTAL	9.31	14.89	9.19	15.01	4.61	-5.58	-0.97	0.0	0.0	0.0	0.0	0.0	

OCT. 10												
SHORTWAVE RADIATION (MJ/M**2)												
HOUR	GLOBAL(SURFACE)				REFLECTED(SURFACE)				GLOBAL(30M)		REFLECTED(30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.02	0.02	0.02	9.99	0.02	0.01	0.01	0.00	0.03	0.01	0.03	0.01
5-6	0.25	0.21	0.18	9.99	0.21	0.16	0.12	0.10	0.21	0.13	0.19	0.10
6-7	0.57	0.45	0.39	9.99	0.50	0.38	0.28	0.23	0.56	0.32	0.44	0.22
7-8	0.94	0.72	0.60	9.99	0.79	0.58	0.42	0.34	0.95	0.51	0.70	0.33
8-9	1.26	0.98	0.79	9.99	1.05	0.76	0.55	0.44	1.29	0.69	0.95	0.43
9-10	1.51	1.18	0.94	9.99	1.26	0.90	0.66	0.51	1.54	0.81	1.16	0.53
10-11	1.71	1.32	1.04	9.99	1.40	0.99	0.72	0.56	1.74	0.91	1.32	0.60
11-12	1.83	1.38	1.09	9.99	1.45	1.02	0.74	0.58	1.81	0.96	1.40	0.62
12-13	1.61	1.37	1.08	9.99	1.43	1.00	0.74	0.57	1.79	0.94	1.40	0.62
13-14	1.68	1.27	1.00	9.99	1.33	0.93	0.69	0.54	1.67	0.87	1.32	0.60
14-15	1.45	1.11	0.87	9.99	1.15	0.81	0.60	0.47	1.45	0.76	1.16	0.54
15-16	1.15	0.89	0.71	9.99	0.91	0.65	0.49	0.39	1.17	0.62	0.95	0.45
16-17	0.82	0.62	0.51	9.99	0.65	0.46	0.36	0.28	0.85	0.45	0.69	0.35
17-18	0.51	0.35	0.29	9.99	0.37	0.27	0.21	0.17	0.51	0.26	0.41	0.22
18-19	0.25	0.15	0.12	9.99	0.12	0.09	0.07	0.06	0.21	0.11	0.16	0.09
19-20	0.05	0.01	0.00	9.99	0.01	0.00	0.00	0.00	0.03	0.00	0.01	0.00
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	15.80	12.02	9.62	99.99	12.64	9.02	6.64	5.26	15.81	8.35	12.29	5.72

OCT. 10												
LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (Kw/M**2)												
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.35	0.58	0.36	0.59	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
1-2	0.37	0.58	0.37	0.58	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	
2-3	0.37	0.57	0.38	0.58	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
3-4	0.37	0.57	0.38	0.58	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
4-5	0.37	0.57	0.38	0.58	0.0	-0.20	-0.20	9.990	9.990	9.990	9.990	
5-6	0.37	0.57	0.38	0.58	0.04	-0.20	-0.17	9.990	9.990	9.990	9.990	
6-7	0.37	0.58	0.38	0.59	0.08	-0.21	-0.13	9.990	9.990	9.990	9.990	
7-8	0.38	0.60	0.38	0.60	0.15	-0.22	-0.07	9.990	9.990	9.990	9.990	
8-9	0.39	0.62	0.39	0.61	0.21	-0.23	-0.01	9.990	9.990	9.990	9.990	
9-10	0.39	0.64	0.39	0.64	0.24	-0.25	-0.01	9.990	9.990	9.990	9.990	
10-11	0.40	0.66	0.40	0.66	0.32	-0.26	0.06	9.990	9.990	9.990	9.990	
11-12	0.39	0.68	0.41	0.68	0.37	-0.29	0.08	9.990	9.990	9.990	9.990	
12-13	0.41	0.69	0.41	0.69	0.38	-0.29	0.09	9.990	9.990	9.990	9.990	
13-14	0.40	0.70	0.42	0.70	0.35	-0.30	0.05	9.990	9.990	9.990	9.990	
14-15	0.40	0.70	0.42	0.70	0.30	-0.31	-0.01	0.977	0.805	0.681	0.589	
15-16	0.40	0.70	0.41	0.70	0.24	-0.30	-0.07	0.907	0.757	0.645	0.560	
16-17	0.40	0.69	0.40	0.69	0.18	-0.30	-0.12	0.865	0.741	0.640	0.559	
17-18	0.41	0.67	0.40	0.68	0.14	-0.27	-0.13	0.744	0.664	0.589	0.520	
18-19	0.40	0.65	0.40	0.65	0.13	-0.25	-0.12	0.508	0.483	0.450	0.410	
19-20	0.38	0.63	0.39	0.62	0.04	-0.25	-0.21	0.042	0.041	0.039	0.036	
20-21	0.37	0.62	0.37	0.62	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0	
21-22	0.38	0.61	0.38	0.62	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
22-23	0.37	0.60	0.38	0.61	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
23-24	0.36	0.59	0.37	0.60	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
TOTAL	9.18	15.07	9.34	15.15	3.17	-5.90	-2.73					

OCT. 11	SHORTWAVE RADIATION (MJ/M**2)												
	HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
		(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.02	0.01	0.01	9.99	0.02	0.01	0.00	0.00	0.03	0.01	0.03	0.01	
5-6	0.21	0.17	0.15	9.99	0.18	0.14	0.10	0.08	0.21	0.14	0.19	0.10	
6-7	0.61	0.45	0.39	9.99	0.49	0.37	0.27	0.23	0.60	0.33	0.45	0.22	
7-8	0.98	0.74	0.61	9.99	0.80	0.59	0.43	0.35	1.00	0.52	0.72	0.34	
8-9	1.29	0.99	0.80	9.99	1.06	0.77	0.56	0.45	1.32	0.70	0.97	0.45	
9-10	1.53	1.19	0.95	9.99	1.28	0.91	0.67	0.52	1.57	0.83	1.18	0.54	
10-11	1.74	1.33	1.05	9.99	1.41	1.00	0.73	0.57	1.75	0.92	1.33	0.60	
11-12	1.83	1.40	1.10	9.99	1.46	1.03	0.76	0.59	1.83	0.96	1.41	0.64	
12-13	1.82	1.38	1.09	9.99	1.44	1.01	0.74	0.58	1.81	0.95	1.41	0.64	
13-14	1.70	1.29	1.02	9.99	1.34	0.94	0.69	0.54	1.69	0.88	1.33	0.61	
14-15	1.47	1.12	0.89	9.99	1.17	0.82	0.61	0.12	1.47	0.77	1.18	0.54	
15-16	1.17	0.91	0.72	9.99	0.93	0.66	0.50	0.0	1.19	0.63	0.97	0.46	
16-17	0.84	0.63	0.52	9.99	0.66	0.48	0.37	0.0	0.87	0.46	0.71	0.35	
17-18	0.52	0.36	0.31	9.99	0.38	0.28	0.22	0.0	0.53	0.27	0.43	0.23	
18-19	0.21	0.13	0.11	9.99	0.14	0.10	0.07	0.0	0.22	0.10	0.17	0.10	
19-20	0.01	0.00	0.00	9.99	0.01	0.00	0.00	0.0	0.03	0.0	0.02	0.01	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	15.98	12.10	9.72	99.99	12.79	9.10	6.72	4.63	16.10	8.47	12.49	5.83	

OCT. 11	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL				
0-1	0.35	0.58	0.36	0.59	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0
1-2	0.35	0.58	0.36	0.59	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0
2-3	0.36	0.58	0.36	0.59	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0
3-4	0.37	0.58	0.37	0.59	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0
4-5	0.37	0.58	0.38	0.59	0.0	-0.20	-0.20	0.006	0.005	0.005	0.004
5-6	0.40	0.58	0.39	0.59	0.03	-0.19	-0.16	0.226	0.201	0.182	0.167
6-7	0.39	0.59	0.39	0.60	0.12	-0.20	-0.09	0.557	0.487	0.423	0.375
7-8	0.39	0.61	0.39	0.61	0.18	-0.22	-0.04	0.759	0.644	0.547	0.481
8-9	0.40	0.63	0.40	0.63	0.23	-0.23	-0.00	0.876	0.731	0.618	0.536
9-10	0.40	0.64	0.41	0.64	0.26	-0.24	0.02	0.937	0.772	0.648	0.561
10-11	0.40	0.66	0.40	0.65	0.32	-0.26	0.06	0.985	0.806	0.676	0.584
11-12	0.41	0.67	0.41	0.68	0.37	-0.26	0.11	1.007	0.821	0.687	0.595
12-13	0.40	0.69	0.42	0.68	0.38	-0.28	0.10	1.011	0.823	0.689	0.598
13-14	0.41	0.70	0.41	0.69	0.36	-0.29	0.07	1.000	0.819	0.687	0.594
14-15	0.42	0.70	0.42	0.70	0.30	-0.28	0.02	0.974	0.802	0.677	0.586
15-16	0.42	0.70	0.42	0.69	0.24	-0.28	-0.04	0.898	0.748	0.637	0.553
16-17	0.42	0.69	0.42	0.68	0.18	-0.27	-0.09	0.864	0.739	0.636	0.555
17-18	0.41	0.67	0.41	0.67	0.14	-0.26	-0.12	0.746	0.665	0.587	0.520
18-19	0.40	0.65	0.40	0.66	0.08	-0.25	-0.18	0.516	0.490	0.454	0.413
19-20	0.40	0.63	0.40	0.64	0.00	-0.23	-0.23	0.063	0.062	0.059	0.055
20-21	0.39	0.62	0.39	0.62	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0
21-22	0.38	0.61	0.38	0.61	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0
22-23	0.39	0.60	0.38	0.60	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0
23-24	0.39	0.59	0.39	0.59	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0
TOTAL	9.43	15.11	9.49	15.18	3.20	-5.68	-2.48	0.0	0.0	0.0	0.0

OCT. 12		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.05	0.03	0.03	9.99	0.03	0.02	0.01	0.01	0.05	0.03	0.04	0.02	
5-6	0.27	0.22	0.20	9.99	0.23	0.18	0.13	0.11	0.24	0.15	0.22	0.12	
6-7	0.61	0.48	0.42	9.99	0.52	0.39	0.29	0.24	0.61	0.35	0.47	0.23	
7-8	0.98	0.76	0.63	9.99	0.81	0.60	0.44	0.36	1.00	0.54	0.74	0.34	
8-9	1.30	1.01	0.82	9.99	1.08	0.79	0.58	0.46	1.34	0.73	0.99	0.46	
9-10	1.57	1.22	0.98	9.99	1.30	0.93	0.68	0.53	1.61	0.85	1.20	0.55	
10-11	1.77	1.36	1.08	9.99	1.43	1.02	0.74	0.58	1.78	0.94	1.35	0.62	
11-12	1.86	1.41	1.11	9.99	1.48	1.04	0.77	0.60	1.86	0.98	1.43	0.65	
12-13	1.84	1.40	1.10	9.99	1.46	1.01	0.75	0.58	1.83	0.96	1.43	0.65	
13-14	1.71	1.30	1.02	9.99	1.36	0.94	0.70	0.55	1.70	0.89	1.35	0.61	
14-15	1.49	1.13	0.89	9.99	1.19	0.83	0.62	0.49	1.48	0.78	1.19	0.55	
15-16	1.20	0.92	0.73	9.99	0.95	0.67	0.51	0.40	1.22	0.65	0.98	0.47	
16-17	0.85	0.65	0.53	9.99	0.68	0.49	0.38	0.30	0.88	0.47	0.73	0.36	
17-18	0.53	0.37	0.32	9.99	0.40	0.29	0.23	0.18	0.54	0.28	0.45	0.24	
18-19	0.25	0.15	0.12	9.99	0.15	0.11	0.08	0.07	0.24	0.11	0.18	0.10	
19-20	0.03	0.01	0.01	9.99	0.01	0.01	0.00	0.00	0.04	0.0	0.02	0.01	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	16.30	12.42	10.00	99.99	13.09	9.32	6.91	5.47	16.42	8.72	12.78	5.98	

OCT. 12		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE						
0-1	0.38	0.58	0.38	0.59	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
1-2	0.38	0.58	0.38	0.58	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
2-3	0.37	0.58	0.38	0.58	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
3-4	0.37	0.57	0.37	0.58	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
4-5	0.37	0.57	0.37	0.57	0.02	-0.20	-0.18	9.990	9.990	9.990	9.990	9.990
5-6	0.37	0.57	0.37	0.57	0.03	-0.20	-0.17	9.990	9.990	9.990	9.990	9.990
6-7	0.37	0.58	0.37	0.58	0.09	-0.21	-0.12	9.990	9.990	9.990	9.990	9.990
7-8	0.38	0.60	0.37	0.59	0.17	-0.22	-0.05	9.990	9.990	9.990	9.990	9.990
8-9	0.37	0.61	0.37	0.61	0.21	-0.24	-0.03	9.990	9.990	9.990	9.990	9.990
9-10	0.37	0.63	0.37	0.63	0.27	-0.26	0.01	9.990	9.990	9.990	9.990	9.990
10-11	0.38	0.65	0.38	0.65	0.33	-0.27	0.06	9.990	9.990	9.990	9.990	9.990
11-12	0.41	0.67	0.41	0.67	0.37	-0.26	0.11	0.986	0.803	0.672	0.583	0.583
12-13	0.41	0.70	0.42	0.70	0.39	-0.29	0.10	0.986	0.803	0.672	0.583	0.583
13-14	0.42	0.71	0.43	0.71	0.36	-0.29	0.06	0.968	0.792	0.665	0.576	0.576
14-15	0.42	0.73	0.43	0.72	0.30	-0.30	-0.00	0.951	0.783	0.659	0.572	0.572
15-16	0.43	0.72	0.43	0.73	0.25	-0.29	-0.04	0.913	0.762	0.646	0.562	0.562
16-17	0.43	0.72	0.43	0.73	0.17	-0.29	-0.12	0.843	0.721	0.618	0.542	0.542
17-18	0.41	0.70	0.41	0.71	0.14	-0.29	-0.15	0.715	0.638	0.561	0.499	0.499
18-19	0.41	0.67	0.40	0.68	0.10	-0.26	-0.16	0.519	0.491	0.452	0.412	0.412
19-20	0.40	0.65	0.41	0.67	0.02	-0.25	-0.23	0.092	0.091	0.087	0.081	0.081
20-21	0.41	0.64	0.40	0.66	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	0.0
21-22	0.41	0.64	0.41	0.65	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	0.0
22-23	0.41	0.64	0.42	0.65	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	0.0
23-24	0.42	0.64	0.42	0.65	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0	0.0
TOTAL	9.50	15.34	9.54	15.47	3.21	-5.84	-2.63					

OCT. 13	SHORTWAVE RADIATION (MJ/M**2)												
	HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
		(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4-5	0.05	0.04	0.03	9.99	0.04	0.02	0.01	0.01	0.04	0.02	0.04	0.02	
5-6	0.29*	0.23	0.20	9.99	0.22	0.16	0.12	0.10	0.24	0.14	0.22	0.11	
6-7	0.69*	0.48	0.41	9.99	0.53	0.39	0.29	0.24	0.65	0.35	0.50	0.24	
7-8	1.09*	0.75	0.62	9.99	0.83	0.60	0.44	0.36	1.04	0.54	0.75	0.35	
8-9	1.42*	1.01	0.81	9.99	1.10	0.79	0.58	0.46	1.37	0.72	1.01	0.45	
9-10	1.66*	1.21	0.96	9.99	1.32	0.93	0.68	0.54	1.63	0.84	1.22	0.55	
10-11	1.80*	1.35	1.07	9.99	1.46	1.01	0.74	0.56	1.79	0.93	1.37	0.61	
11-12	1.94	1.46	1.15	9.99	1.54	1.07	0.79	0.57	1.92	1.00	1.49	0.66	
12-13	1.86	1.34	1.06	9.99	1.43	0.99	0.73	0.57	1.79	0.92	1.40	0.62	
13-14	1.66	1.25	0.97	9.99	1.33	0.91	0.67	0.53	1.65	0.84	1.30	0.57	
14-15	1.85	1.41	1.09	9.99	1.46	1.03	0.76	0.60	1.86	0.96	1.46	0.66	
15-16	1.23	0.94	0.74	9.99	0.97	0.68	0.51	0.41	1.23	0.65	1.01	0.47	
16-17	0.89	0.67	0.54	9.99	0.71	0.50	0.38	0.31	0.91	0.48	0.74	0.36	
17-18	0.56	0.39	0.34	9.99	0.43	0.30	0.24	0.19	0.57	0.30	0.47	0.24	
18-19	0.26	0.16	0.14	9.99	0.17	0.12	0.09	0.08	0.26	0.12	0.20	0.11	
19-20	0.16	0.03	0.02	9.99	0.02	0.01	0.01	0.00	0.06	0.0	0.03	0.01	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	17.34	12.72	10.14	99.99	13.56	9.52	7.04	5.60	17.00	8.82	13.21	6.02	

OCT. 13	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL				
0-1	0.43	0.64	0.42	0.64	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0
1-2	0.43	0.64	0.43	0.64	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0
2-3	0.43	0.63	0.44	0.64	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0
3-4	0.44	0.64	0.44	0.64	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0
4-5	0.45	0.65	0.44	0.65	0.01	-0.20	-0.19	9.990	9.990	9.990	9.990
5-6	0.46	0.67	0.45	0.68	0.07	-0.20	-0.14	9.990	9.990	9.990	9.990
6-7	0.47	0.68	0.45	0.69	0.16	-0.21	-0.05	9.990	9.990	9.990	9.990
7-8	0.45	0.70	0.45	0.70	0.26	-0.25	0.01	9.990	9.990	9.990	9.990
8-9	0.46	0.72	0.46	0.72	0.32	-0.26	0.06	9.990	9.990	9.990	9.990
9-10	0.45	0.73	0.45	0.73	0.33	-0.28	0.06	9.990	9.990	9.990	9.990
10-11	0.46	0.75	0.46	0.75	0.35	-0.29	0.06	9.990	9.990	9.990	9.990
11-12	0.49	0.76	0.48	0.77	0.39	-0.28	0.12	0.941	0.759	0.636	0.542
12-13	0.49	0.77	0.48	0.77	0.37	-0.28	0.09	0.868	0.709	0.589	0.511
13-14	0.54	0.77	0.54	0.77	0.33	-0.23	0.10	0.661	0.532	0.446	0.381
14-15	0.57	0.78	0.57	0.78	0.38	-0.21	0.17	0.773	0.631	0.531	0.462
15-16	0.47	0.77	0.49	0.76	0.25	-0.30	-0.05	0.890	0.738	0.622	0.538
16-17	0.48	0.76	0.49	0.76	0.19	-0.27	-0.09	0.835	0.708	0.604	0.526
17-18	0.48	0.74	0.49	0.75	0.13	-0.26	-0.13	0.720	0.635	0.555	0.489
18-19	0.47	0.72	0.48	0.73	0.09	-0.25	-0.16	0.514	0.480	0.440	0.396
19-20	0.46	0.70	0.47	0.70	0.14	-0.24	-0.10	0.120	0.118	0.112	0.105
20-21	0.47	0.70	0.47	0.69	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0
21-22	0.47	0.69	0.47	0.68	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0
22-23	0.46	0.69	0.47	0.68	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0
23-24	0.47	0.68	0.46	0.68	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0
TOTAL	11.24	16.97	11.25	17.03	3.78	-5.73	-1.95				

OCT. 14		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL(SURFACE)				REFLECTED(SURFACE)				GLOBAL(30M)		REFLECTED(30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4- 5	0.04	0.03	0.03	9.99	0.04	0.02	0.02	0.01	0.04	0.02	0.04	0.01	
5- 6	0.24	0.18	0.17	9.99	0.22	0.16	0.11	0.10	0.23	0.12	0.20	0.09	
6- 7	0.68	0.52	0.45	9.99	0.58	0.43	0.32	0.26	0.68	0.37	0.52	0.25	
7- 8	1.04	0.78	0.65	9.99	0.87	0.63	0.46	0.37	1.07	0.56	0.78	0.36	
8- 9	1.36	1.03	0.83	9.99	1.13	0.80	0.59	0.47	1.40	0.74	1.02	0.46	
9-10	1.61	1.23	0.98	9.99	1.34	0.94	0.69	0.54	1.65	0.85	1.24	0.55	
10-11	1.81	1.36	1.08	9.99	1.47	1.02	0.75	0.58	1.82	0.94	1.38	0.61	
11-12	1.95	1.46	1.14	9.99	1.54	1.06	0.78	0.61	1.92	1.01	1.48	0.65	
12-13	1.91	1.42	1.12	9.99	1.50	1.03	0.77	0.59	1.89	0.98	1.46	0.65	
13-14	1.79	1.34	1.06	9.99	1.41	0.97	0.72	0.57	1.77	0.92	1.39	0.62	
14-15	1.55	1.17	0.93	9.99	1.23	0.86	0.64	0.50	1.55	0.81	1.24	0.56	
15-16	1.24	0.94	0.74	9.99	0.98	0.68	0.51	0.41	1.24	0.65	1.01	0.47	
16-17	0.88	0.66	0.53	9.99	0.69	0.49	0.38	0.30	0.90	0.47	0.73	0.36	
17-18	0.47	0.33	0.28	9.99	0.37	0.26	0.20	0.16	0.48	0.25	0.41	0.21	
18-19	0.20	0.13	0.12	9.99	0.15	0.11	0.08	0.07	0.22	0.10	0.18	0.09	
19-20	0.02	0.01	0.01	9.99	0.02	0.01	0.01	0.01	0.04	0.01	0.03	0.01	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	16.79	12.60	10.12	99.99	13.56	9.47	7.01	5.56	16.90	8.80	13.10	5.95	

OCT. 14		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL					
0- 1	0.47	0.68	0.46	0.67	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
1- 2	0.47	0.67	0.47	0.66	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
2- 3	0.47	0.67	0.47	0.66	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
3- 4	0.45	0.67	0.46	0.66	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0	
4- 5	0.44	0.66	0.45	0.65	0.0	-0.22	-0.22	0.105	0.101	0.095	0.088	
5- 6	0.46	0.67	0.46	0.67	0.02	-0.20	-0.18	0.392	0.358	0.320	0.285	
6- 7	0.47	0.69	0.46	0.70	0.10	-0.21	-0.11	0.780	0.679	0.587	0.515	
7- 8	0.47	0.71	0.46	0.71	0.17	-0.24	-0.07	0.867	0.731	0.621	0.540	
8- 9	0.46	0.72	0.47	0.72	0.23	-0.26	-0.03	0.943	0.781	0.657	0.568	
9-10	0.47	0.74	0.47	0.74	0.27	-0.27	-0.00	0.979	0.802	0.672	0.580	
10-11	0.47	0.76	0.47	0.76	0.34	-0.29	0.05	0.986	0.800	0.670	0.579	
11-12	0.46	0.77	0.46	0.78	0.41	-0.31	0.10	1.009	0.816	0.683	0.589	
12-13	0.46	0.78	0.46	0.79	0.41	-0.32	0.10	1.002	0.810	0.678	0.585	
13-14	0.45	0.79	0.46	0.80	0.38	-0.33	0.04	0.996	0.809	0.677	0.585	
14-15	0.45	0.79	0.46	0.80	0.32	-0.34	-0.02	0.966	0.791	0.663	0.574	
15-16	0.46	0.77	0.46	0.79	0.26	-0.31	-0.05	0.860	0.717	0.604	0.524	
16-17	0.46	0.75	0.46	0.78	0.19	-0.30	-0.11	0.795	0.675	0.576	0.502	
17-18	0.46	0.73	0.46	0.74	0.09	-0.27	-0.18	0.557	0.490	0.426	0.375	
18-19	0.46	0.71	0.47	0.72	0.04	-0.26	-0.21	0.367	0.344	0.315	0.283	
19-20	0.46	0.70	0.46	0.71	0.0	-0.24	-0.24	0.077	0.074	0.071	0.065	
20-21	0.46	0.69	0.47	0.70	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
21-22	0.46	0.69	0.47	0.70	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0	
22-23	0.46	0.69	0.48	0.69	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	
23-24	0.47	0.68	0.47	0.69	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	
TOTAL	11.10	17.17	11.15	17.28	3.23	-6.07	-2.84					



OCT. 15		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.0	0.0	0.0	9.99	0.00	0.0	0.0	0.0	0.01	0.0	0.00	0.0	
4- 5	0.07	0.06	0.06	9.99	0.07	0.05	0.03	0.03	0.07	0.05	0.07	0.03	
5- 6	0.35	0.28	0.26	9.99	0.31	0.24	0.17	0.15	0.32	0.20	0.28	0.14	
6- 7	0.71	0.54	0.47	9.99	0.60	0.45	0.33	0.27	0.72	0.39	0.54	0.26	
7- 8	1.08	0.82	0.67	9.99	0.89	0.65	0.47	0.39	1.10	0.58	0.80	0.37	
8- 9	1.39	1.07	0.86	9.99	1.16	0.83	0.61	0.48	1.43	0.77	1.05	0.47	
9-10	1.66	1.27	1.01	9.99	1.37	0.97	0.71	0.56	1.70	0.88	1.26	0.57	
10-11	1.87	1.41	1.12	9.99	1.50	1.05	0.77	0.61	1.87	0.98	1.42	0.63	
11-12	1.98	1.48	1.18	9.99	1.56	1.08	0.80	0.61	1.95	1.03	1.50	0.67	
12-13	1.96	1.47	1.16	9.99	1.53	1.06	0.79	0.61	1.93	1.02	1.49	0.67	
13-14	1.82	1.37	1.09	9.99	1.43	0.99	0.74	0.58	1.80	0.95	1.41	0.64	
14-15	1.59	1.21	0.96	9.99	1.26	0.88	0.65	0.52	1.59	0.84	1.26	0.58	
15-16	1.31	1.00	0.79	9.99	1.02	0.72	0.54	0.43	1.31	0.70	1.05	0.50	
16-17	0.96	0.73	0.59	9.99	0.75	0.54	0.41	0.33	0.98	0.53	0.79	0.39	
17-18	0.61	0.43	0.37	9.99	0.46	0.33	0.26	0.21	0.63	0.34	0.51	0.27	
18-19	0.30	0.19	0.17	9.99	0.20	0.15	0.11	0.10	0.32	0.14	0.24	0.13	
19-20	0.08	0.02	0.02	9.99	0.03	0.02	0.01	0.01	0.07	0.0	0.05	0.02	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	17.75	13.34	10.78	99.99	14.15	10.00	7.40	5.66	17.80	9.40	13.72	6.35	

OCT. 15		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL					
0- 1	0.46	0.68	0.47	0.67	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0	
1- 2	0.45	0.68	0.46	0.67	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
2- 3	0.47	0.68	0.46	0.66	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	
3- 4	0.46	0.67	0.45	0.66	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	
4- 5	0.45	0.66	0.44	0.67	0.00	-0.21	-0.21	9.990	9.990	9.990	9.990	
5- 6	0.44	0.66	0.43	0.66	0.04	-0.21	-0.17	9.990	9.990	9.990	9.990	
6- 7	0.43	0.66	0.43	0.67	0.11	-0.24	-0.13	0.721	0.624	0.541	0.475	
7- 8	0.43	0.68	0.43	0.68	0.19	-0.25	-0.07	0.820	0.688	0.586	0.511	
8- 9	0.43	0.69	0.43	0.69	0.23	-0.27	-0.03	0.911	0.754	0.635	0.551	
9-10	0.42	0.71	0.42	0.70	0.29	-0.29	0.00	0.967	0.793	0.665	0.576	
10-11	0.42	0.72	0.42	0.71	0.37	-0.30	0.07	0.999	0.815	0.680	0.589	
11-12	0.41	0.73	0.42	0.72	0.42	-0.32	0.10	1.014	0.824	0.688	0.595	
12-13	0.42	0.74	0.42	0.73	0.43	-0.32	0.11	1.023	0.831	0.694	0.601	
13-14	0.41	0.75	0.42	0.74	0.39	-0.34	0.05	1.019	0.832	0.697	0.604	
14-15	0.41	0.75	0.41	0.74	0.33	-0.34	-0.01	0.964	0.789	0.665	0.586	
15-16	0.41	0.74	0.41	0.73	0.29	-0.33	-0.04	0.939	0.778	0.662	0.575	
16-17	0.40	0.72	0.40	0.72	0.21	-0.32	-0.11	0.873	0.760	0.647	0.571	
17-18	0.39	0.71	0.39	0.70	0.15	-0.31	-0.16	0.799	0.701	0.614	0.543	
18-19	0.38	0.68	0.38	0.68	0.10	-0.30	-0.20	0.606	0.563	0.513	0.463	
19-20	0.38	0.66	0.38	0.66	0.05	-0.28	-0.23	0.189	0.184	0.175	0.162	
20-21	0.38	0.64	0.38	0.64	0.0	-0.27	-0.27	0.0	0.0	0.0	0.0	
21-22	0.38	0.63	0.38	0.63	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0	
22-23	0.37	0.62	0.37	0.63	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0	
23-24	0.37	0.62	0.37	0.62	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0	
TOTAL	9.96	16.47	9.99	16.38	3.60	-6.50	-2.90					

SHORTWAVE RADIATION (MJ/M**2)												
OCT. 16												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.10	0.08	0.06	9.99	0.08	0.05	0.04	0.03	0.09	0.06	0.08	0.04
5-6	0.40	0.31	0.26	9.99	0.32	0.25	0.18	0.16	0.37	0.22	0.30	0.15
6-7	0.75	0.57	0.49	9.99	0.52	0.47	0.34	0.29	0.75	0.41	0.56	0.27
7-8	1.13	0.85	0.70	9.99	0.92	0.68	0.49	0.40	1.14	0.61	0.82	0.38
8-9	1.43	1.10	0.89	9.99	1.18	0.85	0.62	0.49	1.47	0.79	1.07	0.49
9-10	1.69	1.30	1.04	9.99	1.39	0.99	0.72	0.57	1.72	0.91	1.29	0.58
10-11	1.89	1.44	1.14	9.99	1.53	1.08	0.78	0.62	1.90	1.00	1.44	0.64
11-12	2.00	1.51	1.19	9.99	1.57	1.11	0.81	0.64	1.97	1.04	1.52	0.68
12-13	1.99	1.49	1.18	9.99	1.55	1.08	0.80	0.62	1.96	1.03	1.51	0.68
13-14	1.86	1.39	1.10	9.99	1.45	1.01	0.75	0.59	1.83	0.96	1.43	0.64
14-15	1.61	1.23	0.97	9.99	1.27	0.89	0.66	0.53	1.61	0.85	1.27	0.58
15-16	1.31	1.01	0.80	9.99	1.04	0.73	0.55	0.44	1.32	0.71	1.06	0.50
16-17	0.98	0.74	0.60	9.99	0.77	0.55	0.42	0.34	1.00	0.53	0.81	0.40
17-18	0.63	0.45	0.38	9.99	0.48	0.35	0.27	0.22	0.64	0.34	0.52	0.27
18-19	0.32	0.20	0.18	9.99	0.21	0.15	0.12	0.10	0.33	0.15	0.25	0.14
19-20	0.11	0.04	0.02	9.99	0.03	0.02	0.01	0.01	0.08	0.0	0.05	0.03
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	18.19	13.71	11.05	99.99	14.42	10.25	7.57	6.04	18.20	9.61	13.98	6.47

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
OCT. 16												
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.39	0.61	0.38	0.62	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0	
1-2	0.38	0.60	0.38	0.61	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
2-3	0.37	0.60	0.38	0.60	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
3-4	0.37	0.59	0.37	0.60	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
4-5	0.37	0.59	0.37	0.60	0.02	-0.23	-0.21	0.318	0.308	0.292	0.271	
5-6	0.37	0.60	0.37	0.60	0.07	-0.23	-0.16	0.652	0.588	0.533	0.477	
6-7	0.38	0.61	0.37	0.61	0.13	-0.23	-0.10	0.815	0.701	0.614	0.541	
7-8	0.38	0.63	0.38	0.62	0.21	-0.25	-0.04	0.919	0.772	0.662	0.579	
8-9	0.39	0.65	0.40	0.64	0.25	-0.26	-0.01	0.971	0.799	0.679	0.591	
9-10	0.40	0.66	0.39	0.66	0.29	-0.26	0.03	1.002	0.817	0.690	0.597	
10-11	0.40	0.68	0.41	0.69	0.37	-0.28	0.09	1.020	0.827	0.696	0.604	
11-12	0.40	0.69	0.42	0.71	0.43	-0.29	0.14	1.029	0.830	0.700	0.606	
12-13	0.41	0.70	0.40	0.71	0.44	-0.29	0.15	1.027	0.831	0.696	0.605	
13-14	0.41	0.70	0.41	0.72	0.40	-0.29	0.11	1.011	0.826	0.696	0.598	
14-15	0.40	0.71	0.42	0.70	0.34	-0.31	0.03	0.994	0.813	0.685	0.593	
15-16	0.40	0.71	0.42	0.70	0.28	-0.31	-0.03	0.958	0.791	0.672	0.583	
16-17	0.40	0.70	0.43	0.69	0.21	-0.30	-0.09	0.902	0.762	0.653	0.571	
17-18	0.40	0.68	0.42	0.68	0.15	-0.28	-0.13	0.801	0.700	0.611	0.539	
18-19	0.41	0.66	0.41	0.67	0.11	-0.25	-0.14	0.620	0.573	0.521	0.468	
19-20	0.39	0.63	0.40	0.64	0.07	-0.24	-0.16	0.213	0.208	0.197	0.184	
20-21	0.40	0.63	0.39	0.62	0.0	-0.24	-0.24	0.0	0.0	0.0	0.0	
21-22	0.39	0.62	0.40	0.62	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
22-23	0.38	0.61	0.39	0.62	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
23-24	0.38	0.60	0.38	0.61	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0	
TOTAL	9.36	15.48	9.51	15.55	3.78	-6.12	-2.34					

OCT. 17													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL(SURFACE)				REFLECTED(SURFACE)				GLOBAL(30M)		REFLECTED(30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1- 2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2- 3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3- 4	0.0	0.0	0.0	9.99	0.00	0.0	0.0	0.0	0.01	0.0	0.00	0.0	
4- 5	0.14	0.11	0.10	9.99	0.10	0.07	0.05	0.04	0.11	0.08	0.10	0.05	
5- 6	0.43	0.33	0.30	9.99	0.35	0.28	0.20	0.17	0.39	0.23	0.32	0.16	
6- 7	0.82	0.62	0.53	9.99	0.67	0.51	0.37	0.31	0.82	0.44	0.60	0.29	
7- 8	1.11	0.84	0.69	9.99	0.91	0.67	0.48	0.39	1.13	0.60	0.82	0.37	
8- 9	1.45	1.12	0.90	9.99	1.21	0.87	0.63	0.50	1.50	0.80	1.09	0.49	
9-10	1.72	1.32	1.05	9.99	1.42	1.01	0.73	0.58	1.75	0.92	1.31	0.58	
10-11	1.92	1.46	1.16	9.99	1.55	1.09	0.79	0.63	1.92	1.01	1.46	0.64	
11-12	2.03	1.53	1.21	9.99	1.59	1.11	0.82	0.64	2.00	1.06	1.53	0.68	
12-13	2.02	1.51	1.20	9.99	1.58	1.09	0.81	0.63	1.98	1.04	1.53	0.68	
13-14	1.89	1.41	1.12	9.99	1.48	1.02	0.76	0.59	1.86	0.97	1.45	0.65	
14-15	1.65	1.25	0.99	9.99	1.30	0.91	0.67	0.53	1.64	0.86	1.30	0.59	
15-16	1.35	1.03	0.82	9.99	1.06	0.75	0.56	0.45	1.36	0.72	1.09	0.51	
16-17	1.01	0.76	0.62	9.99	0.79	0.57	0.43	0.34	1.03	0.55	0.83	0.40	
17-18	0.66	0.47	0.40	9.99	0.50	0.36	0.28	0.22	0.68	0.36	0.55	0.28	
18-19	0.32	0.21	0.19	9.99	0.23	0.17	0.13	0.11	0.35	0.16	0.27	0.15	
19-20	0.06	0.03	0.02	9.99	0.04	0.03	0.02	0.02	0.08	0.01	0.06	0.03	
20-21	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	18.55	14.00	11.28	99.99	14.79	10.50	7.73	6.16	18.61	9.81	14.30	6.56	

OCT. 17													
LONGWAVE RADIATION (MJ/M**2)													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.39	0.60	0.39	0.60	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	
1- 2	0.39	0.59	0.40	0.60	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	
2- 3	0.38	0.59	0.39	0.59	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	
3- 4	0.38	0.58	0.39	0.59	0.0	-0.20	-0.20	0.000	0.000	0.000	0.000	0.000	
4- 5	0.38	0.58	0.39	0.59	0.04	-0.20	-0.16	0.401	0.387	0.366	0.339	0.339	
5- 6	0.38	0.59	0.39	0.59	0.08	-0.20	-0.13	0.699	0.632	0.565	0.504	0.504	
6- 7	0.41	0.60	0.41	0.60	0.15	-0.19	-0.04	0.830	0.716	0.620	0.544	0.544	
7- 8	0.40	0.62	0.40	0.62	0.20	-0.22	-0.02	0.843	0.706	0.601	0.525	0.525	
8- 9	0.40	0.64	0.41	0.64	0.24	-0.24	0.00	0.965	0.795	0.673	0.583	0.583	
9-10	0.40	0.66	0.40	0.66	0.30	-0.26	0.03	1.001	0.816	0.686	0.596	0.596	
10-11	0.40	0.68	0.41	0.69	0.37	-0.28	0.09	1.020	0.827	0.694	0.598	0.598	
11-12	0.41	0.70	0.41	0.71	0.44	-0.29	0.14	1.028	0.832	0.695	0.600	0.600	
12-13	0.40	0.72	0.42	0.72	0.44	-0.32	0.13	1.027	0.832	0.696	0.600	0.600	
13-14	0.41	0.72	0.41	0.72	0.41	-0.32	0.09	1.018	0.826	0.693	0.601	0.601	
14-15	0.41	0.73	0.41	0.72	0.34	-0.32	0.03	0.999	0.817	0.687	0.595	0.595	
15-16	0.41	0.71	0.41	0.71	0.29	-0.29	-0.01	0.963	0.797	0.674	0.586	0.586	
16-17	0.41	0.70	0.41	0.70	0.22	-0.29	-0.07	0.906	0.766	0.654	0.571	0.571	
17-18	0.40	0.69	0.41	0.69	0.16	-0.29	-0.13	0.809	0.706	0.615	0.542	0.542	
18-19	0.39	0.67	0.40	0.68	0.09	-0.28	-0.19	0.639	0.588	0.532	0.478	0.478	
19-20	0.38	0.63	0.39	0.64	0.01	-0.25	-0.24	0.230	0.223	0.211	0.195	0.195	
20-21	0.39	0.63	0.39	0.62	0.0	-0.24	-0.24	0.0	0.0	0.0	0.0	0.0	
21-22	0.38	0.62	0.38	0.62	0.0	-0.25	-0.25	0.0	0.0	0.0	0.0	0.0	
22-23	0.38	0.61	0.39	0.62	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	0.0	
23-24	0.37	0.60	0.38	0.61	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	0.0	
TOTAL	9.48	15.48	9.57	15.56	3.77	-6.00	-2.23						

SHORTWAVE RADIATION (MJ/M**2)												
OCT. 18												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.02	0.01	0.0	9.99	0.01	0.0	0.0	0.0	0.02	0.00	0.01	0.0
4-5	0.20	0.15	0.13	9.99	0.12	0.09	0.06	0.05	0.14	0.11	0.11	0.06
5-6	0.45	0.35	0.31	9.99	0.38	0.29	0.21	0.18	0.42	0.24	0.34	0.17
6-7	0.82	0.62	0.53	9.99	0.67	0.51	0.37	0.31	0.82	0.44	0.60	0.29
7-8	1.19	0.90	0.74	9.99	0.97	0.71	0.52	0.42	1.21	0.65	0.87	0.40
8-9	1.49	1.15	0.92	9.99	1.23	0.89	0.64	0.51	1.54	0.81	1.12	0.50
9-10	1.75	1.34	1.07	9.99	1.45	1.03	0.74	0.59	1.79	0.94	1.33	0.60
10-11	1.96	1.49	1.18	9.99	1.58	1.11	0.81	0.63	1.96	1.03	1.48	0.66
11-12	2.07	1.56	1.24	9.99	1.62	1.13	0.82	0.64	2.03	1.08	1.56	0.69
12-13	2.05	1.53	1.22	9.99	1.60	1.11	0.82	0.64	2.02	1.06	1.55	0.69
13-14	1.92	1.44	1.14	9.99	1.50	1.04	0.77	0.60	1.89	0.99	1.47	0.67
14-15	1.68	1.27	1.01	9.99	1.32	0.93	0.69	0.54	1.67	0.88	1.32	0.60
15-16	1.38	1.06	0.84	9.99	1.08	0.76	0.52	0.45	1.39	0.73	1.11	0.52
16-17	1.03	0.78	0.63	0.58	0.81	0.58	0.44	0.35	1.05	0.53	0.85	0.41
17-18	0.68	0.48	0.41	0.39	0.52	0.38	0.29	0.23	0.70	0.37	0.56	0.29
18-19	0.35	0.23	0.20	0.20	0.24	0.18	0.14	0.12	0.37	0.18	0.28	0.15
19-20	0.08	0.04	0.03	0.05	0.05	0.03	0.02	0.02	0.10	0.02	0.07	0.04
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	19.11	14.39	11.61	99.99	15.15	10.77	7.86	6.29	19.10	10.08	14.63	6.72

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (Kw/M**2)												
OCT. 18												
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.37	0.59	0.37	0.60	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
1-2	0.36	0.59	0.37	0.59	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
2-3	0.36	0.58	0.36	0.59	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
3-4	0.37	0.58	0.37	0.59	0.02	-0.21	-0.20	0.005	0.006	0.006	0.006	
4-5	0.38	0.58	0.39	0.59	0.08	-0.20	-0.12	0.459	0.440	0.413	0.380	
5-6	0.35	0.59	0.39	0.59	0.08	-0.21	-0.13	0.723	0.650	0.578	0.515	
6-7	0.39	0.60	0.39	0.60	0.14	-0.21	-0.07	0.861	0.741	0.640	0.562	
7-8	0.38	0.62	0.38	0.62	0.22	-0.24	-0.02	0.937	0.784	0.668	0.583	
8-9	0.38	0.64	0.39	0.63	0.25	-0.26	-0.01	0.986	0.812	0.686	0.595	
9-10	0.40	0.66	0.39	0.65	0.31	-0.27	0.04	1.017	0.828	0.696	0.604	
10-11	0.39	0.68	0.40	0.68	0.38	-0.29	0.09	1.035	0.837	0.701	0.605	
11-12	0.40	0.69	0.39	0.71	0.45	-0.30	0.15	1.041	0.840	0.702	0.606	
12-13	0.39	0.70	0.40	0.71	0.45	-0.32	0.14	1.041	0.839	0.703	0.607	
13-14	0.39	0.71	0.41	0.70	0.42	-0.32	0.10	1.032	0.836	0.701	0.607	
14-15	0.40	0.72	0.40	0.70	0.35	-0.32	0.04	1.012	0.824	0.693	0.600	
15-16	0.40	0.70	0.40	0.70	0.29	-0.30	-0.00	0.977	0.807	0.682	0.592	
16-17	0.40	0.69	0.40	0.69	0.22	-0.29	-0.07	0.921	0.776	0.662	0.577	
17-18	0.39	0.68	0.39	0.68	0.16	-0.29	-0.13	0.828	0.719	0.625	0.549	
18-19	0.39	0.66	0.40	0.66	0.10	-0.27	-0.16	0.666	0.610	0.549	0.491	
19-20	0.39	0.63	0.39	0.62	0.03	-0.25	-0.22	0.273	0.264	0.249	0.230	
20-21	0.39	0.62	0.39	0.61	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
21-22	0.38	0.61	0.39	0.62	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
22-23	0.37	0.60	0.38	0.61	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
23-24	0.38	0.59	0.37	0.60	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	
TOTAL	9.21	15.33	9.32	15.37	3.96	-6.11	-2.15					

OCT. 19		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.00	0.00	0.00	0.00	0.01	0.0	0.0	0.0	0.01	0.01	0.01	0.00	
4-5	0.17	0.13	0.13	0.13	0.13	0.10	0.08	0.06	0.14	0.09	0.13	0.07	
5-6	0.47	0.36	0.33	0.29	0.39	0.31	0.22	0.19	0.44	0.25	0.36	0.18	
6-7	0.85	0.64	0.54	0.48	0.69	0.52	0.36	0.31	0.84	0.45	0.62	0.29	
7-8	1.21	0.92	0.75	0.66	0.98	0.73	0.52	0.43	1.23	0.66	0.88	0.40	
8-9	1.50	1.16	0.94	0.82	1.25	0.90	0.65	0.52	1.56	0.82	1.14	0.51	
9-10	1.78	1.36	1.09	0.96	1.46	1.04	0.76	0.60	1.81	0.95	1.35	0.60	
10-11	1.98	1.50	1.20	1.06	1.59	1.12	0.81	0.64	1.98	1.05	1.50	0.66	
11-12	2.09	1.58	1.25	1.10	1.65	1.16	0.85	0.67	2.06	1.09	1.57	0.70	
12-13	2.08	1.56	1.24	1.09	1.62	1.12	0.83	0.64	2.04	1.08	1.57	0.70	
13-14	1.94	1.46	1.16	1.02	1.52	1.06	0.78	0.61	1.91	1.00	1.49	0.67	
14-15	1.70	1.30	1.02	0.91	1.34	0.94	0.70	0.55	1.69	0.89	1.33	0.60	
15-16	1.40	1.08	0.85	0.76	1.10	0.77	0.58	0.46	1.40	0.75	1.12	0.52	
16-17	1.06	0.81	0.65	0.60	0.83	0.59	0.45	0.36	1.08	0.58	0.86	0.42	
17-18	0.70	0.51	0.43	0.41	0.54	0.39	0.30	0.24	0.72	0.39	0.58	0.30	
18-19	0.36	0.24	0.22	0.21	0.26	0.19	0.15	0.13	0.39	0.19	0.30	0.16	
19-20	0.12	0.06	0.05	0.07	0.06	0.04	0.02	0.02	0.12	0.04	0.08	0.04	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	0.00	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	19.43	14.64	11.84	10.58	15.43	10.99	8.07	6.44	19.44	10.29	14.90	6.83	

OCT. 19		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE						
0-1	0.38	0.58	0.38	0.59	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
1-2	0.38	0.58	0.39	0.59	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
2-3	0.37	0.57	0.39	0.59	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
3-4	0.37	0.57	0.38	0.58	0.0	-0.20	-0.20	0.032	0.033	0.032	0.031	
4-5	0.39	0.57	0.38	0.58	0.04	-0.18	-0.14	0.507	0.484	0.452	0.414	
5-6	0.39	0.57	0.38	0.58	0.08	-0.18	-0.10	0.739	0.662	0.586	0.522	
6-7	0.39	0.58	0.37	0.59	0.15	-0.19	-0.03	0.866	0.742	0.640	0.562	
7-8	0.37	0.60	0.38	0.60	0.22	-0.23	-0.00	0.941	0.786	0.669	0.582	
8-9	0.39	0.62	0.39	0.62	0.25	-0.24	0.02	0.988	0.811	0.686	0.595	
9-10	0.38	0.64	0.40	0.64	0.31	-0.26	0.06	1.018	0.828	0.696	0.603	
10-11	0.39	0.66	0.39	0.67	0.39	-0.27	0.12	1.036	0.838	0.702	0.607	
11-12	0.39	0.68	0.40	0.69	0.45	-0.29	0.15	1.045	0.844	0.708	0.612	
12-13	0.40	0.69	0.39	0.71	0.46	-0.30	0.16	1.045	0.844	0.707	0.611	
13-14	0.38	0.70	0.41	0.72	0.42	-0.32	0.11	1.036	0.838	0.702	0.606	
14-15	0.39	0.71	0.39	0.72	0.36	-0.32	0.05	1.017	0.828	0.697	0.603	
15-16	0.40	0.69	0.39	0.71	0.30	-0.29	0.01	0.984	0.811	0.685	0.595	
16-17	0.39	0.67	0.39	0.68	0.23	-0.28	-0.05	0.929	0.781	0.666	0.581	
17-18	0.36	0.66	0.38	0.67	0.16	-0.26	-0.12	0.838	0.727	0.630	0.554	
18-19	0.38	0.64	0.39	0.65	0.10	-0.26	-0.15	0.681	0.622	0.557	0.498	
19-20	0.37	0.61	0.38	0.61	0.06	-0.25	-0.18	0.316	0.305	0.288	0.265	
20-21	0.37	0.60	0.37	0.59	0.0	-0.23	-0.23	0.003	0.003	0.003	0.002	
21-22	0.36	0.59	0.37	0.59	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
22-23	0.35	0.58	0.36	0.59	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
23-24	0.34	0.57	0.35	0.58	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
TOTAL	9.11	14.92	9.20	15.13	3.99	-5.82	-1.62	0.0	0.0	0.0	0.0	

OCT. 20													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.0	0.02	0.01	0.01	0.00	
4-5	0.22	0.16	0.14	0.15	0.15	0.12	0.09	0.08	0.16	0.12	0.15	0.08	
5-6	0.51	0.39	0.35	0.32	0.41	0.33	0.24	0.20	0.48	0.28	0.38	0.19	
6-7	0.88	0.67	0.57	0.51	0.71	0.55	0.39	0.33	0.88	0.48	0.65	0.31	
7-8	1.25	0.95	0.78	0.70	1.01	0.75	0.54	0.44	1.27	0.70	0.92	0.42	
8-9	1.55	1.20	0.97	0.86	1.28	0.93	0.67	0.54	1.61	0.86	1.17	0.53	
9-10	1.82	1.40	1.12	0.99	1.48	1.06	0.77	0.61	1.86	0.98	1.38	0.62	
10-11	1.98	1.50	1.20	1.07	1.60	1.13	0.82	0.65	2.00	1.06	1.53	0.68	
11-12	2.12	1.60	1.26	1.12	1.67	1.16	0.85	0.67	2.10	1.11	1.61	0.70	
12-13	2.11	1.58	1.26	1.11	1.65	1.14	0.84	0.66	2.08	1.10	1.60	0.71	
13-14	1.98	1.48	1.18	1.03	1.55	1.07	0.79	0.62	1.95	1.02	1.52	0.67	
14-15	1.76	1.34	1.06	0.91	1.39	0.97	0.72	0.57	1.75	0.92	1.38	0.63	
15-16	1.43	1.10	0.87	0.77	1.13	0.79	0.59	0.47	1.44	0.76	1.15	0.53	
16-17	1.09	0.83	0.67	0.61	0.86	0.61	0.46	0.37	1.11	0.59	0.89	0.42	
17-18	0.73	0.53	0.44	0.42	0.56	0.41	0.31	0.25	0.75	0.40	0.60	0.30	
18-19	0.39	0.26	0.23	0.22	0.28	0.21	0.16	0.14	0.42	0.21	0.32	0.17	
19-20	0.09	0.05	0.04	0.05	0.06	0.04	0.03	0.02	0.10	0.04	0.08	0.03	
20-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	19.91	15.05	12.16	10.84	15.80	11.26	8.27	6.62	19.97	10.65	15.34	7.01	

OCT. 20													
LONGWAVE RADIATION (MJ/M**2)					NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
HOUR	(SURFACE)		(30M)		SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
	DOWNWARD	UPWARD	DOWNWARD	UPWARD									
0-1	0.33	0.56	0.34	0.56	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0		
1-2	0.32	0.55	0.33	0.55	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0		
2-3	0.31	0.54	0.32	0.54	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0		
3-4	0.31	0.54	0.31	0.54	0.0	-0.22	-0.22	0.049	0.050	0.049	0.047		
4-5	0.31	0.53	0.31	0.53	0.06	-0.22	-0.16	0.534	0.509	0.474	0.435		
5-6	0.30	0.53	0.30	0.53	0.10	-0.23	-0.14	0.722	0.632	0.570	0.512		
6-7	0.31	0.55	0.31	0.55	0.17	-0.24	-0.07	0.842	0.682	0.618	0.549		
7-8	0.32	0.58	0.31	0.57	0.24	-0.26	-0.02	0.910	0.756	0.651	0.570		
8-9	0.33	0.61	0.33	0.61	0.27	-0.28	-0.01	0.958	0.790	0.668	0.582		
9-10	0.37	0.65	0.37	0.64	0.33	-0.27	0.06	0.946	0.769	0.646	0.562		
10-11	0.41	0.68	0.41	0.68	0.38	-0.27	0.11	0.839	0.679	0.566	0.489		
11-12	0.40	0.70	0.41	0.70	0.45	-0.30	0.15	0.981	0.791	0.661	0.571		
12-13	0.40	0.72	0.40	0.72	0.46	-0.32	0.14	1.031	0.833	0.695	0.602		
13-14	0.41	0.74	0.41	0.73	0.43	-0.33	0.10	1.033	0.836	0.698	0.604		
14-15	0.40	0.74	0.41	0.74	0.37	-0.33	0.04	1.020	0.829	0.695	0.601		
15-16	0.41	0.72	0.43	0.73	0.30	-0.31	-0.01	0.985	0.812	0.667	0.595		
16-17	0.40	0.70	0.43	0.72	0.23	-0.30	-0.07	0.929	0.781	0.656	0.588		
17-18	0.41	0.70	0.42	0.71	0.17	-0.29	-0.12	0.847	0.733	0.633	0.556		
18-19	0.41	0.67	0.41	0.68	0.11	-0.26	-0.15	0.701	0.636	0.567	0.505		
19-20	0.40	0.64	0.41	0.65	0.03	-0.24	-0.21	0.200	0.190	0.175	0.158		
20-21	0.41	0.63	0.41	0.64	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0		
21-22	0.42	0.63	0.43	0.63	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
22-23	0.43	0.63	0.43	0.62	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
23-24	0.48	0.63	0.49	0.63	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0		
TOTAL	9.04	15.15	9.13	15.22	4.11	-6.11	-2.00						

OCT. 21													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.00	0.00	0.0	0.0	0.01	0.0	0.0	0.0	0.01	0.0	0.0	0.01	0.0
4-5	0.09	0.06	0.04	0.04	0.08	0.05	0.03	0.02	0.10	0.04	0.08	0.04	0.02
5-6	0.42	0.32	0.27	0.24	0.36	0.27	0.19	0.16	0.42	0.22	0.34	0.15	0.15
6-7	0.88	0.66	0.55	0.49	0.73	0.55	0.39	0.33	0.88	0.47	0.66	0.30	0.30
7-8	1.25	0.95	0.77	0.67	1.03	0.76	0.54	0.44	1.28	0.68	0.93	0.42	0.42
8-9	1.56	1.19	0.96	0.84	1.30	0.93	0.67	0.54	1.63	0.84	1.19	0.53	0.53
9-10	1.83	1.39	1.11	0.98	1.52	1.07	0.77	0.61	1.87	0.97	1.40	0.62	0.62
10-11	2.04	1.54	1.22	1.07	1.64	1.15	0.84	0.66	2.04	1.07	1.55	0.68	0.68
11-12	2.14	1.61	1.27	1.12	1.70	1.18	0.85	0.67	2.12	1.11	1.62	0.71	0.71
12-13	2.13	1.59	1.26	1.11	1.67	1.15	0.84	0.67	2.10	1.10	1.62	0.71	0.71
13-14	2.00	1.50	1.18	1.04	1.57	1.08	0.80	0.63	1.97	1.03	1.54	0.69	0.69
14-15	1.76	1.33	1.05	0.93	1.39	0.97	0.72	0.57	1.75	0.92	1.38	0.62	0.62
15-16	1.47	1.12	0.88	0.79	1.15	0.80	0.60	0.48	1.47	0.77	1.17	0.54	0.54
16-17	1.13	0.85	0.68	0.62	0.88	0.63	0.47	0.38	1.13	0.60	0.91	0.44	0.44
17-18	0.75	0.55	0.46	0.43	0.58	0.42	0.32	0.26	0.78	0.41	0.63	0.31	0.31
18-19	0.41	0.27	0.24	0.23	0.30	0.22	0.17	0.14	0.44	0.22	0.34	0.18	0.18
19-20	0.13	0.07	0.07	0.08	0.08	0.06	0.04	0.04	0.14	0.06	0.11	0.06	0.06
20-21	0.01	0.0	0.0	0.0	0.00	0.00	0.0	0.0	0.01	0.0	0.01	0.00	0.00
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	19.99	14.99	12.01	10.69	16.00	11.27	8.26	6.59	20.13	10.50	15.50	6.96	6.96

OCT. 21													
LONGWAVE RADIATION (MJ/M**2)													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.59	0.62	0.59	0.62	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.67	0.63	0.67	0.63	0.0	0.04	0.04	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.69	0.64	0.69	0.64	0.0	0.05	0.05	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.69	0.64	0.70	0.65	0.0	0.05	0.05	0.0	0.0	0.0	0.0	0.0	0.0
4-5	0.65	0.65	0.66	0.67	0.01	-0.00	0.01	0.0	0.0	0.0	0.0	0.0	0.0
5-6	0.50	0.65	0.52	0.67	0.06	-0.15	-0.09	0.341	0.300	0.263	0.232	0.232	0.232
6-7	0.44	0.65	0.45	0.68	0.15	-0.21	-0.06	0.836	0.712	0.611	0.533	0.533	0.533
7-8	0.43	0.66	0.45	0.68	0.22	-0.23	-0.01	0.940	0.781	0.662	0.574	0.574	0.574
8-9	0.44	0.68	0.45	0.70	0.26	-0.24	0.01	0.988	0.808	0.680	0.588	0.588	0.588
9-10	0.43	0.70	0.44	0.71	0.32	-0.26	0.06	1.019	0.826	0.692	0.597	0.597	0.597
10-11	0.43	0.71	0.44	0.72	0.39	-0.29	0.10	1.037	0.836	0.696	0.600	0.600	0.600
11-12	0.43	0.73	0.45	0.73	0.45	-0.30	0.15	1.043	0.841	0.698	0.601	0.601	0.601
12-13	0.43	0.74	0.44	0.74	0.47	-0.31	0.15	1.045	0.842	0.703	0.605	0.605	0.605
13-14	0.43	0.75	0.44	0.74	0.43	-0.32	0.11	1.038	0.838	0.699	0.603	0.603	0.603
14-15	0.43	0.75	0.44	0.74	0.37	-0.31	0.06	1.021	0.831	0.696	0.602	0.602	0.602
15-16	0.41	0.73	0.43	0.74	0.32	-0.31	0.00	0.990	0.814	0.687	0.594	0.594	0.594
16-17	0.42	0.71	0.43	0.73	0.24	-0.29	-0.04	0.933	0.756	0.675	0.585	0.585	0.585
17-18	0.42	0.70	0.43	0.71	0.17	-0.28	-0.11	0.854	0.737	0.635	0.557	0.557	0.557
18-19	0.42	0.66	0.42	0.69	0.11	-0.24	-0.13	0.707	0.639	0.567	0.504	0.504	0.504
19-20	0.42	0.65	0.43	0.65	0.05	-0.22	-0.18	0.388	0.373	0.347	0.317	0.317	0.317
20-21	0.44	0.65	0.45	0.64	0.00	-0.21	-0.21	0.016	0.016	0.015	0.013	0.013	0.013
21-22	0.49	0.63	0.50	0.64	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.55	0.64	0.56	0.64	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.54	0.64	0.55	0.65	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	11.80	16.20	12.01	16.40	4.00	-4.40	-0.40						

OCT. 22												
SHORTWAVE RADIATION (MJ/M**2)												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.01	0.01	0.00	0.0	0.01	0.00	0.00	0.0	0.02	0.00	0.01	0.0
4-5	0.09	0.06	0.04	0.03	0.08	0.05	0.03	0.03	0.10	0.04	0.08	0.03
5-6	0.27	0.19	0.14	0.11	0.24	0.16	0.10	0.08	0.28	0.12	0.22	0.08
6-7	0.52	0.37	0.26	0.21	0.45	0.30	0.21	0.16	0.53	0.22	0.42	0.15
7-8	0.76	0.54	0.39	0.31	0.66	0.44	0.30	0.24	0.78	0.33	0.62	0.23
8-9	0.99	0.70	0.50	0.40	0.86	0.58	0.39	0.31	1.01	0.43	0.80	0.29
9-10	1.25	0.89	0.63	0.53	1.08	0.73	0.49	0.40	1.27	0.54	1.01	0.37
10-11	1.40	0.99	0.70	0.56	1.21	0.82	0.55	0.44	1.42	0.59	1.14	0.41
11-12	1.43	1.01	0.72	0.61	1.24	0.83	0.56	0.46	1.45	0.61	1.16	0.42
12-13	1.44	1.03	0.74	0.63	1.24	0.84	0.57	0.47	1.46	0.64	1.16	0.44
13-14	1.39	1.01	0.74	0.64	1.19	0.81	0.57	0.46	1.41	0.64	1.12	0.44
14-15	1.43	1.07	0.81	0.68	1.22	0.84	0.61	0.49	1.45	0.70	1.17	0.50
15-16	1.14	0.86	0.65	0.52	0.98	0.67	0.49	0.40	1.16	0.57	0.95	0.41
16-17	0.94	0.71	0.54	0.48	0.79	0.55	0.40	0.33	0.99	0.49	0.80	0.35
17-18	0.49	0.36	0.27	0.23	0.43	0.29	0.20	0.17	0.50	0.23	0.40	0.16
18-19	0.22	0.16	0.12	0.10	0.20	0.13	0.09	0.07	0.23	0.11	0.19	0.07
19-20	0.08	0.06	0.04	0.03	0.07	0.05	0.03	0.02	0.09	0.04	0.07	0.02
20-21	0.02	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.01	0.0	0.00	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	13.86	10.02	7.29	5.97	11.94	8.09	5.62	4.55	14.15	6.32	11.34	4.39

OCT. 22												
LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.62	0.64	0.63	0.65	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0
1-2	0.70	0.66	0.70	0.66	0.0	0.04	0.04	0.0	0.0	0.0	0.0	0.0
2-3	0.68	0.67	0.69	0.67	0.0	0.02	0.02	0.0	0.0	0.0	0.0	0.0
3-4	0.73	0.68	0.73	0.68	0.0	0.05	0.05	0.001	0.001	0.001	0.001	0.001
4-5	0.74	0.69	0.75	0.69	0.01	0.05	0.06	0.0	0.0	0.0	0.0	0.0
5-6	0.73	0.70	0.73	0.70	0.04	0.03	0.07	0.0	0.0	0.0	0.0	0.0
6-7	0.75	0.71	0.75	0.72	0.07	0.03	0.10	0.0	0.0	0.0	0.0	0.0
7-8	0.74	0.73	0.75	0.73	0.10	0.01	0.11	0.000	0.000	0.0	0.0	0.0
8-9	0.74	0.74	0.75	0.74	0.13	0.00	0.13	0.003	0.002	0.001	0.001	0.001
9-10	0.74	0.76	0.74	0.76	0.17	-0.02	0.15	0.004	0.003	0.002	0.001	0.001
10-11	0.75	0.78	0.75	0.78	0.18	-0.03	0.15	0.000	0.0	0.0	0.0	0.0
11-12	0.76	0.80	0.76	0.79	0.19	-0.04	0.15	0.002	0.000	0.000	0.0	0.0
12-13	0.77	0.81	0.76	0.81	0.20	-0.05	0.15	0.011	0.008	0.005	0.003	0.003
13-14	0.74	0.82	0.73	0.82	0.20	-0.08	0.12	0.052	0.041	0.034	0.028	0.028
14-15	0.65	0.82	0.65	0.82	0.21	-0.16	0.05	0.258	0.205	0.169	0.145	0.145
15-16	0.61	0.80	0.61	0.81	0.16	-0.18	-0.02	0.274	0.223	0.185	0.158	0.158
16-17	0.63	0.78	0.63	0.80	0.15	-0.15	-0.00	0.214	0.178	0.150	0.120	0.120
17-18	0.74	0.79	0.74	0.79	0.07	-0.05	0.02	0.0	0.0	0.0	0.0	0.0
18-19	0.69	0.77	0.70	0.78	0.03	-0.08	-0.05	0.001	0.001	0.000	0.000	0.000
19-20	0.69	0.76	0.69	0.76	0.01	-0.06	-0.06	0.000	0.000	0.000	0.0	0.0
20-21	0.75	0.75	0.76	0.76	0.02	0.00	0.02	0.0	0.0	0.0	0.0	0.0
21-22	0.73	0.75	0.73	0.75	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	0.0
22-23	0.68	0.74	0.69	0.75	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0
23-24	0.69	0.73	0.69	0.74	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0
TOTAL	17.06	17.87	17.10	17.97	1.92	-0.81	1.12					



OCT. 23													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.02	0.01	0.01	0.00	0.02	0.01	0.01	0.00	0.03	0.01	0.02	0.00	
4-5	0.16	0.12	0.09	0.08	0.15	0.10	0.07	0.06	0.17	0.08	0.13	0.05	
5-6	0.45	0.35	0.27	0.23	0.39	0.28	0.20	0.17	0.47	0.24	0.37	0.16	
6-7	0.62	0.46	0.35	0.31	0.54	0.38	0.27	0.23	0.64	0.31	0.50	0.21	
7-8	1.14	0.87	0.68	0.59	0.97	0.70	0.50	0.42	1.16	0.58	0.90	0.39	
8-9	1.48	1.13	0.88	0.77	1.25	0.90	0.65	0.53	1.53	0.76	1.18	0.51	
9-10	1.90	1.44	1.12	0.99	1.60	1.14	0.83	0.67	1.92	0.98	1.51	0.67	
10-11	1.83	1.37	1.05	0.93	1.52	1.06	0.77	0.61	1.84	0.91	1.44	0.62	
11-12	1.86	1.39	1.03	0.90	1.55	1.08	0.76	0.62	1.88	0.89	1.47	0.60	
12-13	1.46	1.06	0.77	0.66	1.24	0.85	0.59	0.48	1.48	0.67	1.17	0.45	
13-14	1.57	1.15	0.85	0.73	1.35	0.93	0.65	0.53	1.59	0.73	1.27	0.51	
14-15	1.61	1.22	0.93	0.82	1.38	0.96	0.70	0.57	1.62	0.80	1.32	0.57	
15-16	1.15	0.87	0.66	0.58	0.99	0.69	0.50	0.40	1.17	0.58	0.95	0.41	
16-17	0.79	0.58	0.45	0.39	0.68	0.47	0.34	0.28	0.80	0.39	0.65	0.28	
17-18	0.47	0.35	0.27	0.23	0.41	0.28	0.20	0.17	0.47	0.23	0.40	0.17	
18-19	0.28	0.21	0.16	0.13	0.25	0.17	0.12	0.10	0.29	0.14	0.24	0.09	
19-20	0.06	0.04	0.02	0.01	0.06	0.03	0.02	0.01	0.07	0.02	0.05	0.01	
20-21	0.00	0.00	0.0	0.0	0.01	0.00	0.0	0.0	0.01	0.0	0.01	0.0	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	16.87	12.61	9.60	8.35	14.34	10.04	7.18	5.86	17.13	8.30	13.56	5.69	

OCT. 23													
LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.71	0.73	0.72	0.75	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	
1-2	0.60	0.71	0.60	0.72	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	
2-3	0.55	0.68	0.55	0.69	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
3-4	0.59	0.67	0.59	0.69	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	
4-5	0.63	0.67	0.63	0.68	0.01	-0.04	-0.03	0.0	0.0	0.0	0.0	0.0	
5-6	0.62	0.69	0.62	0.70	0.06	-0.07	-0.01	0.058	0.050	0.043	0.036	0.036	
6-7	0.61	0.70	0.61	0.71	0.08	-0.09	-0.01	0.101	0.085	0.073	0.064	0.064	
7-8	0.58	0.71	0.58	0.72	0.17	-0.13	0.04	0.250	0.201	0.167	0.140	0.140	
8-9	0.56	0.72	0.56	0.73	0.23	-0.16	0.07	0.432	0.352	0.288	0.249	0.249	
9-10	0.54	0.73	0.54	0.74	0.31	-0.19	0.12	0.667	0.536	0.446	0.382	0.382	
10-11	0.59	0.74	0.59	0.75	0.31	-0.15	0.16	0.363	0.282	0.233	0.194	0.194	
11-12	0.69	0.77	0.69	0.77	0.31	-0.08	0.23	0.028	0.019	0.014	0.011	0.011	
12-13	0.71	0.76	0.70	0.77	0.22	-0.06	0.16	0.006	0.004	0.003	0.002	0.002	
13-14	0.71	0.78	0.71	0.78	0.22	-0.07	0.15	0.051	0.040	0.033	0.028	0.028	
14-15	0.60	0.78	0.60	0.79	0.24	-0.18	0.06	0.354	0.286	0.236	0.203	0.203	
15-16	0.60	0.77	0.60	0.78	0.16	-0.17	-0.01	0.200	0.160	0.131	0.109	0.109	
16-17	0.56	0.75	0.56	0.76	0.11	-0.19	-0.08	0.190	0.155	0.126	0.109	0.109	
17-18	0.55	0.72	0.55	0.73	0.06	-0.17	-0.11	0.053	0.045	0.036	0.029	0.029	
18-19	0.68	0.73	0.68	0.74	0.03	-0.04	-0.01	0.001	0.001	0.000	0.000	0.000	
19-20	0.66	0.73	0.67	0.74	0.00	-0.06	-0.06	0.0	0.0	0.0	0.0	0.0	
20-21	0.56	0.70	0.56	0.71	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
21-22	0.53	0.68	0.53	0.69	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
22-23	0.57	0.69	0.57	0.70	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	
23-24	0.54	0.69	0.55	0.69	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
TOTAL	14.53	17.29	14.57	17.52	2.54	-2.76	-0.23						

SHORTWAVE RADIATION (MJ/M**2)												
OCT. 24	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HOUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.02	0.01	0.00	0.0	0.02	0.01	0.00	0.00	0.03	0.00	0.02	0.00
4-5	0.19	0.14	0.12	0.08	0.15	0.10	0.07	0.06	0.20	0.10	0.15	0.06
5-6	0.43	0.32	0.26	0.19	0.35	0.25	0.18	0.15	0.44	0.22	0.33	0.14
6-7	0.78	0.57	0.44	0.36	0.59	0.43	0.31	0.26	0.79	0.37	0.57	0.25
7-8	1.46	1.05	0.82	0.69	1.11	0.82	0.59	0.49	1.48	0.72	1.04	0.47
8-9	1.40	1.00	0.76	0.65	1.13	0.80	0.57	0.47	1.41	0.67	1.05	0.45
9-10	1.65	1.19	0.91	0.78	1.37	0.96	0.69	0.55	1.65	0.80	1.27	0.53
10-11	1.78	1.30	0.93	0.80	1.50	1.04	0.74	0.60	1.78	0.85	1.40	0.57
11-12	2.04	1.51	1.16	0.99	1.70	1.19	0.85	0.69	2.03	1.01	1.60	0.68
12-13	1.77	1.31	0.98	0.84	1.49	1.03	0.73	0.59	1.78	0.85	1.41	0.57
13-14	1.68	1.25	0.93	0.79	1.42	0.98	0.62	0.50	1.70	0.80	1.34	0.54
14-15	1.21	0.87	0.63	0.53	1.03	0.70	0.16	0.13	1.22	0.54	0.97	0.37
15-16	1.10	0.81	0.60	0.51	0.93	0.64	0.45	0.36	1.10	0.52	0.88	0.35
16-17	0.87	0.64	0.49	0.42	0.73	0.50	0.36	0.29	0.87	0.42	0.70	0.29
17-18	0.60	0.45	0.35	0.31	0.51	0.36	0.26	0.21	0.61	0.31	0.50	0.22
18-19	0.25	0.18	0.14	0.11	0.22	0.14	0.10	0.08	0.26	0.12	0.21	0.08
19-20	0.07	0.04	0.02	0.02	0.06	0.04	0.02	0.02	0.07	0.02	0.06	0.02
20-21	0.00	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.01	0.0	0.01	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	17.31	12.66	9.55	8.06	14.32	9.99	6.70	5.47	17.44	8.33	13.51	5.59

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
OCT. 24	(SURFACE)		(30M)		(SURFACE)			(BLANK)				
HOUR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.46	0.68	0.47	0.68	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	
1-2	0.42	0.66	0.43	0.65	0.0	-0.24	-0.24	0.0	0.0	0.0	0.0	
2-3	0.47	0.66	0.47	0.67	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	
3-4	0.52	0.67	0.51	0.67	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
4-5	0.50	0.67	0.49	0.67	0.04	-0.17	-0.13	0.090	0.076	0.069	0.060	
5-6	0.60	0.67	0.60	0.67	0.08	-0.07	0.01	0.062	0.053	0.044	0.038	
6-7	0.56	0.69	0.55	0.69	0.18	-0.13	0.05	0.264	0.220	0.186	0.162	
7-8	0.54	0.71	0.53	0.71	0.35	-0.17	0.18	0.601	0.490	0.409	0.355	
8-9	0.61	0.73	0.60	0.73	0.27	-0.12	0.15	0.302	0.243	0.201	0.172	
9-10	0.63	0.74	0.63	0.75	0.28	-0.11	0.17	0.299	0.239	0.195	0.168	
10-11	0.67	0.77	0.66	0.77	0.29	-0.10	0.19	0.208	0.166	0.137	0.118	
11-12	0.61	0.79	0.61	0.79	0.35	-0.18	0.17	0.409	0.324	0.266	0.227	
12-13	0.67	0.79	0.67	0.80	0.28	-0.12	0.16	0.174	0.134	0.108	0.090	
13-14	0.69	0.80	0.69	0.81	0.26	-0.11	0.16	0.128	0.102	0.084	0.072	
14-15	0.74	0.80	0.74	0.80	0.18	-0.06	0.12	0.018	0.013	0.010	0.008	
15-16	0.70	0.80	0.70	0.80	0.17	-0.10	0.07	0.058	0.045	0.037	0.031	
16-17	0.64	0.80	0.64	0.80	0.14	-0.16	-0.02	0.078	0.064	0.053	0.047	
17-18	0.57	0.77	0.57	0.78	0.10	-0.21	-0.11	0.188	0.159	0.135	0.116	
18-19	0.57	0.74	0.57	0.75	0.03	-0.17	-0.14	0.005	0.004	0.003	0.002	
19-20	0.55	0.72	0.55	0.73	0.00	-0.17	-0.17	0.0	0.0	0.0	0.0	
20-21	0.58	0.71	0.58	0.72	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
21-22	0.58	0.71	0.58	0.71	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
22-23	0.54	0.70	0.55	0.71	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	
23-24	0.50	0.69	0.51	0.70	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	
TOTAL	13.91	17.45	13.88	17.57	2.99	-3.54	-0.55					

OCT. 25													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3-4	0.02	0.02	0.01	0.00	0.03	0.02	0.01	0.00	0.04	0.01	0.03	0.00	
4-5	0.22*	0.17	0.14	0.11	0.18	0.13	0.09	0.08	0.21	0.11	0.17	0.08	
5-6	0.53*	0.40	0.32	0.26	0.42	0.31	0.23	0.19	0.51	0.27	0.40	0.18	
6-7	0.92*	0.65	0.52	0.44	0.71	0.52	0.37	0.32	0.86	0.44	0.66	0.30	
7-8	1.53*	1.07	0.86	0.75	1.16	0.85	0.62	0.51	1.46	0.76	1.07	0.49	
8-9	1.81*	1.28	1.02	0.87	1.38	0.98	0.73	0.58	1.76	0.90	1.30	0.59	
9-10	1.96*	1.47	1.16	1.00	1.58	1.10	0.83	0.65	1.98	1.02	1.51	0.67	
10-11	2.15	1.60	1.27	1.08	1.70	1.18	0.88	0.69	2.15	1.11	1.66	0.73	
11-12	2.24	1.68	1.32	1.14	1.77	1.21	0.92	0.70	2.23	1.16	1.74	0.76	
12-13	2.23	1.66	1.31	1.14	1.74	1.18	0.90	0.68	2.20	1.14	1.73	0.76	
13-14	2.10	1.57	1.23	1.06	1.66	1.12	0.87	0.65	2.08	1.07	1.65	0.73	
14-15	1.85	1.40	1.10	0.95	1.49	1.01	0.78	0.59	1.84	0.95	1.49	0.67	
15-16	1.54	1.18	0.92	0.80	1.24	0.85	0.66	0.50	1.54	0.80	1.27	0.58	
16-17	1.10	0.83	0.65	0.57	0.89	0.61	0.47	0.37	1.11	0.57	0.92	0.43	
17-18	0.84	0.62	0.51	0.46	0.68	0.49	0.37	0.30	0.86	0.45	0.70	0.34	
18-19	0.39	0.27	0.23	0.22	0.33	0.24	0.17	0.15	0.41	0.21	0.35	0.17	
19-20	0.18	0.10	0.10	0.10	0.14	0.11	0.07	0.07	0.19	0.08	0.17	0.09	
20-21	0.03	0.01	0.01	0.01	0.02	0.01	0.00	0.00	0.03	0.01	0.02	0.00	
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	21.64	15.96	12.67	10.94	17.13	11.91	9.00	7.03	21.45	11.06	16.86	7.56	

OCT. 25													
LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (Kw/M**2)													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.55	0.69	0.55	0.70	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
1-2	0.52	0.69	0.53	0.70	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
2-3	0.45	0.67	0.45	0.67	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0		
3-4	0.53	0.67	0.53	0.68	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
4-5	0.53	0.68	0.53	0.69	0.04	-0.15	-0.11	0.092	0.082	0.073	0.064		
5-6	0.55	0.69	0.54	0.70	0.11	-0.14	-0.03	0.172	0.147	0.127	0.111		
6-7	0.53	0.71	0.53	0.71	0.20	-0.18	0.03	0.364	0.304	0.259	0.222		
7-8	0.47	0.73	0.47	0.72	0.37	-0.26	0.11	0.867	0.713	0.601	0.519		
8-9	0.46	0.74	0.45	0.74	0.43	-0.29	0.14	0.912	0.740	0.618	0.533		
9-10	0.46	0.75	0.45	0.75	0.38	-0.30	0.09	0.947	0.761	0.637	0.548		
10-11	0.46	0.76	0.46	0.76	0.45	-0.30	0.15	0.957	0.768	0.643	0.552		
11-12	0.46	0.77	0.47	0.78	0.47	-0.31	0.16	1.008	0.806	0.672	0.578		
12-13	0.46	0.79	0.46	0.79	0.48	-0.33	0.16	1.034	0.829	0.689	0.594		
13-14	0.47	0.80	0.47	0.80	0.44	-0.32	0.12	1.005	0.808	0.671	0.578		
14-15	0.48	0.80	0.48	0.81	0.36	-0.32	0.04	0.941	0.759	0.631	0.544		
15-16	0.49	0.79	0.49	0.80	0.29	-0.30	-0.00	0.903	0.736	0.614	0.532		
16-17	0.50	0.77	0.50	0.79	0.21	-0.27	-0.06	0.718	0.608	0.511	0.460		
17-18	0.54	0.77	0.55	0.78	0.16	-0.23	-0.08	0.543	0.461	0.391	0.339		
18-19	0.50	0.73	0.50	0.76	0.07	-0.23	-0.17	0.434	0.387	0.339	0.299		
19-20	0.48	0.71	0.48	0.72	0.04	-0.23	-0.19	0.437	0.413	0.378	0.341		
20-21	0.48	0.69	0.48	0.71	0.01	-0.21	-0.20	0.068	0.067	0.064	0.059		
21-22	0.48	0.69	0.48	0.70	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0		
22-23	0.48	0.68	0.49	0.69	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
23-24	0.51	0.70	0.52	0.69	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0		
TOTAL	11.85	17.48	11.84	17.64	4.51	-5.63	-1.11						

SHORTWAVE RADIATION (MJ/M**2)												
OCT. 26												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3-4	0.03	0.02	0.01	0.00	0.03	0.01	0.01	0.01	0.04	0.01	0.03	0.00
4-5	0.19	0.14	0.11	0.09	0.17	0.12	0.08	0.07	0.19	0.09	0.16	0.06
5-6	0.54	0.41	0.34	0.30	0.46	0.35	0.25	0.21	0.55	0.29	0.43	0.20
6-7	0.94	0.71	0.56	0.49	0.78	0.58	0.41	0.34	0.94	0.49	0.73	0.31
7-8	1.09	0.82	0.63	0.55	0.92	0.65	0.46	0.39	1.13	0.57	0.86	0.36
8-9	1.62	1.22	0.96	0.84	1.35	0.96	0.70	0.56	1.64	0.83	1.24	0.53
9-10	1.99	1.49	1.18	1.04	1.64	1.15	0.86	0.68	2.01	1.03	1.53	0.67
10-11	2.16	1.61	1.27	1.12	1.76	1.22	0.91	0.71	2.15	1.11	1.67	0.72
11-12	2.28	1.70	1.33	1.16	1.85	1.28	0.95	0.75	2.25	1.15	1.77	0.76
12-13	2.23	1.66	1.31	1.14	1.80	1.22	0.92	0.72	2.21	1.13	1.74	0.75
13-14	1.96	1.47	1.15	1.01	1.60	1.08	0.81	0.64	1.96	1.00	1.55	0.67
14-15	1.57	1.18	0.90	0.79	1.30	0.87	0.65	0.51	1.59	0.79	1.25	0.52
15-16	1.15	0.85	0.64	0.55	0.96	0.65	0.47	0.37	1.17	0.56	0.90	0.35
16-17	0.79	0.58	0.42	0.36	0.67	0.45	0.32	0.26	0.80	0.37	0.62	0.23
17-18	0.47	0.33	0.24	0.21	0.41	0.27	0.19	0.15	0.48	0.21	0.38	0.14
18-19	0.27	0.19	0.14	0.12	0.23	0.16	0.11	0.09	0.27	0.12	0.22	0.08
19-20	0.09	0.06	0.04	0.03	0.09	0.05	0.03	0.03	0.10	0.04	0.08	0.02
20-21	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.02	0.00	0.01	0.00
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	19.37	14.47	11.24	9.79	16.04	11.08	8.12	6.49	19.49	9.78	15.17	6.40

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
OCT. 26												
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.62	0.71	0.62	0.71	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	
1-2	0.70	0.71	0.71	0.71	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	
2-3	0.71	0.71	0.71	0.71	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
3-4	0.59	0.70	0.60	0.70	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
4-5	0.56	0.70	0.56	0.70	0.02	-0.14	-0.12	0.056	0.051	0.045	0.039	
5-6	0.53	0.70	0.53	0.71	0.08	-0.17	-0.09	0.352	0.305	0.262	0.229	
6-7	0.63	0.71	0.63	0.72	0.15	-0.09	0.07	0.162	0.132	0.109	0.092	
7-8	0.62	0.72	0.61	0.73	0.17	-0.11	0.06	0.108	0.083	0.066	0.054	
8-9	0.55	0.74	0.55	0.75	0.27	-0.19	0.08	0.501	0.400	0.328	0.281	
9-10	0.47	0.76	0.48	0.77	0.35	-0.29	0.06	0.977	0.787	0.654	0.562	
10-11	0.48	0.77	0.48	0.78	0.40	-0.29	0.12	0.969	0.777	0.643	0.552	
11-12	0.55	0.79	0.55	0.80	0.43	-0.24	0.18	0.769	0.614	0.506	0.434	
12-13	0.51	0.81	0.51	0.82	0.43	-0.30	0.12	0.885	0.709	0.584	0.502	
13-14	0.55	0.82	0.55	0.83	0.36	-0.27	0.09	0.565	0.448	0.366	0.310	
14-15	0.67	0.83	0.66	0.84	0.27	-0.16	0.11	0.116	0.089	0.071	0.057	
15-16	0.73	0.82	0.72	0.83	0.19	-0.09	0.10	0.008	0.005	0.004	0.002	
16-17	0.76	0.81	0.75	0.81	0.12	-0.05	0.06	0.0	0.0	0.0	0.0	
17-18	0.76	0.80	0.75	0.80	0.06	-0.05	0.02	0.0	0.0	0.0	0.0	
18-19	0.73	0.79	0.73	0.78	0.03	-0.05	-0.02	0.0	0.0	0.0	0.0	
19-20	0.73	0.78	0.73	0.77	0.01	-0.05	-0.04	0.0	0.0	0.0	0.0	
20-21	0.74	0.77	0.74	0.76	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	
21-22	0.73	0.76	0.73	0.76	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	
22-23	0.75	0.75	0.75	0.75	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
23-24	0.72	0.75	0.73	0.75	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	
TOTAL	15.38	18.20	15.39	18.29	3.33	-2.82	0.51					

SHORTWAVE RADIATION (MJ/M**2)												
UCT. 27	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HOUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3- 4	0.28*	0.20	0.15	0.16	0.10	0.08	0.06	0.06	0.26	0.22	0.10	0.06
4- 5	0.51*	0.33	0.31	0.26	0.30	0.25	0.18	0.18	0.61	0.31	0.27	0.15
5- 6	0.90*	0.60	0.51	0.43	0.59	0.47	0.34	0.31	0.96	0.45	0.54	0.28
6- 7	1.32*	0.90	0.72	0.62	0.90	0.70	0.51	0.44	1.40	0.63	0.83	0.41
7- 8	1.70*	1.18	0.93	0.79	1.20	0.90	0.67	0.56	1.77	0.82	1.11	0.52
8- 9	1.95*	1.40	1.09	0.95	1.47	1.07	0.80	0.66	2.03	0.96	1.38	0.64
9-10	2.01*	1.52	1.21	1.07	1.69	1.20	0.90	0.73	2.26	1.08	1.60	0.73
10-11	2.22*	1.66	1.31	1.17	1.83	1.28	0.97	0.77	2.47	1.16	1.74	0.78
11-12	2.30*	1.72	1.37	1.21	1.87	1.30	0.99	0.78	2.56	1.21	1.80	0.81
12-13	2.28*	1.69	1.34	1.19	1.84	1.27	0.97	0.76	2.49	1.18	1.78	0.80
13-14	2.14*	1.58	1.26	1.12	1.74	1.20	0.92	0.71	2.35	1.11	1.70	0.77
14-15	1.83*	1.36	1.08	0.96	1.52	1.04	0.80	0.62	1.98	0.95	1.48	0.67
15-16	1.35*	1.03	0.81	0.71	1.14	0.79	0.60	0.47	1.48	0.70	1.12	0.50
16-17	1.00*	0.77	0.60	0.54	0.86	0.61	0.46	0.37	1.08	0.53	0.84	0.38
17-18	0.70*	0.53	0.42	0.38	0.60	0.43	0.32	0.26	0.73	0.37	0.59	0.27
18-19	0.35	0.26	0.20	0.18	0.30	0.21	0.16	0.13	0.36	0.18	0.29	0.13
19-20	0.12	0.08	0.06	0.05	0.11	0.07	0.05	0.04	0.12	0.06	0.10	0.03
20-21	0.07	0.04	0.01	0.01	0.03	0.02	0.01	0.01	0.04	0.01	0.03	0.01
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	23.03	16.88	13.38	11.81	18.09	12.86	9.70	7.86	24.95	11.91	17.30	7.93

LONGWAVE RADIATION (MJ/M**2)												
UCT. 27	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (Kw/M**2)				
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL					
0- 1	0.72	0.75	0.72	0.75	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	
1- 2	0.71	0.75	0.71	0.74	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
2- 3	0.68	0.73	0.69	0.74	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
3- 4	0.63	0.71	0.64	0.74	0.18	-0.09	0.10	0.268	0.199	0.185	0.161	
4- 5	0.47	0.67	0.50	0.72	0.21	-0.21	0.01	0.636	0.547	0.505	0.460	
5- 6	0.41	0.65	0.44	0.71	0.31	-0.24	0.07	0.824	0.718	0.624	0.549	
6- 7	0.40	0.67	0.40	0.71	0.42	-0.26	0.16	0.918	0.774	0.661	0.577	
7- 8	0.41	0.69	0.41	0.72	0.50	-0.28	0.22	0.975	0.806	0.681	0.591	
8- 9	0.41	0.69	0.41	0.73	0.48	-0.28	0.20	1.016	0.829	0.696	0.603	
9-10	0.42	0.73	0.42	0.75	0.32	-0.32	0.01	1.044	0.844	0.707	0.612	
10-11	0.42	0.75	0.41	0.76	0.39	-0.33	0.06	1.058	0.849	0.712	0.616	
11-12	0.42	0.76	0.42	0.77	0.44	-0.33	0.10	1.065	0.852	0.713	0.616	
12-13	0.43	0.77	0.42	0.79	0.44	-0.33	0.11	1.057	0.847	0.707	0.610	
13-14	0.42	0.77	0.44	0.79	0.40	-0.35	0.06	1.045	0.840	0.700	0.604	
14-15	0.44	0.75	0.46	0.78	0.32	-0.32	-0.00	0.928	0.748	0.625	0.539	
15-16	0.49	0.74	0.49	0.76	0.20	-0.26	-0.05	0.589	0.478	0.401	0.345	
16-17	0.52	0.74	0.53	0.76	0.14	-0.21	-0.08	9.990	9.990	9.990	9.990	
17-18	0.55	0.73	0.55	0.75	0.10	-0.19	-0.09	0.226	0.191	0.162	0.140	
18-19	0.56	0.73	0.57	0.73	0.04	-0.17	-0.13	0.077	0.066	0.057	0.050	
19-20	0.59	0.71	0.59	0.71	0.01	-0.12	-0.11	0.0	0.0	0.0	0.0	
20-21	0.55	0.70	0.55	0.70	0.04	-0.15	-0.11	0.0	0.0	0.0	0.0	
21-22	0.59	0.69	0.60	0.70	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
22-23	0.65	0.70	0.66	0.71	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	
23-24	0.63	0.70	0.64	0.71	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	
TOTAL	12.51	17.28	12.67	17.73	4.94	-4.77	0.17					

SHORTWAVE RADIATION (MJ/M**2)												
OCT. 28	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HRUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.01	0.0	0.00	0.0
3- 4	0.06	0.04	0.03	0.02	0.06	0.03	0.02	0.02	0.07	0.03	0.05	0.02
4- 5	0.19	0.14	0.10	0.08	0.17	0.12	0.08	0.07	0.20	0.09	0.16	0.06
5- 6	0.50	0.38	0.29	0.24	0.43	0.31	0.22	0.19	0.51	0.25	0.41	0.17
6- 7	0.77	0.57	0.43	0.37	0.67	0.47	0.34	0.28	0.78	0.38	0.62	0.26
7- 8	0.99	0.72	0.53	0.45	0.85	0.59	0.41	0.33	1.01	0.46	0.79	0.31
8- 9	1.42	1.05	0.80	0.69	1.21	0.84	0.61	0.49	1.45	0.70	1.13	0.47
9-10	1.79	1.34	1.03	0.90	1.50	1.06	0.77	0.62	1.82	0.90	1.42	0.60
10-11	1.70	1.24	0.92	0.79	1.45	1.00	0.71	0.57	1.73	0.80	1.36	0.54
11-12	1.79	1.31	0.97	0.83	1.54	1.05	0.75	0.60	1.81	0.84	1.44	0.57
12-13	2.05	1.52	1.17	1.02	1.73	1.18	0.87	0.69	2.06	1.02	1.63	0.69
13-14	2.05	1.53	1.17	1.03	1.73	1.19	0.89	0.70	2.05	1.02	1.65	0.71
14-15	1.73	1.29	1.00	0.88	1.47	1.00	0.76	0.59	1.73	0.87	1.40	0.61
15-16	1.73	1.33	1.02	0.90	1.47	1.02	0.78	0.61	1.75	0.89	1.41	0.62
16-17	1.32	1.02	0.80	0.72	1.13	0.79	0.62	0.48	1.34	0.70	1.11	0.53
17-18	0.68	0.52	0.40	0.35	0.59	0.41	0.30	0.24	0.69	0.35	0.57	0.25
18-19	0.34	0.25	0.19	0.16	0.30	0.20	0.15	0.12	0.35	0.17	0.28	0.12
19-20	0.12	0.08	0.06	0.05	0.11	0.07	0.05	0.04	0.13	0.05	0.10	0.03
20-21	0.01	0.00	0.0	0.0	0.02	0.00	0.0	0.0	0.03	0.0	0.02	0.0
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	19.25	14.33	10.90	9.49	16.42	11.32	8.31	6.63	19.51	9.55	15.55	6.56

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
OCT. 28	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
HRUR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0- 1	0.55	0.69	0.56	0.70	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
1- 2	0.59	0.69	0.59	0.70	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
2- 3	0.60	0.69	0.60	0.69	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
3- 4	0.61	0.69	0.62	0.70	0.00	-0.08	-0.07	0.0	0.0	0.0	0.0	
4- 5	0.69	0.70	0.70	0.72	0.02	-0.01	0.01	0.002	0.001	0.001	0.001	
5- 6	0.68	0.71	0.68	0.72	0.07	-0.03	0.03	0.051	0.042	0.036	0.031	
6- 7	0.67	0.72	0.67	0.73	0.10	-0.05	0.05	0.103	0.085	0.072	0.061	
7- 8	0.72	0.74	0.72	0.74	0.14	-0.01	0.13	0.016	0.012	0.009	0.007	
8- 9	0.69	0.75	0.69	0.76	0.21	-0.07	0.15	0.182	0.145	0.119	0.102	
9-10	0.62	0.77	0.61	0.78	0.28	-0.15	0.13	0.449	0.358	0.296	0.252	
10-11	0.71	0.78	0.71	0.79	0.24	-0.08	0.17	0.117	0.091	0.074	0.064	
11-12	0.71	0.80	0.71	0.81	0.26	-0.09	0.17	0.115	0.089	0.074	0.063	
12-13	0.60	0.81	0.60	0.82	0.32	-0.21	0.11	0.442	0.352	0.292	0.251	
13-14	0.60	0.82	0.60	0.83	0.32	-0.22	0.10	0.492	0.391	0.323	0.278	
14-15	0.56	0.82	0.56	0.83	0.26	-0.26	-0.00	0.517	0.409	0.338	0.290	
15-16	0.59	0.82	0.60	0.83	0.26	-0.23	0.03	0.545	0.449	0.378	0.330	
16-17	0.51	0.79	0.51	0.81	0.18	-0.29	-0.10	0.885	0.731	0.614	0.532	
17-18	0.62	0.79	0.62	0.80	0.10	-0.17	-0.07	0.094	0.074	0.057	0.049	
18-19	0.72	0.79	0.72	0.79	0.05	-0.07	-0.02	0.003	0.002	0.002	0.001	
19-20	0.67	0.77	0.67	0.77	0.01	-0.10	-0.08	0.0	0.0	0.0	0.0	
20-21	0.69	0.75	0.69	0.76	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
21-22	0.73	0.74	0.74	0.76	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
22-23	0.73	0.74	0.74	0.75	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
23-24	0.64	0.73	0.64	0.74	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	
TOTAL	15.50	18.10	15.59	18.32	2.83	-2.59	0.23					

OCT. 29												
SHORTWAVE RADIATION (MJ/M**2)												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.04	0.02	0.00	0.00	0.01	0.00	0.00	0.0	0.01	0.00	0.01	0.0
3-4	0.10	0.08	0.06	0.05	0.09	0.06	0.05	0.04	0.11	0.06	0.08	0.03
4-5	0.20	0.14	0.10	0.08	0.18	0.11	0.08	0.07	0.21	0.09	0.17	0.06
5-6	0.41	0.29	0.22	0.18	0.35	0.24	0.17	0.14	0.41	0.19	0.33	0.13
6-7	0.70	0.51	0.38	0.33	0.60	0.42	0.30	0.25	0.69	0.34	0.56	0.23
7-8	1.10	0.82	0.63	0.55	0.95	0.67	0.48	0.40	1.11	0.54	0.87	0.37
8-9	1.66	1.25	0.96	0.84	1.42	1.01	0.73	0.60	1.72	0.84	1.31	0.57
9-10	1.85	1.39	1.07	0.95	1.58	1.10	0.81	0.65	1.90	0.95	1.46	0.63
10-11	1.88	1.41	1.07	0.94	1.60	1.10	0.81	0.64	1.88	0.92	1.48	0.62
11-12	1.81	1.35	1.01	0.88	1.53	1.04	0.76	0.60	1.89	0.91	1.46	0.60
12-13	2.13	1.60	1.21	1.06	1.80	1.23	0.91	0.72	2.16	1.06	1.70	0.71
13-14	1.86	1.40	1.07	0.93	1.56	1.05	0.79	0.62	1.94	0.97	1.52	0.65
14-15	1.77	1.34	1.03	0.92	1.50	1.01	0.77	0.61	1.75	0.88	1.42	0.62
15-16	1.49	1.13	0.87	0.77	1.27	0.87	0.66	0.53	1.53	0.78	1.23	0.54
16-17	1.16	0.89	0.70	0.62	1.00	0.69	0.53	0.42	1.16	0.60	0.97	0.44
17-18	0.87	0.66	0.53	0.49	0.75	0.53	0.41	0.33	0.90	0.48	0.76	0.37
18-19	0.49	0.35	0.29	0.27	0.42	0.30	0.23	0.19	0.51	0.27	0.43	0.21
19-20	0.24	0.17	0.15	0.14	0.21	0.16	0.12	0.10	0.25	0.12	0.22	0.11
20-21	0.06	0.05	0.03	0.03	0.05	0.04	0.02	0.02	0.06	0.03	0.06	0.02
21-22	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.0	0.00	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	19.82	14.84	11.38	10.05	16.87	11.63	8.63	6.92	20.18	10.02	16.04	6.90

OCT. 29												
LONGWAVE RADIATION (MJ/M**2)												
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (Kw/M**2)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.68	0.72	0.69	0.73	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0	0.0
1-2	0.70	0.72	0.70	0.73	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0
2-3	0.68	0.72	0.68	0.72	0.03	-0.04	-0.00	0.0	0.0	0.0	0.0	0.0
3-4	0.70	0.71	0.70	0.71	0.01	-0.01	-0.00	0.0	0.0	0.0	0.0	0.0
4-5	0.71	0.72	0.71	0.72	0.02	-0.01	0.01	0.0	0.0	0.0	0.0	0.0
5-6	0.71	0.73	0.72	0.73	0.05	-0.01	0.04	0.0	0.0	0.0	0.0	0.0
6-7	0.70	0.74	0.69	0.76	0.09	-0.05	0.05	0.039	0.032	0.027	0.024	
7-8	0.61	0.76	0.61	0.77	0.15	-0.15	0.01	0.213	0.174	0.145	0.124	
8-9	0.61	0.78	0.61	0.79	0.24	-0.17	0.07	0.392	0.316	0.263	0.225	
9-10	0.59	0.80	0.58	0.81	0.27	-0.21	0.05	0.358	0.278	0.228	0.193	
10-11	0.63	0.82	0.62	0.83	0.28	-0.19	0.09	0.176	0.134	0.107	0.088	
11-12	0.67	0.84	0.67	0.84	0.29	-0.17	0.12	0.056	0.039	0.030	0.024	
12-13	0.62	0.87	0.62	0.86	0.33	-0.19	0.15	0.137	0.101	0.079	0.064	
13-14	0.62	0.85	0.62	0.87	0.30	-0.23	0.07	0.200	0.148	0.118	0.096	
14-15	0.58	0.83	0.58	0.86	0.27	-0.25	0.03	0.419	0.340	0.282	0.236	
15-16	0.56	0.81	0.56	0.84	0.22	-0.25	-0.03	0.390	0.313	0.254	0.214	
16-17	0.51	0.78	0.52	0.80	0.16	-0.26	-0.10	0.548	0.454	0.381	0.329	
17-18	0.47	0.75	0.49	0.78	0.12	-0.27	-0.15	0.747	0.631	0.536	0.465	
18-19	0.48	0.72	0.50	0.74	0.07	-0.23	-0.16	0.472	0.412	0.356	0.310	
19-20	0.49	0.70	0.51	0.72	0.03	-0.21	-0.18	0.318	0.295	0.264	0.234	
20-21	0.52	0.68	0.53	0.72	0.00	-0.17	-0.16	0.066	0.063	0.059	0.054	
21-22	0.69	0.72	0.68	0.74	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	
22-23	0.68	0.73	0.67	0.74	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
23-24	0.53	0.69	0.52	0.72	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0	
TOTAL	14.80	18.17	14.83	18.52	2.94	-3.37	-0.42					

SHORTWAVE RADIATION (MJ/M**2)												
OCT. 30	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.00	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.01	0.0	0.01	0.0
3-4	0.10	0.08	0.06	0.05	0.09	0.06	0.04	0.04	0.11	0.05	0.09	0.04
4-5	0.32	0.23	0.20	0.17	0.26	0.19	0.14	0.12	0.33	0.16	0.24	0.11
5-6	0.65	0.46	0.37	0.32	0.51	0.38	0.27	0.24	0.62	0.30	0.46	0.21
6-7	1.09	0.73	0.58	0.51	0.82	0.61	0.44	0.38	1.00	0.51	0.74	0.34
7-8	1.66	1.13	0.90	0.79	1.26	0.93	0.68	0.57	1.59	0.79	1.14	0.52
8-9	1.90	1.37	1.08	0.95	1.54	1.11	0.82	0.67	1.86	0.95	1.40	0.63
9-10	2.13	1.56	1.23	1.08	1.76	1.24	0.93	0.74	2.10	1.09	1.62	0.72
10-11	2.30	1.70	1.33	1.19	1.91	1.33	1.00	0.79	2.26	1.18	1.77	0.78
11-12	2.37	1.78	1.39	1.23	1.97	1.35	1.03	0.81	2.34	1.23	1.85	0.82
12-13	2.34	1.74	1.38	1.21	1.95	1.30	1.01	0.78	2.32	1.21	1.84	0.81
13-14	2.21	1.62	1.29	1.14	1.84	1.22	0.96	0.74	2.19	1.14	1.76	0.78
14-15	1.98	1.46	1.17	1.03	1.66	1.11	0.87	0.67	1.97	1.02	1.59	0.71
15-16	1.60	1.22	0.96	0.84	1.37	0.94	0.73	0.56	1.63	0.84	1.32	0.60
16-17	0.99	0.74	0.57	0.50	0.84	0.57	0.42	0.34	1.00	0.50	0.80	0.34
17-18	0.67	0.51	0.39	0.33	0.57	0.40	0.29	0.24	0.68	0.33	0.54	0.22
18-19	0.36	0.26	0.19	0.17	0.31	0.21	0.15	0.12	0.36	0.17	0.29	0.11
19-20	0.15	0.11	0.08	0.06	0.14	0.09	0.06	0.05	0.15	0.07	0.13	0.04
20-21	0.03	0.02	0.01	0.01	0.04	0.02	0.01	0.01	0.04	0.01	0.04	0.01
21-22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	22.85	16.71	13.19	11.57	18.85	13.07	9.67	7.85	22.54	11.55	17.64	7.78

LONGWAVE RADIATION (MJ/M**2)												
OCT. 30	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
HR	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL					
0-1	0.58	0.68	0.57	0.71	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
1-2	0.71	0.71	0.71	0.72	0.0	-0.00	-0.00	0.0	0.0	0.0	0.0	
2-3	0.66	0.72	0.65	0.72	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0	
3-4	0.52	0.68	0.50	0.69	0.01	-0.17	-0.15	0.044	0.036	0.035	0.031	
4-5	0.48	0.68	0.48	0.69	0.06	-0.20	-0.14	0.222	0.188	0.170	0.151	
5-6	0.47	0.67	0.47	0.67	0.14	-0.19	-0.05	0.417	0.359	0.308	0.268	
6-7	0.46	0.68	0.46	0.68	0.27	-0.22	0.05	0.602	0.499	0.425	0.373	
7-8	0.44	0.70	0.44	0.69	0.40	-0.26	0.13	0.939	0.774	0.652	0.563	
8-9	0.44	0.72	0.44	0.71	0.36	-0.28	0.08	1.007	0.816	0.682	0.589	
9-10	0.44	0.73	0.45	0.74	0.37	-0.29	0.08	1.034	0.831	0.693	0.597	
10-11	0.44	0.75	0.45	0.77	0.39	-0.31	0.09	1.052	0.842	0.698	0.602	
11-12	0.45	0.78	0.45	0.79	0.39	-0.33	0.07	1.061	0.846	0.700	0.604	
12-13	0.47	0.79	0.45	0.80	0.39	-0.32	0.07	1.064	0.848	0.704	0.606	
13-14	0.45	0.79	0.45	0.81	0.36	-0.34	0.02	1.057	0.847	0.704	0.605	
14-15	0.44	0.77	0.45	0.79	0.32	-0.33	-0.01	1.038	0.837	0.696	0.600	
15-16	0.46	0.76	0.47	0.78	0.23	-0.30	-0.07	0.872	0.706	0.587	0.504	
16-17	0.62	0.77	0.62	0.77	0.15	-0.15	-0.00	0.050	0.036	0.028	0.022	
17-18	0.66	0.76	0.66	0.78	0.10	-0.11	-0.01	9.990	9.990	9.990	9.990	
18-19	0.73	0.77	0.73	0.77	0.05	-0.05	0.00	9.990	9.990	9.990	9.990	
19-20	0.73	0.77	0.74	0.76	0.02	-0.03	-0.02	9.990	9.990	9.990	9.990	
20-21	0.74	0.76	0.75	0.76	0.0	-0.02	-0.02	9.990	9.990	9.990	9.990	
21-22	0.75	0.76	0.75	0.75	0.0	-0.00	-0.00	9.990	9.990	9.990	9.990	
22-23	0.75	0.75	0.75	0.75	0.0	-0.01	-0.01	9.990	9.990	9.990	9.990	
23-24	0.75	0.75	0.75	0.75	0.0	-0.00	-0.00	9.990	9.990	9.990	9.990	
TOTAL	13.66	17.72	13.65	17.86	4.01	-4.06	-0.05					



OCT. 31	SHORTWAVE RADIATION (MJ/M**2)												
	HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
		(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.01	0.00	0.0	0.0	0.01	0.00	0.0	0.0	0.02	0.0	0.01	0.0	0.0
3-4	0.09	0.07	0.05	0.04	0.08	0.06	0.04	0.04	0.10	0.04	0.08	0.03	0.03
4-5	0.26*	0.20	0.15	0.13	0.22	0.16	0.11	0.09	0.25	0.12	0.22	0.09	0.09
5-6	0.43*	0.32	0.24	0.20	0.37	0.26	0.19	0.16	0.40	0.19	0.37	0.15	0.15
6-7	0.90*	0.72	0.53	0.48	0.76	0.58	0.42	0.37	0.81	0.38	0.77	0.35	0.35
7-8	1.22*	0.99	0.86	0.82	1.16	0.88	0.64	0.55	1.13	0.51	1.11	0.51	0.51
8-9	1.68*	1.41	1.24	1.06	1.41	1.05	0.78	0.65	1.56	0.91	1.35	0.62	0.62
9-10	2.09*	1.67	1.29	1.12	1.59	1.18	0.89	0.71	2.10	1.31	1.54	0.71	0.71
10-11	2.30*	1.76	1.38	1.22	1.87	1.32	1.00	0.78	2.48	1.36	1.75	0.79	0.79
11-12	2.38*	1.81	1.43	1.25	1.93	1.33	1.02	0.78	2.40	1.32	1.81	0.81	0.81
12-13	2.36	1.80	1.42	1.24	1.91	1.30	1.00	0.77	2.39	1.24	1.81	0.81	0.81
13-14	2.22	1.70	1.34	1.17	1.81	1.23	0.96	0.73	2.25	1.17	1.73	0.78	0.78
14-15	1.99	1.53	1.21	1.06	1.64	1.11	0.87	0.66	2.01	1.06	1.58	0.71	0.71
15-16	1.68	1.31	1.03	0.93	1.41	0.97	0.76	0.58	1.69	0.90	1.36	0.62	0.62
16-17	1.33	1.04	0.82	0.75	1.14	0.79	0.62	0.46	1.34	0.73	1.11	0.53	0.53
17-18	0.98	0.74	0.61	0.56	0.85	0.61	0.49	0.38	1.01	0.84	0.85	0.41	0.41
18-19	0.63	0.43	0.38	0.36	0.52	0.39	0.30	0.25	0.66	0.36	0.53	0.27	0.27
19-20	0.29	0.19	0.17	0.17	0.25	0.20	0.15	0.13	0.30	0.11	0.27	0.14	0.14
20-21	0.17	0.04	0.06	0.09	0.07	0.05	0.03	0.04	0.11	0.06	0.08	0.04	0.04
21-22	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.01	0.0	0.00	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	22.99	17.72	14.19	12.63	19.01	13.47	10.27	8.17	23.03	12.60	18.33	8.37	8.37

OCT. 31	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (Kw/M**2)				
	HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		(BLANK)	(530)	(630)	(695)
		DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	TOTAL				
0-1	0.74	0.75	0.75	0.75	0.0	-0.00	-0.00	9.990	9.990	9.990	9.990	9.990
1-2	0.74	0.75	0.74	0.75	0.0	-0.00	-0.00	9.990	9.990	9.990	9.990	9.990
2-3	0.73	0.74	0.74	0.74	0.0	-0.01	-0.01	9.990	9.990	9.990	9.990	9.990
3-4	0.73	0.74	0.73	0.74	0.01	-0.01	0.01	9.990	9.990	9.990	9.990	9.990
4-5	0.73	0.74	0.73	0.74	0.04	-0.01	0.03	9.990	9.990	9.990	9.990	9.990
5-6	0.72	0.74	0.72	0.73	0.06	-0.02	0.04	9.990	9.990	9.990	9.990	9.990
6-7	0.66	0.74	0.68	0.73	0.13	-0.07	0.06	9.990	9.990	9.990	9.990	9.990
7-8	0.59	0.73	0.61	0.73	0.06	-0.14	-0.09	9.990	9.990	9.990	9.990	9.990
8-9	0.53	0.72	0.56	0.73	0.27	-0.19	0.08	9.990	9.990	9.990	9.990	9.990
9-10	0.47	0.72	0.53	0.73	0.51	-0.26	0.25	9.990	9.990	9.990	9.990	9.990
10-11	0.44	0.74	0.52	0.75	0.43	-0.30	0.13	9.990	9.990	9.990	9.990	9.990
11-12	0.44	0.75	0.46	0.76	0.44	-0.31	0.13	9.990	9.990	9.990	9.990	9.990
12-13	0.43	0.76	0.44	0.77	0.45	-0.33	0.11	9.990	9.990	9.990	9.990	9.990
13-14	0.43	0.77	0.45	0.77	0.41	-0.34	0.07	9.990	9.990	9.990	9.990	9.990
14-15	0.43	0.76	0.45	0.76	0.35	-0.33	0.02	9.990	9.990	9.990	9.990	9.990
15-16	0.43	0.75	0.45	0.75	0.27	-0.32	-0.05	9.990	9.990	9.990	9.990	9.990
16-17	0.43	0.74	0.44	0.74	0.19	-0.31	-0.12	9.990	9.990	9.990	9.990	9.990
17-18	0.41	1.66	0.47	0.72	0.14	-1.26	-1.12	0.926	0.779	0.663	0.580	0.580
18-19	0.40	0.68	0.42	0.70	0.11	-0.28	-0.17	0.821	0.778	0.619	0.547	0.547
19-20	0.41	0.66	0.42	0.69	0.03	-0.25	-0.22	0.640	0.586	0.526	0.472	0.472
20-21	0.40	0.64	0.42	0.66	0.10	-0.23	-0.14	0.378	0.365	0.346	0.321	0.321
21-22	0.39	0.61	0.41	0.64	0.0	-0.22	-0.22	0.007	0.006	0.006	0.005	0.005
22-23	0.39	0.60	0.39	0.62	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
23-24	0.38	0.60	0.39	0.61	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0	0.0
TOTAL	12.45	18.10	12.92	17.30	3.99	-5.65	-1.66					

SHORTWAVE RADIATION (MJ/M**2)													
NOV. 1	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	HOURL	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.02	0.02	0.02	0.01	0.01	0.00	0.0	0.0	0.0	0.04	0.02	0.02	0.01
3- 4	0.19	0.14	0.13	0.13	0.16	0.14	0.09	0.10	0.10	0.14	0.11	0.14	0.07
4- 5	0.46	0.34	0.31	0.28	0.41	0.35	0.23	0.23	0.23	0.42	0.24	0.37	0.19
5- 6	0.82	0.61	0.52	0.47	0.70	0.56	0.39	0.36	0.36	0.81	0.44	0.64	0.31
6- 7	1.21	0.91	0.74	0.66	1.01	0.78	0.56	0.48	0.48	1.21	0.65	0.92	0.43
7- 8	1.57	1.19	0.96	0.84	1.32	0.98	0.71	0.60	0.60	1.64	0.84	1.19	0.54
8- 9	1.89	1.43	1.15	1.01	1.60	1.16	0.85	0.69	0.69	1.93	1.01	1.45	0.66
9-10	2.21	1.65	1.32	1.16	1.84	1.31	0.98	0.78	0.78	2.21	1.16	1.70	0.76
10-11	2.34	1.75	1.38	1.22	1.91	1.34	1.01	0.79	0.79	2.32	1.21	1.81	0.80
11-12	2.44	1.84	1.45	1.28	2.00	1.39	1.06	0.82	0.82	2.41	1.27	1.90	0.84
12-13	2.44	1.83	1.45	1.27	2.00	1.37	1.06	0.81	0.81	2.40	1.27	1.91	0.84
13-14	2.27	1.69	1.35	1.18	1.87	1.28	0.99	0.75	0.75	2.24	1.17	1.79	0.81
14-15	2.02	1.52	1.20	1.04	1.67	1.14	0.89	0.68	0.68	2.00	1.04	1.61	0.73
15-16	1.69	1.29	1.01	0.90	1.43	0.98	0.76	0.58	0.58	1.68	0.88	1.38	0.63
16-17	1.33	1.01	0.79	0.71	1.12	0.78	0.60	0.47	0.47	1.33	0.69	1.10	0.51
17-18	0.76	0.57	0.44	0.39	0.65	0.45	0.34	0.27	0.27	0.77	0.39	0.63	0.29
18-19	0.46	0.34	0.26	0.23	0.39	0.28	0.20	0.16	0.16	0.46	0.23	0.38	0.16
19-20	0.24	0.19	0.15	0.13	0.22	0.16	0.12	0.10	0.10	0.25	0.13	0.21	0.10
20-21	0.07	0.06	0.04	0.03	0.07	0.05	0.03	0.03	0.03	0.08	0.04	0.07	0.02
21-22	0.01	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.01	0.0	0.00	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	24.44	18.37	14.68	12.95	20.39	14.51	10.87	8.69	8.69	24.33	12.78	19.23	8.70

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)																
NOV. 1	(SURFACE)				(30M)				(SURFACE)				(BLANK)			
	HOURL	DOWNWARD	UPWARD	DOWNWARD	UPWARD	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)
0- 1	0.38	0.60	0.40	0.60	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.38	0.59	0.38	0.59	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.38	0.58	0.39	0.58	0.01	-0.20	-0.19	0.085	0.084	0.082	0.078	0.085	0.084	0.082	0.078	0.078
3- 4	0.37	0.57	0.39	0.59	0.03	-0.20	-0.17	0.529	0.502	0.466	0.427	0.529	0.502	0.466	0.427	0.427
4- 5	0.37	0.58	0.38	0.58	0.05	-0.20	-0.16	0.740	0.663	0.587	0.523	0.740	0.663	0.587	0.523	0.523
5- 6	0.37	0.59	0.38	0.59	0.12	-0.21	-0.09	0.867	0.744	0.642	0.564	0.867	0.744	0.642	0.564	0.564
6- 7	0.38	0.60	0.39	0.61	0.20	-0.22	-0.02	0.946	0.789	0.671	0.587	0.946	0.789	0.671	0.587	0.587
7- 8	0.38	0.63	0.39	0.63	0.26	-0.25	0.01	1.000	0.820	0.691	0.601	1.000	0.820	0.691	0.601	0.601
8- 9	0.38	0.66	0.39	0.66	0.30	-0.28	0.02	1.035	0.839	0.703	0.611	1.035	0.839	0.703	0.611	0.611
9-10	0.40	0.68	0.40	0.70	0.37	-0.28	0.08	1.043	0.839	0.702	0.609	1.043	0.839	0.702	0.609	0.609
10-11	0.40	0.70	0.41	0.71	0.42	-0.30	0.12	0.979	0.786	0.653	0.565	0.979	0.786	0.653	0.565	0.565
11-12	0.40	0.72	0.41	0.73	0.44	-0.32	0.12	1.036	0.831	0.690	0.597	1.036	0.831	0.690	0.597	0.597
12-13	0.40	0.74	0.42	0.74	0.44	-0.33	0.11	1.068	0.856	0.711	0.616	1.068	0.856	0.711	0.616	0.616
13-14	0.42	0.75	0.44	0.75	0.40	-0.33	0.07	0.997	0.802	0.665	0.574	0.997	0.802	0.665	0.574	0.574
14-15	0.43	0.75	0.45	0.76	0.34	-0.32	0.02	0.925	0.747	0.621	0.537	0.925	0.747	0.621	0.537	0.537
15-16	0.44	0.73	0.46	0.76	0.27	-0.30	-0.03	0.889	0.725	0.603	0.522	0.889	0.725	0.603	0.522	0.522
16-17	0.45	0.73	0.47	0.75	0.21	-0.28	-0.08	0.772	0.637	0.532	0.461	0.772	0.637	0.532	0.461	0.461
17-18	0.52	0.72	0.52	0.73	0.11	-0.21	-0.10	0.302	0.252	0.210	0.181	0.302	0.252	0.210	0.181	0.181
18-19	0.58	0.71	0.59	0.71	0.06	-0.13	-0.07	0.077	0.067	0.056	0.049	0.077	0.067	0.056	0.049	0.049
19-20	0.57	0.70	0.58	0.70	0.03	-0.13	-0.10	0.095	0.085	0.074	0.065	0.095	0.085	0.074	0.065	0.065
20-21	0.60	0.69	0.60	0.69	0.01	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-22	0.59	0.68	0.59	0.68	0.00	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-23	0.59	0.67	0.59	0.68	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.52	0.67	0.53	0.67	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	10.71	16.03	10.93	16.17	4.05	-5.32	-1.27									

NOV. 2	SHORTWAVE RADIATION (MJ/M**2)												
	HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
		(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.04	0.01	0.01	0.0	0.02	0.01	0.01	0.00	0.03	0.01	0.02	0.00	0.00
3-4	0.10	0.08	0.06	0.03	0.11	0.07	0.05	0.05	0.11	0.05	0.10	0.04	0.04
4-5	0.41	0.31	0.26	0.22	0.37	0.29	0.21	0.19	0.39	0.21	0.33	0.16	0.16
5-6	0.82	0.61	0.51	0.44	0.72	0.55	0.39	0.34	0.82	0.43	0.64	0.30	0.30
6-7	1.15	0.86	0.69	0.60	0.98	0.73	0.52	0.44	1.15	0.60	0.89	0.40	0.40
7-8	1.52	1.15	0.91	0.78	1.28	0.93	0.68	0.55	1.58	0.79	1.17	0.52	0.52
8-9	1.88	1.41	1.12	0.97	1.58	1.13	0.83	0.66	1.91	0.98	1.46	0.64	0.64
9-10	2.06	1.53	1.20	1.05	1.70	1.19	0.88	0.69	2.07	1.05	1.60	0.70	0.70
10-11	2.25	1.68	1.31	1.14	1.85	1.28	0.95	0.74	2.24	1.13	1.76	0.76	0.76
11-12	2.24	1.67	1.28	1.11	1.84	1.27	0.94	0.73	2.24	1.11	1.77	0.75	0.75
12-13	2.24	1.67	1.29	1.11	1.85	1.27	0.94	0.74	2.24	1.11	1.78	0.75	0.75
13-14	2.13	1.59	1.22	1.05	1.77	1.21	0.90	0.70	2.12	1.05	1.70	0.73	0.73
14-15	2.04	1.53	1.19	1.03	1.68	1.15	0.87	0.67	2.03	1.03	1.64	0.72	0.72
15-16	1.65	1.25	0.97	0.84	1.37	0.94	0.71	0.56	1.65	0.84	1.35	0.60	0.60
16-17	1.23	0.93	0.73	0.64	1.04	0.72	0.54	0.43	1.23	0.63	1.02	0.47	0.47
17-18	0.91	0.69	0.55	0.49	0.77	0.55	0.41	0.34	0.94	0.49	0.78	0.36	0.36
18-19	0.43	0.31	0.26	0.22	0.38	0.27	0.20	0.17	0.45	0.23	0.39	0.17	0.17
19-20	0.18	0.12	0.10	0.08	0.16	0.11	0.08	0.07	0.17	0.08	0.16	0.07	0.07
20-21	0.05	0.04	0.02	0.01	0.06	0.03	0.02	0.02	0.06	0.02	0.06	0.02	0.02
21-22	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.01	0.0	0.00	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	23.35	17.43	13.68	11.82	19.53	13.71	10.13	8.08	23.44	11.85	18.64	8.17	8.17

NOV. 2	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)		
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL						
0-1	0.52	0.66	0.52	0.66	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
1-2	0.53	0.65	0.53	0.65	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	0.0	
2-3	0.52	0.65	0.52	0.65	0.02	-0.13	-0.11	0.0	0.0	0.0	0.0	0.0	
3-4	0.49	0.65	0.50	0.65	0.0	-0.15	-0.15	0.078	0.073	0.067	0.059	0.059	
4-5	0.48	0.65	0.48	0.65	0.03	-0.17	-0.14	0.492	0.441	0.384	0.338	0.338	
5-6	0.48	0.66	0.48	0.66	0.10	-0.18	-0.07	0.743	0.636	0.542	0.472	0.472	
6-7	0.50	0.67	0.50	0.67	0.17	-0.17	-0.00	0.721	0.601	0.505	0.437	0.437	
7-8	0.49	0.69	0.49	0.69	0.24	-0.20	0.04	0.806	0.659	0.549	0.474	0.474	
8-9	0.48	0.71	0.49	0.71	0.30	-0.23	0.07	0.888	0.719	0.597	0.514	0.514	
9-10	0.49	0.73	0.50	0.73	0.35	-0.24	0.11	0.777	0.623	0.514	0.442	0.442	
10-11	0.52	0.75	0.52	0.76	0.40	-0.23	0.17	0.683	0.544	0.449	0.385	0.385	
11-12	0.57	0.76	0.58	0.78	0.40	-0.19	0.21	0.457	0.362	0.298	0.255	0.255	
12-13	0.56	0.77	0.57	0.78	0.39	-0.21	0.18	0.466	0.370	0.304	0.261	0.261	
13-14	0.57	0.78	0.57	0.78	0.37	-0.21	0.15	0.430	0.341	0.282	0.242	0.242	
14-15	0.54	0.79	0.55	0.79	0.36	-0.25	0.12	0.636	0.511	0.423	0.362	0.362	
15-16	0.52	0.78	0.53	0.78	0.28	-0.26	0.02	0.668	0.541	0.449	0.386	0.386	
16-17	0.51	0.77	0.51	0.77	0.20	-0.26	-0.06	0.597	0.490	0.409	0.353	0.353	
17-18	0.50	0.76	0.51	0.76	0.15	-0.25	-0.11	0.571	0.480	0.405	0.351	0.351	
18-19	0.48	0.73	0.49	0.74	0.05	-0.24	-0.19	0.333	0.286	0.244	0.211	0.211	
19-20	0.48	0.71	0.49	0.72	0.01	-0.23	-0.21	0.087	0.079	0.069	0.060	0.060	
20-21	0.49	0.70	0.50	0.71	0.0	-0.21	-0.21	0.017	0.015	0.014	0.012	0.012	
21-22	0.54	0.70	0.55	0.70	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0	0.0	
22-23	0.56	0.69	0.55	0.69	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	0.0	
23-24	0.54	0.69	0.55	0.69	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	
TOTAL	12.36	17.08	12.47	17.18	3.83	-4.72	-0.89						

SHORTWAVE RADIATION (MJ/M**2)												
NOV. 3												
HOUR	GLOBAL (SURFACE)				REFLECTED(SURFACE)				GLOBAL (30M)		REFLECTED(30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1- 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2- 3	0.08	0.06	0.01	0.0	0.03	0.02	0.01	0.01	0.05	0.01	0.03	0.01
3- 4	0.13	0.10	0.08	0.04	0.12	0.08	0.06	0.05	0.14	0.07	0.11	0.05
4- 5	0.30	0.22	0.17	0.11	0.26	0.18	0.13	0.11	0.30	0.15	0.24	0.10
5- 6	0.66	0.50	0.39	0.32	0.58	0.42	0.30	0.26	0.67	0.34	0.53	0.23
6- 7	1.09	0.82	0.65	0.55	0.93	0.68	0.49	0.41	1.10	0.57	0.86	0.38
7- 8	1.47	1.11	0.88	0.74	1.24	0.90	0.65	0.53	1.52	0.76	1.15	0.50
8- 9	1.80	1.35	1.06	0.90	1.51	1.07	0.78	0.62	1.83	0.92	1.41	0.61
9-10	1.99	1.48	1.14	0.96	1.65	1.16	0.84	0.67	2.01	0.99	1.56	0.66
10-11	2.23	1.66	1.28	1.10	1.84	1.28	0.93	0.74	2.23	1.11	1.75	0.75
11-12	2.30	1.71	1.32	1.13	1.89	1.30	0.96	0.75	2.29	1.14	1.81	0.77
12-13	2.26	1.68	1.28	1.10	1.86	1.27	0.93	0.73	2.25	1.10	1.78	0.74
13-14	2.09	1.55	1.19	1.02	1.72	1.17	0.87	0.67	2.08	1.03	1.66	0.70
14-15	1.83	1.36	1.04	0.90	1.52	1.04	0.77	0.60	1.83	0.90	1.47	0.62
15-16	1.49	1.11	0.84	0.73	1.25	0.86	0.63	0.50	1.49	0.73	1.20	0.51
16-17	1.31	0.99	0.77	0.67	1.10	0.77	0.57	0.46	1.32	0.67	1.08	0.48
17-18	0.89	0.67	0.52	0.46	0.75	0.53	0.39	0.31	0.90	0.46	0.74	0.33
18-19	0.54	0.40	0.32	0.28	0.46	0.33	0.24	0.20	0.55	0.28	0.46	0.21
19-20	0.33	0.26	0.21	0.18	0.29	0.21	0.16	0.14	0.33	0.17	0.28	0.13
20-21	0.09	0.07	0.05	0.03	0.08	0.05	0.04	0.03	0.10	0.05	0.08	0.03
21-22	0.01	0.00	0.0	0.0	0.01	0.00	0.00	0.0	0.01	0.0	0.01	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	22.88	17.10	13.20	11.20	19.11	13.33	9.73	7.78	23.00	11.45	18.23	7.80

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
NOV. 3												
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0- 1	0.55	0.69	0.55	0.69	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	
1- 2	0.55	0.69	0.55	0.69	0.0	-0.13	-0.13	0.0	0.0	0.0	0.0	
2- 3	0.57	0.68	0.56	0.68	0.05	-0.12	-0.07	0.0	0.0	0.0	0.0	
3- 4	0.53	0.68	0.53	0.68	0.01	-0.15	-0.14	0.025	0.023	0.020	0.018	
4- 5	0.55	0.68	0.55	0.69	0.04	-0.13	-0.10	0.048	0.042	0.036	0.031	
5- 6	0.56	0.69	0.56	0.69	0.09	-0.13	-0.05	0.242	0.206	0.174	0.152	
6- 7	0.54	0.70	0.53	0.70	0.16	-0.17	-0.01	0.481	0.397	0.333	0.287	
7- 8	0.53	0.72	0.53	0.72	0.23	-0.18	0.05	0.538	0.438	0.363	0.314	
8- 9	0.53	0.73	0.53	0.73	0.29	-0.20	0.09	0.582	0.467	0.386	0.333	
9-10	0.58	0.75	0.58	0.76	0.33	-0.16	0.17	0.452	0.361	0.298	0.257	
10-11	0.58	0.76	0.58	0.77	0.38	-0.18	0.20	0.510	0.406	0.334	0.286	
11-12	0.58	0.77	0.58	0.78	0.40	-0.19	0.21	0.499	0.396	0.326	0.279	
12-13	0.61	0.79	0.61	0.80	0.40	-0.18	0.22	0.375	0.297	0.244	0.209	
13-14	0.57	0.79	0.58	0.80	0.36	-0.22	0.15	0.421	0.333	0.271	0.232	
14-15	0.61	0.79	0.61	0.80	0.30	-0.18	0.12	0.337	0.268	0.221	0.189	
15-16	0.61	0.79	0.62	0.79	0.24	-0.18	0.06	0.278	0.224	0.185	0.158	
16-17	0.55	0.78	0.57	0.79	0.21	-0.23	-0.02	0.493	0.404	0.337	0.290	
17-18	0.58	0.77	0.59	0.78	0.14	-0.20	-0.06	0.272	0.227	0.190	0.163	
18-19	0.55	0.76	0.55	0.76	0.08	-0.21	-0.13	0.197	0.170	0.144	0.125	
19-20	0.59	0.75	0.59	0.75	0.05	-0.16	-0.11	0.111	0.101	0.087	0.076	
20-21	0.55	0.73	0.55	0.73	0.01	-0.17	-0.17	0.000	0.0	0.0	0.0	
21-22	0.49	0.71	0.49	0.71	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0	
22-23	0.47	0.69	0.47	0.69	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0	
23-24	0.49	0.68	0.48	0.69	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	
TOTAL	13.32	17.58	13.32	17.65	3.77	-4.26	-0.49					

NOV. 4	SHORTWAVE RADIATION (MJ/M**2)												
	HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
		(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.02	0.01	0.00	0.0	0.02	0.01	0.00	0.0	0.02	0.0	0.03	0.0	0.0
3-4	0.19	0.13	0.11	0.07	0.15	0.11	0.07	0.06	0.14	0.08	0.15	0.06	0.06
4-5	0.59	0.43	0.37	0.29	0.47	0.37	0.26	0.23	0.51	0.29	0.43	0.21	0.21
5-6	0.77	0.55	0.44	0.37	0.63	0.47	0.33	0.29	0.73	0.38	0.58	0.26	0.26
6-7	1.21	0.87	0.70	0.59	0.99	0.73	0.52	0.44	1.18	0.62	0.91	0.41	0.41
7-8	1.65	1.22	0.97	0.81	1.35	0.98	0.71	0.58	1.70	0.86	1.24	0.55	0.55
8-9	1.96	1.45	1.15	0.96	1.60	1.15	0.84	0.67	1.97	1.02	1.50	0.66	0.66
9-10	2.21	1.64	1.29	1.06	1.80	1.27	0.94	0.74	2.23	1.15	1.71	0.75	0.75
10-11	2.38	1.78	1.39	1.13	1.93	1.34	1.00	0.79	2.39	1.23	1.87	0.82	0.82
11-12	2.36	1.76	1.37	1.10	1.92	1.32	0.98	0.77	2.36	1.20	1.86	0.80	0.80
12-13	2.32	1.73	1.33	1.08	1.89	1.29	0.95	0.75	2.32	1.17	1.83	0.78	0.78
13-14	2.27	1.70	1.33	1.07	1.85	1.26	0.95	0.74	2.28	1.17	1.83	0.80	0.80
14-15	2.06	1.55	1.21	0.99	1.70	1.17	0.88	0.69	2.07	1.06	1.68	0.74	0.74
15-16	1.77	1.34	1.04	0.86	1.48	1.03	0.77	0.60	1.79	0.91	1.46	0.64	0.64
16-17	1.31	0.99	0.76	0.62	1.10	0.77	0.57	0.45	1.33	0.67	1.09	0.48	0.48
17-18	0.97	0.73	0.58	0.47	0.82	0.58	0.43	0.35	0.99	0.52	0.83	0.38	0.38
18-19	0.63	0.46	0.38	0.30	0.54	0.39	0.29	0.25	0.66	0.35	0.56	0.27	0.27
19-20	0.35	0.26	0.21	0.16	0.30	0.23	0.17	0.15	0.34	0.17	0.32	0.16	0.16
20-21	0.10	0.07	0.05	0.01	0.09	0.06	0.04	0.03	0.10	0.05	0.09	0.03	0.03
21-22	0.01	0.00	0.0	0.0	0.01	0.00	0.0	0.0	0.01	0.0	0.01	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	25.13	18.67	14.68	11.94	20.63	14.54	10.70	8.59	25.12	12.88	19.98	8.83	8.83

NOV. 4	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)		
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL						
0-1	0.48	0.67	0.47	0.68	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0	
1-2	0.46	0.67	0.46	0.67	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0	
2-3	0.46	0.67	0.45	0.67	0.0	-0.21	-0.21	0.002	0.002	0.002	0.001	0.001	
3-4	0.45	0.67	0.44	0.67	0.04	-0.21	-0.17	0.218	0.204	0.182	0.164	0.164	
4-5	0.46	0.67	0.46	0.67	0.13	-0.21	-0.08	0.588	0.520	0.450	0.400	0.400	
5-6	0.45	0.68	0.45	0.68	0.14	-0.23	-0.09	0.555	0.471	0.401	0.345	0.345	
6-7	0.46	0.69	0.44	0.69	0.22	-0.23	-0.01	0.694	0.575	0.480	0.416	0.416	
7-8	0.46	0.71	0.44	0.70	0.31	-0.25	0.05	0.839	0.684	0.573	0.492	0.492	
8-9	0.46	0.73	0.45	0.73	0.36	-0.27	0.09	0.904	0.731	0.603	0.517	0.517	
9-10	0.47	0.74	0.46	0.76	0.40	-0.27	0.13	0.904	0.711	0.594	0.513	0.513	
10-11	0.50	0.76	0.48	0.78	0.45	-0.26	0.19	0.821	0.664	0.541	0.466	0.466	
11-12	0.53	0.77	0.51	0.79	0.44	-0.24	0.20	0.700	0.556	0.450	0.385	0.385	
12-13	0.55	0.78	0.54	0.79	0.43	-0.23	0.20	0.570	0.447	0.364	0.311	0.311	
13-14	0.53	0.79	0.52	0.80	0.42	-0.26	0.17	0.717	0.579	0.475	0.406	0.406	
14-15	0.55	0.79	0.54	0.80	0.36	-0.24	0.12	0.658	0.531	0.439	0.376	0.376	
15-16	0.59	0.79	0.58	0.79	0.29	-0.20	0.09	0.452	0.352	0.294	0.250	0.250	
16-17	0.61	0.78	0.60	0.78	0.21	-0.18	0.03	0.313	0.257	0.213	0.184	0.184	
17-18	0.55	0.77	0.54	0.77	0.15	-0.22	-0.07	0.431	0.350	0.298	0.259	0.259	
18-19	0.52	0.76	0.51	0.76	0.09	-0.24	-0.15	0.449	0.389	0.335	0.287	0.287	
19-20	0.53	0.75	0.53	0.75	0.05	-0.21	-0.17	0.262	0.236	0.204	0.180	0.180	
20-21	0.62	0.74	0.61	0.74	0.01	-0.12	-0.12	0.009	0.008	0.007	0.005	0.005	
21-22	0.52	0.73	0.51	0.73	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0	0.0	
22-23	0.58	0.72	0.57	0.72	0.0	-0.14	-0.14	0.0	0.0	0.0	0.0	0.0	
23-24	0.61	0.72	0.60	0.72	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	0.0	
TOTAL	12.41	17.57	12.13	17.63	4.51	-5.16	-0.65						

SHORTWAVE RADIATION (MJ/M**2)												
NOV. 5	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HOUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.01	0.00	0.0	0.0	0.02	0.00	0.0	0.0	0.02	0.0	0.02	0.0
3-4	0.10	0.06	0.04	0.02	0.09	0.05	0.04	0.02	0.10	0.04	0.09	0.02
4-5	0.22	0.15	0.11	0.08	0.19	0.12	0.08	0.07	0.23	0.10	0.18	0.07
5-6	0.47	0.33	0.25	0.19	0.39	0.26	0.18	0.15	0.46	0.22	0.36	0.14
6-7	1.04	0.75	0.58	0.48	0.85	0.61	0.43	0.36	1.02	0.51	0.79	0.34
7-8	1.70	1.24	0.99	0.85	1.37	0.99	0.72	0.59	1.70	0.86	1.26	0.56
8-9	2.04	1.50	1.19	1.02	1.65	1.18	0.86	0.69	2.02	1.04	1.54	0.68
9-10	2.27	1.67	1.31	1.14	1.84	1.29	0.95	0.75	2.25	1.15	1.74	0.76
10-11	2.39	1.79	1.39	1.21	1.97	1.36	1.00	0.79	2.39	1.22	1.87	0.80
11-12	2.51	1.88	1.47	1.27	2.05	1.42	1.05	0.82	2.51	1.28	1.98	0.85
12-13	2.32	1.74	1.34	1.16	1.91	1.31	0.97	0.75	2.36	1.19	1.86	0.80
13-14	2.06	1.54	1.18	1.02	1.71	1.16	0.86	0.68	2.09	1.04	1.66	0.71
14-15	2.13	1.59	1.25	1.08	1.76	1.20	0.91	0.70	2.12	1.08	1.71	0.75
15-16	1.78	1.35	1.06	0.92	1.47	1.00	0.76	0.60	1.78	0.91	1.44	0.65
16-17	1.47	1.12	0.88	0.78	1.22	0.85	0.65	0.51	1.47	0.77	1.21	0.55
17-18	1.10	0.82	0.67	0.60	0.91	0.65	0.49	0.40	1.12	0.59	0.92	0.43
18-19	0.72	0.52	0.44	0.41	0.59	0.43	0.33	0.28	0.76	0.41	0.61	0.30
19-20	0.39	0.26	0.23	0.22	0.32	0.25	0.18	0.16	0.33	0.15	0.35	0.18
20-21	0.16	0.09	0.08	0.10	0.12	0.10	0.06	0.07	0.16	0.09	0.14	0.08
21-22	0.08	0.0	0.02	0.02	0.02	0.01	0.01	0.01	0.06	0.03	0.03	0.01
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	24.97	18.40	14.46	12.58	20.45	14.26	10.51	8.39	24.95	12.66	19.77	8.65

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
NOV. 5	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
HOUR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.63	0.72	0.62	0.72	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
1-2	0.59	0.72	0.59	0.72	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
2-3	0.60	0.72	0.60	0.72	0.0	-0.12	-0.12	0.0	0.0	0.0	0.0	
3-4	0.57	0.72	0.57	0.72	0.01	-0.14	-0.14	0.0	0.0	0.0	0.0	
4-5	0.53	0.71	0.52	0.71	0.03	-0.19	-0.16	0.012	0.010	0.007	0.007	
5-6	0.55	0.72	0.54	0.72	0.08	-0.17	-0.10	0.034	0.027	0.023	0.019	
6-7	0.57	0.73	0.57	0.72	0.19	-0.16	0.03	0.204	0.168	0.139	0.122	
7-8	0.50	0.75	0.50	0.74	0.33	-0.24	0.09	0.716	0.580	0.483	0.418	
8-9	0.48	0.76	0.48	0.76	0.39	-0.28	0.11	0.858	0.687	0.570	0.492	
9-10	0.51	0.77	0.50	0.78	0.42	-0.26	0.16	0.777	0.620	0.515	0.441	
10-11	0.53	0.78	0.53	0.79	0.43	-0.25	0.18	0.720	0.571	0.469	0.403	
11-12	0.54	0.79	0.54	0.80	0.46	-0.25	0.21	0.717	0.569	0.469	0.397	
12-13	0.57	0.79	0.57	0.81	0.41	-0.22	0.19	0.544	0.438	0.357	0.304	
13-14	0.60	0.79	0.60	0.80	0.35	-0.20	0.15	0.434	0.350	0.285	0.238	
14-15	0.54	0.80	0.55	0.81	0.36	-0.26	0.11	0.732	0.584	0.474	0.412	
15-16	0.51	0.80	0.52	0.81	0.31	-0.29	0.02	0.782	0.634	0.530	0.459	
16-17	0.48	0.80	0.49	0.80	0.25	-0.32	-0.06	0.882	0.727	0.606	0.522	
17-18	0.45	0.78	0.47	0.79	0.19	-0.34	-0.14	0.924	0.775	0.654	0.567	
18-19	0.45	0.74	0.45	0.75	0.13	-0.29	-0.16	0.837	0.725	0.621	0.542	
19-20	0.44	0.72	0.46	0.73	0.07	-0.28	-0.20	0.687	0.622	0.549	0.485	
20-21	0.44	0.70	0.45	0.71	0.05	-0.25	-0.21	0.490	0.468	0.435	0.395	
21-22	0.44	0.68	0.44	0.70	0.06	-0.24	-0.18	0.130	0.127	0.122	0.114	
22-23	0.43	0.66	0.44	0.68	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
23-24	0.43	0.66	0.45	0.67	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	
TOTAL	12.41	17.82	12.43	17.97	4.52	-5.42	-0.89					

NOV. 6													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.00	0.0	0.00	0.0	0.0
2-3	0.14	0.11	0.07	0.08	0.05	0.03	0.02	0.02	0.07	0.07	0.06	0.02	0.02
3-4	0.30	0.22	0.19	0.18	0.24	0.20	0.14	0.14	0.22	0.14	0.20	0.10	0.10
4-5	0.59	0.43	0.37	0.33	0.48	0.39	0.27	0.25	0.53	0.29	0.43	0.21	0.21
5-6	0.95	0.69	0.57	0.50	0.78	0.59	0.42	0.37	0.91	0.48	0.70	0.33	0.33
6-7	1.32	0.97	0.78	0.69	1.08	0.80	0.57	0.49	1.30	0.68	0.98	0.44	0.44
7-8	1.64	1.22	0.98	0.85	1.35	0.98	0.71	0.58	1.67	0.85	1.22	0.53	0.53
8-9	2.00	1.49	1.19	1.04	1.64	1.17	0.85	0.69	2.02	1.04	1.52	0.66	0.66
9-10	2.26	1.67	1.32	1.16	1.84	1.29	0.94	0.75	2.26	1.16	1.72	0.74	0.74
10-11	2.44	1.82	1.43	1.26	1.98	1.37	1.01	0.80	2.42	1.25	1.87	0.81	0.81
11-12	2.52	1.89	1.49	1.31	2.04	1.39	1.05	0.81	2.50	1.30	1.96	0.85	0.85
12-13	2.51	1.87	1.47	1.29	2.02	1.36	1.03	0.79	2.49	1.28	1.94	0.84	0.84
13-14	2.37	1.76	1.39	1.22	1.92	1.29	0.98	0.75	2.35	1.22	1.86	0.81	0.81
14-15	2.15	1.61	1.27	1.11	1.75	1.18	0.90	0.69	2.12	1.10	1.70	0.75	0.75
15-16	1.84	1.40	1.10	0.97	1.51	1.03	0.79	0.61	1.84	0.96	1.48	0.66	0.66
16-17	1.49	1.13	0.89	0.99	1.23	0.85	0.65	0.52	1.50	0.78	1.22	0.56	0.56
17-18	1.11	0.83	0.67	0.61	0.92	0.65	0.50	0.40	1.14	0.60	0.93	0.44	0.44
18-19	0.74	0.53	0.45	0.42	0.61	0.44	0.33	0.28	0.78	0.42	0.62	0.30	0.30
19-20	0.40	0.27	0.24	0.23	0.34	0.26	0.19	0.17	0.33	0.16	0.36	0.18	0.18
20-21	0.08	0.04	0.04	0.04	0.09	0.06	0.04	0.03	0.09	0.04	0.10	0.04	0.04
21-22	0.01	0.00	0.0	0.00	0.02	0.01	0.0	0.0	0.03	0.0	0.02	0.0	0.0
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	26.85	19.95	15.92	99.99	21.88	15.33	11.38	9.13	26.57	13.84	20.88	9.26	9.26

NOV. 6													
LONGWAVE RADIATION (MJ/M**2)													
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.43	0.65	0.44	0.66	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.44	0.65	0.43	0.65	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0	0.0	0.0
2-3	0.43	0.66	0.44	0.65	0.09	-0.23	-0.14	0.252	0.248	0.236	0.219	0.219	0.219
3-4	0.43	0.66	0.45	0.67	0.07	-0.23	-0.16	0.595	0.556	0.505	0.453	0.453	0.453
4-5	0.43	0.66	0.44	0.67	0.12	-0.23	-0.12	0.772	0.684	0.597	0.525	0.525	0.525
5-6	0.45	0.67	0.44	0.68	0.17	-0.22	-0.05	0.879	0.750	0.640	0.557	0.557	0.557
6-7	0.46	0.69	0.45	0.70	0.24	-0.23	0.01	0.949	0.789	0.666	0.576	0.576	0.576
7-8	0.47	0.71	0.47	0.72	0.29	-0.24	0.05	0.922	0.755	0.631	0.548	0.548	0.548
8-9	0.47	0.74	0.48	0.74	0.35	-0.27	0.08	1.020	0.825	0.688	0.591	0.591	0.591
9-10	0.47	0.76	0.46	0.77	0.41	-0.30	0.12	1.051	0.842	0.699	0.603	0.603	0.603
10-11	0.47	0.78	0.48	0.79	0.46	-0.31	0.15	1.064	0.851	0.706	0.604	0.604	0.604
11-12	0.47	0.81	0.48	0.81	0.48	-0.34	0.14	1.070	0.854	0.709	0.605	0.605	0.605
12-13	0.48	0.83	0.48	0.83	0.49	-0.35	0.14	1.069	0.853	0.706	0.605	0.605	0.605
13-14	0.48	0.83	0.49	0.85	0.45	-0.35	0.10	1.059	0.849	0.704	0.603	0.603	0.603
14-15	0.50	0.83	0.49	0.85	0.40	-0.33	0.07	1.047	0.841	0.698	0.600	0.600	0.600
15-16	0.50	0.81	0.48	0.83	0.33	-0.31	0.02	1.019	0.826	0.689	0.594	0.594	0.594
16-17	0.48	0.80	0.48	0.81	0.26	-0.32	-0.06	0.980	0.805	0.675	0.582	0.582	0.582
17-18	0.48	0.78	0.48	0.80	0.19	-0.30	-0.11	0.925	0.775	0.655	0.568	0.568	0.568
18-19	0.48	0.75	0.48	0.77	0.13	-0.28	-0.15	0.839	0.724	0.621	0.541	0.541	0.541
19-20	0.48	0.72	0.48	0.74	0.06	-0.24	-0.18	0.688	0.620	0.545	0.481	0.481	0.481
20-21	0.48	0.69	0.47	0.72	0.0	-0.21	-0.21	0.196	0.185	0.168	0.150	0.150	0.150
21-22	0.47	0.67	0.47	0.71	0.0	-0.20	-0.20	0.048	0.047	0.046	0.042	0.042	0.042
22-23	0.48	0.66	0.48	0.69	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.50	0.66	0.50	0.69	0.0	-0.16	-0.16	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	11.21	17.46	11.24	17.80	4.99	-6.26	-1.27						

NOV. 7 : SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.12	0.07	0.0	0.0	0.01	0.00	0.0	0.0	0.03	0.0	0.01	0.0	
2-3	0.05	0.04	0.03	0.02	0.05	0.03	0.02	0.02	0.06	0.03	0.05	0.02	
3-4	0.20	0.15	0.12	0.11	0.18	0.13	0.09	0.08	0.19	0.10	0.17	0.08	
4-5	0.43	0.32	0.27	0.24	0.38	0.29	0.20	0.18	0.42	0.22	0.35	0.16	
5-6	0.82	0.62	0.50	0.44	0.70	0.53	0.37	0.32	0.83	0.43	0.65	0.29	
6-7	1.11	0.83	0.65	0.56	0.93	0.68	0.48	0.40	1.11	0.56	0.87	0.37	
7-8	1.42	1.06	0.82	0.71	1.19	0.85	0.60	0.49	1.45	0.72	1.11	0.46	
8-9	1.87	1.40	1.08	0.94	1.56	1.10	0.79	0.64	1.90	0.94	1.45	0.61	
9-10	2.17	1.61	1.23	1.07	1.81	1.25	0.90	0.72	2.19	1.07	1.69	0.70	
10-11	2.26	1.67	1.27	1.11	1.88	1.28	0.93	0.74	2.26	1.10	1.77	0.72	
11-12	2.33	1.73	1.31	1.14	1.94	1.31	0.95	0.75	2.35	1.14	1.84	0.75	
12-13	2.12	1.56	1.15	1.00	1.77	1.20	0.85	0.68	2.15	1.00	1.68	0.66	
13-14	2.17	1.62	1.22	1.06	1.82	1.22	0.90	0.70	2.17	1.06	1.74	0.71	
14-15	1.90	1.41	1.07	0.93	1.60	1.08	0.79	0.62	1.91	0.92	1.53	0.63	
15-16	1.62	1.22	0.93	0.80	1.37	0.93	0.69	0.54	1.63	0.80	1.32	0.56	
16-17	1.38	1.04	0.80	0.71	1.17	0.81	0.61	0.48	1.39	0.70	1.15	0.50	
17-18	1.05	0.80	0.63	0.56	0.90	0.63	0.48	0.38	1.08	0.56	0.90	0.41	
18-19	0.55	0.41	0.32	0.28	0.48	0.33	0.24	0.20	0.56	0.28	0.47	0.20	
19-20	0.28	0.21	0.16	0.14	0.25	0.17	0.12	0.11	0.29	0.14	0.24	0.10	
20-21	0.12	0.09	0.07	0.05	0.11	0.07	0.05	0.04	0.13	0.06	0.11	0.04	
21-22	0.07	0.04	0.01	0.01	0.03	0.02	0.01	0.01	0.05	0.01	0.03	0.01	
22-23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	24.05	17.90	13.65	11.90	20.14	13.92	10.08	8.11	24.15	11.84	19.13	7.99	

NOV. 7 : LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.52	0.67	0.52	0.70	0.0	-0.15	-0.15	0.0	0.0	0.0	0.0		
1-2	0.56	0.68	0.57	0.70	0.10	-0.12	-0.01	0.001	0.001	0.001	0.001		
2-3	0.56	0.68	0.56	0.70	0.00	-0.12	-0.12	0.027	0.026	0.025	0.023		
3-4	0.52	0.68	0.52	0.70	0.02	-0.16	-0.14	0.204	0.189	0.169	0.151		
4-5	0.54	0.69	0.53	0.71	0.05	-0.15	-0.10	0.327	0.287	0.247	0.216		
5-6	0.55	0.70	0.54	0.72	0.12	-0.15	-0.03	0.499	0.425	0.361	0.313		
6-7	0.61	0.72	0.61	0.74	0.18	-0.10	-0.07	0.326	0.269	0.224	0.193		
7-8	0.62	0.74	0.61	0.77	0.23	-0.12	0.10	0.366	0.297	0.246	0.211		
8-9	0.61	0.77	0.61	0.78	0.31	-0.16	0.15	0.520	0.418	0.345	0.296		
9-10	0.64	0.80	0.64	0.81	0.36	-0.16	0.20	0.454	0.362	0.299	0.256		
10-11	0.66	0.83	0.66	0.83	0.38	-0.17	0.21	0.387	0.307	0.253	0.216		
11-12	0.67	0.86	0.67	0.85	0.39	-0.19	0.20	0.386	0.305	0.248	0.210		
12-13	0.76	0.88	0.76	0.87	0.35	-0.12	0.23	0.060	0.044	0.034	0.026		
13-14	0.68	0.88	0.68	0.87	0.36	-0.20	0.15	0.300	0.237	0.192	0.164		
14-15	0.69	0.87	0.68	0.87	0.30	-0.18	0.11	0.266	0.211	0.174	0.148		
15-16	0.67	0.86	0.66	0.86	0.25	-0.19	0.07	0.303	0.243	0.201	0.171		
16-17	0.63	0.85	0.63	0.86	0.21	-0.22	-0.01	0.457	0.373	0.310	0.267		
17-18	0.59	0.83	0.59	0.84	0.16	-0.24	-0.09	0.541	0.450	0.376	0.323		
18-19	0.63	0.80	0.62	0.80	0.07	-0.17	-0.10	0.147	0.124	0.105	0.090		
19-20	0.70	0.80	0.70	0.81	0.04	-0.10	-0.06	0.040	0.034	0.029	0.024		
20-21	0.74	0.80	0.74	0.80	0.01	-0.06	-0.04	0.0	0.0	0.0	0.0		
21-22	0.73	0.79	0.72	0.80	0.04	-0.06	-0.02	0.0	0.0	0.0	0.0		
22-23	0.71	0.78	0.71	0.79	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
23-24	0.72	0.78	0.72	0.78	0.0	-0.06	-0.06	0.0	0.0	0.0	0.0		
TOTAL	15.32	18.72	15.26	18.97	3.91	-3.40	0.51						



NOV. 8	SHORTWAVE RADIATION (MJ/M**2)												
	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	HOURL	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.01	0.0	0.00	0.0
2-3	0.04	0.03	0.02	0.01	0.04	0.02	0.01	0.01	0.01	0.05	0.01	0.04	0.01
3-4	0.17	0.12	0.10	0.08	0.15	0.10	0.07	0.06	0.06	0.18	0.09	0.15	0.05
4-5	0.38	0.28	0.22	0.19	0.33	0.23	0.16	0.14	0.14	0.38	0.19	0.31	0.13
5-6	0.75	0.56	0.44	0.39	0.64	0.47	0.33	0.28	0.28	0.76	0.38	0.60	0.26
6-7	1.00	0.74	0.57	0.49	0.85	0.60	0.42	0.35	0.35	1.01	0.50	0.79	0.33
7-8	1.38	1.02	0.79	0.68	1.17	0.82	0.58	0.48	0.48	1.41	0.69	1.10	0.45
8-9	2.08	1.57	1.22	1.06	1.73	1.22	0.88	0.71	0.71	2.12	1.06	1.62	0.69
9-10	2.06	1.52	1.15	0.99	1.73	1.19	0.85	0.68	0.68	2.08	1.00	1.63	0.66
10-11	2.00	1.45	1.06	0.91	1.70	1.14	0.80	0.64	0.64	2.02	0.92	1.60	0.62
11-12	2.20	1.62	1.21	1.05	1.85	1.25	0.90	0.71	0.71	2.23	1.05	1.76	0.70
12-13	2.10	1.54	1.14	0.99	1.76	1.18	0.85	0.67	0.67	2.11	0.99	1.67	0.67
13-14	1.85	1.33	0.97	0.83	1.57	1.05	0.74	0.58	0.58	1.86	0.83	1.49	0.57
14-15	1.56	1.10	0.77	0.64	1.35	0.89	0.61	0.48	0.48	1.58	0.65	1.27	0.46
15-16	1.31	0.93	0.67	0.56	1.13	0.75	0.52	0.42	0.42	1.33	0.57	1.07	0.40
16-17	0.97	0.68	0.49	0.40	0.84	0.55	0.38	0.31	0.31	0.98	0.41	0.79	0.29
17-18	0.69	0.49	0.35	0.28	0.61	0.40	0.28	0.22	0.22	0.71	0.30	0.57	0.21
18-19	0.45	0.32	0.23	0.17	0.40	0.26	0.18	0.15	0.15	0.46	0.19	0.38	0.13
19-20	0.22	0.15	0.11	9.99	0.20	0.12	0.08	0.07	0.07	0.23	0.09	0.19	0.06
20-21	0.09	0.06	0.04	9.99	0.08	0.05	0.03	0.02	0.02	0.09	0.03	0.08	0.02
21-22	0.01	0.01	0.00	9.99	0.02	0.00	0.00	0.0	0.0	0.02	0.00	0.02	0.0
22-23	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	21.32	15.52	11.53	99.99	18.17	12.31	8.68	6.99	6.99	21.63	9.96	17.13	6.70

NOV. 8	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
	(SURFACE)		(30M)		(SURFACE)			(BLANK)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(305)	(530)	(630)	(695)	
0-1	0.71	0.78	0.70	0.78	0.0	-0.07	-0.07	0.0	0.0	0.0	0.0	0.0
1-2	0.69	0.77	0.68	0.78	0.0	-0.09	-0.09	0.0	0.0	0.0	0.0	0.0
2-3	0.72	0.77	0.72	0.78	0.00	-0.05	-0.05	0.0	0.0	0.0	0.0	0.0
3-4	0.63	0.77	0.62	0.78	0.02	-0.14	-0.12	0.014	0.013	0.011	0.010	0.010
4-5	0.66	0.77	0.66	0.78	0.05	-0.11	-0.06	0.044	0.038	0.032	0.028	0.028
5-6	0.63	0.78	0.62	0.79	0.10	-0.15	-0.05	0.242	0.204	0.172	0.148	0.148
6-7	0.67	0.79	0.66	0.79	0.15	-0.12	0.03	0.220	0.180	0.150	0.129	0.129
7-8	0.68	0.81	0.68	0.81	0.21	-0.12	0.08	0.281	0.230	0.191	0.165	0.165
8-9	0.65	0.83	0.65	0.84	0.35	-0.18	0.18	0.512	0.404	0.316	0.270	0.270
9-10	0.72	0.85	0.71	0.85	0.33	-0.13	0.20	0.255	0.201	0.161	0.139	0.139
10-11	0.76	0.85	0.76	0.86	0.30	-0.09	0.21	0.291	0.071	0.057	0.048	0.048
11-12	0.71	0.87	0.71	0.87	0.35	-0.16	0.20	0.203	0.158	0.128	0.109	0.109
12-13	0.69	0.86	0.69	0.87	0.34	-0.17	0.17	0.135	0.104	0.084	0.072	0.072
13-14	0.76	0.86	0.76	0.87	0.28	-0.10	0.18	0.047	0.036	0.028	0.024	0.024
14-15	0.80	0.86	0.80	0.87	0.21	-0.06	0.15	0.003	0.002	0.001	0.001	0.001
15-16	0.80	0.87	0.80	0.87	0.18	-0.07	0.11	0.004	0.001	0.0	0.0	0.0
16-17	0.81	0.87	0.80	0.87	0.12	-0.06	0.06	0.0	0.0	0.0	0.0	0.0
17-18	0.82	0.87	0.81	0.86	0.09	-0.05	0.04	0.0	0.0	0.0	0.0	0.0
18-19	0.81	0.86	0.81	0.86	0.05	-0.05	0.00	0.0	0.0	0.0	0.0	0.0
19-20	0.82	0.86	0.82	0.85	0.02	-0.04	-0.01	0.0	0.0	0.0	0.0	0.0
20-21	0.83	0.85	0.83	0.85	0.00	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0
21-22	0.84	0.85	0.82	0.84	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0
22-23	0.83	0.85	0.83	0.84	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0
23-24	0.84	0.85	0.83	0.85	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0
TOTAL	17.89	19.95	17.77	20.02	3.16	-2.06	1.10					

SHORTWAVE RADIATION (MJ/M**2)												
NOV. 9	GLOBAL(SURFACE)				REFLECTED(SURFACE)				GLOBAL(30M)		REFLECTED(30M)	
HOUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.00	0.0	9.99	0.0	0.0	0.00	0.0	0.0	0.0	0.0	0.0
1-2	0.0	0.00	0.0	9.99	0.00	0.0	0.0	0.0	0.00	0.0	0.00	0.0
2-3	0.03	0.04	0.01	9.99	0.04	0.02	0.01	0.01	0.05	0.01	0.04	0.00
3-4	0.17	0.14	0.09	9.99	0.15	0.10	0.07	0.06	0.19	0.08	0.15	0.05
4-5	0.37	0.27	0.19	9.99	0.32	0.21	0.15	0.12	0.38	0.18	0.31	0.12
5-6	0.92	0.70	0.52	9.99	0.77	0.54	0.39	0.32	0.99	0.50	0.79	0.35
6-7	1.16	0.87	0.65	9.99	0.96	0.67	0.48	0.40	1.25	0.62	0.99	0.42
7-8	1.31	0.98	0.72	9.99	1.11	0.76	0.54	0.44	1.38	0.66	1.09	0.45
8-9	1.55	1.14	0.82	9.99	1.33	0.90	0.63	0.51	1.64	0.76	1.30	0.52
9-10	1.92	1.44	1.05	9.99	1.61	1.10	0.78	0.63	2.07	1.00	1.64	0.69
10-11	2.04	1.49	1.08	9.99	1.71	1.16	0.80	0.65	2.13	0.98	1.71	0.69
11-12	2.13	1.54	1.11	9.99	1.80	1.22	0.85	0.68	2.29	1.05	1.84	0.74
12-13	2.07	1.51	1.10	9.99	1.72	1.16	0.82	0.66	2.18	1.03	1.75	0.72
13-14	2.16	1.60	1.19	9.99	1.79	1.23	0.88	0.71	2.26	1.10	1.82	0.77
14-15	1.89	1.40	1.04	9.99	1.55	1.05	0.76	0.61	1.95	0.95	1.57	0.67
15-16	1.20	0.86	0.61	9.99	1.02	0.67	0.47	0.37	1.23	0.54	0.99	0.38
16-17	0.90	0.64	0.45	9.99	0.77	0.50	0.35	0.28	0.93	0.40	0.74	0.28
17-18	0.69	0.50	0.35	9.99	0.59	0.39	0.27	0.21	0.71	0.31	0.57	0.21
18-19	0.46	0.34	0.23	9.99	0.40	0.26	0.18	0.15	0.48	0.21	0.38	0.15
19-20	0.26	0.20	0.13	9.99	0.23	0.15	0.10	0.08	0.27	0.12	0.22	0.08
20-21	0.11	0.09	0.05	9.99	0.10	0.06	0.04	0.03	0.12	0.05	0.10	0.03
21-22	0.03	0.03	0.01	9.99	0.04	0.02	0.01	0.01	0.04	0.01	0.04	0.00
22-23	0.0	0.07	0.0	9.99	0.00	0.0	0.0	0.0	0.01	0.0	0.00	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	21.35	15.87	11.43	99.99	17.99	12.18	8.58	6.93	22.55	10.54	18.03	7.32

LONGWAVE RADIATION (MJ/M**2) ; NET RADIATION (MJ/M**2) ; DIRECT RADIATION (KW/M**2)												
NOV. 9	(SURFACE)		(30M)		(SURFACE)			(BLANK)				
HOUR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.80	0.85	0.77	0.85	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
1-2	0.80	0.85	0.76	0.84	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0	
2-3	0.81	0.84	0.78	0.83	0.0	-0.03	-0.03	0.0	0.0	0.0	0.0	
3-4	0.79	0.84	0.76	0.83	0.02	-0.04	-0.02	0.0	0.0	0.0	0.0	
4-5	0.82	0.84	0.80	0.83	0.05	-0.02	0.03	0.0	0.0	0.0	0.0	
5-6	0.79	0.84	0.72	0.83	0.15	-0.05	0.10	0.008	0.007	0.005	0.004	
6-7	0.76	0.83	0.70	0.83	0.20	-0.08	0.12	0.027	0.021	0.018	0.014	
7-8	0.77	0.84	0.74	0.83	0.20	-0.06	0.14	0.030	0.023	0.017	0.015	
8-9	0.80	0.84	0.78	0.84	0.22	-0.04	0.18	0.016	0.012	0.008	0.006	
9-10	0.78	0.84	0.73	0.84	0.31	-0.06	0.25	0.047	0.031	0.024	0.020	
10-11	0.79	0.85	0.76	0.85	0.33	-0.07	0.27	0.033	0.028	0.019	0.016	
11-12	0.79	0.85	0.75	0.85	0.32	-0.07	0.26	0.045	0.035	0.029	0.023	
12-13	0.77	0.85	0.72	0.85	0.35	-0.08	0.27	0.082	0.060	0.051	0.041	
13-14	0.76	0.85	0.71	0.85	0.36	-0.10	0.27	0.120	0.093	0.075	0.061	
14-15	0.75	0.85	0.71	0.85	0.34	-0.10	0.24	0.120	0.100	0.074	0.064	
15-16	0.80	0.84	0.78	0.83	0.18	-0.04	0.14	0.002	0.002	0.001	0.001	
16-17	0.80	0.83	0.78	0.82	0.13	-0.03	0.10	0.0	0.0	0.0	0.0	
17-18	0.80	0.83	0.78	0.82	0.10	-0.02	0.07	0.0	0.0	0.0	0.0	
18-19	0.81	0.82	0.79	0.82	0.06	-0.02	0.05	0.0	0.0	0.0	0.0	
19-20	0.80	0.82	0.78	0.81	0.04	-0.01	0.02	0.0	0.0	0.0	0.0	
20-21	0.80	0.81	0.77	0.80	0.01	-0.01	-0.00	0.0	0.0	0.0	0.0	
21-22	0.78	0.80	0.76	0.80	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	
22-23	0.78	0.80	0.76	0.79	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	
23-24	0.79	0.80	0.77	0.79	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	
TOTAL	18.94	20.01	18.17	19.89	3.38	-1.08	2.30					

NOV. 10 : SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.01	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1-2	0.00	0.03	0.0	9.99	0.01	0.0	0.00	0.0	0.01	0.0	0.01	0.0	
2-3	0.07	0.06	0.03	9.99	0.06	0.04	0.03	0.02	0.08	0.03	0.06	0.02	
3-4	0.17	0.13	0.08	9.99	0.15	0.09	0.07	0.06	0.18	0.08	0.15	0.05	
4-5	0.31	0.23	0.16	9.99	0.27	0.17	0.12	0.10	0.32	0.14	0.25	0.09	
5-6	0.60	0.44	0.32	9.99	0.51	0.35	0.24	0.20	0.61	0.29	0.48	0.19	
6-7	0.97	0.73	0.55	9.99	0.82	0.57	0.40	0.33	0.98	0.49	0.77	0.32	
7-8	1.76	1.34	1.03	9.99	1.46	1.03	0.74	0.61	1.79	0.90	1.37	0.59	
8-9	1.93	1.45	1.12	9.99	1.58	1.10	0.79	0.64	1.96	0.98	1.49	0.63	
9-10	2.04	1.52	1.14	9.99	1.68	1.16	0.82	0.66	2.07	0.99	1.60	0.65	
10-11	2.42	1.81	1.37	9.99	1.97	1.36	0.97	0.78	2.43	1.20	1.90	0.79	
11-12	2.44	1.84	1.39	9.99	1.99	1.36	0.99	0.78	2.46	1.21	1.93	0.81	
12-13	2.54	1.92	1.47	9.99	2.05	1.40	1.03	0.81	2.54	1.29	2.01	0.86	
13-14	2.38	1.81	1.40	9.99	1.97	1.27	0.95	0.74	2.40	1.22	1.86	0.81	
14-15	2.07	1.57	1.21	9.99	1.66	1.13	0.84	0.66	2.08	1.05	1.65	0.71	
15-16	1.78	1.35	1.04	9.99	1.45	0.99	0.73	0.58	1.78	0.90	1.45	0.63	
16-17	1.49	1.13	0.88	9.99	1.23	0.85	0.63	0.50	1.51	0.77	1.23	0.55	
17-18	1.08	0.81	0.65	9.99	0.89	0.62	0.46	0.37	1.10	0.57	0.91	0.42	
18-19	0.77	0.58	0.46	9.99	0.64	0.46	0.34	0.28	0.79	0.42	0.65	0.31	
19-20	0.34	0.25	0.19	9.99	0.29	0.19	0.14	0.11	0.34	0.16	0.27	0.11	
20-21	0.15	0.11	0.09	9.99	0.13	0.09	0.07	0.05	0.16	0.08	0.13	0.05	
21-22	0.05	0.04	0.03	9.99	0.05	0.03	0.02	0.02	0.06	0.03	0.05	0.01	
22-23	0.05	0.01	0.0	9.99	0.01	0.00	0.0	0.0	0.03	0.0	0.01	0.0	
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
TOTAL	25.41	19.17	14.62	99.99	20.75	14.25	10.38	8.33	25.67	12.81	20.24	8.61	

NOV. 10 : LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(305)	(530)	(630)	(695)		
0-1	0.79	0.80	0.77	0.79	0.0	-0.01	-0.01	0.0	0.0	0.0	0.0	0.0	
1-2	0.78	0.80	0.76	0.79	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0	0.0	
2-3	0.76	0.79	0.75	0.79	0.01	-0.03	-0.02	0.0	0.0	0.0	0.0	0.0	
3-4	0.76	0.79	0.74	0.79	0.02	-0.03	-0.01	0.0	0.0	0.0	0.0	0.0	
4-5	0.72	0.79	0.71	0.79	0.04	-0.07	-0.03	0.0	0.0	0.0	0.0	0.0	
5-6	0.66	0.79	0.64	0.79	0.09	-0.14	-0.05	0.035	0.029	0.024	0.020		
6-7	0.59	0.79	0.58	0.79	0.15	-0.20	-0.05	0.146	0.121	0.101	0.086		
7-8	0.61	0.81	0.60	0.81	0.30	-0.20	0.11	0.401	0.325	0.270	0.233		
8-9	0.58	0.82	0.57	0.82	0.34	-0.23	0.11	0.420	0.339	0.281	0.239		
9-10	0.66	0.83	0.65	0.83	0.36	-0.17	0.19	0.176	0.138	0.113	0.096		
10-11	0.62	0.84	0.62	0.84	0.44	-0.22	0.23	0.349	0.277	0.227	0.194		
11-12	0.63	0.84	0.62	0.85	0.45	-0.22	0.23	0.377	0.298	0.244	0.210		
12-13	0.58	0.84	0.58	0.85	0.49	-0.26	0.23	0.613	0.492	0.406	0.349		
13-14	0.53	0.84	0.54	0.85	0.51	-0.32	0.19	9.990	9.990	9.990	9.990		
14-15	0.58	0.84	0.59	0.85	0.41	-0.26	0.14	9.990	9.990	9.990	9.990		
15-16	0.59	0.83	0.57	0.83	0.33	-0.25	0.09	0.564	0.458	0.381	0.328		
16-17	0.58	0.83	0.57	0.83	0.26	-0.24	0.02	0.539	0.441	0.365	0.315		
17-18	0.56	0.82	0.55	0.82	0.20	-0.26	-0.06	0.565	0.472	0.397	0.344		
18-19	0.59	0.81	0.57	0.81	0.13	-0.23	-0.09	0.452	0.382	0.324	0.281		
19-20	0.72	0.80	0.71	0.80	0.05	-0.08	-0.03	0.001	0.001	0.000	0.0		
20-21	0.67	0.79	0.66	0.78	0.02	-0.12	-0.10	0.0	0.0	0.0	0.0		
21-22	0.63	0.77	0.62	0.76	0.00	-0.14	-0.13	0.0	0.0	0.0	0.0		
22-23	0.55	0.74	0.53	0.74	0.04	-0.19	-0.16	0.0	0.0	0.0	0.0		
23-24	0.53	0.73	0.51	0.72	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0		
TOTAL	15.27	19.35	15.04	19.32	4.67	-4.08	0.59						

NOV. 11 : SHORTWAVE RADIATION (MJ/M**2)												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1-2	0.03	0.13	0.01	9.99	0.02	0.01	0.00	0.00	0.04	0.01	0.02	0.0
2-3	0.08	0.07	0.05	9.99	0.07	0.05	0.03	0.03	0.09	0.04	0.07	0.03
3-4	0.25	0.20	0.15	9.99	0.22	0.15	0.11	0.09	0.25	0.14	0.20	0.09
4-5	0.51	0.38	0.30	9.99	0.42	0.31	0.22	0.19	0.49	0.27	0.40	0.18
5-6	0.95	0.69	0.55	9.99	0.77	0.57	0.41	0.35	0.92	0.50	0.73	0.34
6-7	1.26	0.91	0.72	9.99	1.00	0.73	0.52	0.44	1.25	0.65	0.97	0.43
7-8	1.66	1.23	0.96	9.99	1.33	0.95	0.69	0.56	1.69	0.87	1.29	0.57
8-9	2.03	1.50	1.17	9.99	1.65	1.17	0.85	0.69	2.06	1.06	1.58	0.69
9-10	2.26	1.68	1.29	9.99	1.83	1.29	0.93	0.75	2.29	1.17	1.78	0.78
10-11	2.41	1.80	1.38	9.99	1.95	1.35	0.98	0.79	2.42	1.22	1.89	0.82
11-12	2.26	1.69	1.29	9.99	1.85	1.27	0.91	0.73	2.29	1.13	1.80	0.76
12-13	2.38	1.78	1.35	9.99	1.94	1.33	0.96	0.76	2.39	1.18	1.89	0.80
13-14	2.46	1.85	1.42	9.99	1.99	1.36	1.00	0.79	2.46	1.24	1.96	0.84
14-15	2.09	1.57	1.22	9.99	1.69	1.15	0.85	0.67	2.08	1.05	1.67	0.72
15-16	1.81	1.38	1.07	9.99	1.46	1.00	0.75	0.59	1.80	0.92	1.46	0.64
16-17	1.45	1.11	0.86	9.99	1.19	0.82	0.62	0.50	1.46	0.75	1.19	0.54
17-18	1.08	0.83	0.64	9.99	0.90	0.63	0.47	0.38	1.09	0.57	0.90	0.41
18-19	0.65	0.49	0.38	9.99	0.55	0.39	0.28	0.24	0.67	0.35	0.55	0.25
19-20	0.47	0.35	0.29	9.99	0.40	0.30	0.22	0.19	0.43	0.22	0.41	0.20
20-21	0.17	0.13	0.10	9.99	0.15	0.11	0.08	0.07	0.17	0.08	0.16	0.07
21-22	0.05	0.04	0.02	9.99	0.05	0.03	0.02	0.02	0.06	0.02	0.05	0.01
22-23	0.00	0.02	0.0	9.99	0.01	0.0	0.0	0.0	0.01	0.0	0.01	0.0
23-24	0.0	0.0	0.0	9.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	26.30	19.85	15.20	99.99	21.45	14.98	10.90	8.83	26.42	13.44	20.99	9.15

NOV. 11 : LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(530)	(630)	(695)	(695)	
0-1	0.52	0.72	0.51	0.71	0.0	-0.19	-0.19	0.0	0.0	0.0	0.0	0.0
1-2	0.56	0.71	0.55	0.71	0.01	-0.15	-0.14	0.0	0.0	0.0	0.0	0.0
2-3	0.57	0.71	0.55	0.71	0.01	-0.14	-0.14	0.004	0.004	0.004	0.003	0.003
3-4	0.57	0.71	0.55	0.71	0.04	-0.15	-0.11	0.034	0.031	0.027	0.024	0.024
4-5	0.54	0.71	0.51	0.71	0.09	-0.17	-0.09	0.160	0.139	0.117	0.103	0.103
5-6	0.53	0.72	0.50	0.71	0.18	-0.19	-0.01	0.365	0.308	0.254	0.225	0.225
6-7	0.55	0.73	0.51	0.72	0.26	-0.17	0.08	0.337	0.275	0.232	0.204	0.204
7-8	0.57	0.74	0.52	0.75	0.34	-0.17	0.17	0.398	0.318	0.262	0.228	0.228
8-9	0.56	0.75	0.52	0.77	0.38	-0.19	0.19	0.524	0.412	0.336	0.286	0.286
9-10	0.57	0.78	0.54	0.78	0.43	-0.20	0.23	0.520	0.421	0.341	0.293	0.293
10-11	0.58	0.79	0.56	0.80	0.46	-0.21	0.25	0.508	0.406	0.335	0.285	0.285
11-12	0.62	0.81	0.60	0.81	0.41	-0.19	0.22	0.378	0.299	0.246	0.208	0.208
12-13	0.63	0.82	0.62	0.83	0.43	-0.19	0.24	0.403	0.320	0.262	0.222	0.222
13-14	0.61	0.83	0.60	0.84	0.47	-0.22	0.25	0.572	0.454	0.377	0.324	0.324
14-15	0.56	0.83	0.56	0.84	0.40	-0.27	0.13	0.616	0.491	0.405	0.348	0.348
15-16	0.52	0.84	0.52	0.83	0.34	-0.32	0.02	0.750	0.604	0.500	0.430	0.430
16-17	0.53	0.83	0.52	0.82	0.26	-0.30	-0.05	0.720	0.587	0.487	0.420	0.420
17-18	0.59	0.82	0.58	0.82	0.18	-0.24	-0.06	0.455	0.376	0.317	0.273	0.273
18-19	0.56	0.80	0.55	0.81	0.10	-0.24	-0.15	0.325	0.277	0.235	0.204	0.204
19-20	0.53	0.78	0.52	0.79	0.07	-0.26	-0.19	0.414	0.365	0.317	0.278	0.278
20-21	0.51	0.75	0.49	0.76	0.01	-0.23	-0.22	0.171	0.158	0.143	0.128	0.128
21-22	0.51	0.75	0.51	0.75	0.0	-0.23	-0.23	0.036	0.035	0.033	0.030	0.030
22-23	0.53	0.74	0.52	0.75	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0	0.0
23-24	0.54	0.73	0.52	0.73	0.0	-0.20	-0.20	0.0	0.0	0.0	0.0	0.0
TOTAL	13.35	18.40	12.93	18.48	4.86	-5.05	-0.19					

NOV. 12													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.02	0.0	9.99	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	
1-2	0.07	0.15	0.01	9.99	0.03	0.01	0.01	9.01	0.05	0.01	0.03	0.01	
2-3	0.10	0.09	0.06	9.99	0.09	0.06	0.05	9.04	0.11	0.06	0.09	0.04	
3-4	0.32	0.26	0.20	9.99	0.28	0.20	0.15	9.13	0.32	0.18	0.26	0.12	
4-5	0.58	0.45	0.36	9.99	0.49	0.37	0.26	9.23	0.58	0.31	0.47	0.21	
5-6	1.01	0.77	0.61	9.99	0.84	0.63	0.45	9.39	1.01	0.53	0.78	0.36	
6-7	1.40	1.06	0.84	9.99	1.15	0.84	0.60	9.51	1.40	0.73	1.06	0.47	
7-8	1.76	1.34	1.06	9.99	1.45	1.04	0.75	9.62	1.79	0.93	1.34	0.58	
8-9	2.11	1.59	1.26	9.99	1.72	1.22	0.88	9.72	2.14	1.11	1.60	0.70	
9-10	2.39	1.79	1.40	9.99	1.93	1.35	0.98	9.79	2.39	1.24	1.81	0.79	
10-11	2.58	1.95	1.52	9.99	2.08	1.44	1.05	9.84	2.56	1.34	1.99	0.86	
11-12	2.65	2.02	1.57	9.99	2.12	1.46	1.08	9.84	2.64	1.38	2.05	0.89	
12-13	2.64	2.00	1.57	9.99	2.11	1.44	1.07	9.84	2.62	1.37	2.04	0.88	
13-14	2.50	1.90	1.49	9.99	2.00	1.37	1.02	9.80	2.49	1.25	1.97	0.86	
14-15	2.29	1.72	1.36	1.17	1.83	1.25	0.94	9.73	2.27	1.19	1.80	0.80	
15-16	1.98	1.51	1.19	1.04	1.60	1.10	0.83	9.65	1.97	1.04	1.58	0.71	
16-17	1.64	1.25	0.98	0.87	1.33	0.93	0.70	9.56	1.64	0.86	1.32	0.61	
17-18	1.25	0.95	0.76	0.68	1.02	0.73	0.55	9.44	1.28	0.68	1.03	0.49	
18-19	0.86	0.63	0.53	0.48	0.72	0.52	0.39	9.33	0.91	0.49	0.73	0.35	
19-20	0.52	0.36	0.32	0.30	0.44	0.34	0.24	9.22	0.43	0.22	0.46	0.23	
20-21	0.28	0.16	0.16	0.16	0.21	0.17	0.12	9.12	0.28	0.15	0.24	0.13	
21-22	0.09	0.03	0.05	0.07	0.08	0.06	0.04	9.04	0.12	0.07	0.09	0.05	
22-23	0.0	0.0	0.0	0.01	0.02	0.00	0.00	9.00	0.05	0.0	0.02	0.01	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.00	0.0	0.0	0.0	0.0	
TOTAL	29.02	21.99	17.30	99.99	23.52	16.54	12.13	9.67	29.04	15.15	22.77	10.14	

NOV. 12													
LONGWAVE RADIATION (MJ/M**2)													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	(SURFACE) LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.51	0.72	0.50	0.72	0.0	-0.21	-0.21	0.0	0.0	0.0	0.0		
1-2	0.54	0.71	0.52	0.71	0.04	-0.17	-0.13	0.005	0.005	0.005	0.005		
2-3	0.58	0.70	0.57	0.70	0.01	-0.13	-0.12	0.069	0.066	0.062	0.056		
3-4	0.59	0.71	0.58	0.70	0.05	-0.12	-0.07	0.112	0.101	0.089	0.079		
4-5	0.53	0.71	0.52	0.70	0.08	-0.17	-0.09	0.324	0.282	0.242	0.212		
5-6	0.52	0.72	0.51	0.71	0.17	-0.19	-0.02	0.583	0.493	0.417	0.363		
6-7	0.50	0.73	0.49	0.72	0.25	-0.22	0.03	0.772	0.638	0.535	0.463		
7-8	0.48	0.75	0.47	0.73	0.32	-0.27	0.05	0.930	0.759	0.633	0.548		
8-9	0.46	0.76	0.44	0.75	0.39	-0.30	0.10	1.034	0.836	0.695	0.599		
9-10	0.45	0.77	0.45	0.77	0.46	-0.32	0.13	1.059	0.851	0.705	0.608		
10-11	0.45	0.79	0.45	0.79	0.50	-0.33	0.17	1.076	0.861	0.713	0.615		
11-12	0.45	0.80	0.45	0.80	0.53	-0.35	0.18	1.084	0.867	0.715	0.619		
12-13	0.45	0.81	0.45	0.81	0.53	-0.35	0.18	1.088	0.868	0.718	0.619		
13-14	0.46	0.71	0.45	0.81	0.50	-0.24	0.26	1.084	0.868	0.720	0.619		
14-15	0.44	0.82	0.45	0.81	0.46	-0.37	0.09	1.068	0.860	0.714	0.615		
15-16	0.45	0.80	0.46	0.80	0.39	-0.35	0.03	1.046	0.849	0.706	0.609		
16-17	0.45	0.80	0.45	0.80	0.31	-0.35	-0.04	1.014	0.832	0.696	0.602		
17-18	0.46	0.80	0.44	0.79	0.23	-0.33	-0.11	0.965	0.805	0.679	0.589		
18-19	0.45	0.77	0.44	0.78	0.15	-0.31	-0.16	0.890	0.762	0.650	0.567		
19-20	0.45	0.74	0.46	0.74	0.08	-0.28	-0.20	0.733	0.651	0.567	0.500		
20-21	0.45	0.71	0.44	0.72	0.06	-0.26	-0.19	0.627	0.584	0.527	0.474		
21-22	0.45	0.69	0.44	0.70	0.01	-0.23	-0.22	0.414	0.404	0.381	0.352		
22-23	0.44	0.67	0.43	0.68	0.0	-0.23	-0.23	0.190	0.089	0.086	0.080		
23-24	0.44	0.67	0.44	0.67	0.0	-0.22	-0.22	0.0	0.0	0.0	0.0		
TOTAL	11.48	17.81	11.31	17.93	5.51	-6.33	-0.82						

NOV. 13													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.0	0.0	0.0	0.0	0.00	0.0	0.0	0.0	0.01	0.0	0.00	0.0	
1-2	0.03	0.04	0.03	0.02	0.03	0.00	0.00	0.0	0.06	0.03	0.04	0.01	
2-3	0.19	0.12	0.11	0.12	0.14	0.11	0.08	0.08	0.13	0.10	0.13	0.07	
3-4	0.38	0.27	0.26	0.22	0.32	0.27	0.19	0.18	0.33	0.20	0.30	0.15	
4-5	0.70	0.51	0.44	0.39	0.59	0.46	0.33	0.29	0.67	0.37	0.54	0.26	
5-6	1.07	0.79	0.65	0.58	0.89	0.67	0.48	0.41	1.06	0.57	0.81	0.38	
6-7	1.45	1.09	0.88	0.77	1.19	0.88	0.63	0.53	1.46	0.77	1.09	0.49	
7-8	1.82	1.36	1.10	0.95	1.48	1.07	0.77	0.64	1.84	0.96	1.36	0.60	
8-9	2.14	1.60	1.28	1.12	1.74	1.23	0.89	0.73	2.17	1.13	1.61	0.71	
9-10	2.42	1.80	1.42	1.26	1.95	1.36	0.99	0.80	2.42	1.26	1.83	0.80	
10-11	2.59	1.95	1.54	1.36	2.09	1.45	1.06	0.84	2.59	1.35	1.99	0.87	
11-12	2.68	2.02	1.59	1.40	2.14	1.46	1.08	0.86	2.67	1.40	2.07	0.90	
12-13	2.66	2.01	1.58	1.39	2.12	1.44	1.07	0.84	2.65	1.39	2.06	0.89	
13-14	2.51	1.91	1.51	1.31	1.97	1.33	1.00	0.78	2.54	1.33	1.92	0.84	
14-15	2.27	1.75	1.38	1.20	1.78	1.20	0.90	0.71	2.32	1.21	1.74	0.77	
15-16	1.96	1.53	1.20	1.07	1.55	1.05	0.80	0.63	1.99	1.05	1.52	0.67	
16-17	1.59	1.25	0.98	0.89	1.28	0.87	0.66	0.53	1.62	0.87	1.26	0.56	
17-18	1.24	0.95	0.76	0.69	1.02	0.72	0.54	0.44	1.27	0.69	1.03	0.47	
18-19	0.87	0.64	0.53	0.49	0.72	0.52	0.39	0.33	0.92	0.50	0.73	0.34	
19-20	0.52	0.37	0.32	0.31	0.45	0.34	0.25	0.23	0.44	0.22	0.47	0.23	
20-21	0.27	0.16	0.16	0.16	0.22	0.18	0.12	0.13	0.28	0.15	0.25	0.14	
21-22	0.12	0.04	0.06	0.09	0.08	0.07	0.04	0.05	0.13	0.08	0.10	0.05	
22-23	0.0	0.0	0.0	0.02	0.02	0.01	0.00	0.00	0.06	0.0	0.03	0.01	
23-24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.0	
TOTAL	29.48	22.18	17.77	15.82	23.77	16.70	12.27	10.03	29.62	15.65	22.89	10.20	

NOV. 13													
LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.44	0.67	0.43	0.66	0.0	-0.23	-0.23	0.0	0.0	0.0	0.0	0.0	
1-2	0.45	0.66	0.44	0.66	0.00	-0.22	-0.21	0.214	0.213	0.207	0.194	0.194	
2-3	0.45	0.66	0.44	0.66	0.05	-0.20	-0.15	0.512	0.492	0.458	0.417	0.417	
3-4	0.46	0.66	0.43	0.66	0.05	-0.20	-0.15	0.695	0.635	0.565	0.503	0.503	
4-5	0.46	0.66	0.43	0.66	0.11	-0.21	-0.10	0.829	0.725	0.627	0.550	0.550	
5-6	0.44	0.67	0.43	0.67	0.18	-0.23	-0.05	0.919	0.778	0.662	0.576	0.576	
6-7	0.45	0.69	0.43	0.68	0.26	-0.24	0.03	0.980	0.813	0.684	0.593	0.593	
7-8	0.45	0.72	0.44	0.70	0.34	-0.27	0.07	1.022	0.836	0.699	0.604	0.604	
8-9	0.45	0.74	0.45	0.73	0.40	-0.29	0.11	1.052	0.852	0.709	0.612	0.612	
9-10	0.44	0.77	0.45	0.77	0.47	-0.32	0.14	1.072	0.863	0.715	0.616	0.616	
10-11	0.45	0.79	0.46	0.79	0.51	-0.34	0.17	1.084	0.870	0.721	0.618	0.618	
11-12	0.45	0.81	0.45	0.80	0.53	-0.36	0.17	1.089	0.874	0.723	0.621	0.621	
12-13	0.44	0.82	0.46	0.81	0.54	-0.37	0.16	1.090	0.873	0.724	0.620	0.620	
13-14	0.42	0.82	0.46	0.82	0.54	-0.41	0.14	0.990	0.990	0.990	0.990	0.990	
14-15	0.41	0.82	0.46	0.85	0.50	-0.41	0.08	0.990	0.990	0.990	0.990	0.990	
15-16	0.44	0.83	0.48	0.86	0.40	-0.39	0.01	0.990	0.990	0.990	0.990	0.990	
16-17	0.45	0.81	0.47	0.85	0.31	-0.36	-0.05	0.990	0.990	0.990	0.990	0.990	
17-18	0.45	0.78	0.46	0.80	0.23	-0.33	-0.10	0.990	0.990	0.990	0.990	0.990	
18-19	0.46	0.75	0.45	0.79	0.15	-0.30	-0.14	0.898	0.768	0.655	0.571	0.571	
19-20	0.45	0.72	0.46	0.75	0.08	-0.27	-0.19	0.725	0.643	0.559	0.492	0.492	
20-21	0.46	0.70	0.45	0.73	0.04	-0.23	-0.19	0.636	0.592	0.533	0.477	0.477	
21-22	0.46	0.68	0.45	0.70	0.04	-0.22	-0.18	0.432	0.421	0.396	0.364	0.364	
22-23	0.45	0.65	0.45	0.69	0.0	-0.20	-0.20	0.114	0.111	0.107	0.100	0.100	
23-24	0.46	0.64	0.45	0.69	0.0	-0.18	-0.18	0.0	0.0	0.0	0.0	0.0	
TOTAL	10.75	17.52	10.77	17.78	5.73	-6.77	-1.04						

NOV. 14												
SHORTWAVE RADIATION (MJ/M**2)												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.0	0.0	0.0	0.0	0.01	0.0	0.0	0.0	0.01	0.0	0.02	0.0
1- 2	0.07	0.06	0.05	0.05	0.03	0.01	0.00	0.00	0.07	0.04	0.05	0.02
2- 3	0.21	0.14	0.13	0.13	0.15	0.13	0.09	0.09	0.14	0.10	0.14	0.07
3- 4	0.41	0.31	0.27	0.24	0.34	0.28	0.19	0.19	0.36	0.22	0.32	0.16
4- 5	0.73	0.54	0.45	0.41	0.60	0.47	0.34	0.30	0.70	0.38	0.56	0.27
5- 6	1.11	0.82	0.67	0.60	0.91	0.69	0.49	0.42	1.10	0.59	0.84	0.38
6- 7	1.49	1.11	0.90	0.79	1.21	0.90	0.64	0.54	1.50	0.79	1.12	0.50
7- 8	1.86	1.39	1.12	0.97	1.50	1.09	0.78	0.65	1.88	0.99	1.39	0.61
8- 9	2.18	1.63	1.30	1.14	1.76	1.25	0.90	0.74	2.21	1.16	1.64	0.72
9-10	2.45	1.83	1.44	1.28	1.98	1.38	1.01	0.81	2.46	1.28	1.86	0.81
10-11	2.63	1.98	1.55	1.38	2.11	1.46	1.07	0.86	2.63	1.38	2.02	0.88
11-12	2.72	2.06	1.62	1.42	2.17	1.48	1.10	0.87	2.71	1.42	2.10	0.90
12-13	2.71	2.04	1.61	1.41	2.16	1.47	1.09	0.86	2.70	1.42	2.10	0.90
13-14	2.57	1.94	1.53	1.34	2.06	1.39	1.04	0.81	2.56	1.34	2.01	0.87
14-15	2.35	1.77	1.40	1.23	1.88	1.28	0.96	0.75	2.33	1.22	1.85	0.81
15-16	2.05	1.56	1.23	1.08	1.65	1.13	0.85	0.67	2.05	1.07	1.63	0.72
16-17	1.70	1.30	1.02	0.90	1.37	0.96	0.72	0.57	1.71	0.90	1.36	0.62
17-18	1.31	0.99	0.79	0.71	1.07	0.76	0.57	0.46	1.33	0.71	1.07	0.50
18-19	0.93	0.68	0.56	0.51	0.76	0.55	0.41	0.35	0.97	0.53	0.77	0.36
19-20	0.56	0.40	0.35	0.33	0.48	0.37	0.26	0.24	0.46	0.24	0.50	0.25
20-21	0.31	0.20	0.19	0.18	0.26	0.21	0.14	0.14	0.33	0.17	0.28	0.15
21-22	0.20	0.10	0.09	0.14	0.11	0.08	0.06	0.06	0.17	0.12	0.12	0.07
22-23	0.19	0.16	0.08	0.09	0.03	0.03	0.01	0.01	0.10	0.15	0.05	0.02
23-24	0.34	0.28	0.03	0.05	0.03	0.02	0.00	0.0	0.06	0.15	0.03	0.0
TOTAL	31.09	23.29	18.36	16.39	24.63	17.40	12.73	10.40	30.53	16.38	23.82	10.59

NOV. 14												
LONGWAVE RADIATION (MJ/M**2)												
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0- 1	0.45	0.64	0.46	0.68	0.0	-0.19	-0.19	0.000	0.000	0.000	0.000	
1- 2	0.45	0.64	0.45	0.68	0.04	-0.19	-0.14	0.263	0.260	0.252	0.237	
2- 3	0.46	0.64	0.44	0.67	0.05	-0.18	-0.12	0.526	0.504	0.467	0.426	
3- 4	0.46	0.64	0.45	0.68	0.07	-0.18	-0.11	0.711	0.648	0.576	0.513	
4- 5	0.44	0.64	0.44	0.68	0.13	-0.20	-0.08	0.842	0.736	0.636	0.559	
5- 6	0.45	0.66	0.44	0.70	0.20	-0.21	-0.01	0.932	0.791	0.671	0.585	
6- 7	0.45	0.68	0.44	0.70	0.28	-0.23	0.05	0.992	0.824	0.693	0.602	
7- 8	0.45	0.72	0.44	0.73	0.35	-0.27	0.08	1.034	0.847	0.707	0.612	
8- 9	0.44	0.75	0.44	0.73	0.42	-0.31	0.10	1.063	0.861	0.717	0.619	
9-10	0.44	0.78	0.45	0.77	0.47	-0.33	0.14	1.082	0.872	0.723	0.624	
10-11	0.45	0.80	0.45	0.79	0.52	-0.36	0.16	1.095	0.880	0.730	0.626	
11-12	0.45	0.81	0.46	0.81	0.56	-0.36	0.19	1.103	0.883	0.731	0.627	
12-13	0.45	0.82	0.45	0.81	0.55	-0.37	0.18	1.103	0.884	0.732	0.628	
13-14	0.45	0.84	0.46	0.83	0.52	-0.39	0.13	1.095	0.879	0.727	0.629	
14-15	0.46	0.85	0.46	0.84	0.47	-0.39	0.07	1.083	0.874	0.725	0.624	
15-16	0.46	0.83	0.46	0.84	0.40	-0.37	0.03	1.061	0.862	0.717	0.619	
16-17	0.47	0.82	0.46	0.83	0.32	-0.35	-0.03	1.026	0.843	0.704	0.609	
17-18	0.46	0.80	0.46	0.81	0.24	-0.34	-0.10	0.976	0.815	0.685	0.595	
18-19	0.46	0.78	0.45	0.80	0.17	-0.32	-0.15	0.908	0.776	0.661	0.576	
19-20	0.46	0.76	0.45	0.76	0.08	-0.30	-0.22	0.752	0.665	0.576	0.506	
20-21	0.46	0.74	0.45	0.74	0.06	-0.27	-0.22	0.663	0.615	0.551	0.492	
21-22	0.46	0.72	0.45	0.73	0.10	-0.26	-0.16	0.468	0.453	0.424	0.388	
22-23	0.47	0.70	0.45	0.71	0.15	-0.23	-0.08	0.210	0.207	0.200	0.186	
23-24	0.45	0.69	0.44	0.70	0.31	-0.24	0.07	0.0	0.0	0.0	0.0	
TOTAL	10.89	17.73	10.82	18.03	6.46	-6.85	-0.38					

NOV. 15												
SHORTWAVE RADIATION (MJ/M**2)												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.18	0.15	0.01	0.02	0.03	0.01	0.00	0.0	0.05	0.09	0.03	0.0
1-2	0.27	0.21	0.12	0.15	0.05	0.03	0.02	0.01	0.12	0.19	0.06	0.03
2-3	0.29	0.20	0.17	0.17	0.19	0.16	0.11	0.11	0.21	0.16	0.18	0.09
3-4	0.45	0.33	0.30	0.26	0.38	0.30	0.22	0.20	0.41	0.24	0.35	0.17
4-5	0.74	0.55	0.46	0.41	0.63	0.49	0.34	0.31	0.72	0.39	0.58	0.27
5-6	1.12	0.83	0.68	0.60	0.93	0.70	0.50	0.43	1.11	0.60	0.85	0.39
6-7	1.52	1.14	0.91	0.80	1.24	0.91	0.65	0.55	1.53	0.80	1.14	0.51
7-8	1.88	1.41	1.13	0.99	1.53	1.10	0.79	0.65	1.91	0.99	1.41	0.61
8-9	2.20	1.64	1.31	0.99	1.79	1.26	0.91	0.74	2.23	1.16	1.66	0.72
9-10	2.46	1.84	1.44	0.99	1.99	1.39	1.00	0.81	2.47	1.28	1.88	0.81
10-11	2.57	1.93	1.51	0.99	2.08	1.43	1.04	0.83	2.58	1.33	1.99	0.86
11-12	2.68	2.02	1.58	0.99	2.16	1.48	1.08	0.86	2.69	1.38	2.09	0.90
12-13	2.48	1.86	1.44	0.99	2.00	1.36	0.99	0.78	2.48	1.26	1.94	0.82
13-14	2.36	1.77	1.36	0.99	1.92	1.30	0.95	0.75	2.38	1.19	1.86	0.78
14-15	1.98	1.48	1.13	0.99	1.62	1.10	0.80	0.63	2.00	0.99	1.58	0.66
15-16	1.59	1.18	0.89	0.99	1.32	0.89	0.64	0.51	1.61	0.77	1.27	0.52
16-17	1.30	0.97	0.73	0.99	1.08	0.74	0.52	0.42	1.32	0.63	1.04	0.42
17-18	0.88	0.64	0.47	0.99	0.74	0.50	0.35	0.28	0.90	0.41	0.71	0.27
18-19	0.59	0.43	0.31	0.99	0.51	0.34	0.24	0.19	0.61	0.27	0.48	0.18
19-20	0.29	0.20	0.14	0.99	0.25	0.16	0.11	0.09	0.30	0.12	0.24	0.08
20-21	0.20	0.16	0.11	0.99	0.18	0.12	0.08	0.07	0.21	0.09	0.17	0.07
21-22	0.07	0.06	0.03	0.99	0.06	0.04	0.03	0.02	0.08	0.03	0.06	0.01
22-23	0.02	0.02	0.0	0.99	0.03	0.00	0.0	0.00	0.03	0.0	0.03	0.0
23-24	0.17	0.25	0.00	0.99	0.03	0.00	0.0	0.0	0.06	0.0	0.03	0.0
TOTAL	28.30	21.28	16.21	99.99	22.72	15.83	11.37	9.26	27.97	14.38	21.61	9.19

NOV. 15												
LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
HOUR	(SURFACE)		(30M)		(SURFACE)			(30M)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.44	0.68	0.45	0.68	0.16	-0.23	-0.06	0.016	0.016	0.016	0.016	
1-2	0.46	0.68	0.44	0.68	0.22	-0.23	-0.00	0.329	0.326	0.312	0.291	
2-3	0.48	0.69	0.46	0.70	0.09	-0.21	-0.11	0.522	0.498	0.456	0.414	
3-4	0.47	0.69	0.46	0.70	0.07	-0.22	-0.15	0.645	0.586	0.517	0.459	
4-5	0.46	0.70	0.44	0.70	0.11	-0.24	-0.12	0.814	0.710	0.611	0.535	
5-6	0.46	0.72	0.44	0.71	0.20	-0.26	-0.06	0.918	0.777	0.659	0.573	
6-7	0.46	0.74	0.45	0.73	0.28	-0.27	0.00	0.984	0.817	0.685	0.592	
7-8	0.47	0.76	0.45	0.75	0.35	-0.29	0.06	1.007	0.822	0.685	0.591	
8-9	0.46	0.78	0.45	0.77	0.41	-0.31	0.10	1.021	0.827	0.685	0.592	
9-10	0.45	0.80	0.46	0.80	0.47	-0.35	0.12	1.013	0.815	0.675	0.581	
10-11	0.48	0.83	0.48	0.83	0.49	-0.36	0.13	0.927	0.739	0.609	0.526	
11-12	0.49	0.85	0.49	0.85	0.52	-0.36	0.16	0.904	0.721	0.594	0.511	
12-13	0.52	0.85	0.52	0.86	0.48	-0.33	0.15	0.654	0.518	0.427	0.364	
13-14	0.56	0.86	0.55	0.86	0.44	-0.29	0.15	0.497	0.395	0.323	0.277	
14-15	0.58	0.86	0.57	0.84	0.36	-0.28	0.08	0.344	0.274	0.223	0.189	
15-16	0.61	0.85	0.60	0.84	0.28	-0.24	0.04	0.138	0.110	0.089	0.076	
16-17	0.64	0.85	0.63	0.84	0.22	-0.21	0.02	0.079	0.062	0.050	0.042	
17-18	0.69	0.84	0.68	0.83	0.14	-0.15	-0.01	0.004	0.002	0.002	0.001	
18-19	0.74	0.83	0.74	0.83	0.08	-0.09	-0.01	0.0	0.0	0.0	0.0	
19-20	0.79	0.83	0.78	0.82	0.03	-0.04	-0.00	0.0	0.0	0.0	0.0	
20-21	0.79	0.82	0.79	0.82	0.02	-0.04	-0.01	0.0	0.0	0.0	0.0	
21-22	0.78	0.82	0.77	0.81	0.01	-0.04	-0.03	0.0	0.0	0.0	0.0	
22-23	0.70	0.81	0.68	0.80	0.0	-0.11	-0.11	0.0	0.0	0.0	0.0	
23-24	0.64	0.79	0.61	0.79	0.15	-0.15	-0.00	0.0	0.0	0.0	0.0	
TOTAL	13.65	18.94	13.39	18.84	5.58	-5.29	0.29					



SHORTWAVE RADIATION (MJ/M**2)												
NOV. 16	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HOUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.16	0.16	0.02	9.99	0.03	0.01	0.00	0.00	0.04	0.01	0.03	0.0
1-2	0.06	0.06	0.04	9.99	0.06	0.04	0.03	0.02	0.07	0.04	0.06	0.02
2-3	0.11	0.09	0.06	9.99	0.10	0.06	0.05	0.04	0.13	0.06	0.10	0.03
3-4	0.20	0.15	0.09	9.99	0.18	0.11	0.08	0.06	0.21	0.08	0.18	0.05
4-5	0.36	0.26	0.17	9.99	0.33	0.20	0.13	0.10	0.38	0.14	0.31	0.10
5-6	0.61	0.43	0.28	9.99	0.54	0.34	0.22	0.18	0.64	0.24	0.52	0.17
6-7	0.97	0.70	0.49	9.99	0.82	0.55	0.37	0.30	1.01	0.44	0.81	0.31
7-8	1.19	0.83	0.57	9.99	1.02	0.67	0.44	0.35	1.22	0.49	0.99	0.35
8-9	1.48	1.03	0.69	9.99	1.28	0.83	0.55	0.43	1.52	0.60	1.24	0.43
9-10	1.71	1.19	0.80	9.99	1.49	0.96	0.63	0.49	1.75	0.68	1.43	0.49
10-11	1.88	1.30	0.88	9.99	1.64	1.06	0.69	0.54	1.92	0.74	1.57	0.53
11-12	2.06	1.45	1.00	9.99	1.77	1.16	0.77	0.61	2.11	0.86	1.71	0.61
12-13	1.97	1.38	0.94	9.99	1.70	1.10	0.73	0.57	2.00	0.79	1.63	0.56
13-14	1.91	1.33	0.91	9.99	1.65	1.07	0.71	0.56	1.95	0.77	1.58	0.55
14-15	1.67	1.17	0.80	9.99	1.44	0.94	0.63	0.49	1.71	0.69	1.39	0.49
15-16	1.42	1.02	0.72	9.99	1.22	0.80	0.55	0.43	1.46	0.62	1.18	0.44
16-17	1.06	0.74	0.51	9.99	0.92	0.60	0.40	0.32	1.08	0.43	0.88	0.31
17-18	0.86	0.62	0.44	9.99	0.74	0.49	0.34	0.27	0.88	0.38	0.70	0.26
18-19	0.63	0.48	0.34	9.99	0.53	0.36	0.26	0.21	0.65	0.30	0.52	0.21
19-20	0.35	0.27	0.19	9.99	0.30	0.20	0.14	0.11	0.36	0.16	0.29	0.11
20-21	0.18	0.14	0.09	9.99	0.15	0.10	0.07	0.06	0.19	0.09	0.15	0.06
21-22	0.08	0.07	0.05	9.99	0.07	0.04	0.03	0.03	0.09	0.04	0.07	0.02
22-23	0.03	0.04	0.01	9.99	0.04	0.02	0.01	0.01	0.04	0.02	0.04	0.01
23-24	0.0	0.05	0.0	9.99	0.01	0.0	0.0	0.0	0.02	0.0	0.01	0.0
TOTAL	20.98	14.94	10.08	99.99	18.02	11.72	7.83	6.17	21.44	8.66	17.39	6.12

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)														
NOV. 16	(SURFACE)				(30M)			(SURFACE)			(BLANK)			
HOUR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	DOWNWARD	UPWARD	TOTAL	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)
0-1	0.68	0.78	0.63	0.78	0.14	-0.11	0.03	0.14	-0.11	0.03	0.0	0.0	0.0	0.0
1-2	0.70	0.78	0.65	0.78	0.01	-0.08	-0.08	0.01	-0.08	-0.08	0.0	0.0	0.0	0.0
2-3	0.75	0.79	0.73	0.78	0.01	-0.04	-0.03	0.01	-0.04	-0.03	0.0	0.0	0.0	0.0
3-4	0.79	0.80	0.80	0.79	0.02	-0.01	0.01	0.02	-0.01	0.01	0.0	0.0	0.0	0.0
4-5	0.79	0.81	0.79	0.80	0.04	-0.01	0.03	0.04	-0.01	0.03	0.0	0.0	0.0	0.0
5-6	0.80	0.82	0.80	0.81	0.07	-0.02	0.05	0.07	-0.02	0.05	0.0	0.0	0.0	0.0
6-7	0.79	0.82	0.77	0.81	0.14	-0.03	0.12	0.14	-0.03	0.12	0.0	0.0	0.0	0.0
7-8	0.80	0.83	0.79	0.82	0.16	-0.03	0.13	0.16	-0.03	0.13	0.0	0.0	0.0	0.0
8-9	0.80	0.84	0.78	0.84	0.20	-0.04	0.16	0.20	-0.04	0.16	0.0	0.0	0.0	0.0
9-10	0.80	0.85	0.79	0.85	0.22	-0.04	0.18	0.22	-0.04	0.18	0.0	0.0	0.0	0.0
10-11	0.81	0.86	0.78	0.87	0.25	-0.05	0.20	0.25	-0.05	0.20	0.0	0.0	0.0	0.0
11-12	0.80	0.87	0.78	0.88	0.29	-0.07	0.22	0.29	-0.07	0.22	0.002	0.001	0.000	0.0
12-13	0.82	0.87	0.80	0.88	0.27	-0.05	0.21	0.27	-0.05	0.21	0.0	0.0	0.0	0.0
13-14	0.82	0.87	0.81	0.88	0.26	-0.05	0.21	0.26	-0.05	0.21	0.0	0.0	0.0	0.0
14-15	0.82	0.86	0.81	0.87	0.23	-0.04	0.19	0.23	-0.04	0.19	0.0	0.0	0.0	0.0
15-16	0.82	0.86	0.80	0.86	0.21	-0.04	0.17	0.21	-0.04	0.17	0.001	0.000	0.0	0.0
16-17	0.83	0.86	0.82	0.85	0.14	-0.03	0.11	0.14	-0.03	0.11	0.000	0.0	0.0	0.0
17-18	0.79	0.85	0.77	0.85	0.12	-0.06	0.06	0.12	-0.06	0.06	0.000	0.000	0.0	0.0
18-19	0.74	0.84	0.72	0.83	0.10	-0.09	0.01	0.10	-0.09	0.01	0.002	0.001	0.001	0.000
19-20	0.72	0.83	0.70	0.82	0.05	-0.10	-0.05	0.05	-0.10	-0.05	0.0	0.0	0.0	0.0
20-21	0.72	0.82	0.70	0.81	0.02	-0.10	-0.08	0.02	-0.10	-0.08	0.0	0.0	0.0	0.0
21-22	0.68	0.81	0.65	0.81	0.01	-0.13	-0.12	0.01	-0.13	-0.12	0.0	0.0	0.0	0.0
22-23	0.72	0.80	0.71	0.80	0.0	-0.08	-0.08	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0
23-24	0.72	0.80	0.71	0.79	0.0	-0.08	-0.08	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0
TOTAL	18.51	19.90	18.09	19.85	2.97	-1.39	1.58	2.97	-1.39	1.58	0.0	0.0	0.0	0.0

SHORTWAVE RADIATION (MJ/M**2)												
NOV. 17	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HOUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.00	0.02	0.0	9.99	0.02	0.0	0.0	0.0	0.02	0.0	0.02	0.0
1-2	0.04	0.04	0.02	9.99	0.04	0.02	0.01	0.01	0.05	0.02	0.04	0.01
2-3	0.20*	0.16	0.12	9.99	0.16	0.12	0.09	0.08	0.19	0.11	0.16	0.08
3-4	0.43*	0.33	0.27	9.99	0.36	0.28	0.20	0.18	0.40	0.24	0.35	0.17
4-5	0.64*	0.46	0.37	9.99	0.53	0.40	0.28	0.25	0.61	0.33	0.50	0.23
5-6	1.16*	0.83	0.66	9.99	0.94	0.70	0.50	0.43	1.10	0.59	0.86	0.39
6-7	1.57*	1.13	0.90	9.99	1.25	0.92	0.65	0.55	1.52	0.80	1.15	0.51
7-8	1.94*	1.41	1.11	9.99	1.54	1.10	0.79	0.65	1.91	0.99	1.42	0.62
8-9	2.25*	1.66	1.30	9.99	1.81	1.28	0.91	0.75	2.25	1.16	1.69	0.73
9-10	2.53	1.89	1.47	9.99	2.05	1.43	1.04	0.83	2.53	1.31	1.94	0.84
10-11	2.19	1.64	1.25	9.99	1.78	1.22	0.87	0.70	2.22	1.10	1.72	0.72
11-12	2.37	1.77	1.34	9.99	1.93	1.31	0.94	0.74	2.40	1.17	1.86	0.77
12-13	2.60	1.96	1.50	9.99	2.11	1.42	1.04	0.81	2.61	1.31	2.05	0.86
13-14	2.46	1.86	1.43	9.99	1.98	1.33	0.99	0.77	2.48	1.26	1.97	0.83
14-15	2.24	1.69	1.31	9.99	1.79	1.21	0.90	0.69	2.26	1.14	1.79	0.77
15-16	2.05	1.56	1.21	9.99	1.63	1.10	0.83	0.64	2.04	1.05	1.64	0.72
16-17	1.72	1.31	1.02	9.99	1.38	0.94	0.71	0.55	1.72	0.89	1.39	0.62
17-18	1.33	1.00	0.79	9.99	1.07	0.74	0.56	0.44	1.35	0.71	1.10	0.50
18-19	0.96	0.71	0.57	9.99	0.77	0.54	0.41	0.33	1.00	0.53	0.80	0.37
19-20	0.60	0.44	0.36	9.99	0.50	0.36	0.27	0.23	0.49	0.25	0.54	0.26
20-21	0.35	0.25	0.21	9.99	0.29	0.22	0.15	0.14	0.38	0.20	0.32	0.17
21-22	0.20	0.12	0.10	9.99	0.14	0.11	0.08	0.07	0.20	0.11	0.16	0.09
22-23	0.12	0.11	0.06	9.99	0.06	0.04	0.03	0.03	0.12	0.09	0.08	0.04
23-24	0.03	0.04	0.03	9.99	0.03	0.03	0.03	0.02	0.05	0.03	0.04	0.03
TOTAL	30.00	22.41	17.41	99.99	24.15	16.81	12.27	9.91	29.92	15.37	23.58	10.32

LONGWAVE RADIATION (MJ/M**2)												
NOV. 17	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL					
0-1	0.70	0.79	0.68	0.79	0.0	-0.10	-0.10	0.0	0.0	0.0	0.0	
1-2	0.62	0.78	0.60	0.78	0.00	-0.16	-0.16	0.000	0.000	0.000	0.000	
2-3	0.61	0.77	0.59	0.76	0.04	-0.16	-0.12	0.072	0.067	0.062	0.057	
3-4	0.59	0.76	0.57	0.76	0.08	-0.17	-0.09	0.287	0.258	0.226	0.202	
4-5	0.53	0.76	0.49	0.75	0.11	-0.23	-0.12	0.405	0.355	0.299	0.267	
5-6	0.50	0.76	0.47	0.75	0.22	-0.26	-0.03	0.765	0.641	0.545	0.473	
6-7	0.50	0.77	0.48	0.76	0.32	-0.26	0.05	0.854	0.706	0.589	0.504	
7-8	0.51	0.78	0.48	0.78	0.40	-0.27	0.13	0.908	0.734	0.607	0.527	
8-9	0.50	0.79	0.48	0.80	0.44	-0.29	0.15	0.963	0.773	0.637	0.551	
9-10	0.52	0.82	0.50	0.82	0.48	-0.31	0.17	0.920	0.733	0.604	0.519	
10-11	0.56	0.83	0.55	0.83	0.41	-0.26	0.15	0.426	0.334	0.272	0.230	
11-12	0.62	0.84	0.61	0.84	0.45	-0.22	0.23	0.274	0.215	0.176	0.149	
12-13	0.60	0.85	0.59	0.86	0.49	-0.25	0.24	0.585	0.462	0.386	0.330	
13-14	0.60	0.86	0.59	0.86	0.48	-0.26	0.21	0.663	0.519	0.421	0.361	
14-15	0.57	0.85	0.57	0.86	0.45	-0.28	0.17	0.757	0.599	0.494	0.427	
15-16	0.54	0.85	0.53	0.86	0.42	-0.32	0.10	0.955	0.770	0.636	0.547	
16-17	0.53	0.85	0.53	0.85	0.34	-0.31	0.03	0.984	0.800	0.666	0.573	
17-18	0.53	0.84	0.52	0.83	0.26	-0.31	-0.05	0.949	0.784	0.657	0.567	
18-19	0.51	0.82	0.51	0.81	0.19	-0.31	-0.12	0.879	0.744	0.629	0.544	
19-20	0.52	0.80	0.51	0.80	0.11	-0.29	-0.18	0.768	0.671	0.579	0.507	
20-21	0.52	0.79	0.51	0.78	0.07	-0.26	-0.20	0.640	0.582	0.516	0.459	
21-22	0.52	0.77	0.51	0.77	0.06	-0.25	-0.19	0.456	0.434	0.402	0.364	
22-23	0.53	0.76	0.51	0.76	0.05	-0.23	-0.18	0.209	0.203	0.194	0.180	
23-24	0.53	0.75	0.51	0.75	0.00	-0.22	-0.22	0.002	0.002	0.002	0.002	
TOTAL	13.27	19.25	12.86	19.21	5.86	-5.98	-0.12					

SHORTWAVE RADIATION (MJ/M**2)													
NOV. 18													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.03	0.03	0.02	9.99	0.03	0.03	0.02	0.01	0.05	0.03	0.03	0.01	
1-2	0.07	0.06	0.04	9.99	0.06	0.04	0.03	0.03	0.08	0.04	0.07	0.03	
2-3	0.24	0.19	0.15	9.99	0.18	0.13	0.10	0.09	0.21	0.13	0.19	0.09	
3-4	0.43	0.32	0.25	9.99	0.34	0.26	0.18	0.16	0.39	0.23	0.34	0.16	
4-5	0.73	0.52	0.42	9.99	0.59	0.44	0.31	0.27	0.69	0.37	0.56	0.25	
5-6	1.18	0.84	0.67	9.99	0.94	0.71	0.50	0.43	1.11	0.59	0.86	0.38	
6-7	1.30	0.94	0.73	9.99	1.06	0.76	0.53	0.45	1.26	0.64	0.97	0.41	
7-8	1.51	1.12	0.85	9.99	1.25	0.87	0.61	0.50	1.53	0.75	1.17	0.47	
8-9	1.92	1.42	1.08	9.99	1.59	1.10	0.77	0.63	1.94	0.94	1.49	0.60	
9-10	2.14	1.59	1.20	9.99	1.77	1.21	0.86	0.69	2.17	1.05	1.67	0.68	
10-11	2.60	1.95	1.49	9.99	2.12	1.45	1.04	0.83	2.61	1.30	2.03	0.85	
11-12	2.52	1.88	1.43	9.99	2.05	1.39	1.00	0.79	2.53	1.24	1.98	0.81	
12-13	2.18	1.61	1.20	9.99	1.79	1.19	0.85	0.67	2.21	1.04	1.73	0.68	
13-14	2.04	1.49	1.07	9.99	1.69	1.12	0.78	0.62	2.06	0.92	1.62	0.61	
14-15	1.61	1.15	0.82	9.99	1.36	0.89	0.61	0.48	1.63	0.70	1.29	0.47	
15-16	1.36	0.96	0.66	9.99	1.17	0.76	0.51	0.40	1.38	0.56	1.10	0.38	
16-17	1.04	0.72	0.48	9.99	0.91	0.57	0.38	0.30	1.06	0.40	0.86	0.28	
17-18	0.75	0.51	0.34	9.99	0.66	0.41	0.27	0.21	0.76	0.28	0.62	0.20	
18-19	0.52	0.37	0.24	9.99	0.46	0.29	0.19	0.15	0.53	0.20	0.43	0.14	
19-20	0.29	0.21	0.14	9.99	0.25	0.16	0.11	0.08	0.30	0.11	0.24	0.08	
20-21	0.17	0.12	0.08	9.99	0.14	0.09	0.06	0.05	0.17	0.07	0.14	0.04	
21-22	0.09	0.08	0.05	9.99	0.08	0.05	0.03	0.03	0.10	0.05	0.08	0.03	
22-23	0.04	0.04	0.01	9.99	0.04	0.02	0.01	0.01	0.04	0.01	0.04	0.01	
23-24	0.00	0.03	0.0	9.99	0.03	0.0	0.0	0.0	0.03	0.0	0.03	0.0	
TOTAL	24.75	18.15	13.41	99.99	20.57	13.93	9.74	7.86	24.85	11.64	19.54	7.67	

LONGWAVE RADIATION (MJ/M**2)													
NOV. 18													
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.55	0.74	0.53	0.74	0.00	-0.19	-0.19	0.0	0.0	0.0	0.0		
1-2	0.55	0.74	0.52	0.74	0.01	-0.19	-0.19	0.012	0.011	0.011	0.009		
2-3	0.56	0.74	0.53	0.74	0.06	-0.18	-0.13	0.132	0.124	0.114	0.101		
3-4	0.55	0.75	0.51	0.74	0.08	-0.19	-0.11	0.275	0.249	0.217	0.188		
4-5	0.54	0.75	0.51	0.75	0.14	-0.21	-0.07	0.445	0.385	0.328	0.282		
5-6	0.53	0.76	0.51	0.76	0.24	-0.23	0.00	0.728	0.608	0.511	0.445		
6-7	0.56	0.78	0.54	0.78	0.24	-0.22	0.02	0.511	0.418	0.347	0.295		
7-8	0.61	0.80	0.60	0.80	0.26	-0.19	0.07	0.253	0.205	0.168	0.140		
8-9	0.63	0.82	0.62	0.82	0.33	-0.19	0.13	0.311	0.240	0.195	0.171		
9-10	0.66	0.84	0.54	0.84	0.37	-0.18	0.19	0.326	0.259	0.213	0.181		
10-11	0.61	0.87	0.60	0.86	0.48	-0.26	0.21	0.627	0.498	0.408	0.350		
11-12	0.64	0.88	0.63	0.87	0.47	-0.24	0.23	0.493	0.386	0.316	0.271		
12-13	0.70	0.88	0.70	0.87	0.39	-0.17	0.22	0.188	0.146	0.115	0.095		
13-14	0.77	0.98	0.77	0.88	0.35	-0.11	0.24	0.008	0.004	0.003	0.002		
14-15	0.79	0.87	0.78	0.88	0.25	-0.08	0.18	0.0	0.0	0.0	0.0		
15-16	0.81	0.87	0.80	0.88	0.19	-0.06	0.13	0.0	0.0	0.0	0.0		
16-17	0.82	0.87	0.82	0.88	0.13	-0.05	0.08	0.0	0.0	0.0	0.0		
17-18	0.82	0.87	0.82	0.87	0.09	-0.05	0.04	0.0	0.0	0.0	0.0		
18-19	0.82	0.87	0.81	0.87	0.07	-0.05	0.02	0.0	0.0	0.0	0.0		
19-20	0.81	0.87	0.80	0.86	0.04	-0.05	-0.02	0.0	0.0	0.0	0.0		
20-21	0.81	0.86	0.80	0.86	0.02	-0.05	-0.03	0.0	0.0	0.0	0.0		
21-22	0.68	0.84	0.66	0.85	0.01	-0.17	-0.16	0.021	0.021	0.020	0.019		
22-23	0.59	0.81	0.58	0.82	0.00	-0.22	-0.22	0.042	0.040	0.038	0.035		
23-24	0.64	0.82	0.63	0.82	0.0	-0.17	-0.17	0.0	0.0	0.0	0.0		
TOTAL	16.05	19.77	15.71	19.78	4.21	-3.71	0.49						

NOV. 19 : SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.02	0.03	0.01	9.99	0.03	0.01	0.01	0.01	0.04	0.01	0.03	0.01	
1-2	0.12	0.10	0.07	9.99	0.10	0.07	0.06	0.05	0.12	0.07	0.10	0.05	
2-3	0.18	0.15	0.11	9.99	0.15	0.10	0.08	0.07	0.18	0.10	0.15	0.07	
3-4	0.27	0.20	0.14	9.99	0.23	0.15	0.11	0.09	0.27	0.13	0.22	0.08	
4-5	0.59	0.46	0.34	9.99	0.50	0.35	0.25	0.21	0.60	0.30	0.48	0.20	
5-6	1.11	0.84	0.65	9.99	0.92	0.66	0.46	0.40	1.12	0.57	0.86	0.37	
6-7	1.52	1.15	0.89	9.99	1.26	0.90	0.63	0.53	1.53	0.78	1.17	0.50	
7-8	1.47	1.09	0.82	9.99	1.22	0.84	0.58	0.48	1.49	0.72	1.15	0.46	
8-9	1.98	1.48	1.12	9.99	1.63	1.12	0.79	0.64	2.02	0.98	1.54	0.63	
9-10	2.42	1.80	1.35	9.99	1.99	1.36	0.96	0.77	2.44	1.18	1.89	0.76	
10-11	2.42	1.80	1.35	9.99	1.98	1.34	0.95	0.76	2.44	1.17	1.88	0.76	
11-12	2.68	2.01	1.52	9.99	2.18	1.47	1.06	0.84	2.70	1.33	2.10	0.86	
12-13	2.72	2.04	1.57	9.99	2.18	1.46	1.07	0.84	2.71	1.37	2.11	0.88	
13-14	2.32	1.75	1.35	9.99	1.86	1.23	0.91	0.71	2.33	1.19	1.84	0.77	
14-15	2.03	1.52	1.16	9.99	1.65	1.09	0.80	0.63	2.06	1.02	1.63	0.68	
15-16	2.00	1.51	1.13	9.99	1.63	1.10	0.80	0.63	2.03	0.98	1.59	0.65	
16-17	1.40	1.05	0.79	9.99	1.15	0.77	0.55	0.44	1.40	0.67	1.11	0.45	
17-18	1.28	0.97	0.75	9.99	1.04	0.72	0.53	0.43	1.28	0.65	1.05	0.46	
18-19	0.89	0.68	0.52	9.99	0.72	0.50	0.37	0.30	0.89	0.45	0.71	0.31	
19-20	0.39	0.29	0.21	9.99	0.33	0.22	0.15	0.12	0.40	0.18	0.31	0.12	
20-21	0.20	0.15	0.10	9.99	0.17	0.11	0.08	0.06	0.20	0.08	0.16	0.06	
21-22	0.08	0.06	0.04	9.99	0.08	0.04	0.03	0.03	0.09	0.03	0.07	0.02	
22-23	0.03	0.03	0.01	9.99	0.03	0.02	0.00	0.0	0.04	0.00	0.03	0.0	
23-24	0.0	0.00	0.0	9.99	0.03	0.0	0.0	0.0	0.03	0.0	0.03	0.0	
TOTAL	28.10	21.17	15.98	99.99	23.05	15.63	11.22	9.03	28.41	13.99	22.22	9.14	

NOV. 19 : LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)															
HOUR	(SURFACE)				(30M)				(SURFACE)			(BLANK)			
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(530)	(630)	(695)	
0-1	0.62	0.81	0.61	0.81	0.0	-0.19	-0.19	0.003	0.003	0.003	0.003	0.003	0.003		
1-2	0.71	0.81	0.70	0.81	0.02	-0.10	-0.08	0.061	0.059	0.055	0.055	0.055	0.050		
2-3	0.73	0.82	0.72	0.81	0.03	-0.09	-0.06	0.084	0.078	0.071	0.064	0.064	0.064		
3-4	0.70	0.82	0.69	0.82	0.04	-0.12	-0.08	0.002	0.001	0.001	0.001	0.001	0.001		
4-5	0.66	0.82	0.66	0.82	0.09	-0.16	-0.07	0.066	0.056	0.048	0.041	0.041	0.041		
5-6	0.63	0.83	0.62	0.83	0.19	-0.20	-0.01	0.267	0.222	0.187	0.161	0.161	0.161		
6-7	0.62	0.84	0.60	0.84	0.25	-0.22	0.04	0.471	0.381	0.317	0.273	0.273	0.273		
7-8	0.65	0.84	0.64	0.85	0.25	-0.19	0.06	0.168	0.133	0.108	0.091	0.091	0.091		
8-9	0.65	0.86	0.63	0.86	0.35	-0.21	0.14	0.240	0.189	0.153	0.131	0.131	0.131		
9-10	0.66	0.88	0.65	0.88	0.43	-0.22	0.21	0.368	0.293	0.239	0.206	0.206	0.206		
10-11	0.65	0.89	0.64	0.89	0.44	-0.24	0.20	0.256	0.200	0.161	0.136	0.136	0.136		
11-12	0.63	0.90	0.63	0.90	0.50	-0.27	0.23	0.524	0.411	0.338	0.287	0.287	0.287		
12-13	0.59	0.91	0.59	0.91	0.53	-0.32	0.21	0.768	0.607	0.501	0.432	0.432	0.432		
13-14	0.56	0.90	0.56	0.91	0.46	-0.35	0.12	0.844	0.674	0.557	0.477	0.477	0.477		
14-15	0.64	0.90	0.64	0.91	0.39	-0.26	0.13	0.478	0.374	0.302	0.263	0.263	0.263		
15-16	0.75	0.91	0.75	0.91	0.37	-0.16	0.21	0.122	0.100	0.071	0.050	0.050	0.050		
16-17	0.73	0.90	0.72	0.90	0.26	-0.17	0.08	0.074	0.052	0.038	0.030	0.030	0.030		
17-18	0.66	0.90	0.65	0.90	0.23	-0.24	-0.00	0.477	0.399	0.337	0.287	0.287	0.287		
18-19	0.67	0.89	0.65	0.89	0.17	-0.22	-0.05	0.205	0.167	0.138	0.119	0.119	0.119		
19-20	0.72	0.87	0.71	0.87	0.06	-0.15	-0.09	0.0	0.0	0.0	0.0	0.0	0.0		
20-21	0.73	0.86	0.73	0.86	0.02	-0.13	-0.11	0.0	0.0	0.0	0.0	0.0	0.0		
21-22	0.75	0.85	0.75	0.85	0.00	-0.10	-0.09	0.0	0.0	0.0	0.0	0.0	0.0		
22-23	0.76	0.85	0.76	0.84	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	0.0		
23-24	0.76	0.84	0.76	0.84	0.0	-0.08	-0.08	0.0	0.0	0.0	0.0	0.0	0.0		
TOTAL	16.23	20.71	16.03	20.71	5.09	-4.48	0.62								

NOV. 20													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.01	0.02	0.00	9.99	0.03	0.00	0.0	0.0	0.03	0.0	0.03	0.0	
1-2	0.05	0.04	0.02	9.99	0.04	0.03	0.02	0.01	0.06	0.02	0.04	0.01	
2-3	0.13	0.10	0.07	9.99	0.11	0.07	0.05	0.04	0.14	0.07	0.11	0.04	
3-4	0.23	0.17	0.12	9.99	0.20	0.13	0.09	0.08	0.24	0.11	0.19	0.07	
4-5	0.58	0.44	0.34	9.99	0.50	0.36	0.25	0.22	0.58	0.30	0.46	0.20	
5-6	1.00	0.75	0.60	9.99	0.85	0.62	0.44	0.36	1.00	0.53	0.78	0.34	
6-7	1.50	1.13	0.89	9.99	1.26	0.91	0.64	0.55	1.51	0.79	1.13	0.49	
7-8	1.92	1.44	1.14	9.99	1.59	1.13	0.80	0.67	1.95	1.01	1.44	0.62	
8-9	2.25	1.68	1.32	9.99	1.84	1.28	0.91	0.75	2.28	1.18	1.69	0.72	
9-10	2.51	1.88	1.46	9.99	2.05	1.41	1.01	0.82	2.53	1.30	1.91	0.81	
10-11	2.71	2.04	1.58	9.99	2.19	1.49	1.08	0.86	2.71	1.41	2.08	0.88	
11-12	2.76	2.07	1.62	1.41	2.22	1.49	1.09	0.86	2.76	9.99	2.13	0.89	
12-13	2.77	2.08	1.62	1.42	2.21	1.47	1.09	0.85	2.77	9.99	2.15	0.90	
13-14	2.63	1.98	1.55	1.35	2.10	1.40	1.04	0.81	2.64	9.99	2.06	0.87	
14-15	2.42	1.82	1.41	1.24	1.93	1.28	0.96	0.75	2.41	9.99	1.91	0.82	
15-16	2.11	1.60	1.26	1.10	1.69	1.13	0.86	0.67	2.11	9.99	1.68	0.74	
16-17	1.54	1.16	0.90	0.80	1.24	0.83	0.63	0.49	1.55	9.99	1.24	0.54	
17-18	1.03	0.77	0.59	0.52	0.85	0.57	0.42	0.33	1.04	9.99	0.83	0.35	
18-19	0.68	0.50	0.38	0.33	0.56	0.38	0.27	0.22	0.69	9.99	0.55	0.22	
19-20	0.50	0.37	0.29	0.25	0.42	0.29	0.21	0.17	0.50	9.99	0.41	0.17	
20-21	0.23	0.16	0.12	0.10	0.19	0.12	0.09	0.07	0.23	9.99	0.19	0.07	
21-22	0.12	0.09	0.07	0.05	0.11	0.07	0.05	0.04	0.13	9.99	0.11	0.04	
22-23	0.06	0.04	0.03	0.02	0.05	0.03	0.02	0.02	0.06	9.99	0.05	0.02	
23-24	0.41	0.35	0.17	0.27	0.05	0.04	0.03	0.03	0.14	9.99	0.07	0.04	
TOTAL	30.12	22.69	17.57	99.99	24.28	16.53	12.06	9.70	30.06	99.99	23.25	9.85	

NOV. 20													
LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.73	0.83	0.73	0.83	0.0	-0.10	-0.10	0.015	0.014	0.014	0.013		
1-2	0.72	0.83	0.71	0.82	0.00	-0.11	-0.11	0.009	0.008	0.008	0.007		
2-3	0.68	0.82	0.67	0.82	0.02	-0.14	-0.12	0.0	0.0	0.0	0.0		
3-4	0.65	0.82	0.64	0.81	0.03	-0.17	-0.14	0.006	0.005	0.004	0.004		
4-5	0.60	0.82	0.58	0.81	0.08	-0.22	-0.14	0.211	0.180	0.153	0.133		
5-6	0.54	0.82	0.53	0.82	0.15	-0.27	-0.13	0.600	0.503	0.424	0.367		
6-7	0.52	0.83	0.51	0.82	0.24	-0.31	-0.06	0.899	0.739	0.618	0.536		
7-8	0.53	0.85	0.52	0.84	0.33	-0.32	0.01	1.014	0.823	0.685	0.590		
8-9	0.53	0.87	0.51	0.86	0.40	-0.34	0.06	1.047	0.843	0.698	0.600		
9-10	0.52	0.88	0.51	0.88	0.46	-0.36	0.11	1.071	0.857	0.708	0.609		
10-11	0.52	0.91	0.52	0.91	0.52	-0.39	0.13	1.076	0.858	0.709	0.607		
11-12	0.53	0.92	0.54	0.92	0.54	-0.39	0.15	1.057	0.841	0.693	0.597		
12-13	0.54	0.91	0.53	0.93	0.56	-0.37	0.19	1.087	0.867	0.715	0.615		
13-14	0.53	0.91	0.53	0.93	0.53	-0.38	0.15	1.083	0.863	0.715	0.612		
14-15	0.53	0.92	0.54	0.93	0.49	-0.39	0.10	1.070	0.858	0.709	0.612		
15-16	0.55	0.91	0.55	0.93	0.42	-0.36	0.06	1.022	0.823	0.682	0.586		
16-17	0.57	0.90	0.57	0.91	0.30	-0.33	-0.03	0.631	0.510	0.421	0.363		
17-18	0.62	0.88	0.62	0.89	0.18	-0.25	-0.07	0.233	0.191	0.159	0.136		
18-19	0.67	0.86	0.66	0.87	0.12	-0.19	-0.07	0.061	0.051	0.043	0.037		
19-20	0.68	0.85	0.67	0.86	0.08	-0.17	-0.09	0.113	0.096	0.080	0.070		
20-21	0.70	0.84	0.69	0.85	0.03	-0.14	-0.11	0.0	0.0	0.0	0.0		
21-22	0.64	0.81	0.64	0.82	0.01	-0.17	-0.16	0.0	0.0	0.0	0.0		
22-23	0.63	0.79	0.62	0.81	0.00	-0.16	-0.16	0.006	0.005	0.005	0.004		
23-24	0.70	0.81	0.69	0.81	0.35	-0.11	0.24	0.202	0.202	0.197	0.185		
TOTAL	14.43	20.58	14.30	20.67	5.86	-6.15	-0.29						

		SHORTWAVE RADIATION (MJ/M**2)											
NOV. 21		GLOBAL(SURFACE)				REFLECTED(SURFACE)				GLOBAL(30M)		REFLECTED(30M)	
HR		(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1		0.40	0.34	0.17	0.25	0.06	0.04	0.03	0.03	0.14	9.99	0.08	0.04
1-2		0.09	0.07	0.05	0.04	0.07	0.05	0.04	0.03	0.10	9.99	0.07	0.03
2-3		0.19	0.14	0.10	0.09	0.16	0.11	0.08	0.07	0.19	9.99	0.15	0.06
3-4		0.29	0.21	0.14	0.11	0.25	0.17	0.11	0.09	0.30	9.99	0.24	0.09
4-5		0.45	0.31	0.22	0.16	0.39	0.25	0.17	0.14	0.46	9.99	0.37	0.13
5-6		0.79	0.57	0.41	0.33	0.67	0.45	0.32	0.26	0.80	9.99	0.63	0.24
6-7		1.02	0.72	0.51	0.41	0.88	0.59	0.40	0.33	1.03	9.99	0.82	0.30
7-8		1.20	0.84	0.59	0.48	1.03	0.68	0.46	0.37	1.21	9.99	0.97	0.35
8-9		1.52	1.05	0.73	0.58	1.32	0.86	0.57	0.45	1.54	9.99	1.24	0.43
9-10		1.81	1.27	0.89	0.72	1.56	1.03	0.69	0.55	1.84	9.99	1.48	0.53
10-11		1.91	1.29	0.87	0.67	1.69	1.08	0.71	0.55	1.93	9.99	1.59	0.52
11-12		2.21	1.56	1.09	0.87	1.90	1.24	0.85	0.69	2.23	9.99	1.82	0.66
12-13		2.13	1.48	1.04	9.99	1.84	1.20	0.81	0.64	2.16	9.99	1.75	0.62
13-14		2.19	1.56	1.10	9.99	1.87	1.23	0.85	0.67	2.22	9.99	1.79	0.65
14-15		1.82	1.30	0.91	9.99	1.56	1.03	0.70	0.56	1.85	9.99	1.49	0.54
15-16		1.56	1.12	0.79	9.99	1.34	0.88	0.61	0.48	1.58	9.99	1.27	0.47
16-17		1.17	0.82	0.57	9.99	1.02	0.67	0.45	0.36	1.18	9.99	0.96	0.34
17-18		0.81	0.57	0.39	9.99	0.72	0.47	0.32	0.25	0.83	9.99	0.68	0.24
18-19		0.65	0.47	0.33	9.99	0.57	0.38	0.26	0.21	0.66	9.99	0.54	0.20
19-20		0.40	0.28	0.19	9.99	0.35	0.23	0.16	0.12	0.41	9.99	0.33	0.11
20-21		0.18	0.13	0.08	9.99	0.16	0.10	0.07	0.06	0.19	9.99	0.16	0.05
21-22		0.09	0.07	0.04	9.99	0.08	0.05	0.03	0.03	0.10	9.99	0.08	0.03
22-23		0.04	0.03	0.02	9.99	0.04	0.02	0.01	0.00	0.05	9.99	0.04	0.00
23-24		0.03	0.03	0.0	9.99	0.03	0.00	0.0	0.0	0.03	9.99	0.03	0.0
TOTAL		22.93	16.23	11.24	99.99	19.58	12.79	8.71	6.95	23.06	99.99	18.61	6.63

		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
NOV. 21		(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)
HR		DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL				
0-1		0.78	0.82	0.77	0.82	0.35	-0.04	0.31	0.217	0.214	0.206	0.191
1-2		0.78	0.82	0.78	0.82	0.02	-0.04	-0.02	0.0	0.0	0.0	0.0
2-3		0.80	0.83	0.79	0.83	0.03	-0.03	-0.00	0.0	0.0	0.0	0.0
3-4		0.82	0.84	0.82	0.83	0.04	-0.01	0.02	0.0	0.0	0.0	0.0
4-5		0.83	0.84	0.82	0.84	0.05	-0.02	0.04	0.0	0.0	0.0	0.0
5-6		0.80	0.86	0.80	0.85	0.11	-0.05	0.06	0.003	0.001	0.001	0.001
6-7		0.82	0.86	0.81	0.86	0.14	-0.04	0.10	0.003	0.001	0.000	0.0
7-8		0.83	0.87	0.82	0.87	0.16	-0.04	0.13	0.000	0.0	0.0	0.0
8-9		0.84	0.88	0.84	0.88	0.20	-0.04	0.16	0.001	0.001	0.000	0.000
9-10		0.84	0.89	0.83	0.89	0.25	-0.05	0.20	0.009	0.006	0.004	0.004
10-11		0.85	0.90	0.85	0.90	0.22	-0.05	0.17	0.0	0.0	0.0	0.0
11-12		0.83	0.93	0.84	0.92	0.31	-0.10	0.21	0.017	0.012	0.008	0.006
12-13		0.86	0.93	0.86	0.92	0.29	-0.07	0.22	0.006	0.003	0.001	0.001
13-14		0.85	0.94	0.84	0.93	0.32	-0.09	0.23	0.018	0.013	0.010	0.007
14-15		0.85	0.93	0.85	0.92	0.26	-0.07	0.19	0.010	0.006	0.004	0.003
15-16		0.84	0.93	0.83	0.92	0.23	-0.09	0.14	0.011	0.007	0.005	0.003
16-17		0.87	0.92	0.86	0.91	0.15	-0.05	0.10	0.001	0.001	0.000	0.000
17-18		0.88	0.92	0.88	0.91	0.10	-0.03	0.06	0.0	0.0	0.0	0.0
18-19		0.87	0.91	0.86	0.90	0.08	-0.04	0.04	0.0	0.0	0.0	0.0
19-20		0.88	0.90	0.87	0.90	0.04	-0.02	0.02	0.0	0.0	0.0	0.0
20-21		0.87	0.90	0.86	0.89	0.02	-0.02	-0.01	0.0	0.0	0.0	0.0
21-22		0.87	0.89	0.86	0.88	0.00	-0.02	-0.02	0.0	0.0	0.0	0.0
22-23		0.84	0.89	0.83	0.88	0.0	-0.05	-0.05	0.0	0.0	0.0	0.0
23-24		0.85	0.88	0.84	0.87	0.00	-0.03	-0.03	0.0	0.0	0.0	0.0
TOTAL		20.18	21.26	20.04	21.13	3.35	-1.09	2.26				

NOV. 22	SHORTWAVE RADIATION (MJ/M**2)												
	HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
		(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.03	0.03	0.0	9.99	0.03	0.01	0.0	0.0	0.03	9.99	0.03	0.0	
1-2	0.05	0.04	0.02	9.99	0.05	0.03	0.02	0.01	0.06	9.99	0.05	0.01	
2-3	0.09	0.07	0.03	9.99	0.09	0.05	0.03	0.03	0.10	9.99	0.09	0.03	
3-4	0.20	0.14	0.09	9.99	0.18	0.10	0.07	0.06	0.20	9.99	0.17	0.05	
4-5	0.48	0.35	0.24	9.99	0.42	0.28	0.19	0.16	0.49	9.99	0.40	0.14	
5-6	0.84	0.61	0.43	9.99	0.73	0.49	0.34	0.27	0.85	9.99	0.68	0.25	
6-7	1.27	0.94	0.68	9.99	1.09	0.75	0.52	0.43	1.30	9.99	1.02	0.40	
7-8	1.79	1.33	1.00	9.99	1.54	1.07	0.76	0.62	1.82	9.99	1.42	0.57	
8-9	2.18	1.63	1.26	9.99	1.87	1.30	0.94	0.78	2.22	9.99	1.70	0.71	
9-10	2.60	1.95	1.50	9.99	2.18	1.54	1.10	0.93	2.63	9.99	2.02	0.86	
10-11	2.73	2.05	1.58	9.99	2.25	1.57	1.14	0.94	2.75	9.99	2.15	0.91	
11-12	2.81	2.11	1.62	9.99	2.28	1.57	1.15	0.94	2.82	9.99	2.21	0.92	
12-13	2.76	2.07	1.61	9.99	2.20	1.51	1.11	0.91	2.77	9.99	2.19	0.92	
13-14	2.65	1.98	1.54	1.31	2.08	1.43	1.04	0.86	2.65	9.99	2.11	0.89	
14-15	2.44	1.83	1.42	1.22	1.92	1.32	0.97	0.80	2.43	9.99	1.95	0.83	
15-16	2.15	1.62	1.26	1.09	1.70	1.19	0.87	0.72	2.15	9.99	1.73	0.75	
16-17	1.81	1.37	1.07	0.93	1.44	1.02	0.74	0.63	1.82	9.99	1.47	0.66	
17-18	1.43	1.08	0.85	0.74	1.15	0.83	0.60	0.51	1.46	9.99	1.18	0.54	
18-19	1.06	0.78	0.63	0.54	0.87	0.63	0.46	0.41	1.09	9.99	0.88	0.41	
19-20	0.69	0.50	0.42	0.36	0.62	0.46	0.34	0.30	0.58	9.99	0.61	0.29	
20-21	0.42	0.28	0.25	0.20	0.40	0.31	0.23	0.21	0.43	9.99	0.38	0.19	
21-22	0.23	0.13	0.13	0.06	0.23	0.19	0.14	0.13	0.26	9.99	0.20	0.11	
22-23	0.11	0.06	0.06	0.0	0.11	0.08	0.07	0.06	0.12	9.99	0.10	0.06	
23-24	0.04	0.04	0.03	0.0	0.06	0.03	0.03	0.03	0.07	9.99	0.06	0.03	
TOTAL	30.85	22.98	17.72	99.99	25.49	17.75	12.85	10.72	31.09	99.99	24.80	10.52	

NOV. 22	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL				
0-1	0.85	0.88	0.84	0.87	0.00	-0.02	-0.02	0.0	0.0	0.0	0.0
1-2	0.85	0.87	0.84	0.87	0.0	-0.02	-0.02	0.0	0.0	0.0	0.0
2-3	0.85	0.87	0.84	0.87	0.01	-0.02	-0.02	0.0	0.0	0.0	0.0
3-4	0.86	0.87	0.86	0.86	0.02	-0.01	0.01	0.0	0.0	0.0	0.0
4-5	0.83	0.87	0.82	0.87	0.06	-0.05	0.01	0.0	0.0	0.0	0.0
5-6	0.84	0.88	0.84	0.87	0.11	-0.03	0.08	0.000	0.000	0.000	0.000
6-7	0.82	0.89	0.82	0.89	0.18	-0.06	0.12	0.022	0.018	0.013	0.011
7-8	0.76	0.90	0.75	0.90	0.25	-0.14	0.12	0.261	0.209	0.172	0.148
8-9	0.64	0.91	0.63	0.91	0.31	-0.27	0.04	0.728	0.585	0.481	0.411
9-10	0.61	0.92	0.61	0.93	0.42	-0.32	0.10	0.983	0.783	0.643	0.551
10-11	0.59	0.94	0.59	0.93	0.48	-0.35	0.13	1.015	0.805	0.661	0.566
11-12	0.59	0.95	0.59	0.94	0.52	-0.36	0.16	1.019	0.808	0.664	0.568
12-13	0.59	0.96	0.59	0.94	0.56	-0.36	0.20	1.043	0.828	0.680	0.581
13-14	0.58	0.94	0.58	0.94	0.56	-0.36	0.21	1.058	0.841	0.692	0.593
14-15	0.57	0.94	0.58	0.94	0.52	-0.37	0.15	1.057	0.844	0.696	0.597
15-16	0.58	0.94	0.59	0.93	0.45	-0.36	0.09	1.043	0.838	0.692	0.593
16-17	0.57	0.92	0.57	0.92	0.37	-0.35	0.03	1.015	0.825	0.684	0.588
17-18	0.58	0.93	0.56	0.91	0.28	-0.35	-0.07	0.972	0.803	0.669	0.577
18-19	0.57	0.89	0.54	0.90	0.19	-0.32	-0.13	0.913	0.769	0.648	0.561
19-20	0.55	0.87	0.55	0.88	0.07	-0.32	-0.24	0.798	0.691	0.592	0.516
20-21	0.55	0.85	0.53	0.86	0.01	-0.30	-0.29	0.700	0.632	0.554	0.490
21-22	0.54	0.83	0.52	0.84	0.0	-0.29	-0.29	0.536	0.503	0.457	0.410
22-23	0.54	0.81	0.52	0.82	0.0	-0.27	-0.27	0.350	0.338	0.316	0.290
23-24	0.53	0.81	0.51	0.81	0.0	-0.28	-0.28	0.195	0.193	0.183	0.171
TOTAL	15.87	21.45	15.68	21.41	5.38	-5.58	-0.20				

NOV. 23												
SHORTWAVE RADIATION (MJ/M**2)												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.05	0.04	0.04	9.99	0.06	0.03	0.03	0.03	0.07	9.99	0.07	0.03
1-2	0.13	0.09	0.08	9.99	0.14	0.10	0.08	0.06	0.11	9.99	0.12	0.06
2-3	0.28	0.21	0.19	9.99	0.30	0.23	0.18	0.15	0.24	9.99	0.24	0.12
3-4	0.51	0.39	0.33	9.99	0.52	0.39	0.31	0.25	0.48	9.99	0.42	0.21
4-5	0.83	0.63	0.52	9.99	0.78	0.58	0.44	0.36	0.83	9.99	0.66	0.31
5-6	1.20	0.90	0.72	9.99	1.07	0.78	0.58	0.48	1.21	9.99	0.94	0.43
6-7	1.54	1.16	0.92	9.99	1.31	0.95	0.70	0.58	1.61	9.99	1.22	0.54
7-8	1.92	1.42	1.12	9.99	1.59	1.14	0.83	0.68	1.98	9.99	1.50	0.66
8-9	2.32	1.71	1.34	9.99	1.88	1.33	0.97	0.80	2.34	9.99	1.77	0.76
9-10	2.55	1.89	1.46	9.99	2.07	1.44	1.05	0.86	2.59	9.99	1.99	0.86
10-11	2.71	2.03	1.56	9.99	2.18	1.51	1.09	0.89	2.74	9.99	2.14	0.92
11-12	2.81	2.11	1.62	9.99	2.24	1.54	1.13	0.92	2.82	9.99	2.22	0.95
12-13	2.75	2.06	1.58	9.99	2.17	1.48	1.09	0.88	2.77	9.99	2.20	0.94
13-14	2.64	2.00	1.54	9.99	2.07	1.41	1.04	0.84	2.65	9.99	2.12	0.91
14-15	2.45	1.86	1.43	9.99	1.92	1.32	0.97	0.78	2.45	9.99	1.98	0.85
15-16	2.16	1.64	1.27	9.99	1.69	1.16	0.86	0.70	2.16	9.99	1.75	0.77
16-17	1.82	1.38	1.07	9.99	1.42	0.99	0.73	0.60	1.83	9.99	1.48	0.66
17-18	1.44	1.09	0.85	9.99	1.13	0.80	0.59	0.48	1.46	9.99	1.19	0.54
18-19	1.06	0.79	0.63	9.99	0.86	0.62	0.45	0.39	1.10	9.99	0.89	0.41
19-20	0.70	0.52	0.42	9.99	0.60	0.45	0.32	0.29	0.58	9.99	0.62	0.29
20-21	0.47	0.33	0.28	9.99	0.42	0.32	0.23	0.22	0.48	9.99	0.41	0.21
21-22	0.24	0.17	0.14	9.99	0.22	0.17	0.13	0.12	0.26	9.99	0.21	0.10
22-23	0.08	0.06	0.04	9.99	0.08	0.05	0.04	0.04	0.09	9.99	0.07	0.03
23-24	0.04	0.04	0.03	9.99	0.06	0.03	0.03	0.02	0.06	9.99	0.05	0.02
TOTAL	32.69	24.52	19.17	99.99	26.79	18.83	13.86	11.41	32.91	99.99	26.26	11.58

NOV. 23												
LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.52	0.80	0.50	0.80	0.0	-0.28	-0.28	0.177	0.176	0.166	0.154	
1-2	0.51	0.79	0.49	0.79	0.0	-0.28	-0.28	0.342	0.332	0.307	0.280	
2-3	0.53	0.79	0.49	0.79	0.0	-0.26	-0.26	0.527	0.488	0.439	0.393	
3-4	0.51	0.79	0.48	0.79	0.0	-0.27	-0.27	0.636	0.562	0.495	0.442	
4-5	0.51	0.79	0.47	0.79	0.05	-0.28	-0.23	0.699	0.594	0.508	0.452	
5-6	0.53	0.80	0.47	0.79	0.13	-0.27	-0.14	0.729	0.606	0.516	0.452	
6-7	0.56	0.81	0.49	0.80	0.23	-0.24	-0.01	0.615	0.496	0.430	0.371	
7-8	0.59	0.81	0.52	0.82	0.33	-0.22	0.10	0.596	0.482	0.396	0.346	
8-9	0.57	0.85	0.51	0.86	0.44	-0.28	0.17	0.827	0.670	0.557	0.475	
9-10	0.61	0.89	0.55	0.88	0.48	-0.28	0.21	0.801	0.626	0.519	0.447	
10-11	0.62	0.90	0.57	0.89	0.52	-0.28	0.24	0.789	0.639	0.530	0.459	
11-12	0.62	0.92	0.58	0.90	0.56	-0.29	0.27	0.886	0.699	0.577	0.488	
12-13	0.63	0.92	0.59	0.91	0.58	-0.30	0.28	0.816	0.644	0.524	0.448	
13-14	0.59	0.92	0.56	0.91	0.57	-0.33	0.24	0.959	0.760	0.627	0.537	
14-15	0.57	0.91	0.56	0.92	0.53	-0.34	0.19	1.020	0.810	0.668	0.574	
15-16	0.58	0.93	0.56	0.91	0.47	-0.35	0.13	1.024	0.824	0.679	0.582	
16-17	0.58	0.92	0.57	0.91	0.40	-0.34	0.06	0.997	0.808	0.670	0.574	
17-18	0.58	0.91	0.58	0.90	0.31	-0.34	-0.03	0.958	0.789	0.659	0.566	
18-19	0.57	0.89	0.56	0.89	0.21	-0.33	-0.12	0.897	0.754	0.635	0.548	
19-20	0.58	0.88	0.57	0.88	0.10	-0.30	-0.20	0.795	0.688	0.588	0.511	
20-21	0.59	0.86	0.58	0.87	0.05	-0.27	-0.22	0.702	0.629	0.550	0.484	
21-22	0.60	0.84	0.59	0.85	0.01	-0.24	-0.23	0.357	0.331	0.296	0.263	
22-23	0.65	0.84	0.64	0.85	0.0	-0.19	-0.19	0.082	0.080	0.075	0.066	
23-24	0.60	0.82	0.59	0.82	0.0	-0.22	-0.22	0.083	0.081	0.077	0.070	
TOTAL	13.81	20.59	13.08	20.53	5.97	-6.78	-0.81					



NOV. 24												
SHORTWAVE RADIATION (MJ/M**2)												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.06	0.06	0.04	9.99	0.07	0.04	0.03	0.03	0.07	9.99	0.06	0.02
1-2	0.08	0.07	0.05	9.99	0.10	0.06	0.05	0.04	0.09	9.99	0.08	0.04
2-3	0.19	0.15	0.11	9.99	0.20	0.14	0.10	0.08	0.19	9.99	0.17	0.06
3-4	0.46	0.33	0.27	9.99	0.46	0.33	0.25	0.21	0.41	9.99	0.36	0.16
4-5	0.84	0.60	0.48	9.99	0.77	0.56	0.42	0.34	0.79	9.99	0.63	0.28
5-6	1.27	0.91	0.72	9.99	1.10	0.79	0.58	0.48	1.21	9.99	0.93	0.41
6-7	1.68	1.23	0.96	9.99	1.43	1.01	0.74	0.60	1.67	9.99	1.26	0.54
7-8	2.00	1.48	1.15	9.99	1.69	1.18	0.86	0.69	2.02	9.99	1.53	0.64
8-9	2.32	1.74	1.35	9.99	1.93	1.34	0.97	0.79	2.37	9.99	1.79	0.75
9-10	2.56	1.91	1.47	9.99	2.09	1.43	1.04	0.84	2.59	9.99	1.97	0.83
10-11	2.74	2.05	1.58	9.99	2.21	1.50	1.10	0.88	2.75	9.99	2.14	0.89
11-12	2.83	2.13	1.64	9.99	2.25	1.52	1.11	0.90	2.84	9.99	2.22	0.93
12-13	2.53	1.88	1.44	1.24	1.99	1.33	0.97	0.78	2.54	9.99	1.98	0.81
13-14	2.13	1.56	1.16	0.99	1.74	1.15	0.82	0.66	2.17	9.99	1.70	0.66
14-15	2.07	1.52	1.12	0.96	1.70	1.13	0.80	0.64	2.09	9.99	1.65	0.64
15-16	1.68	1.23	0.91	0.78	1.39	0.92	0.65	0.53	1.69	9.99	1.34	0.52
16-17	1.20	0.85	0.62	0.52	1.01	0.66	0.46	0.37	1.21	9.99	0.96	0.35
17-18	1.01	0.74	0.54	0.46	0.84	0.56	0.39	0.32	1.02	9.99	0.81	0.31
18-19	0.79	0.59	0.44	0.38	0.66	0.45	0.32	0.26	0.80	9.99	0.65	0.26
19-20	0.49	0.36	0.27	0.23	0.42	0.28	0.20	0.16	0.46	9.99	0.40	0.16
20-21	0.29	0.21	0.16	0.13	0.24	0.16	0.11	0.09	0.29	9.99	0.23	0.09
21-22	0.09	0.05	0.03	0.02	0.09	0.05	0.03	0.02	0.10	9.99	0.09	0.02
22-23	0.07	0.03	0.03	0.03	0.08	0.05	0.04	0.03	0.08	9.99	0.08	0.03
23-24	0.07	0.06	0.04	0.03	0.07	0.05	0.04	0.03	0.09	9.99	0.06	0.02
TOTAL	29.45	21.73	16.58	99.99	24.51	16.69	12.10	9.79	29.56	99.99	23.09	9.43

NOV. 24												
LONGWAVE RADIATION (MJ/M**2)					NET RADIATION (MJ/M**2)			DIRECT RADIATION (Kw/M**2)				
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE						
0-1	0.63	0.83	0.62	0.84	0.0	-0.20	-0.20	0.012	0.012	0.011	0.010	
1-2	0.61	0.83	0.59	0.84	0.0	-0.22	-0.22	0.079	0.076	0.070	0.063	
2-3	0.61	0.83	0.60	0.84	0.0	-0.22	-0.22	0.122	0.112	0.099	0.087	
3-4	0.58	0.84	0.56	0.84	0.0	-0.26	-0.26	0.523	0.459	0.401	0.353	
4-5	0.59	0.86	0.56	0.86	0.07	-0.27	-0.21	0.751	0.641	0.544	0.472	
5-6	0.59	0.88	0.55	0.87	0.17	-0.29	-0.12	0.889	0.742	0.622	0.536	
6-7	0.60	0.89	0.57	0.88	0.25	-0.28	-0.03	0.921	0.756	0.625	0.537	
7-8	0.62	0.90	0.60	0.89	0.31	-0.28	0.03	0.849	0.682	0.570	0.489	
8-9	0.60	0.91	0.59	0.91	0.39	-0.31	0.08	1.014	0.815	0.672	0.574	
9-10	0.58	0.93	0.59	0.93	0.47	-0.34	0.13	1.060	0.845	0.696	0.595	
10-11	0.59	0.95	0.59	0.95	0.53	-0.35	0.18	1.077	0.856	0.703	0.601	
11-12	0.59	0.96	0.59	0.96	0.58	-0.37	0.21	1.085	0.863	0.708	0.606	
12-13	0.64	0.97	0.54	0.97	0.54	-0.33	0.21	0.664	0.521	0.416	0.353	
13-14	0.80	0.98	0.80	0.97	0.40	-0.17	0.22	0.038	0.025	0.018	0.014	
14-15	0.83	0.99	0.83	0.99	0.37	-0.16	0.22	0.036	0.021	0.020	0.015	
15-16	0.83	0.98	0.83	0.99	0.30	-0.15	0.15	0.039	0.021	0.017	0.011	
16-17	0.87	0.98	0.86	0.98	0.19	-0.10	0.08	0.0	0.0	0.0	0.0	
17-18	0.85	0.97	0.84	0.97	0.17	-0.12	0.04	0.005	0.004	0.003	0.002	
18-19	0.79	0.96	0.79	0.96	0.13	-0.16	-0.04	0.127	0.089	0.076	0.065	
19-20	0.85	0.95	0.84	0.94	0.07	-0.10	-0.03	0.042	0.040	0.034	0.029	
20-21	0.78	0.93	0.78	0.94	0.04	-0.15	-0.11	0.005	0.004	0.002	0.001	
21-22	0.63	0.88	0.62	0.88	0.0	-0.25	-0.25	0.032	0.031	0.027	0.021	
22-23	0.62	0.85	0.61	0.86	0.0	-0.23	-0.23	0.134	0.129	0.121	0.110	
23-24	0.81	0.89	0.81	0.89	0.00	-0.07	-0.07	0.073	0.070	0.066	0.059	
TOTAL	16.52	21.92	16.25	21.93	4.97	-5.40	-0.43					

NOV. 25													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.07	0.05	0.03	0.03	0.07	0.04	0.04	0.03	0.08	9.99	0.07	0.03	
1- 2	0.20	0.13	0.12	0.12	0.20	0.16	0.13	0.11	0.16	9.99	0.15	0.07	
2- 3	0.27	0.19	0.18	0.15	0.31	0.24	0.19	0.16	0.24	9.99	0.23	0.11	
3- 4	0.54	0.40	0.34	0.30	0.55	0.41	0.31	0.26	0.51	9.99	0.43	0.20	
4- 5	0.87	0.65	0.53	0.47	0.84	0.62	0.47	0.38	0.84	9.99	0.69	0.31	
5- 6	1.24	0.93	0.74	0.66	1.13	0.82	0.60	0.49	1.23	9.99	0.96	0.42	
6- 7	1.64	1.22	0.97	0.85	1.43	1.01	0.75	0.61	1.67	9.99	1.24	0.54	
7- 8	2.00	1.50	1.19	1.04	1.69	1.19	0.87	0.71	2.04	9.99	1.51	0.64	
8- 9	2.28	1.71	1.34	1.17	1.89	1.31	0.95	0.77	2.34	9.99	1.74	0.73	
9-10	2.39	1.78	1.37	1.20	1.95	1.33	0.97	0.78	2.44	9.99	1.85	0.77	
10-11	2.67	1.99	1.52	1.33	2.15	1.46	1.06	0.85	2.71	9.99	2.09	0.86	
11-12	2.79	2.08	1.59	1.39	2.22	1.51	1.09	0.88	2.81	9.99	2.19	0.91	
12-13	2.69	2.01	1.54	1.34	2.13	1.44	1.05	0.84	2.71	9.99	2.12	0.88	
13-14	2.10	1.54	1.15	0.99	1.68	1.12	0.80	0.64	2.12	9.99	1.66	0.66	
14-15	2.12	1.58	1.19	1.02	1.69	1.14	0.82	0.66	2.14	9.99	1.68	0.68	
15-16	2.08	1.56	1.20	1.04	1.64	1.12	0.81	0.66	2.09	9.99	1.66	0.70	
16-17	1.82	1.38	1.07	0.94	1.43	0.99	0.72	0.59	1.81	9.99	1.47	0.64	
17-18	1.11	0.83	0.64	0.57	0.89	0.61	0.44	0.37	1.14	9.99	0.92	0.40	
18-19	1.11	0.82	0.66	0.59	0.89	0.63	0.47	0.40	1.14	9.99	0.92	0.42	
19-20	0.75	0.54	0.45	0.42	0.63	0.47	0.34	0.30	0.62	9.99	0.64	0.30	
20-21	0.47	0.32	0.28	0.26	0.41	0.32	0.23	0.21	0.48	9.99	0.41	0.20	
21-22	0.25	0.15	0.15	0.14	0.26	0.20	0.15	0.14	0.29	9.99	0.24	0.12	
22-23	0.23	0.14	0.12	0.14	0.19	0.15	0.11	0.11	0.22	9.99	0.16	0.08	
23-24	0.32	0.21	0.12	0.18	0.14	0.11	0.09	0.08	0.18	9.99	0.11	0.06	
TOTAL	31.99	23.70	18.49	16.35	26.43	18.39	13.46	11.02	32.02	99.99	25.13	10.74	

NOV. 25													
LONGWAVE RADIATION (MJ/M**2)													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.64	0.86	0.63	0.86	0.0	-0.22	-0.22	0.048	0.047	0.044	0.040		
1- 2	0.60	0.83	0.59	0.83	0.0	-0.23	-0.23	0.340	0.324	0.300	0.268		
2- 3	0.59	0.81	0.56	0.82	0.0	-0.23	-0.23	0.423	0.387	0.345	0.304		
3- 4	0.58	0.83	0.56	0.83	0.0	-0.25	-0.25	0.539	0.475	0.412	0.359		
4- 5	0.55	0.84	0.53	0.83	0.03	-0.29	-0.26	0.744	0.634	0.540	0.466		
5- 6	0.56	0.85	0.54	0.84	0.11	-0.29	-0.18	0.810	0.672	0.566	0.485		
6- 7	0.56	0.87	0.54	0.86	0.21	-0.31	-0.10	0.856	0.699	0.584	0.500		
7- 8	0.56	0.90	0.54	0.88	0.31	-0.34	-0.03	0.873	0.705	0.586	0.501		
8- 9	0.56	0.92	0.55	0.90	0.39	-0.35	0.03	0.878	0.701	0.581	0.496		
9-10	0.59	0.92	0.59	0.91	0.44	-0.33	0.11	0.734	0.582	0.474	0.402		
10-11	0.63	0.94	0.63	0.94	0.52	-0.30	0.22	0.543	0.428	0.351	0.301		
11-12	0.63	0.94	0.62	0.95	0.56	-0.31	0.25	0.628	0.496	0.409	0.349		
12-13	0.63	0.95	0.63	0.95	0.56	-0.32	0.25	0.619	0.489	0.401	0.342		
13-14	0.67	0.94	0.68	0.94	0.41	-0.26	0.15	0.145	0.111	0.088	0.075		
14-15	0.67	0.94	0.67	0.94	0.43	-0.27	0.16	0.226	0.179	0.146	0.125		
15-16	0.65	0.95	0.64	0.93	0.44	-0.30	0.13	0.467	0.376	0.308	0.266		
16-17	0.63	0.94	0.62	0.93	0.39	-0.31	0.08	0.637	0.512	0.424	0.368		
17-18	0.61	0.91	0.60	0.92	0.22	-0.30	-0.09	0.430	0.354	0.293	0.251		
18-19	0.56	0.90	0.55	0.91	0.22	-0.34	-0.12	0.923	0.775	0.652	0.565		
19-20	0.57	0.87	0.56	0.89	0.12	-0.30	-0.19	0.834	0.719	0.613	0.534		
20-21	0.58	0.85	0.57	0.86	0.06	-0.28	-0.22	0.740	0.662	0.577	0.506		
21-22	0.58	0.83	0.56	0.84	0.0	-0.25	-0.25	0.603	0.562	0.505	0.450		
22-23	0.60	0.81	0.59	0.82	0.04	-0.21	-0.17	0.475	0.458	0.426	0.386		
23-24	0.61	0.79	0.59	0.80	0.18	-0.18	-0.00	0.406	0.397	0.376	0.346		
TOTAL	14.41	21.19	14.17	21.17	5.64	-6.77	-1.14						

NOV. 26		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.17	0.12	0.10	0.12	0.14	0.11	0.09	0.08	0.14	9.99	0.11	0.05	
1-2	0.14	0.11	0.09	0.08	0.14	0.10	0.08	0.07	0.14	9.99	0.12	0.05	
2-3	0.22	0.17	0.13	0.11	0.20	0.14	0.10	0.08	0.23	9.99	0.18	0.08	
3-4	0.36	0.27	0.21	0.18	0.33	0.23	0.16	0.14	0.37	9.99	0.30	0.12	
4-5	0.75	0.56	0.45	0.39	0.68	0.49	0.36	0.30	0.75	9.99	0.59	0.26	
5-6	0.91	0.67	0.52	0.46	0.81	0.56	0.41	0.34	0.92	9.99	0.72	0.30	
6-7	1.48	1.10	0.87	0.76	1.29	0.91	0.66	0.54	1.51	9.99	1.14	0.48	
7-8	2.03	1.51	1.20	1.05	1.72	1.21	0.89	0.71	2.05	9.99	1.53	0.65	
8-9	2.35	1.75	1.38	1.21	1.94	1.35	0.98	0.80	2.39	9.99	1.79	0.76	
9-10	2.61	1.95	1.52	1.34	2.12	1.46	1.06	0.86	2.65	9.99	2.01	0.85	
10-11	2.80	2.10	1.63	1.44	2.24	1.53	1.12	0.90	2.81	9.99	2.17	0.92	
11-12	2.88	2.07	1.68	1.48	2.27	1.55	1.14	0.90	2.89	9.99	2.26	0.96	
12-13	2.89	1.99	1.68	1.47	2.24	1.52	1.12	0.90	2.88	9.99	2.26	0.75	
13-14	2.74	2.00	1.61	1.41	2.13	1.44	1.07	0.86	2.75	9.99	2.17	0.0	
14-15	2.53	1.76	1.49	1.30	1.97	1.33	0.99	0.79	2.53	9.99	2.02	0.85	
15-16	2.24	1.62	1.33	1.16	1.74	1.19	0.88	0.71	2.24	9.99	1.79	0.78	
16-17	1.90	1.38	1.13	0.99	1.48	1.03	0.76	0.63	1.91	9.99	1.53	0.68	
17-18	1.52	1.10	0.91	0.81	1.19	0.84	0.62	0.52	1.53	9.99	1.24	0.56	
18-19	1.14	0.83	0.68	0.59	0.90	0.65	0.48	0.41	1.17	9.99	0.94	0.43	
19-20	0.76	0.54	0.47	0.43	0.64	0.48	0.35	0.31	0.64	9.99	0.66	0.31	
20-21	0.48	0.33	0.29	0.27	0.43	0.33	0.24	0.22	0.49	9.99	0.43	0.22	
21-22	0.27	0.16	0.17	0.16	0.27	0.22	0.16	0.15	0.32	9.99	0.25	0.13	
22-23	0.16	0.07	0.09	0.10	0.16	0.13	0.10	0.09	0.17	9.99	0.14	0.07	
23-24	0.11	0.08	0.07	0.09	0.12	0.09	0.08	0.06	0.11	9.99	0.09	0.05	
TOTAL	33.41	24.25	19.68	17.40	27.14	18.88	13.89	11.35	33.58	99.99	26.43	10.33	

NOV. 26		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE						
0-1	0.60	0.80	0.59	0.79	0.03	-0.19	-0.17	0.345	0.338	0.319	0.291	
1-2	0.63	0.80	0.61	0.80	0.01	-0.18	-0.17	0.113	0.106	0.097	0.086	
2-3	0.68	0.80	0.67	0.80	0.02	-0.13	-0.11	0.027	0.023	0.020	0.018	
3-4	0.64	0.81	0.64	0.81	0.03	-0.17	-0.14	0.063	0.055	0.047	0.040	
4-5	0.65	0.81	0.64	0.81	0.07	-0.17	-0.09	0.270	0.230	0.195	0.168	
5-6	0.61	0.82	0.61	0.81	0.10	-0.21	-0.11	0.278	0.230	0.192	0.166	
6-7	0.58	0.84	0.56	0.83	0.19	-0.25	-0.07	0.689	0.565	0.471	0.405	
7-8	0.55	0.86	0.53	0.84	0.31	-0.31	-0.00	1.025	0.831	0.689	0.591	
8-9	0.54	0.88	0.53	0.86	0.40	-0.34	0.06	1.068	0.859	0.710	0.609	
9-10	0.53	0.89	0.53	0.89	0.49	-0.36	0.12	1.087	0.869	0.715	0.615	
10-11	0.54	0.91	0.53	0.91	0.56	-0.37	0.19	1.099	0.876	0.722	0.618	
11-12	0.55	0.92	0.54	0.93	0.61	-0.37	0.24	1.101	0.877	0.724	0.619	
12-13	0.53	0.92	0.55	0.93	0.64	-0.39	0.25	1.102	0.878	0.724	0.619	
13-14	0.53	0.92	0.53	0.93	0.61	-0.39	0.22	1.098	0.876	0.720	0.619	
14-15	0.53	0.93	0.53	0.91	0.56	-0.40	0.17	1.088	0.870	0.717	0.618	
15-16	0.54	0.91	0.54	0.91	0.50	-0.37	0.13	1.069	0.861	0.712	0.612	
16-17	0.54	0.89	0.54	0.90	0.42	-0.36	0.06	1.043	0.848	0.704	0.606	
17-18	0.52	0.88	0.51	0.86	0.33	-0.36	-0.03	1.006	0.830	0.694	0.599	
18-19	0.52	0.86	0.50	0.88	0.24	-0.34	-0.10	0.950	0.798	0.674	0.584	
19-20	0.51	0.84	0.50	0.85	0.12	-0.33	-0.21	0.856	0.739	0.633	0.552	
20-21	0.51	0.81	0.50	0.81	0.05	-0.30	-0.25	0.770	0.688	0.603	0.531	
21-22	0.50	0.79	0.49	0.79	0.0	-0.29	-0.29	0.645	0.601	0.542	0.486	
22-23	0.49	0.77	0.47	0.77	0.0	-0.28	-0.28	0.531	0.511	0.475	0.434	
23-24	0.47	0.75	0.45	0.75	0.0	-0.28	-0.28	0.451	0.442	0.418	0.387	
TOTAL	13.28	20.43	13.10	20.43	6.28	-7.15	-0.86					

SHORTWAVE RADIATION (MJ/M**2)												
NOV. 27												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.13	0.05	0.07	0.08	0.14	0.11	0.09	0.07	0.10	9.99	0.10	0.05
1-2	0.19	0.10	0.13	0.11	0.22	0.18	0.14	0.12	0.15	9.99	0.15	0.08
2-3	0.35	0.24	0.23	0.20	0.38	0.30	0.23	0.20	0.30	9.99	0.27	0.14
3-4	0.62	0.42	0.38	0.34	0.60	0.46	0.36	0.29	0.56	9.99	0.47	0.23
4-5	0.96	0.66	0.57	0.51	0.87	0.65	0.49	0.40	0.90	9.99	0.71	0.33
5-6	1.30	0.93	0.78	0.70	1.16	0.85	0.63	0.52	1.28	9.99	0.99	0.44
6-7	1.69	1.21	1.01	0.89	1.45	1.05	0.77	0.63	1.72	9.99	1.27	0.56
7-8	2.06	1.47	1.23	1.07	1.72	1.22	0.89	0.73	2.08	9.99	1.54	0.67
8-9	2.38	1.73	1.41	1.24	1.94	1.37	0.99	0.81	2.42	9.99	1.80	0.78
9-10	2.65	1.90	1.56	1.38	2.13	1.49	1.08	0.88	2.68	9.99	2.02	0.87
10-11	2.84	2.04	1.67	1.48	2.24	1.56	1.13	0.92	2.84	9.99	2.19	0.94
11-12	2.92	2.10	1.73	1.51	2.29	1.58	1.15	0.93	2.93	9.99	2.28	0.98
12-13	2.91	2.19	1.72	1.50	2.25	1.54	1.13	0.91	2.91	9.99	2.27	0.98
13-14	2.78	2.10	1.65	1.44	2.14	1.46	1.08	0.87	2.78	9.99	2.19	0.95
14-15	2.57	1.95	1.52	1.33	1.97	1.35	1.00	0.80	2.55	9.99	2.03	0.88
15-16	2.28	1.73	1.36	1.19	1.75	1.21	0.89	0.72	2.27	9.99	1.80	0.79
16-17	1.93	1.47	1.16	1.02	1.49	1.04	0.77	0.63	1.92	9.99	1.54	0.69
17-18	1.53	1.17	0.92	0.83	1.20	0.85	0.63	0.52	1.55	9.99	1.25	0.57
18-19	1.15	0.84	0.70	0.61	0.91	0.66	0.48	0.42	1.18	9.99	0.94	0.44
19-20	0.77	0.57	0.47	0.44	0.65	0.49	0.35	0.32	0.64	9.99	0.67	0.32
20-21	0.50	0.34	0.30	0.28	0.44	0.34	0.25	0.23	0.50	9.99	0.44	0.22
21-22	0.29	0.17	0.17	0.16	0.28	0.22	0.17	0.15	0.33	9.99	0.25	0.13
22-23	0.19	0.08	0.09	0.11	0.16	0.13	0.10	0.09	0.18	9.99	0.14	0.07
23-24	0.12	0.05	0.06	0.07	0.12	0.10	0.08	0.08	0.11	9.99	0.10	0.05
TOTAL	35.11	25.54	20.91	18.49	28.50	20.21	14.88	12.24	34.90	99.99	27.41	12.15

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
NOV. 27												
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.47	0.74	0.46	0.74	0.0	-0.26	-0.26	0.450	0.439	0.415	0.382	
1-2	0.47	0.74	0.45	0.74	0.0	-0.28	-0.28	0.560	0.535	0.495	0.450	
2-3	0.49	0.74	0.45	0.74	0.0	-0.26	-0.26	0.686	0.632	0.565	0.503	
3-4	0.49	0.74	0.46	0.74	0.01	-0.26	-0.24	0.800	0.708	0.615	0.543	
4-5	0.47	0.75	0.45	0.74	0.09	-0.28	-0.19	0.895	0.767	0.655	0.573	
5-6	0.47	0.75	0.45	0.75	0.15	-0.28	-0.14	0.968	0.811	0.685	0.594	
6-7	0.48	0.77	0.45	0.76	0.24	-0.29	-0.05	1.019	0.838	0.702	0.607	
7-8	0.46	0.78	0.45	0.78	0.34	-0.32	0.03	1.052	0.855	0.711	0.615	
8-9	0.47	0.80	0.46	0.80	0.44	-0.33	0.11	1.077	0.869	0.721	0.622	
9-10	0.46	0.83	0.46	0.82	0.52	-0.37	0.16	1.094	0.877	0.727	0.627	
10-11	0.45	0.85	0.46	0.83	0.60	-0.39	0.21	1.105	0.883	0.731	0.628	
11-12	0.47	0.86	0.46	0.85	0.63	-0.39	0.24	1.112	0.886	0.733	0.630	
12-13	0.48	0.87	0.46	0.85	0.66	-0.39	0.27	1.112	0.886	0.733	0.629	
13-14	0.47	0.87	0.47	0.86	0.64	-0.40	0.24	1.106	0.883	0.729	0.630	
14-15	0.47	0.86	0.48	0.87	0.60	-0.40	0.20	1.096	0.879	0.727	0.626	
15-16	0.49	0.87	0.47	0.85	0.53	-0.38	0.15	1.077	0.869	0.721	0.622	
16-17	0.49	0.86	0.48	0.85	0.44	-0.37	0.07	1.051	0.855	0.712	0.615	
17-18	0.49	0.85	0.48	0.84	0.33	-0.36	-0.03	1.011	0.834	0.698	0.605	
18-19	0.48	0.83	0.47	0.83	0.24	-0.34	-0.11	0.955	0.802	0.678	0.588	
19-20	0.48	0.80	0.48	0.82	0.12	-0.32	-0.19	0.861	0.742	0.635	0.556	
20-21	0.48	0.77	0.47	0.79	0.06	-0.29	-0.23	0.775	0.692	0.605	0.534	
21-22	0.48	0.76	0.46	0.76	0.01	-0.28	-0.27	0.651	0.604	0.544	0.487	
22-23	0.48	0.74	0.47	0.74	0.03	-0.26	-0.23	0.533	0.511	0.474	0.431	
23-24	0.47	0.73	0.45	0.73	0.0	-0.26	-0.26	0.459	0.448	0.421	0.387	
TOTAL	11.42	19.16	11.11	19.08	6.68	-7.74	-1.06					

NOV. 28	SHORTWAVE RADIATION (MJ/M**2)												
	HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
		(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.14	0.06	0.07	0.09	0.14	0.11	0.09	0.08	0.10	9.99	0.10	0.05	
1- 2	0.20	0.11	0.13	0.12	0.23	0.19	0.15	0.13	0.16	9.99	0.16	0.08	
2- 3	0.36	0.25	0.24	0.20	0.38	0.31	0.24	0.20	0.31	9.99	0.28	0.14	
3- 4	0.61	0.44	0.38	0.34	0.61	0.47	0.35	0.29	0.57	9.99	0.47	0.23	
4- 5	0.94	0.69	0.57	0.51	0.98	0.66	0.49	0.41	0.91	9.99	0.72	0.33	
5- 6	1.31	0.98	0.79	0.70	1.17	0.86	0.63	0.52	1.29	9.99	0.99	0.44	
6- 7	1.70	1.27	1.02	0.89	1.46	1.05	0.77	0.63	1.72	9.99	1.27	0.56	
7- 8	2.06	1.54	1.23	1.08	1.72	1.23	0.89	0.73	2.09	9.99	1.54	0.67	
8- 9	2.38	1.78	1.41	1.24	1.94	1.37	0.99	0.81	2.42	9.99	1.80	0.77	
9-10	2.66	2.00	1.56	1.38	2.12	1.49	1.07	0.88	2.69	9.99	2.02	0.87	
10-11	2.85	2.14	1.67	1.49	2.24	1.55	1.13	0.92	2.85	9.99	2.18	0.94	
11-12	2.93	2.22	1.73	1.52	2.28	1.58	1.14	0.93	2.94	9.99	2.28	0.98	
12-13	2.92	2.21	1.73	1.51	2.24	1.54	1.13	0.91	2.93	9.99	2.28	0.98	
13-14	2.80	2.11	1.66	1.45	2.14	1.47	1.08	0.87	2.79	9.99	2.20	0.95	
14-15	2.58	1.96	1.53	1.34	1.96	1.35	1.00	0.81	2.57	9.99	2.04	0.89	
15-16	2.29	1.74	1.37	1.20	1.74	1.22	0.90	0.73	2.28	9.99	1.82	0.80	
16-17	1.95	1.48	1.17	1.03	1.49	1.05	0.77	0.64	1.94	9.99	1.56	0.70	
17-18	1.55	1.18	0.93	0.84	1.20	0.86	0.64	0.53	1.57	9.99	1.27	0.58	
18-19	1.16	0.84	0.70	0.61	0.91	0.67	0.49	0.42	1.20	9.99	0.96	0.44	
19-20	0.80	0.59	0.49	0.45	0.66	0.50	0.36	0.32	0.66	9.99	0.68	0.33	
20-21	0.51	0.35	0.31	0.29	0.45	0.35	0.25	0.23	0.52	9.99	0.45	0.23	
21-22	0.30	0.18	0.18	0.17	0.29	0.23	0.17	0.16	0.34	9.99	0.27	0.14	
22-23	0.21	0.08	0.10	0.12	0.17	0.14	0.11	0.09	0.19	9.99	0.15	0.08	
23-24	0.13	0.06	0.06	0.08	0.14	0.11	0.08	0.08	0.13	9.99	0.11	0.05	
TOTAL	35.32	26.26	21.04	18.67	28.56	20.33	14.93	12.31	35.16	99.99	27.60	12.22	

NOV. 28	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE	TOTAL				
0- 1	0.48	0.73	0.46	0.72	0.0	-0.25	-0.25	0.452	0.440	0.412	0.379
1- 2	0.48	0.73	0.46	0.72	0.0	-0.25	-0.25	0.568	0.540	0.497	0.450
2- 3	0.49	0.73	0.46	0.73	0.0	-0.24	-0.24	0.693	0.637	0.569	0.507
3- 4	0.47	0.73	0.45	0.73	0.0	-0.25	-0.25	0.813	0.718	0.625	0.549
4- 5	0.47	0.73	0.46	0.73	0.06	-0.26	-0.20	0.905	0.776	0.661	0.577
5- 6	0.48	0.74	0.45	0.73	0.14	-0.26	-0.12	0.974	0.815	0.687	0.596
6- 7	0.47	0.76	0.46	0.75	0.24	-0.29	-0.05	1.022	0.841	0.703	0.608
7- 8	0.47	0.78	0.45	0.77	0.34	-0.31	0.03	1.057	0.859	0.716	0.617
8- 9	0.47	0.80	0.45	0.80	0.44	-0.33	0.11	1.082	0.872	0.723	0.623
9-10	0.46	0.83	0.47	0.82	0.53	-0.36	0.17	1.100	0.882	0.730	0.627
10-11	0.46	0.85	0.46	0.84	0.61	-0.40	0.22	1.111	0.887	0.732	0.631
11-12	0.47	0.86	0.46	0.85	0.65	-0.40	0.25	1.117	0.893	0.733	0.636
12-13	0.46	0.87	0.47	0.86	0.68	-0.41	0.27	1.115	0.892	0.734	0.634
13-14	0.46	0.86	0.47	0.86	0.66	-0.41	0.26	1.112	0.887	0.734	0.630
14-15	0.47	0.86	0.46	0.86	0.62	-0.40	0.22	1.100	0.882	0.728	0.630
15-16	0.47	0.85	0.47	0.85	0.55	-0.38	0.17	1.083	0.874	0.725	0.624
16-17	0.48	0.84	0.48	0.85	0.46	-0.36	0.10	1.055	0.859	0.716	0.618
17-18	0.47	0.83	0.48	0.84	0.35	-0.36	-0.01	1.017	0.839	0.702	0.607
18-19	0.46	0.82	0.46	0.82	0.24	-0.35	-0.11	0.960	0.806	0.681	0.592
19-20	0.47	0.78	0.47	0.79	0.14	-0.31	-0.17	0.870	0.749	0.641	0.560
20-21	0.47	0.76	0.47	0.77	0.07	-0.29	-0.22	0.786	0.701	0.612	0.539
21-22	0.47	0.74	0.45	0.75	0.01	-0.26	-0.25	0.666	0.616	0.554	0.495
22-23	0.46	0.72	0.46	0.73	0.04	-0.25	-0.22	0.550	0.525	0.485	0.441
23-24	0.47	0.72	0.45	0.72	0.0	-0.25	-0.25	0.476	0.463	0.435	0.398
TOTAL	11.27	18.92	11.07	18.86	6.82	-7.65	-0.82				

SHORTWAVE RADIATION (MJ/M**2)												
NOV. 29	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HOUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.15	0.06	0.08	0.10	0.15	0.12	0.10	0.09	0.12	9.99	0.11	0.05
1- 2	0.21	0.12	0.14	0.12	0.24	0.19	0.15	0.13	0.17	9.99	0.17	0.09
2- 3	0.36	0.25	0.24	0.21	0.39	0.31	0.24	0.21	0.32	9.99	0.29	0.14
3- 4	0.62	0.45	0.39	0.35	0.62	0.47	0.36	0.30	0.58	9.99	0.48	0.23
4- 5	0.95	0.70	0.58	0.51	0.89	0.66	0.49	0.41	0.92	9.99	0.72	0.33
5- 6	1.32	0.98	0.79	0.70	1.18	0.87	0.63	0.52	1.30	9.99	1.00	0.45
6- 7	1.71	1.28	1.02	0.90	1.47	1.06	0.77	0.64	1.74	9.99	1.28	0.56
7- 8	2.08	1.55	1.24	1.09	1.73	1.24	0.90	0.74	2.10	9.99	1.55	0.67
8- 9	2.40	1.79	1.42	1.25	1.96	1.38	0.99	0.82	2.43	9.99	1.81	0.78
9-10	2.67	2.01	1.57	1.39	2.14	1.50	1.08	0.88	2.70	9.99	2.04	0.88
10-11	2.86	2.15	1.68	1.49	2.25	1.56	1.13	0.92	2.77	9.99	0.87	0.37
11-12	2.95	2.22	1.74	1.53	2.28	1.58	1.16	0.93	2.95	9.99	2.28	0.97
12-13	2.93	2.21	1.73	1.52	2.25	1.55	1.14	0.91	2.94	9.99	2.29	0.97
13-14	2.81	2.13	1.67	1.46	2.14	1.47	1.09	0.87	2.81	1.48	2.21	0.95
14-15	2.60	1.97	1.54	1.35	2.00	1.38	1.02	0.83	2.58	1.36	2.05	0.89
15-16	2.30	1.75	1.38	1.21	1.77	1.23	0.91	0.74	2.28	1.21	1.84	0.81
16-17	1.96	1.49	1.18	1.04	1.51	1.06	0.79	0.64	1.95	1.04	1.57	0.70
17-18	1.57	1.19	0.94	0.84	1.23	0.87	0.65	0.53	1.58	0.85	1.28	0.58
18-19	1.16	0.85	0.71	0.63	0.94	0.68	0.50	0.42	1.21	0.66	0.97	0.45
19-20	0.81	0.60	0.49	0.46	0.68	0.51	0.37	0.32	0.67	0.34	0.69	0.33
20-21	0.53	0.37	0.32	0.29	0.49	0.37	0.27	0.25	0.53	0.31	0.46	0.23
21-22	0.31	0.19	0.19	0.18	0.35	0.26	0.20	0.19	0.35	0.17	0.28	0.14
22-23	0.20	0.08	0.11	0.11	0.23	0.17	0.13	0.12	0.20	0.11	0.16	0.09
23-24	0.15	0.06	0.07	0.09	0.18	0.13	0.11	0.10	0.14	0.11	0.11	0.05
TOTAL	35.61	26.46	21.21	18.92	29.06	20.60	15.18	12.52	35.33	99.99	26.51	11.71

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)															
NOV. 29	(SURFACE)				(30M)				(SURFACE)			(BLANK)			
HOUR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	DOWNWARD	UPWARD	DOWNWARD	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.46	0.72	0.45	0.71	0.0	-0.25	-0.25	0.469	0.455	0.425	0.390				
1- 2	0.47	0.71	0.44	0.70	0.0	-0.24	-0.24	0.578	0.549	0.504	0.455				
2- 3	0.48	0.71	0.46	0.71	0.0	-0.23	-0.23	0.698	0.640	0.570	0.507				
3- 4	0.48	0.71	0.46	0.71	0.00	-0.23	-0.23	0.813	0.718	0.623	0.548				
4- 5	0.47	0.72	0.45	0.71	0.06	-0.25	-0.19	0.907	0.776	0.662	0.577				
5- 6	0.47	0.73	0.45	0.72	0.14	-0.26	-0.12	0.974	0.815	0.687	0.596				
6- 7	0.47	0.74	0.45	0.73	0.24	-0.27	-0.03	1.023	0.842	0.704	0.609				
7- 8	0.47	0.77	0.46	0.75	0.35	-0.29	0.05	1.059	0.860	0.716	0.617				
8- 9	0.47	0.79	0.46	0.80	0.44	-0.32	0.12	1.083	0.873	0.724	0.625				
9-10	0.46	0.82	0.46	0.81	0.53	-0.36	0.17	1.101	0.882	0.731	0.627				
10-11	0.46	0.84	0.47	0.83	0.61	-0.39	0.23	1.112	0.890	0.732	0.635				
11-12	0.47	0.86	0.46	0.85	0.66	-0.39	0.27	1.120	0.892	0.733	0.636				
12-13	0.47	0.87	0.47	0.86	0.68	-0.41	0.27	1.118	0.893	0.734	0.635				
13-14	0.47	0.87	0.47	0.86	0.67	-0.40	0.27	1.113	0.888	0.735	0.631				
14-15	0.47	0.87	0.47	0.87	0.60	-0.40	0.21	1.101	0.883	0.731	0.630				
15-16	0.47	0.85	0.47	0.86	0.53	-0.38	0.15	1.084	0.875	0.725	0.626				
16-17	0.48	0.84	0.48	0.86	0.45	-0.36	0.09	1.058	0.860	0.717	0.619				
17-18	0.49	0.84	0.49	0.85	0.34	-0.34	-0.00	1.019	0.840	0.702	0.608				
18-19	0.49	0.83	0.48	0.83	0.22	-0.33	-0.11	0.960	0.805	0.679	0.589				
19-20	0.49	0.81	0.49	0.80	0.13	-0.32	-0.19	0.870	0.748	0.640	0.558				
20-21	0.48	0.77	0.47	0.78	0.04	-0.29	-0.25	0.790	0.702	0.612	0.539				
21-22	0.49	0.76	0.48	0.76	0.0	-0.27	-0.27	0.670	0.618	0.553	0.494				
22-23	0.48	0.74	0.47	0.74	0.0	-0.27	-0.27	0.558	0.532	0.490	0.444				
23-24	0.48	0.73	0.46	0.73	0.0	-0.24	-0.24	0.491	0.476	0.445	0.408				
TOTAL	11.40	18.90	11.17	18.86	6.72	-7.50	-0.78								

SHORTWAVE RADIATION (MJ/M**2)												
NOV. 30												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.17	0.07	0.09	0.11	0.20	0.15	0.12	0.11	0.13	0.11	0.12	0.06
1- 2	0.23	0.13	0.14	0.13	0.29	0.21	0.18	0.16	0.19	0.13	0.18	0.09
2- 3	0.38	0.26	0.25	0.22	0.43	0.32	0.26	0.23	0.34	0.20	0.30	0.15
3- 4	0.63	0.46	0.40	0.35	0.64	0.48	0.37	0.31	0.59	0.34	0.49	0.23
4- 5	0.95	0.70	0.58	0.51	0.90	0.68	0.50	0.42	0.93	0.50	0.73	0.33
5- 6	1.32	0.99	0.79	0.70	1.19	0.87	0.64	0.53	1.31	0.70	1.00	0.44
6- 7	1.71	1.28	1.02	0.89	1.49	1.07	0.78	0.64	1.74	0.92	1.29	0.56
7- 8	2.08	1.55	1.24	1.08	1.75	1.24	0.91	0.74	2.11	1.11	1.55	0.67
8- 9	2.40	1.79	1.41	1.24	1.98	1.39	1.01	0.82	2.44	1.28	1.81	0.78
9-10	2.66	1.99	1.56	1.38	2.17	1.51	1.10	0.89	2.70	1.41	2.04	0.87
10-11	2.86	2.14	1.67	1.48	2.28	1.58	1.14	0.92	2.86	1.49	2.20	0.94
11-12	2.94	2.21	1.73	1.51	2.32	1.60	1.17	0.93	2.95	1.53	2.29	0.97
12-13	2.93	2.20	1.72	1.51	2.28	1.57	1.14	0.92	2.93	1.53	2.29	0.98
13-14	2.80	2.11	1.65	1.44	2.17	1.49	1.09	0.88	2.80	1.46	2.20	0.94
14-15	2.59	1.96	1.52	1.33	1.99	1.37	1.01	0.82	2.57	1.34	2.05	0.88
15-16	2.29	1.74	1.36	1.20	1.77	1.22	0.90	0.74	2.28	1.19	1.83	0.79
16-17	1.96	1.48	1.16	1.03	1.50	1.05	0.78	0.64	1.95	1.02	1.56	0.69
17-18	1.56	1.18	0.93	0.83	1.22	0.86	0.64	0.53	1.58	0.84	1.27	0.57
18-19	1.16	0.86	0.70	0.63	0.94	0.68	0.50	0.42	1.21	0.66	0.97	0.44
19-20	0.81	0.60	0.48	0.46	0.68	0.51	0.37	0.33	0.67	0.34	0.70	0.33
20-21	0.54	0.37	0.32	0.29	0.49	0.36	0.27	0.25	0.53	0.31	0.46	0.23
21-22	0.31	0.19	0.19	0.17	0.35	0.26	0.20	0.19	0.35	0.17	0.28	0.14
22-23	0.18	0.08	0.11	0.10	0.24	0.17	0.14	0.13	0.20	0.10	0.17	0.09
23-24	0.16	0.06	0.07	0.10	0.19	0.13	0.11	0.11	0.14	0.11	0.11	0.05
TOTAL	35.59	26.41	21.08	18.69	29.47	20.77	15.31	12.64	35.48	18.77	27.88	12.23

LONGWAVE RADIATION (MJ/M**2)												
NOV. 30												
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0- 1	0.47	0.71	0.46	0.73	0.0	-0.24	-0.24	0.488	0.472	0.441	0.404	
1- 2	0.47	0.71	0.46	0.72	0.0	-0.24	-0.24	0.591	0.560	0.512	0.464	
2- 3	0.49	0.71	0.46	0.72	0.0	-0.22	-0.22	0.707	0.647	0.576	0.513	
3- 4	0.48	0.72	0.46	0.71	0.0	-0.24	-0.24	0.815	0.718	0.623	0.548	
4- 5	0.49	0.73	0.47	0.72	0.05	-0.23	-0.19	0.902	0.770	0.656	0.572	
5- 6	0.50	0.74	0.46	0.74	0.13	-0.25	-0.12	0.969	0.809	0.681	0.590	
6- 7	0.50	0.76	0.47	0.75	0.23	-0.26	-0.04	1.018	0.836	0.698	0.602	
7- 8	0.49	0.79	0.45	0.77	0.33	-0.30	0.03	1.052	0.854	0.710	0.611	
8- 9	0.50	0.82	0.49	0.82	0.42	-0.32	0.10	1.077	0.866	0.716	0.619	
9-10	0.49	0.85	0.49	0.84	0.49	-0.36	0.13	1.093	0.875	0.725	0.621	
10-11	0.50	0.87	0.50	0.86	0.58	-0.37	0.21	1.104	0.879	0.726	0.622	
11-12	0.50	0.89	0.51	0.88	0.62	-0.39	0.23	1.109	0.880	0.728	0.623	
12-13	0.51	0.89	0.50	0.89	0.64	-0.38	0.26	1.110	0.882	0.729	0.624	
13-14	0.51	0.89	0.52	0.90	0.63	-0.39	0.25	1.103	0.880	0.724	0.625	
14-15	0.51	0.90	0.52	0.93	0.60	-0.39	0.21	1.091	0.873	0.721	0.618	
15-16	0.52	0.90	0.53	0.93	0.53	-0.38	0.15	1.073	0.863	0.714	0.614	
16-17	0.53	0.89	0.52	0.92	0.45	-0.36	0.09	1.045	0.848	0.704	0.607	
17-18	0.54	0.88	0.53	0.90	0.34	-0.34	0.00	1.008	0.828	0.691	0.595	
18-19	0.52	0.85	0.51	0.87	0.22	-0.33	-0.11	0.953	0.798	0.671	0.581	
19-20	0.52	0.83	0.52	0.85	0.13	-0.31	-0.16	0.863	0.740	0.630	0.550	
20-21	0.52	0.81	0.51	0.83	0.05	-0.29	-0.24	0.778	0.689	0.599	0.526	
21-22	0.52	0.77	0.51	0.80	0.0	-0.25	-0.25	0.664	0.611	0.545	0.485	
22-23	0.51	0.76	0.50	0.77	0.0	-0.24	-0.24	0.551	0.524	0.479	0.433	
23-24	0.52	0.74	0.51	0.76	0.0	-0.22	-0.22	0.479	0.463	0.431	0.394	
TOTAL	12.12	19.40	11.89	19.58	6.42	-7.28	-0.86					

SHORTWAVE RADIATION (MJ/M**2)													
DEC. 1	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.14	0.06	0.09	0.09	0.16	0.11	0.08	0.07	0.12	0.09	0.08	0.02	
1- 2	0.23	0.13	0.14	0.13	0.25	0.17	0.14	0.12	0.19	0.13	0.14	0.05	
2- 3	0.38	0.27	0.25	0.22	0.40	0.30	0.24	0.21	0.34	0.20	0.27	0.12	
3- 4	0.64	0.46	0.39	0.35	0.63	0.48	0.36	0.30	0.60	0.34	0.48	0.23	
4- 5	0.96	0.71	0.58	0.51	0.89	0.66	0.49	0.41	0.94	0.50	0.72	0.33	
5- 6	1.33	0.99	0.79	0.70	1.17	0.86	0.62	0.52	1.31	0.70	0.99	0.44	
6- 7	1.71	1.28	1.02	0.89	1.46	1.05	0.76	0.62	1.75	0.92	1.26	0.55	
7- 8	2.08	1.55	1.23	1.07	1.72	1.22	0.89	0.72	2.11	1.10	1.53	0.65	
8- 9	2.40	1.79	1.40	1.24	1.94	1.36	0.99	0.80	2.44	1.27	1.78	0.76	
9-10	2.66	1.99	1.55	1.37	2.13	1.48	1.07	0.87	2.70	1.40	2.00	0.85	
10-11	2.85	2.14	1.66	1.47	2.27	1.57	1.14	0.92	2.86	1.48	2.18	0.92	
11-12	2.94	2.21	1.72	1.51	2.28	1.57	1.14	0.93	2.95	1.52	2.29	0.96	
12-13	2.93	2.20	1.72	1.50	2.24	1.53	1.13	0.90	2.93	1.52	2.29	0.96	
13-14	2.81	2.11	1.65	1.44	2.13	1.46	1.07	0.86	2.80	1.46	2.20	0.93	
14-15	2.60	1.96	1.53	1.33	1.96	1.34	1.00	0.80	2.58	1.34	2.05	0.87	
15-16	2.30	1.75	1.37	1.20	1.75	1.21	0.89	0.72	2.28	1.19	1.83	0.78	
16-17	1.97	1.49	1.17	1.03	1.49	1.05	0.77	0.63	1.93	1.01	1.57	0.69	
17-18	1.58	1.20	0.94	0.84	1.22	0.86	0.64	0.53	1.60	0.84	1.28	0.57	
18-19	1.18	0.88	0.71	0.64	0.94	0.67	0.50	0.42	1.22	0.66	0.98	0.44	
19-20	0.82	0.61	0.49	0.46	0.69	0.51	0.37	0.32	0.68	0.34	0.70	0.33	
20-21	0.54	0.37	0.32	0.30	0.48	0.37	0.27	0.24	0.53	0.32	0.47	0.23	
21-22	0.32	0.20	0.19	0.18	0.32	0.25	0.19	0.17	0.37	0.17	0.29	0.15	
22-23	0.19	0.09	0.11	0.11	0.20	0.16	0.12	0.11	0.21	0.11	0.18	0.09	
23-24	0.18	0.06	0.08	0.11	0.16	0.13	0.11	0.08	0.14	0.11	0.12	0.06	
TOTAL	35.72	26.46	21.10	18.69	28.89	20.36	14.99	12.27	35.59	18.71	27.68	11.98	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
DEC. 1	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(530)	(630)	(695)			
0- 1	0.52	0.73	0.51	0.75	0.0	-0.21	-0.21	0.474	0.457	0.425	0.387		
1- 2	0.53	0.74	0.51	0.75	0.0	-0.21	-0.21	0.578	0.546	0.497	0.447		
2- 3	0.53	0.74	0.50	0.75	0.0	-0.21	-0.21	0.696	0.634	0.562	0.498		
3- 4	0.53	0.74	0.50	0.75	0.01	-0.22	-0.21	0.807	0.709	0.613	0.538		
4- 5	0.51	0.75	0.50	0.75	0.07	-0.24	-0.17	0.897	0.765	0.650	0.565		
5- 6	0.52	0.76	0.50	0.77	0.16	-0.24	-0.08	0.964	0.803	0.675	0.584		
6- 7	0.52	0.78	0.50	0.79	0.26	-0.27	-0.01	1.012	0.830	0.692	0.597		
7- 8	0.52	0.81	0.50	0.81	0.36	-0.29	0.07	1.047	0.849	0.704	0.606		
8- 9	0.51	0.83	0.51	0.82	0.45	-0.32	0.13	1.072	0.861	0.712	0.613		
9-10	0.50	0.85	0.52	0.86	0.53	-0.35	0.18	1.089	0.871	0.718	0.614		
10-11	0.51	0.87	0.51	0.89	0.58	-0.36	0.22	1.100	0.876	0.720	0.622		
11-12	0.51	0.90	0.52	0.92	0.66	-0.38	0.28	1.104	0.882	0.721	0.624		
12-13	0.53	0.90	0.53	0.93	0.69	-0.37	0.31	1.106	0.880	0.722	0.622		
13-14	0.52	0.91	0.53	0.94	0.67	-0.39	0.28	1.102	0.877	0.723	0.618		
14-15	0.52	0.92	0.53	0.94	0.63	-0.40	0.24	1.091	0.872	0.719	0.619		
15-16	0.54	0.91	0.53	0.93	0.56	-0.37	0.19	1.074	0.862	0.713	0.612		
16-17	0.53	0.90	0.53	0.93	0.47	-0.36	0.11	1.049	0.850	0.706	0.606		
17-18	0.53	0.89	0.53	0.91	0.36	-0.35	0.00	1.013	0.831	0.693	0.597		
18-19	0.52	0.85	0.51	0.88	0.24	-0.33	-0.09	0.961	0.802	0.674	0.583		
19-20	0.52	0.81	0.52	0.84	0.13	-0.30	-0.16	0.870	0.745	0.634	0.552		
20-21	0.52	0.79	0.52	0.83	0.06	-0.27	-0.21	0.790	0.698	0.605	0.531		
21-22	0.52	0.77	0.51	0.80	0.00	-0.25	-0.25	0.679	0.623	0.553	0.492		
22-23	0.52	0.75	0.50	0.77	0.0	-0.23	-0.23	0.571	0.541	0.493	0.445		
23-24	0.52	0.73	0.51	0.76	0.02	-0.21	-0.19	0.501	0.483	0.449	0.408		
TOTAL	12.50	19.64	12.33	20.07	6.90	-7.13	-0.24						



DEC. 2	SHORTWAVE RADIATION (MJ/M**2)												
	HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
		(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.18	0.06	0.10	0.10	0.17	0.14	0.11	0.10	0.14	0.10	0.13	0.07	
1-2	0.25	0.14	0.15	0.14	0.26	0.22	0.17	0.14	0.20	0.13	0.19	0.09	
2-3	0.39	0.28	0.25	0.22	0.42	0.34	0.25	0.22	0.35	0.21	0.31	0.15	
3-4	0.64	0.47	0.40	0.36	0.65	0.50	0.37	0.31	0.60	0.34	0.50	0.24	
4-5	0.97	0.71	0.59	0.52	0.91	0.68	0.50	0.42	0.94	0.51	0.74	0.34	
5-6	1.34	0.99	0.80	0.71	1.19	0.88	0.63	0.53	1.32	0.70	1.01	0.45	
6-7	1.73	1.28	1.03	0.90	1.48	1.07	0.78	0.64	1.76	0.92	1.30	0.56	
7-8	2.09	1.56	1.24	1.08	1.74	1.24	0.89	0.74	2.13	1.12	1.57	0.66	
8-9	2.42	1.80	1.42	1.24	1.96	1.38	0.99	0.81	2.46	1.28	1.82	0.77	
9-10	2.68	2.00	1.56	1.39	2.13	1.49	1.07	0.88	2.72	1.41	2.05	0.86	
10-11	2.87	2.15	1.68	1.49	2.25	1.56	1.12	0.91	2.88	1.49	2.21	0.92	
11-12	2.95	2.22	1.73	1.52	2.28	1.57	1.14	0.93	2.97	1.53	2.30	0.96	
12-13	2.94	2.21	1.73	1.51	2.23	1.53	1.12	0.90	2.95	1.53	2.29	0.96	
13-14	2.82	2.12	1.66	1.45	2.12	1.44	1.07	0.86	2.82	1.47	2.22	0.93	
14-15	2.60	1.97	1.54	1.35	1.96	1.33	0.99	0.80	2.60	1.36	2.07	0.87	
15-16	2.31	1.75	1.38	1.20	1.75	1.20	0.89	0.72	2.30	1.20	1.84	0.78	
16-17	1.90	1.50	1.18	1.04	1.50	1.05	0.77	0.64	1.97	1.03	1.58	0.69	
17-18	1.59	1.20	0.94	0.84	1.22	0.86	0.65	0.53	1.61	0.85	1.29	0.58	
18-19	1.10	0.89	0.72	0.64	0.94	0.67	0.51	0.42	1.23	0.67	0.99	0.45	
19-20	0.81	0.61	0.48	0.46	0.68	0.50	0.37	0.32	0.68	0.34	0.71	0.33	
20-21	0.54	0.38	0.33	0.30	0.48	0.36	0.26	0.24	0.53	0.32	0.48	0.23	
21-22	0.33	0.20	0.20	0.18	0.32	0.25	0.18	0.16	0.37	0.17	0.30	0.15	
22-23	0.24	0.11	0.12	0.12	0.21	0.17	0.12	0.11	0.22	0.11	0.18	0.09	
23-24	0.28	0.14	0.09	0.13	0.16	0.13	0.11	0.09	0.16	0.09	0.14	0.07	
TOTAL	36.12	26.76	21.29	18.88	29.02	20.55	15.07	12.41	35.92	18.88	28.19	12.22	

DEC. 2	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL				
0-1	0.52	0.73	0.51	0.75	0.00	-0.22	-0.21	0.493	0.474	0.438	0.399
1-2	0.52	0.72	0.51	0.75	0.0	-0.20	-0.20	0.596	0.559	0.508	0.457
2-3	0.53	0.72	0.51	0.75	0.0	-0.19	-0.19	0.710	0.645	0.570	0.505
3-4	0.52	0.72	0.50	0.76	0.0	-0.20	-0.20	0.818	0.718	0.620	0.543
4-5	0.52	0.73	0.51	0.78	0.05	-0.22	-0.16	0.906	0.771	0.655	0.570
5-6	0.52	0.75	0.50	0.79	0.14	-0.24	-0.09	0.972	0.809	0.679	0.588
6-7	0.51	0.77	0.50	0.81	0.24	-0.26	-0.02	1.020	0.836	0.697	0.601
7-8	0.51	0.79	0.50	0.82	0.36	-0.29	0.07	1.054	0.854	0.708	0.610
8-9	0.51	0.82	0.49	0.84	0.46	-0.31	0.15	1.079	0.867	0.717	0.617
9-10	0.50	0.85	0.50	0.86	0.54	-0.36	0.19	1.095	0.876	0.723	0.621
10-11	0.50	0.88	0.51	0.89	0.62	-0.38	0.24	1.106	0.880	0.727	0.623
11-12	0.51	0.90	0.51	0.91	0.67	-0.39	0.28	1.111	0.882	0.729	0.624
12-13	0.51	0.93	0.52	0.92	0.71	-0.42	0.29	1.111	0.885	0.727	0.626
13-14	0.51	0.93	0.52	0.93	0.70	-0.42	0.28	1.107	0.880	0.725	0.622
14-15	0.51	0.93	0.52	0.94	0.64	-0.41	0.23	1.096	0.876	0.722	0.621
15-16	0.53	0.91	0.52	0.93	0.57	-0.39	0.18	1.077	0.866	0.716	0.615
16-17	0.54	0.89	0.53	0.92	0.48	-0.36	0.12	1.049	0.851	0.706	0.607
17-18	0.54	0.89	0.52	0.90	0.36	-0.35	0.01	1.012	0.830	0.692	0.597
18-19	0.53	0.86	0.50	0.88	0.24	-0.33	-0.09	0.962	0.803	0.676	0.585
19-20	0.53	0.81	0.52	0.84	0.13	-0.29	-0.16	0.876	0.749	0.637	0.555
20-21	0.52	0.78	0.51	0.81	0.07	-0.26	-0.19	0.794	0.701	0.608	0.532
21-22	0.51	0.75	0.50	0.79	0.02	-0.24	-0.22	0.681	0.624	0.554	0.492
22-23	0.51	0.74	0.51	0.77	0.04	-0.23	-0.19	0.576	0.544	0.496	0.447
23-24	0.51	0.73	0.50	0.75	0.12	-0.22	-0.10	0.510	0.490	0.454	0.413
TOTAL	12.40	19.55	12.23	20.10	7.15	-7.15	0.00				

SHORTWAVE RADIATION (MJ/M**2)													
DEC. 3	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
HOUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.41*	0.20	0.13	0.16	0.18	0.14	0.12	0.10	0.19	0.10	0.14	0.08	
1- 2	0.53*	0.30	0.21	0.20	0.27	0.22	0.17	0.15	0.32	0.14	0.19	0.10	
2- 3	0.77*	0.48	0.32	0.30	0.42	0.34	0.25	0.22	0.52	0.22	0.31	0.16	
3- 4	1.05*	0.73	0.46	0.44	0.65	0.49	0.37	0.31	0.87	0.35	0.49	0.24	
4- 5	1.25*	0.98	0.63	0.59	0.91	0.68	0.50	0.42	1.35	0.51	0.74	0.34	
5- 6	1.43*	1.21	0.81	0.74	1.20	0.88	0.64	0.53	1.82	0.70	1.01	0.45	
6- 7	1.60*	1.40	1.03	0.91	1.49	1.07	0.78	0.65	1.99	0.93	1.31	0.57	
7- 8	1.79*	1.58	1.24	1.09	1.75	1.25	0.90	0.74	1.93	1.12	1.58	0.67	
8- 9	2.04*	1.81	1.42	1.25	1.97	1.39	0.99	0.82	2.02	1.28	1.84	0.78	
9-10	2.43*	2.01	1.57	1.39	2.15	1.50	1.07	0.88	2.27	1.41	2.06	0.87	
10-11	2.87	2.16	1.68	1.49	2.25	1.56	1.13	0.92	2.63	1.49	2.22	0.93	
11-12	2.96	2.23	1.74	1.53	2.28	1.58	1.14	0.93	3.10	1.53	2.31	0.96	
12-13	2.96	2.22	1.74	1.52	2.26	1.55	1.13	0.91	3.17	1.53	2.31	0.96	
13-14	2.84	2.14	1.67	1.46	2.14	1.46	1.08	0.87	2.94	1.48	2.22	0.93	
14-15	2.62	1.99	1.55	1.36	1.97	1.35	1.00	0.80	2.63	1.36	2.06	0.88	
15-16	2.33	1.77	1.39	1.21	1.75	1.21	0.89	0.72	2.32	1.21	1.84	0.78	
16-17	1.99	1.51	1.19	1.05	1.50	1.05	0.77	0.63	1.99	1.04	1.58	0.68	
17-18	1.60	1.21	0.95	0.85	1.22	0.86	0.64	0.52	1.62	0.86	1.28	0.56	
18-19	1.20	0.91	0.72	0.65	0.95	0.68	0.51	0.42	1.25	0.67	1.00	0.46	
19-20	0.83	0.62	0.49	0.47	0.70	0.52	0.38	0.33	0.71	0.35	0.73	0.34	
20-21	0.57	0.49	0.34	0.32	0.49	0.27	0.28	0.24	0.54	0.33	0.49	0.24	
21-22	0.35	0.39	0.21	0.19	0.34	0.27	0.19	0.17	0.39	0.19	0.31	0.16	
22-23	0.22	0.39	0.13	0.12	0.22	0.27	0.13	0.12	0.24	0.12	0.19	0.10	
23-24	0.15	0.39	0.08	0.09	0.19	0.27	0.11	0.10	0.17	0.09	0.14	0.08	
TOTAL	36.79	99.99	21.69	19.38	29.25	99.99	15.18	12.50	36.95	19.02	28.34	12.32	

DEC. 3	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL				
0- 1	0.51	0.72	0.49	0.75	0.23	-0.21	0.02	0.496	0.476	0.439	0.399
1- 2	0.51	0.72	0.50	0.75	0.26	-0.21	0.06	0.600	0.564	0.510	0.458
2- 3	0.52	0.71	0.50	0.77	0.34	-0.19	0.15	0.711	0.645	0.570	0.505
3- 4	0.51	0.72	0.49	0.76	0.41	-0.21	0.20	0.818	0.717	0.619	0.542
4- 5	0.51	0.73	0.49	0.76	0.34	-0.22	0.12	0.904	0.769	0.654	0.568
5- 6	0.51	0.74	0.48	0.79	0.23	-0.24	-0.00	0.970	0.807	0.678	0.587
6- 7	0.51	0.76	0.49	0.80	0.11	-0.26	-0.15	1.018	0.834	0.696	0.600
7- 8	0.51	0.79	0.50	0.82	0.04	-0.28	-0.24	1.053	0.852	0.707	0.609
8- 9	0.50	0.82	0.49	0.83	0.07	-0.31	-0.24	1.078	0.866	0.717	0.617
9-10	0.49	0.85	0.50	0.87	0.28	-0.36	-0.07	1.095	0.875	0.723	0.621
10-11	0.50	0.87	0.50	0.89	0.62	-0.37	0.25	1.106	0.879	0.726	0.622
11-12	0.50	0.89	0.51	0.90	0.68	-0.39	0.29	1.110	0.881	0.728	0.623
12-13	0.50	0.90	0.50	0.92	0.70	-0.40	0.31	1.111	0.882	0.729	0.624
13-14	0.50	0.90	0.51	0.93	0.69	-0.40	0.29	1.107	0.882	0.728	0.625
14-15	0.50	0.92	0.52	0.93	0.65	-0.42	0.23	1.098	0.877	0.724	0.621
15-16	0.51	0.91	0.51	0.92	0.58	-0.40	0.19	1.082	0.869	0.718	0.617
16-17	0.53	0.90	0.52	0.92	0.50	-0.37	0.13	1.058	0.857	0.711	0.612
17-18	0.53	0.87	0.52	0.90	0.38	-0.35	0.03	1.024	0.840	0.700	0.603
18-19	0.50	0.83	0.48	0.85	0.25	-0.33	-0.06	0.966	0.806	0.678	0.587
19-20	0.51	0.80	0.51	0.84	0.13	-0.30	-0.17	0.876	0.749	0.637	0.554
20-21	0.51	0.79	0.50	0.81	0.07	-0.28	-0.21	0.799	0.704	0.610	0.535
21-22	0.51	0.76	0.51	0.79	0.01	-0.25	-0.24	0.693	0.633	0.562	0.499
22-23	0.50	0.74	0.50	0.77	0.0	-0.23	-0.23	0.587	0.554	0.504	0.453
23-24	0.51	0.74	0.50	0.76	0.0	-0.23	-0.23	0.522	0.501	0.463	0.420
TOTAL	12.17	19.38	12.02	20.02	7.58	-7.21	0.37				

SHORTWAVE RADIATION (MJ/M**2)													
DEC. 4													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.16	9.99	0.10	0.10	0.20	9.99	0.12	0.11	0.16	0.09	0.14	0.08	
1-2	0.24	9.99	0.16	0.14	0.28	9.99	0.18	0.15	0.21	0.13	0.20	0.10	
2-3	0.41	9.99	0.26	0.23	0.44	9.99	0.26	0.22	0.37	0.21	0.32	0.16	
3-4	0.66	9.99	0.41	0.37	0.65	9.99	0.38	0.32	0.63	0.35	0.52	0.24	
4-5	0.98	9.99	0.60	0.53	0.92	9.99	0.51	0.43	0.97	0.52	0.76	0.34	
5-6	1.35	9.99	0.81	0.72	1.20	9.99	0.64	0.54	1.34	0.71	1.03	0.45	
6-7	1.74	9.99	1.03	0.91	1.49	9.99	0.78	0.65	1.77	0.93	1.32	0.57	
7-8	2.10	9.99	1.25	1.09	1.75	9.99	0.90	0.74	2.12	1.12	1.59	0.67	
8-9	2.43	9.99	1.43	1.25	1.96	9.99	0.99	0.82	2.48	1.29	1.85	0.78	
9-10	2.70	9.99	1.58	1.40	2.14	9.99	1.07	0.88	2.74	1.42	2.08	0.87	
10-11	2.89	9.99	1.69	1.50	2.26	9.99	1.13	0.92	2.90	1.50	2.24	0.94	
11-12	2.98	9.99	1.75	1.54	2.30	9.99	1.14	0.93	2.99	1.54	2.34	0.97	
12-13	2.97	9.99	1.75	1.53	2.27	9.99	1.13	0.91	2.98	1.54	2.34	0.97	
13-14	2.85	9.99	1.68	1.47	2.17	9.99	1.08	0.87	2.85	1.48	2.25	0.95	
14-15	2.63	9.99	1.56	1.36	2.00	9.99	1.00	0.80	2.63	1.37	2.10	0.88	
15-16	2.35	9.99	1.39	1.22	1.78	9.99	0.90	0.73	2.33	1.21	1.87	0.80	
16-17	2.01	9.99	1.20	1.06	1.53	9.99	0.78	0.64	2.00	1.04	1.61	0.70	
17-18	1.62	9.99	0.97	0.87	1.26	9.99	0.66	0.54	1.64	0.86	1.32	0.59	
18-19	1.22	9.99	0.74	0.66	0.98	9.99	0.52	0.44	1.26	0.68	1.02	0.46	
19-20	0.86	9.99	0.50	0.48	0.73	9.99	0.39	0.34	0.72	0.35	0.74	0.35	
20-21	0.58	9.99	0.35	0.32	0.51	9.99	0.28	0.25	0.56	0.34	0.50	0.25	
21-22	0.35	9.99	0.22	0.20	0.35	9.99	0.20	0.18	0.40	0.20	0.32	0.16	
22-23	0.23	9.99	0.14	0.13	0.23	9.99	0.14	0.12	0.25	0.13	0.20	0.10	
23-24	0.16	9.99	0.09	0.09	0.19	9.99	0.11	0.11	0.17	0.10	0.15	0.08	
TOTAL	36.47	99.99	21.63	19.16	29.61	99.99	15.30	12.65	36.47	19.11	28.84	12.47	

LONGWAVE RADIATION (MJ/M**2)													
DEC. 4													
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.50	0.73	0.49	0.74	0.0	-0.23	-0.23	0.513	0.490	0.454	0.411		
1-2	0.50	0.72	0.49	0.74	0.0	-0.22	-0.22	0.608	0.571	0.516	0.464		
2-3	0.52	0.72	0.49	0.75	0.0	-0.20	-0.20	0.716	0.649	0.574	0.508		
3-4	0.50	0.72	0.49	0.74	0.00	-0.22	-0.22	0.822	0.720	0.622	0.545		
4-5	0.50	0.73	0.48	0.75	0.06	-0.23	-0.17	0.908	0.773	0.658	0.572		
5-6	0.50	0.75	0.48	0.77	0.15	-0.25	-0.10	0.971	0.809	0.680	0.589		
6-7	0.50	0.76	0.48	0.79	0.25	-0.26	-0.01	1.018	0.835	0.696	0.601		
7-8	0.49	0.78	0.48	0.80	0.35	-0.29	0.07	1.052	0.853	0.709	0.610		
8-9	0.49	0.81	0.48	0.81	0.47	-0.31	0.16	1.077	0.866	0.717	0.618		
9-10	0.48	0.83	0.49	0.84	0.55	-0.35	0.21	1.095	0.876	0.724	0.620		
10-11	0.48	0.85	0.49	0.87	0.63	-0.37	0.26	1.105	0.882	0.725	0.626		
11-12	0.49	0.87	0.50	0.89	0.67	-0.38	0.29	1.114	0.886	0.727	0.629		
12-13	0.49	0.89	0.50	0.89	0.70	-0.39	0.30	1.112	0.887	0.728	0.625		
13-14	0.49	0.90	0.51	0.91	0.68	-0.41	0.27	1.109	0.882	0.729	0.624		
14-15	0.49	0.90	0.51	0.92	0.63	-0.42	0.22	1.098	0.878	0.724	0.622		
15-16	0.50	0.89	0.51	0.91	0.56	-0.39	0.17	1.079	0.867	0.718	0.617		
16-17	0.52	0.87	0.51	0.90	0.48	-0.36	0.12	1.052	0.853	0.708	0.609		
17-18	0.51	0.87	0.50	0.89	0.36	-0.36	0.00	1.015	0.833	0.695	0.600		
18-19	0.50	0.84	0.49	0.86	0.24	-0.34	-0.10	0.962	0.803	0.676	0.585		
19-20	0.50	0.81	0.51	0.83	0.13	-0.30	-0.18	0.875	0.748	0.636	0.554		
20-21	0.50	0.78	0.50	0.81	0.07	-0.28	-0.22	0.798	0.704	0.609	0.535		
21-22	0.50	0.76	0.49	0.77	0.01	-0.25	-0.25	0.693	0.633	0.562	0.499		
22-23	0.50	0.73	0.48	0.75	0.00	-0.23	-0.23	0.594	0.560	0.509	0.458		
23-24	0.49	0.72	0.48	0.75	0.0	-0.22	-0.22	0.531	0.508	0.470	0.426		
TOTAL	11.95	19.22	11.81	19.67	7.00	-7.27	-0.27						

SHORTWAVE RADIATION (MJ/M**2)													
DEC. 5	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
HOUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.17	9.99	0.11	0.10	0.20	9.99	0.13	0.11	0.16	0.11	0.15	0.08	
1-2	0.24	9.99	0.17	0.14	0.29	9.99	0.18	0.16	0.22	0.14	0.21	0.11	
2-3	0.42	9.99	0.27	0.24	0.45	9.99	0.27	0.23	0.38	0.22	0.33	0.16	
3-4	0.67	9.99	0.42	0.38	0.67	9.99	0.39	0.33	0.65	0.36	0.53	0.25	
4-5	1.00	9.99	0.60	0.54	0.94	9.99	0.52	0.43	0.98	0.53	0.77	0.35	
5-6	1.37	9.99	0.82	0.73	1.22	9.99	0.65	0.54	1.36	0.72	1.04	0.46	
6-7	1.75	9.99	1.04	0.92	1.50	9.99	0.78	0.65	1.78	0.94	1.33	0.58	
7-8	2.12	9.99	1.26	1.10	1.76	9.99	0.90	0.75	2.15	1.13	1.61	0.68	
8-9	2.44	9.99	1.43	1.26	1.97	9.99	0.99	0.82	2.49	1.30	1.86	0.78	
9-10	2.71	9.99	1.58	1.40	2.15	9.99	1.08	0.89	2.75	1.42	2.09	0.88	
10-11	2.90	9.99	1.69	1.50	2.27	9.99	1.13	0.92	2.92	1.50	2.26	0.94	
11-12	2.99	9.99	1.74	1.54	2.32	9.99	1.15	0.93	3.01	1.54	2.35	0.98	
12-13	2.98	9.99	1.75	1.53	2.28	9.99	1.13	0.92	2.99	1.54	2.36	0.98	
13-14	2.84	9.99	1.66	1.45	2.17	9.99	1.08	0.87	2.85	1.46	2.26	0.94	
14-15	2.61	9.99	1.53	1.34	1.99	9.99	1.00	0.80	2.60	1.33	2.09	0.88	
15-16	2.35	9.99	1.39	1.22	1.80	9.99	0.91	0.73	2.34	1.21	1.89	0.81	
16-17	2.03	9.99	1.21	1.06	1.55	9.99	0.79	0.64	2.02	1.04	2.36	0.71	
17-18	1.65	9.99	0.98	0.87	1.28	9.99	0.66	0.54	1.67	0.87	1.35	0.60	
18-19	1.21	9.99	0.73	0.65	0.97	9.99	0.51	0.43	1.25	0.67	1.02	0.46	
19-20	0.78	9.99	0.46	0.43	0.66	9.99	0.35	0.30	0.73	0.36	0.67	0.30	
20-21	0.47	9.99	0.28	0.25	0.41	9.99	0.21	0.18	0.45	0.25	0.40	0.18	
21-22	0.26	9.99	0.16	0.14	0.25	9.99	0.13	0.11	0.27	0.13	0.23	0.10	
22-23	0.23	9.99	0.14	0.13	0.21	9.99	0.13	0.11	0.24	0.13	0.19	0.10	
23-24	0.21	9.99	0.12	0.13	0.22	9.99	0.14	0.11	0.22	0.12	0.17	0.09	
TOTAL	36.41	99.99	21.53	19.06	29.55	99.99	15.21	12.51	36.49	19.00	29.55	12.40	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)														
DEC. 5	(SURFACE)				(30M)			(SURFACE)			(BLANK)			
HOUR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.49	0.72	0.48	0.74	0.0	-0.23	-0.23	0.520	0.497	0.458	0.416			
1-2	0.49	0.72	0.47	0.74	0.0	-0.23	-0.23	0.619	0.580	0.525	0.472			
2-3	0.51	0.71	0.48	0.73	0.0	-0.21	-0.21	0.726	0.658	0.581	0.516			
3-4	0.49	0.72	0.47	0.73	0.00	-0.23	-0.23	0.832	0.729	0.629	0.552			
4-5	0.50	0.73	0.48	0.75	0.06	-0.24	-0.18	0.915	0.779	0.662	0.577			
5-6	0.49	0.75	0.48	0.77	0.15	-0.26	-0.11	0.978	0.815	0.685	0.593			
6-7	0.50	0.77	0.49	0.79	0.25	-0.27	-0.03	1.022	0.838	0.698	0.603			
7-8	0.50	0.80	0.49	0.79	0.36	-0.29	0.07	1.032	0.836	0.693	0.597			
8-9	0.49	0.82	0.49	0.82	0.47	-0.33	0.14	1.076	0.864	0.715	0.617			
9-10	0.49	0.84	0.49	0.84	0.56	-0.35	0.20	1.097	0.878	0.726	0.621			
10-11	0.49	0.87	0.50	0.88	0.63	-0.38	0.25	1.107	0.880	0.727	0.622			
11-12	0.50	0.89	0.51	0.89	0.67	-0.39	0.28	1.089	0.865	0.713	0.610			
12-13	0.51	0.89	0.52	0.91	0.70	-0.38	0.32	1.089	0.866	0.712	0.611			
13-14	0.52	0.89	0.53	0.93	0.67	-0.37	0.30	0.992	0.787	0.648	0.556			
14-15	0.53	0.90	0.54	0.92	0.62	-0.37	0.25	0.953	0.761	0.627	0.537			
15-16	0.53	0.91	0.54	0.92	0.55	-0.37	0.18	0.969	0.779	0.642	0.551			
16-17	0.54	0.89	0.53	0.91	0.48	-0.35	0.13	0.997	0.807	0.671	0.576			
17-18	0.54	0.88	0.53	0.89	0.36	-0.34	0.02	1.004	0.823	0.686	0.591			
18-19	0.53	0.86	0.51	0.87	0.24	-0.33	-0.10	0.897	0.748	0.627	0.540			
19-20	0.55	0.83	0.55	0.83	0.12	-0.27	-0.16	0.541	0.458	0.387	0.335			
20-21	0.60	0.80	0.60	0.82	0.06	-0.20	-0.14	0.205	0.180	0.154	0.134			
21-22	0.56	0.77	0.55	0.80	0.02	-0.21	-0.19	0.154	0.139	0.122	0.108			
22-23	0.54	0.76	0.53	0.77	0.02	-0.22	-0.20	0.340	0.321	0.292	0.263			
23-24	0.53	0.76	0.52	0.77	0.0	-0.23	-0.23	0.493	0.471	0.434	0.393			
TOTAL	12.43	19.50	12.28	19.82	6.97	-7.07	-0.10							

SHORTWAVE RADIATION (MJ/M**2)													
DEC. 6													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.18	9.99	0.12	0.10	0.21	9.99	0.13	0.11	0.17	0.11	0.15	0.08	
1-2	0.28	9.99	0.19	0.16	0.31	9.99	0.19	0.17	0.26	0.15	0.23	0.12	
2-3	0.43	9.99	0.28	0.25	0.46	9.99	0.28	0.24	0.40	0.23	0.34	0.17	
3-4	0.69	9.99	0.43	0.38	0.69	9.99	0.39	0.33	0.66	0.37	0.54	0.25	
4-5	1.03	9.99	0.62	0.55	0.95	9.99	0.52	0.44	1.01	0.54	0.79	0.36	
5-6	1.37	9.99	0.83	0.73	1.22	9.99	0.65	0.55	1.36	0.73	1.05	0.46	
6-7	1.76	9.99	1.05	0.93	1.51	9.99	0.79	0.65	1.80	0.95	1.34	0.58	
7-8	2.13	9.99	1.27	1.12	1.76	9.99	0.91	0.75	2.16	1.14	1.62	0.69	
8-9	2.46	9.99	1.45	1.27	1.98	9.99	1.00	0.83	2.51	1.31	1.88	0.79	
9-10	2.73	9.99	1.60	1.42	2.16	9.99	1.08	0.89	2.78	1.44	2.11	0.89	
10-11	2.92	9.99	1.72	1.52	2.29	9.99	1.14	0.94	2.94	1.52	2.28	0.96	
11-12	3.02	9.99	1.77	1.56	2.33	9.99	1.17	0.94	3.03	1.56	2.37	0.99	
12-13	3.01	9.99	1.77	1.55	2.30	9.99	1.15	0.92	3.02	1.56	2.37	0.99	
13-14	2.88	9.99	1.71	1.49	2.20	9.99	1.10	0.89	2.89	1.50	2.30	0.96	
14-15	2.67	9.99	1.58	1.38	2.04	9.99	1.02	0.82	2.66	1.38	2.14	0.91	
15-16	2.39	9.99	1.42	1.24	1.82	9.99	0.92	0.74	2.37	1.23	1.92	0.82	
16-17	2.05	9.99	1.22	1.08	1.57	9.99	0.80	0.66	2.05	1.07	1.65	0.72	
17-18	1.66	9.99	0.99	0.88	1.29	9.99	0.67	0.55	1.68	0.88	1.36	0.60	
18-19	1.27	9.99	0.76	0.68	1.01	9.99	0.53	0.45	1.29	0.70	1.05	0.47	
19-20	0.90	9.99	0.53	0.50	0.75	9.99	0.41	0.35	0.75	0.37	0.77	0.35	
20-21	0.61	9.99	0.37	0.34	0.53	9.99	0.29	0.27	0.58	0.35	0.52	0.25	
21-22	0.39	9.99	0.23	0.22	0.37	9.99	0.21	0.19	0.43	0.21	0.34	0.17	
22-23	0.24	9.99	0.15	0.13	0.25	9.99	0.15	0.13	0.27	0.14	0.22	0.11	
23-24	0.19	9.99	0.11	0.11	0.20	9.99	0.13	0.11	0.20	0.11	0.16	0.08	
TOTAL	37.28	99.99	22.15	19.58	30.22	99.99	15.66	12.90	37.26	19.55	29.48	12.75	

LONGWAVE RADIATION (MJ/M**2)													
DEC. 6													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.50	0.75	0.50	0.75	0.0	-0.25	-0.25	0.472	0.450	0.413	0.373		
1-2	0.51	0.75	0.49	0.74	0.0	-0.24	-0.24	0.610	0.570	0.515	0.462		
2-3	0.51	0.75	0.47	0.75	0.0	-0.24	-0.24	0.729	0.659	0.582	0.515		
3-4	0.49	0.75	0.46	0.75	0.00	-0.26	-0.26	0.821	0.719	0.620	0.543		
4-5	0.49	0.75	0.47	0.74	0.08	-0.26	-0.18	0.885	0.752	0.640	0.557		
5-6	0.48	0.75	0.47	0.74	0.15	-0.27	-0.12	0.969	0.807	0.680	0.590		
6-7	0.48	0.77	0.47	0.76	0.26	-0.29	-0.03	1.018	0.834	0.697	0.603		
7-8	0.48	0.79	0.46	0.79	0.37	-0.31	0.06	1.057	0.856	0.712	0.616		
8-9	0.48	0.81	0.47	0.82	0.48	-0.33	0.15	1.093	0.872	0.723	0.623		
9-10	0.47	0.85	0.48	0.83	0.57	-0.38	0.19	1.101	0.881	0.730	0.628		
10-11	0.47	0.87	0.47	0.86	0.64	-0.39	0.24	1.114	0.887	0.733	0.630		
11-12	0.49	0.88	0.48	0.87	0.69	-0.39	0.30	1.117	0.888	0.734	0.630		
12-13	0.48	0.89	0.49	0.88	0.71	-0.41	0.30	1.117	0.888	0.735	0.630		
13-14	0.48	0.89	0.49	0.89	0.68	-0.41	0.27	1.113	0.886	0.732	0.629		
14-15	0.49	0.88	0.50	0.89	0.63	-0.39	0.24	1.099	0.879	0.728	0.625		
15-16	0.51	0.88	0.49	0.87	0.57	-0.37	0.19	1.082	0.870	0.721	0.621		
16-17	0.51	0.88	0.50	0.87	0.48	-0.37	0.12	1.057	0.857	0.712	0.614		
17-18	0.51	0.88	0.50	0.86	0.37	-0.36	0.01	1.021	0.837	0.700	0.605		
18-19	0.51	0.85	0.49	0.86	0.25	-0.34	-0.08	0.969	0.809	0.681	0.590		
19-20	0.50	0.82	0.50	0.84	0.15	-0.32	-0.17	0.884	0.754	0.642	0.559		
20-21	0.51	0.80	0.49	0.82	0.08	-0.29	-0.22	0.811	0.714	0.618	0.542		
21-22	0.50	0.78	0.48	0.78	0.02	-0.28	-0.26	0.712	0.648	0.573	0.509		
22-23	0.50	0.76	0.49	0.77	0.0	-0.27	-0.27	0.613	0.575	0.521	0.467		
23-24	0.49	0.75	0.48	0.75	0.0	-0.26	-0.26	0.548	0.523	0.481	0.435		
TOTAL	11.85	19.52	11.59	19.47	7.17	-7.67	-0.50						

SHORTWAVE RADIATION (MJ/M**2)												
DEC. 7	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HOUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.20	9.99	0.12	0.12	0.22	9.99	0.14	0.12	0.18	0.11	0.17	0.08
1- 2	0.27	9.99	0.18	0.15	0.31	9.99	0.19	0.16	0.24	0.15	0.22	0.11
2- 3	0.44	9.99	0.28	0.25	0.46	9.99	0.27	0.24	0.40	0.23	0.35	0.17
3- 4	0.69	9.99	0.42	0.38	0.68	9.99	0.39	0.33	0.66	0.37	0.54	0.25
4- 5	1.01	9.99	0.61	0.54	0.94	9.99	0.52	0.43	0.99	0.53	0.78	0.35
5- 6	1.38	9.99	0.82	0.73	1.22	9.99	0.65	0.55	1.36	0.72	1.05	0.46
6- 7	1.77	9.99	1.05	0.92	1.50	9.99	0.78	0.65	1.80	0.95	1.34	0.58
7- 8	2.13	9.99	1.27	1.11	1.76	9.99	0.90	0.75	2.16	1.14	1.62	0.68
8- 9	2.45	9.99	1.44	1.27	1.98	9.99	1.00	0.83	2.51	1.31	1.88	0.79
9-10	2.73	9.99	1.59	1.41	2.16	9.99	1.08	0.89	2.77	1.43	2.11	0.88
10-11	2.92	9.99	1.70	1.51	2.29	9.99	1.14	0.93	2.94	1.51	2.28	0.96
11-12	3.01	9.99	1.76	1.54	2.34	9.99	1.17	0.94	3.03	1.56	2.37	0.99
12-13	3.00	9.99	1.75	1.53	2.31	9.99	1.15	0.92	3.01	1.55	2.37	0.99
13-14	2.88	9.99	1.69	1.47	2.22	9.99	1.11	0.89	2.89	1.49	2.29	0.96
14-15	2.67	9.99	1.57	1.37	2.05	9.99	1.03	0.82	2.66	1.37	2.14	0.90
15-16	2.39	9.99	1.41	1.23	1.83	9.99	0.92	0.74	2.37	1.22	1.91	0.81
16-17	2.08	9.99	1.23	1.08	1.60	9.99	0.81	0.66	2.07	1.07	1.67	0.72
17-18	1.66	9.99	0.98	0.87	1.30	9.99	0.67	0.55	1.68	0.88	1.35	0.59
18-19	1.25	9.99	0.73	0.65	1.02	9.99	0.52	0.43	1.26	0.65	1.02	0.43
19-20	0.69	9.99	0.41	0.37	0.59	9.99	0.30	0.26	0.53	0.23	0.59	0.26
20-21	0.53	9.99	0.32	0.29	0.47	9.99	0.26	0.23	0.49	0.29	0.47	0.21
21-22	0.24	9.99	0.13	0.12	0.24	9.99	0.12	0.11	0.26	0.11	0.22	0.10
22-23	0.23	9.99	0.14	0.13	0.25	9.99	0.15	0.13	0.25	0.13	0.22	0.11
23-24	0.20	9.99	0.10	0.10	0.20	9.99	0.12	0.10	0.19	0.10	0.16	0.07
TOTAL	36.82	99.99	21.73	19.15	29.94	99.99	15.39	12.65	36.71	19.10	29.12	12.46

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
DEC. 7	(SURFACE)		(30M)		(SURFACE)			(BLANK)				
HOUR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0- 1	0.48	0.74	0.47	0.75	0.0	-0.26	-0.26	0.529	0.503	0.462	0.419	
1- 2	0.50	0.75	0.48	0.76	0.0	-0.26	-0.26	0.624	0.582	0.527	0.472	
2- 3	0.51	0.75	0.47	0.75	0.0	-0.25	-0.25	0.717	0.648	0.573	0.507	
3- 4	0.50	0.75	0.47	0.75	0.01	-0.26	-0.25	0.821	0.716	0.619	0.543	
4- 5	0.50	0.76	0.47	0.76	0.07	-0.26	-0.19	0.902	0.767	0.652	0.567	
5- 6	0.49	0.77	0.47	0.77	0.16	-0.28	-0.13	0.965	0.803	0.676	0.584	
6- 7	0.50	0.79	0.47	0.78	0.26	-0.29	-0.03	1.008	0.825	0.690	0.595	
7- 8	0.49	0.80	0.47	0.80	0.37	-0.31	0.06	1.048	0.848	0.705	0.609	
8- 9	0.49	0.82	0.48	0.83	0.47	-0.33	0.15	1.076	0.864	0.716	0.617	
9-10	0.49	0.86	0.49	0.85	0.56	-0.37	0.20	1.090	0.871	0.720	0.620	
10-11	0.50	0.87	0.50	0.86	0.63	-0.37	0.26	1.096	0.874	0.722	0.621	
11-12	0.50	0.89	0.50	0.87	0.67	-0.39	0.28	1.099	0.873	0.720	0.620	
12-13	0.50	0.90	0.50	0.89	0.69	-0.39	0.30	1.095	0.870	0.717	0.617	
13-14	0.51	0.90	0.51	0.91	0.67	-0.39	0.27	1.094	0.869	0.719	0.617	
14-15	0.52	0.89	0.52	0.90	0.62	-0.37	0.25	1.082	0.862	0.712	0.613	
15-16	0.52	0.89	0.53	0.90	0.56	-0.37	0.19	1.069	0.856	0.709	0.610	
16-17	0.54	0.89	0.53	0.90	0.48	-0.35	0.13	1.044	0.843	0.700	0.602	
17-18	0.53	0.89	0.53	0.90	0.36	-0.35	0.01	0.991	0.811	0.678	0.585	
18-19	0.64	0.88	0.63	0.89	0.24	-0.24	-0.01	0.466	0.383	0.319	0.272	
19-20	0.57	0.84	0.56	0.86	0.10	-0.28	-0.18	0.503	0.431	0.367	0.321	
20-21	0.54	0.82	0.53	0.83	0.06	-0.28	-0.22	0.582	0.507	0.437	0.382	
21-22	0.53	0.79	0.52	0.80	0.0	-0.26	-0.26	0.368	0.334	0.296	0.260	
22-23	0.52	0.78	0.51	0.79	0.0	-0.26	-0.26	0.595	0.556	0.502	0.450	
23-24	0.53	0.76	0.52	0.77	0.0	-0.23	-0.23	0.496	0.469	0.429	0.387	
TOTAL	12.40	19.79	12.11	19.85	6.98	-7.39	-0.41					

SHORTWAVE RADIATION (MJ/M**2)													
DEC. 8	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
HR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.19	9.99	0.10	0.09	0.18	9.99	0.11	0.09	0.16	0.09	0.14	0.07	
1-2	0.19	9.99	0.10	0.09	0.21	9.99	0.11	0.10	0.16	0.08	0.16	0.07	
2-3	0.43	9.99	0.24	0.21	0.41	9.99	0.24	0.21	0.34	0.19	0.31	0.15	
3-4	0.47	9.99	0.24	0.21	0.44	9.99	0.22	0.18	0.41	0.21	0.36	0.15	
4-5	1.10	9.99	0.60	0.54	0.94	9.99	0.51	0.43	1.00	0.53	0.78	0.35	
5-6	1.46	9.99	0.81	0.72	1.21	9.99	0.64	0.54	1.36	0.71	1.05	0.45	
6-7	1.83	9.99	1.04	0.91	1.50	9.99	0.77	0.64	1.79	0.93	1.34	0.57	
7-8	2.17	9.99	1.25	1.10	1.76	9.99	0.90	0.74	2.15	1.12	1.61	0.67	
8-9	2.47	9.99	1.43	1.26	1.98	9.99	0.99	0.82	2.49	1.29	1.87	0.78	
9-10	2.72	9.99	1.58	1.39	2.16	9.99	1.07	0.88	2.76	1.41	2.10	0.87	
10-11	2.91	9.99	1.69	1.49	2.28	9.99	1.13	0.92	2.93	1.49	2.27	0.93	
11-12	3.00	9.99	1.75	1.53	2.33	9.99	1.14	0.93	3.02	1.54	2.37	0.97	
12-13	2.99	9.99	1.74	1.52	2.31	9.99	1.13	0.92	3.02	1.54	2.35	0.97	
13-14	2.88	9.99	1.69	1.47	2.21	9.99	1.10	0.88	2.89	1.48	2.27	0.94	
14-15	2.66	9.99	1.56	1.36	2.05	9.99	1.02	0.81	2.66	1.37	2.12	0.89	
15-16	2.38	9.99	1.40	1.22	1.83	9.99	0.91	0.73	2.37	1.22	1.89	0.80	
16-17	2.06	9.99	1.21	1.07	1.58	9.99	0.80	0.65	2.05	1.06	1.64	0.71	
17-18	1.67	9.99	0.98	0.88	1.31	9.99	0.67	0.55	1.69	0.88	1.35	0.60	
18-19	1.27	9.99	0.76	0.67	1.02	9.99	0.53	0.44	1.30	0.69	1.05	0.47	
19-20	0.90	9.99	0.53	0.50	0.76	9.99	0.41	0.35	0.76	0.36	0.77	0.35	
20-21	0.62	9.99	0.37	0.34	0.54	9.99	0.30	0.26	0.58	0.35	0.53	0.25	
21-22	0.39	9.99	0.23	0.21	0.38	9.99	0.21	0.19	0.43	0.21	0.34	0.17	
22-23	0.24	9.99	0.15	0.13	0.26	9.99	0.15	0.14	0.27	0.14	0.22	0.12	
23-24	0.20	9.99	0.11	0.11	0.21	9.99	0.14	0.11	0.21	0.11	0.17	0.08	
TOTAL	37.21	99.99	21.57	19.02	29.84	99.99	15.20	12.52	36.79	18.99	29.05	12.37	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
DEC. 8	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
HR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(530)	(630)	(695)			
0-1	0.52	0.76	0.51	0.76	0.00	-0.24	-0.24	0.407	0.385	0.352	0.319		
1-2	0.52	0.76	0.51	0.76	0.0	-0.24	-0.24	0.360	0.336	0.303	0.268		
2-3	0.54	0.77	0.50	0.78	0.02	-0.23	-0.21	0.610	0.552	0.485	0.425		
3-4	0.52	0.77	0.50	0.77	0.03	-0.25	-0.22	0.394	0.332	0.282	0.252		
4-5	0.52	0.78	0.50	0.78	0.17	-0.26	-0.09	0.881	0.745	0.631	0.548		
5-6	0.53	0.79	0.50	0.79	0.25	-0.26	-0.02	0.947	0.785	0.659	0.569		
6-7	0.52	0.80	0.51	0.81	0.33	-0.28	0.05	1.004	0.819	0.682	0.588		
7-8	0.53	0.82	0.51	0.82	0.42	-0.29	0.12	1.038	0.836	0.694	0.598		
8-9	0.52	0.84	0.50	0.84	0.50	-0.33	0.17	1.065	0.854	0.707	0.607		
9-10	0.51	0.88	0.51	0.86	0.57	-0.36	0.20	1.085	0.864	0.713	0.613		
10-11	0.52	0.89	0.52	0.89	0.63	-0.37	0.26	1.095	0.869	0.717	0.615		
11-12	0.53	0.91	0.54	0.91	0.67	-0.38	0.30	1.104	0.875	0.722	0.617		
12-13	0.54	0.92	0.55	0.93	0.69	-0.38	0.31	1.055	0.834	0.688	0.589		
13-14	0.54	0.92	0.55	0.93	0.67	-0.38	0.29	1.095	0.868	0.715	0.614		
14-15	0.54	0.91	0.54	0.94	0.62	-0.37	0.25	1.090	0.868	0.716	0.615		
15-16	0.55	0.92	0.55	0.94	0.56	-0.37	0.19	1.070	0.857	0.704	0.604		
16-17	0.56	0.91	0.54	0.92	0.48	-0.35	0.13	1.049	0.847	0.701	0.603		
17-18	0.56	0.90	0.55	0.91	0.36	-0.34	0.02	1.013	0.828	0.689	0.593		
18-19	0.55	0.88	0.53	0.90	0.25	-0.33	-0.08	0.961	0.797	0.668	0.576		
19-20	0.55	0.85	0.55	0.87	0.14	-0.30	-0.16	0.869	0.737	0.625	0.542		
20-21	0.56	0.83	0.56	0.85	0.07	-0.27	-0.20	0.799	0.695	0.597	0.519		
21-22	0.55	0.81	0.55	0.83	0.01	-0.26	-0.24	0.699	0.631	0.556	0.491		
22-23	0.55	0.79	0.53	0.81	0.0	-0.24	-0.24	0.603	0.562	0.506	0.452		
23-24	0.54	0.77	0.53	0.79	0.0	-0.23	-0.23	0.541	0.513	0.469	0.423		
TOTAL	12.86	20.17	12.65	20.41	7.42	-7.31	0.11						

SHORTWAVE RADIATION (MJ/M**2)												
DEC. 9	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	HR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)
0-1	0.18	9.99	0.12	0.11	0.23	9.99	0.14	0.12	0.19	0.11	0.17	0.08
1-2	0.27	9.99	0.18	0.15	0.31	9.99	0.19	0.16	0.25	0.14	0.23	0.11
2-3	0.44	9.99	0.28	0.24	0.46	9.99	0.27	0.23	0.40	0.23	0.35	0.16
3-4	0.69	9.99	0.42	0.37	0.68	9.99	0.38	0.32	0.66	0.36	0.54	0.25
4-5	0.93	9.99	0.55	0.49	0.87	9.99	0.47	0.39	0.92	0.48	0.72	0.32
5-6	1.20	9.99	0.70	0.62	1.06	9.99	0.54	0.45	1.20	0.61	0.93	0.39
6-7	1.75	9.99	1.03	0.90	1.50	9.99	0.77	0.64	1.78	0.92	1.32	0.57
7-8	2.13	9.99	1.25	1.10	1.77	9.99	0.90	0.74	2.16	1.12	1.61	0.68
8-9	2.45	9.99	1.43	1.26	1.99	9.99	0.99	0.82	2.50	1.29	1.87	0.78
9-10	2.72	9.99	1.58	1.39	2.17	9.99	1.07	0.88	2.77	1.42	2.09	0.88
10-11	2.91	9.99	1.69	1.49	2.29	9.99	1.13	0.92	2.94	1.49	2.26	0.94
11-12	3.00	9.99	1.75	1.53	2.33	9.99	1.14	0.93	3.02	1.53	2.34	0.97
12-13	3.00	9.99	1.75	1.53	2.31	9.99	1.14	0.92	3.02	1.53	2.35	0.97
13-14	2.88	9.99	1.68	1.47	2.21	9.99	1.09	0.87	2.89	1.48	2.27	0.95
14-15	2.67	9.99	1.56	1.37	2.05	9.99	1.02	0.81	2.67	1.37	2.13	0.89
15-16	2.40	9.99	1.40	1.23	1.84	9.99	0.92	0.73	2.38	1.22	1.90	0.81
16-17	2.06	9.99	1.21	1.06	1.59	9.99	0.80	0.65	2.06	1.05	1.64	0.71
17-18	1.68	9.99	0.99	0.88	1.31	9.99	0.67	0.55	1.70	0.88	1.36	0.60
18-19	1.29	9.99	0.76	0.68	1.03	9.99	0.54	0.45	1.31	0.69	1.06	0.47
19-20	0.90	9.99	0.54	0.50	0.77	9.99	0.41	0.35	0.76	0.36	0.78	0.36
20-21	0.62	9.99	0.37	0.34	0.55	9.99	0.30	0.27	0.59	0.36	0.54	0.26
21-22	0.40	9.99	0.24	0.22	0.38	9.99	0.22	0.20	0.44	0.21	0.35	0.17
22-23	0.25	9.99	0.15	0.14	0.26	9.99	0.15	0.14	0.28	0.14	0.23	0.12
23-24	0.22	9.99	0.11	0.12	0.22	9.99	0.14	0.11	0.22	0.12	0.17	0.08
TOTAL	37.04	99.99	21.73	19.19	30.20	99.99	15.37	12.67	37.11	19.10	29.18	12.49

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
DEC. 9	(SURFACE)		(30M)		(SURFACE)			(BLANK)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.55	0.77	0.53	0.78	0.0	-0.22	-0.22	0.526	0.497	0.454	0.409	
1-2	0.55	0.78	0.54	0.77	0.0	-0.23	-0.23	0.614	0.569	0.510	0.455	
2-3	0.56	0.78	0.54	0.77	0.0	-0.21	-0.21	0.713	0.641	0.561	0.494	
3-4	0.55	0.78	0.53	0.79	0.01	-0.23	-0.22	0.813	0.706	0.606	0.528	
4-5	0.55	0.79	0.53	0.80	0.06	-0.24	-0.18	0.789	0.666	0.562	0.484	
5-6	0.57	0.81	0.56	0.81	0.13	-0.24	-0.11	0.643	0.528	0.440	0.379	
6-7	0.55	0.84	0.53	0.83	0.25	-0.29	-0.04	0.997	0.813	0.676	0.582	
7-8	0.55	0.86	0.53	0.84	0.36	-0.31	0.05	1.047	0.844	0.699	0.600	
8-9	0.55	0.88	0.54	0.86	0.46	-0.33	0.13	1.073	0.858	0.709	0.609	
9-10	0.53	0.89	0.54	0.90	0.55	-0.36	0.19	1.091	0.868	0.715	0.616	
10-11	0.53	0.91	0.55	0.92	0.62	-0.38	0.24	1.103	0.876	0.722	0.618	
11-12	0.54	0.93	0.55	0.93	0.67	-0.38	0.29	1.107	0.877	0.723	0.618	
12-13	0.55	0.93	0.55	0.95	0.69	-0.38	0.31	1.108	0.878	0.724	0.619	
13-14	0.56	0.93	0.56	0.96	0.67	-0.37	0.30	1.102	0.876	0.718	0.619	
14-15	0.56	0.93	0.56	0.96	0.62	-0.37	0.25	1.091	0.869	0.717	0.612	
15-16	0.57	0.94	0.56	0.96	0.56	-0.37	0.19	1.074	0.860	0.709	0.609	
16-17	0.57	0.92	0.56	0.94	0.48	-0.34	0.13	1.048	0.845	0.699	0.600	
17-18	0.56	0.90	0.56	0.93	0.37	-0.34	0.03	1.014	0.827	0.688	0.592	
18-19	0.56	0.89	0.54	0.90	0.25	-0.33	-0.08	0.965	0.800	0.670	0.578	
19-20	0.55	0.86	0.55	0.88	0.13	-0.30	-0.17	0.877	0.742	0.628	0.544	
20-21	0.55	0.84	0.55	0.85	0.07	-0.28	-0.22	0.808	0.705	0.606	0.529	
21-22	0.55	0.81	0.56	0.84	0.02	-0.26	-0.24	0.709	0.639	0.561	0.495	
22-23	0.55	0.79	0.55	0.81	0.0	-0.23	-0.23	0.613	0.570	0.512	0.456	
23-24	0.55	0.77	0.54	0.80	0.0	-0.22	-0.22	0.551	0.521	0.475	0.427	
TOTAL	13.28	20.51	13.10	20.75	6.96	-7.24	-0.28					



DEC. 10													
SHORTWAVE RADIATION (MJ/M**2)													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.20	9.99	0.12	0.11	0.23	9.99	0.14	0.12	0.19	0.11	0.17	0.08	
1-2	0.28	9.99	0.18	0.16	0.32	9.99	0.19	0.17	0.26	0.15	0.23	0.12	
2-3	0.45	9.99	0.28	0.25	0.47	9.99	0.28	0.24	0.41	0.23	0.35	0.17	
3-4	0.70	9.99	0.42	0.38	0.69	9.99	0.39	0.33	0.67	0.36	0.54	0.25	
4-5	1.01	9.99	0.60	0.53	0.95	9.99	0.51	0.43	0.99	0.52	0.77	0.34	
5-6	1.37	9.99	0.81	0.72	1.23	9.99	0.64	0.54	1.36	0.71	1.04	0.45	
6-7	1.76	9.99	1.03	0.91	1.51	9.99	0.78	0.64	1.79	0.92	1.33	0.57	
7-8	2.12	9.99	1.25	1.09	1.77	9.99	0.90	0.73	2.15	1.11	1.60	0.67	
8-9	2.45	9.99	1.42	1.25	1.98	9.99	0.99	0.81	2.49	1.28	1.86	0.77	
9-10	2.72	9.99	1.58	1.39	2.17	9.99	1.08	0.88	2.77	1.41	2.09	0.87	
10-11	2.91	9.99	1.69	1.49	2.29	9.99	1.13	0.92	2.94	1.49	2.26	0.94	
11-12	3.01	2.26	1.53	1.53	2.33	1.60	0.99	0.93	3.02	1.53	2.36	0.97	
12-13	3.00	2.27	1.53	1.53	2.31	1.57	0.99	0.91	3.02	1.53	2.35	0.97	
13-14	2.89	2.18	1.47	1.47	2.22	1.50	0.99	0.87	2.90	1.48	2.27	0.95	
14-15	2.68	2.04	1.37	1.37	2.06	1.39	0.99	0.81	2.68	1.37	2.12	0.89	
15-16	2.41	1.83	1.24	1.24	1.84	1.25	0.99	0.74	2.39	1.22	1.90	0.81	
16-17	2.08	1.57	1.08	1.08	1.60	1.10	0.99	0.66	2.07	1.06	1.64	0.71	
17-18	1.70	1.28	0.89	0.89	1.32	0.92	0.99	0.55	1.71	0.89	1.36	0.60	
18-19	1.30	0.98	0.69	0.69	1.04	0.73	0.99	0.45	1.33	0.70	1.06	0.47	
19-20	0.93	0.68	0.51	0.51	0.78	0.57	0.99	0.36	0.78	0.37	0.79	0.36	
20-21	0.63	0.45	0.35	0.35	0.56	0.42	0.99	0.27	0.59	0.36	0.55	0.26	
21-22	0.41	0.27	0.22	0.22	0.39	0.30	0.99	0.20	0.45	0.22	0.36	0.18	
22-23	0.26	0.15	0.14	0.14	0.26	0.20	0.99	0.14	0.29	0.15	0.23	0.12	
23-24	0.20	0.10	0.11	0.11	0.22	0.17	0.99	0.11	0.21	0.11	0.17	0.08	
TOTAL	37.47	99.99	99.99	19.42	30.54	99.99	99.99	12.83	37.46	19.30	29.41	12.60	

DEC. 10													
LONGWAVE RADIATION (MJ/M**2)													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.55	0.77	0.53	0.78	0.0	-0.22	-0.22	0.539	0.508	0.463	0.415		
1-2	0.55	0.78	0.54	0.78	0.0	-0.23	-0.23	0.626	0.578	0.519	0.462		
2-3	0.56	0.78	0.53	0.79	0.0	-0.22	-0.22	0.726	0.651	0.570	0.501		
3-4	0.55	0.78	0.53	0.79	0.01	-0.23	-0.22	0.823	0.715	0.613	0.534		
4-5	0.56	0.79	0.52	0.79	0.07	-0.23	-0.16	0.904	0.763	0.645	0.558		
5-6	0.55	0.80	0.54	0.80	0.15	-0.25	-0.10	0.968	0.799	0.669	0.576		
6-7	0.55	0.81	0.54	0.81	0.25	-0.26	-0.01	1.014	0.826	0.686	0.589		
7-8	0.55	0.83	0.54	0.83	0.35	-0.28	0.08	1.048	0.844	0.699	0.599		
8-9	0.54	0.85	0.53	0.85	0.46	-0.30	0.16	1.074	0.858	0.708	0.607		
9-10	0.53	0.88	0.54	0.88	0.55	-0.35	0.20	1.092	0.869	0.716	0.615		
10-11	0.53	0.90	0.55	0.90	0.62	-0.37	0.25	1.104	0.874	0.721	0.617		
11-12	0.55	0.91	0.54	0.91	0.68	-0.37	0.31	1.110	0.875	0.722	0.617		
12-13	0.54	0.93	0.55	0.93	0.69	-0.39	0.31	1.110	0.876	0.723	0.618		
13-14	0.54	0.92	0.55	0.94	0.67	-0.38	0.29	1.105	0.877	0.722	0.618		
14-15	0.55	0.92	0.56	0.95	0.63	-0.37	0.26	1.094	0.870	0.717	0.614		
15-16	0.56	0.92	0.55	0.95	0.57	-0.37	0.20	1.078	0.861	0.711	0.610		
16-17	0.56	0.91	0.56	0.93	0.48	-0.36	0.13	1.053	0.848	0.702	0.603		
17-18	0.56	0.90	0.55	0.91	0.37	-0.34	0.04	1.020	0.831	0.692	0.595		
18-19	0.55	0.89	0.53	0.90	0.26	-0.33	-0.08	0.972	0.805	0.674	0.582		
19-20	0.55	0.86	0.55	0.88	0.14	-0.31	-0.17	0.884	0.749	0.634	0.550		
20-21	0.55	0.83	0.54	0.86	0.07	-0.29	-0.21	0.817	0.711	0.612	0.534		
21-22	0.54	0.80	0.53	0.83	0.02	-0.26	-0.24	0.719	0.647	0.568	0.501		
22-23	0.53	0.78	0.53	0.81	0.0	-0.25	-0.25	0.624	0.579	0.520	0.464		
23-24	0.53	0.77	0.53	0.78	0.0	-0.23	-0.23	0.563	0.532	0.484	0.436		
TOTAL	13.15	20.32	12.98	20.58	7.05	-7.17	-0.11						

SHORTWAVE RADIATION (MJ/M**2)													
DEC. 11													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.21	0.11	9.99	0.11	0.23	0.17	9.99	0.12	0.19	0.11	0.17	0.08	
1- 2	0.29	0.18	9.99	0.16	0.32	0.25	9.99	0.17	0.26	0.15	0.23	0.12	
2- 3	0.46	0.32	9.99	0.26	0.48	0.37	9.99	0.24	0.42	0.24	0.36	0.17	
3- 4	0.71	0.51	9.99	0.39	0.69	0.52	9.99	0.33	0.68	0.37	0.54	0.25	
4- 5	1.02	0.75	9.99	0.54	0.95	0.71	9.99	0.43	1.00	0.53	0.78	0.35	
5- 6	1.39	1.03	9.99	0.73	1.23	0.90	9.99	0.54	1.37	0.72	1.05	0.46	
6- 7	1.77	1.32	9.99	0.92	1.52	1.09	9.99	0.65	1.80	0.94	1.33	0.57	
7- 8	2.15	1.61	9.99	1.12	1.79	1.27	9.99	0.75	2.18	1.13	1.62	0.68	
8- 9	2.45	1.84	9.99	1.26	1.98	1.40	9.99	0.82	2.50	1.29	1.85	0.78	
9-10	2.73	2.05	9.99	1.41	2.17	1.51	9.99	0.88	2.78	1.42	2.09	0.87	
10-11	2.92	2.19	9.99	1.50	2.30	1.58	9.99	0.92	2.94	1.49	2.26	0.94	
11-12	3.02	2.27	9.99	1.54	2.34	1.60	9.99	0.93	3.03	1.54	2.34	0.97	
12-13	3.04	2.29	9.99	1.55	2.34	1.60	9.99	0.93	3.05	1.55	2.37	0.99	
13-14	2.90	2.19	9.99	1.48	2.23	1.51	9.99	0.88	2.90	1.48	2.27	0.95	
14-15	2.70	2.05	9.99	1.38	2.07	1.41	9.99	0.82	2.69	1.37	2.13	0.90	
15-16	2.39	1.81	9.99	1.22	1.83	1.25	9.99	0.73	2.37	1.21	1.89	0.80	
16-17	2.09	1.58	9.99	1.08	1.61	1.11	9.99	0.66	2.08	1.06	1.66	0.72	
17-18	1.66	1.25	9.99	0.88	1.31	0.91	9.99	0.55	1.66	0.87	1.34	0.59	
18-19	1.24	0.93	9.99	0.66	1.00	0.70	9.99	0.43	1.25	0.66	1.02	0.45	
19-20	0.88	0.66	9.99	0.48	0.74	0.53	9.99	0.33	0.79	0.39	0.74	0.34	
20-21	0.52	0.39	9.99	0.28	0.46	0.33	9.99	0.21	0.49	0.27	0.44	0.20	
21-22	0.31	0.23	9.99	0.17	0.29	0.20	9.99	0.13	0.32	0.16	0.27	0.12	
22-23	0.22	0.16	9.99	0.12	0.21	0.14	9.99	0.10	0.23	0.12	0.19	0.09	
23-24	0.10	0.06	9.99	0.04	0.11	0.06	9.99	0.03	0.11	0.05	0.09	0.03	
TOTAL	37.16	27.77	99.99	19.27	30.19	21.13	99.99	12.60	37.11	19.12	29.03	12.44	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
DEC. 11													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.53	0.77	0.52	0.77	0.0	-0.24	-0.24	0.532	0.502	0.457	0.410		
1- 2	0.55	0.78	0.51	0.77	0.0	-0.23	-0.23	0.629	0.581	0.520	0.464		
2- 3	0.55	0.77	0.52	0.78	0.0	-0.23	-0.23	0.733	0.657	0.576	0.507		
3- 4	0.54	0.77	0.52	0.78	0.01	-0.23	-0.22	0.828	0.718	0.617	0.539		
4- 5	0.52	0.78	0.51	0.78	0.07	-0.26	-0.19	0.909	0.768	0.651	0.565		
5- 6	0.53	0.79	0.51	0.79	0.16	-0.26	-0.10	0.972	0.804	0.674	0.583		
6- 7	0.53	0.80	0.50	0.80	0.26	-0.27	-0.01	1.018	0.830	0.691	0.595		
7- 8	0.52	0.81	0.50	0.81	0.37	-0.29	0.08	1.038	0.837	0.696	0.599		
8- 9	0.52	0.84	0.51	0.83	0.46	-0.31	0.15	1.006	0.805	0.666	0.572		
9-10	0.51	0.86	0.51	0.85	0.56	-0.34	0.22	1.074	0.855	0.706	0.606		
10-11	0.53	0.87	0.52	0.87	0.62	-0.34	0.28	1.074	0.853	0.703	0.603		
11-12	0.53	0.88	0.53	0.88	0.67	-0.35	0.33	1.058	0.837	0.690	0.592		
12-13	0.53	0.89	0.54	0.89	0.70	-0.36	0.34	1.057	0.836	0.688	0.591		
13-14	0.54	0.90	0.54	0.89	0.67	-0.36	0.31	0.991	0.786	0.647	0.556		
14-15	0.54	0.89	0.54	0.90	0.62	-0.36	0.27	1.012	0.805	0.665	0.571		
15-16	0.56	0.88	0.56	0.91	0.55	-0.32	0.23	0.889	0.710	0.586	0.503		
16-17	0.57	0.89	0.56	0.90	0.48	-0.32	0.16	0.889	0.716	0.593	0.510		
17-18	0.55	0.88	0.55	0.89	0.35	-0.33	0.02	0.892	0.728	0.606	0.522		
18-19	0.56	0.86	0.54	0.87	0.24	-0.30	-0.07	0.735	0.607	0.508	0.438		
19-20	0.56	0.84	0.55	0.85	0.14	-0.27	-0.14	0.581	0.491	0.415	0.359		
20-21	0.61	0.82	0.60	0.83	0.07	-0.21	-0.15	0.248	0.214	0.185	0.160		
21-22	0.58	0.80	0.57	0.82	0.03	-0.22	-0.19	0.183	0.163	0.141	0.124		
22-23	0.60	0.80	0.59	0.80	0.01	-0.19	-0.18	0.123	0.114	0.102	0.091		
23-24	0.55	0.77	0.55	0.77	0.0	-0.22	-0.22	0.041	0.037	0.034	0.029		
TOTAL	13.11	19.92	12.86	20.06	7.05	-6.81	0.24						

SHORTWAVE RADIATION (MJ/M**2)													
DEC. 12	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
HR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.14	0.09	9.99	0.07	0.16	0.10	9.99	0.07	0.15	0.07	0.13	0.05	
1-2	0.28	0.20	9.99	0.16	0.28	0.21	9.99	0.14	0.28	0.16	0.23	0.11	
2-3	0.34	0.25	9.99	0.18	0.32	0.23	9.99	0.14	0.34	0.17	0.28	0.12	
3-4	0.54	0.39	9.99	0.29	0.53	0.38	9.99	0.24	0.53	0.28	0.44	0.19	
4-5	0.95	0.71	9.99	0.51	0.89	0.66	9.99	0.40	0.94	0.50	0.74	0.33	
5-6	1.34	0.99	9.99	0.70	1.19	0.87	9.99	0.53	1.32	0.69	1.02	0.44	
6-7	1.74	1.30	9.99	0.91	1.50	1.07	9.99	0.64	1.77	0.91	1.32	0.56	
7-8	2.12	1.58	9.99	1.10	1.77	1.25	9.99	0.74	2.15	1.11	1.59	0.67	
8-9	2.47	1.85	9.99	1.27	2.01	1.41	9.99	0.82	2.52	1.30	1.88	0.78	
9-10	2.72	2.03	9.99	1.40	2.17	1.51	9.99	0.89	3.13	1.41	2.08	0.87	
10-11	2.94	2.20	9.99	1.51	2.32	1.60	9.99	0.93	2.96	1.51	2.28	0.94	
11-12	3.01	2.26	9.99	1.54	2.35	1.60	9.99	0.93	3.03	1.54	2.35	0.97	
12-13	3.00	2.25	9.99	1.52	2.31	1.57	9.99	0.91	3.01	1.53	2.34	0.96	
13-14	2.92	2.20	9.99	1.48	2.25	1.51	9.99	0.88	2.93	1.49	2.29	0.95	
14-15	2.70	2.05	9.99	1.38	2.08	1.40	9.99	0.82	2.70	1.38	2.14	0.90	
15-16	2.35	1.77	9.99	1.20	1.81	1.22	9.99	0.72	2.34	1.19	1.86	0.78	
16-17	2.09	1.57	9.99	1.08	1.61	1.10	9.99	0.66	2.08	1.06	1.66	0.72	
17-18	1.69	1.28	9.99	0.89	1.33	0.92	9.99	0.56	1.70	0.88	1.37	0.60	
18-19	1.26	0.95	9.99	0.67	1.02	0.72	9.99	0.44	1.29	0.68	1.04	0.46	
19-20	0.90	0.66	9.99	0.49	0.76	0.55	9.99	0.35	0.77	0.36	0.77	0.35	
20-21	0.57	0.41	9.99	0.31	0.51	0.37	9.99	0.24	0.53	0.32	0.50	0.23	
21-22	0.30	0.20	9.99	0.16	0.30	0.21	9.99	0.14	0.32	0.16	0.28	0.12	
22-23	0.28	0.18	9.99	0.16	0.28	0.21	9.99	0.14	0.31	0.16	0.24	0.13	
23-24	0.18	0.11	9.99	0.11	0.20	0.15	9.99	0.11	0.21	0.11	0.17	0.09	
TOTAL	36.82	27.48	99.99	19.07	29.95	20.82	99.99	12.43	37.31	18.96	28.99	12.33	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)															
DEC. 12	(SURFACE)				(30M)				(SURFACE)			(BLANK)			
HR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(530)	(630)	(695)	
0-1	0.55	0.76	0.54	0.77	0.0	-0.21	-0.21	0.188	0.177	0.161	0.145				
1-2	0.59	0.77	0.58	0.78	0.01	-0.19	-0.18	0.251	0.231	0.206	0.183				
2-3	0.59	0.78	0.58	0.78	0.02	-0.19	-0.17	0.158	0.141	0.123	0.107				
3-4	0.55	0.78	0.54	0.78	0.01	-0.22	-0.22	0.428	0.372	0.319	0.279				
4-5	0.55	0.79	0.52	0.79	0.06	-0.23	-0.17	0.730	0.617	0.521	0.452				
5-6	0.55	0.80	0.53	0.80	0.14	-0.25	-0.10	0.832	0.687	0.575	0.497				
6-7	0.55	0.82	0.53	0.82	0.24	-0.26	-0.02	0.953	0.776	0.645	0.556				
7-8	0.54	0.83	0.54	0.85	0.35	-0.29	0.06	1.014	0.817	0.677	0.581				
8-9	0.55	0.86	0.54	0.87	0.46	-0.31	0.15	1.067	0.854	0.704	0.606				
9-10	0.54	0.89	0.54	0.90	0.55	-0.36	0.19	1.064	0.844	0.696	0.597				
10-11	0.53	0.91	0.54	0.92	0.62	-0.38	0.24	1.072	0.863	0.712	0.611				
11-12	0.54	0.93	0.55	0.94	0.67	-0.39	0.28	1.089	0.861	0.709	0.608				
12-13	0.55	0.94	0.56	0.94	0.68	-0.38	0.30	1.047	0.827	0.681	0.583				
13-14	0.56	0.94	0.57	0.96	0.67	-0.38	0.29	1.069	0.846	0.697	0.598				
14-15	0.55	0.94	0.57	0.97	0.62	-0.39	0.23	1.063	0.844	0.696	0.595				
15-16	0.58	0.94	0.58	0.95	0.54	-0.37	0.18	0.984	0.785	0.648	0.556				
16-17	0.58	0.92	0.58	0.95	0.48	-0.34	0.14	1.016	0.818	0.677	0.582				
17-18	0.58	0.92	0.58	0.94	0.36	-0.34	0.02	0.973	0.792	0.659	0.567				
18-19	0.57	0.89	0.56	0.92	0.24	-0.32	-0.08	0.868	0.718	0.600	0.517				
19-20	0.57	0.87	0.57	0.90	0.13	-0.29	-0.16	0.749	0.632	0.533	0.461				
20-21	0.58	0.85	0.57	0.86	0.06	-0.27	-0.21	0.615	0.533	0.457	0.398				
21-22	0.57	0.82	0.56	0.84	0.00	-0.25	-0.25	0.388	0.347	0.303	0.267				
22-23	0.57	0.80	0.57	0.82	0.01	-0.23	-0.22	0.511	0.473	0.424	0.378				
23-24	0.56	0.78	0.56	0.81	0.0	-0.22	-0.22	0.376	0.353	0.320	0.286				
TOTAL	13.45	20.52	13.35	20.88	6.91	-7.07	-0.15								

SHORTWAVE RADIATION (MJ/M**2)													
DEC. 13													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.21	0.14	9.99	0.12	0.22	0.16	9.99	0.11	0.21	0.12	0.18	0.08	
1- 2	0.27	0.19	9.99	0.15	0.28	0.21	9.99	0.14	0.26	0.14	0.22	0.10	
2- 3	0.43	0.31	9.99	0.24	0.44	0.34	9.99	0.22	0.40	0.22	0.34	0.16	
3- 4	0.65	0.48	9.99	0.36	0.64	0.48	9.99	0.30	0.63	0.34	0.52	0.23	
4- 5	1.04	0.78	9.99	0.56	0.97	0.71	9.99	0.44	1.03	0.55	0.81	0.36	
5- 6	1.35	1.00	9.99	0.71	1.20	0.87	9.99	0.52	1.34	0.70	1.03	0.45	
6- 7	1.77	1.32	9.99	0.92	1.52	1.08	9.99	0.64	1.81	0.93	1.34	0.57	
7- 8	2.09	1.55	9.99	1.07	1.74	1.23	9.99	0.72	2.13	1.09	1.58	0.66	
8- 9	2.45	1.84	9.99	1.26	2.00	1.40	9.99	0.82	2.51	1.29	1.87	0.78	
9-10	2.73	2.03	9.99	1.39	2.17	1.50	9.99	0.87	2.78	1.41	2.09	0.87	
10-11	2.93	2.19	9.99	1.50	2.31	1.59	9.99	0.92	2.97	1.49	2.27	0.94	
11-12	3.00	2.25	9.99	1.52	2.34	1.59	9.99	0.92	3.03	1.52	2.34	0.97	
12-13	3.00	2.25	9.99	1.53	2.32	1.56	9.99	0.91	3.02	1.53	2.34	0.97	
13-14	2.88	2.16	9.99	1.47	2.21	1.49	9.99	0.87	2.90	1.48	2.27	0.94	
14-15	2.70	2.04	9.99	1.38	2.07	1.39	9.99	0.82	2.70	1.38	2.14	0.90	
15-16	2.44	1.84	9.99	1.25	1.86	1.26	9.99	0.74	2.42	1.24	1.92	0.82	
16-17	2.10	1.58	9.99	1.09	1.62	1.11	9.99	0.66	2.09	1.08	1.67	0.72	
17-18	1.71	1.29	9.99	0.90	1.34	0.93	9.99	0.56	1.72	0.90	1.38	0.61	
18-19	1.33	1.00	9.99	0.71	1.07	0.75	9.99	0.46	1.35	0.72	1.09	0.49	
19-20	0.95	0.70	9.99	0.52	0.80	0.58	9.99	0.37	0.82	0.37	0.81	0.37	
20-21	0.67	0.48	9.99	0.36	0.58	0.44	9.99	0.28	0.60	0.38	0.57	0.27	
21-22	0.34	0.22	9.99	0.18	0.33	0.24	9.99	0.16	0.37	0.18	0.31	0.14	
22-23	0.18	0.11	9.99	0.09	0.20	0.14	9.99	0.09	0.20	0.09	0.18	0.08	
23-24	0.21	0.12	9.99	0.12	0.24	0.19	9.99	0.13	0.24	0.13	0.19	0.10	
TOTAL	37.44	27.87	99.99	19.39	30.49	21.25	99.99	12.70	37.51	19.27	29.46	12.58	

LONGWAVE RADIATION (MJ/M**2)													
DEC. 13													
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.57	0.78	0.56	0.80	0.0	-0.21	-0.21	0.357	0.335	0.304	0.272		
1- 2	0.58	0.79	0.57	0.78	0.0	-0.21	-0.21	0.387	0.356	0.318	0.283		
2- 3	0.58	0.79	0.55	0.79	0.0	-0.21	-0.21	0.585	0.523	0.458	0.403		
3- 4	0.57	0.79	0.55	0.80	0.01	-0.22	-0.22	0.686	0.595	0.510	0.444		
4- 5	0.57	0.80	0.56	0.80	0.08	-0.24	-0.16	0.791	0.669	0.555	0.482		
5- 6	0.57	0.81	0.55	0.81	0.15	-0.24	-0.09	0.854	0.705	0.590	0.509		
6- 7	0.57	0.82	0.56	0.82	0.26	-0.26	-0.00	0.924	0.752	0.624	0.537		
7- 8	0.56	0.84	0.55	0.84	0.35	-0.28	0.07	0.944	0.759	0.629	0.540		
8- 9	0.56	0.87	0.55	0.87	0.45	-0.31	0.15	1.051	0.839	0.693	0.595		
9-10	0.55	0.90	0.55	0.89	0.55	-0.35	0.20	1.045	0.830	0.684	0.587		
10-11	0.56	0.92	0.57	0.92	0.62	-0.36	0.25	1.021	0.808	0.665	0.570		
11-12	0.57	0.93	0.57	0.93	0.66	-0.36	0.30	0.982	0.776	0.639	0.548		
12-13	0.57	0.94	0.57	0.95	0.69	-0.38	0.31	1.028	0.813	0.669	0.574		
13-14	0.56	0.94	0.55	0.96	0.67	-0.38	0.29	1.066	0.844	0.695	0.598		
14-15	0.55	0.93	0.56	0.97	0.63	-0.38	0.25	1.071	0.852	0.702	0.603		
15-16	0.56	0.94	0.55	0.96	0.57	-0.38	0.20	1.077	0.861	0.711	0.612		
16-17	0.57	0.92	0.55	0.95	0.48	-0.35	0.13	1.052	0.848	0.703	0.604		
17-18	0.57	0.91	0.56	0.93	0.37	-0.34	0.03	1.014	0.826	0.688	0.591		
18-19	0.56	0.90	0.54	0.91	0.26	-0.34	-0.07	0.965	0.799	0.670	0.579		
19-20	0.55	0.86	0.54	0.88	0.15	-0.31	-0.16	0.887	0.750	0.635	0.551		
20-21	0.55	0.84	0.54	0.85	0.08	-0.29	-0.21	0.824	0.716	0.616	0.537		
21-22	0.55	0.82	0.54	0.84	0.01	-0.27	-0.26	0.532	0.475	0.415	0.364		
22-23	0.54	0.79	0.54	0.82	0.0	-0.26	-0.26	0.366	0.339	0.305	0.272		
23-24	0.55	0.79	0.53	0.80	0.0	-0.23	-0.23	0.521	0.490	0.446	0.400		
TOTAL	13.47	20.62	13.28	20.87	7.05	-7.15	-0.10						

SHORTWAVE RADIATION (MJ/M**2)												
DEC. 14	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HOUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.20	0.12	9.99	0.12	0.23	0.18	9.99	0.13	0.21	0.12	0.19	0.09
1- 2	0.28	0.18	9.99	0.15	0.30	0.23	9.99	0.16	0.26	0.14	0.23	0.11
2- 3	0.53	0.38	9.99	0.30	0.53	0.41	9.99	0.27	0.49	0.28	0.41	0.20
3- 4	0.75	0.55	9.99	0.41	0.71	0.53	9.99	0.34	0.73	0.39	0.58	0.27
4- 5	1.05	0.77	9.99	0.56	0.96	0.71	9.99	0.44	1.03	0.54	0.80	0.36
5- 6	1.48	1.11	9.99	0.78	1.30	0.95	9.99	0.57	1.47	0.77	1.12	0.49
6- 7	1.69	1.26	9.99	0.87	1.45	1.03	9.99	0.61	1.72	0.88	1.29	0.55
7- 8	2.12	1.58	9.99	1.09	1.77	1.24	9.99	0.73	2.16	1.11	1.61	0.67
8- 9	2.50	1.88	9.99	1.28	2.04	1.42	9.99	0.83	2.56	1.31	1.91	0.79
9-10	2.73	2.04	9.99	1.40	2.18	1.51	9.99	0.88	2.79	1.41	2.09	0.87
10-11	2.92	2.18	9.99	1.49	2.30	1.58	9.99	0.92	2.95	1.49	2.25	0.93
11-12	3.01	2.25	9.99	1.53	2.34	1.59	9.99	0.93	3.03	1.53	2.34	0.97
12-13	2.97	2.22	9.99	1.50	2.29	1.55	9.99	0.90	2.99	1.51	2.32	0.96
13-14	2.91	2.19	9.99	1.48	2.24	1.51	9.99	0.88	2.93	1.49	2.29	0.95
14-15	2.72	2.06	9.99	1.39	2.07	1.39	9.99	0.81	2.72	1.39	2.15	0.90
15-16	2.44	1.85	9.99	1.25	1.87	1.26	9.99	0.74	2.42	1.24	1.93	0.82
16-17	2.11	1.59	9.99	1.10	1.62	1.11	9.99	0.66	2.10	1.08	1.67	0.72
17-18	1.73	1.30	9.99	0.91	1.35	0.93	9.99	0.56	1.74	0.90	1.39	0.61
18-19	1.33	1.00	9.99	0.71	1.07	0.75	9.99	0.46	1.36	0.72	1.09	0.48
19-20	0.97	0.71	9.99	0.52	0.81	0.59	9.99	0.37	0.83	0.37	0.81	0.37
20-21	0.67	0.48	9.99	0.37	0.59	0.44	9.99	0.28	0.61	0.38	0.57	0.27
21-22	0.45	0.29	9.99	0.25	0.42	0.32	9.99	0.21	0.48	0.24	0.38	0.19
22-23	0.29	0.18	9.99	0.16	0.29	0.22	9.99	0.15	0.32	0.16	0.25	0.13
23-24	0.20	0.11	9.99	0.11	0.25	0.19	9.99	0.14	0.24	0.12	0.20	0.10
TOTAL	38.05	28.28	99.99	19.72	30.98	21.63	99.99	12.98	38.11	19.58	29.87	12.80

LONGWAVE RADIATION (MJ/M**2)												
DEC. 14	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
HOUR	(SURFACE)		(30M)		(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE						
0- 1	0.54	0.78	0.54	0.79	0.0	-0.24	-0.24	0.446	0.418	0.381	0.342	
1- 2	0.54	0.79	0.53	0.78	0.0	-0.25	-0.25	0.514	0.474	0.425	0.378	
2- 3	0.57	0.79	0.55	0.80	0.00	-0.22	-0.21	0.717	0.642	0.562	0.496	
3- 4	0.58	0.79	0.55	0.80	0.04	-0.22	-0.18	0.694	0.602	0.516	0.452	
4- 5	0.57	0.80	0.54	0.80	0.08	-0.23	-0.15	0.835	0.704	0.596	0.516	
5- 6	0.58	0.82	0.55	0.82	0.18	-0.24	-0.06	0.873	0.721	0.605	0.523	
6- 7	0.57	0.83	0.55	0.83	0.24	-0.26	-0.02	0.823	0.670	0.557	0.480	
7- 8	0.58	0.85	0.57	0.85	0.36	-0.27	0.09	0.861	0.692	0.573	0.492	
8- 9	0.59	0.88	0.58	0.88	0.46	-0.30	0.17	0.915	0.730	0.604	0.519	
9-10	0.56	0.91	0.56	0.90	0.55	-0.36	0.20	1.005	0.798	0.658	0.565	
10-11	0.57	0.93	0.57	0.93	0.61	-0.36	0.25	1.000	0.792	0.653	0.559	
11-12	0.56	0.95	0.57	0.94	0.67	-0.39	0.28	1.049	0.829	0.683	0.586	
12-13	0.56	0.96	0.57	0.95	0.68	-0.39	0.29	1.017	0.803	0.662	0.568	
13-14	0.57	0.95	0.57	0.95	0.67	-0.39	0.29	1.083	0.858	0.705	0.606	
14-15	0.55	0.95	0.58	0.95	0.65	-0.39	0.25	1.090	0.866	0.716	0.612	
15-16	0.58	0.95	0.56	0.95	0.57	-0.37	0.19	1.078	0.861	0.711	0.612	
16-17	0.58	0.95	0.57	0.95	0.49	-0.37	0.12	1.054	0.849	0.703	0.604	
17-18	0.58	0.94	0.57	0.94	0.37	-0.36	0.01	1.021	0.831	0.692	0.597	
18-19	0.57	0.91	0.55	0.92	0.26	-0.34	-0.08	0.975	0.806	0.677	0.585	
19-20	0.56	0.89	0.55	0.90	0.16	-0.33	-0.17	0.891	0.753	0.638	0.554	
20-21	0.56	0.86	0.55	0.88	0.08	-0.30	-0.22	0.825	0.717	0.617	0.539	
21-22	0.56	0.84	0.53	0.86	0.03	-0.28	-0.25	0.736	0.659	0.578	0.510	
22-23	0.54	0.82	0.54	0.83	0.00	-0.28	-0.26	0.644	0.594	0.532	0.475	
23-24	0.54	0.80	0.53	0.82	0.0	-0.26	-0.26	0.583	0.548	0.497	0.447	
TOTAL	13.55	20.94	13.34	21.01	7.17	-7.39	-0.22					

SHORTWAVE RADIATION (MJ/M**2)												
DEC. 15												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.21	0.12	9.99	0.12	0.25	0.19	9.99	0.14	0.22	0.12	0.19	0.09
1- 2	0.30	0.19	9.99	0.17	0.33	0.26	9.99	0.18	0.27	0.16	0.25	0.12
2- 3	0.47	0.33	9.99	0.26	0.49	0.37	9.99	0.25	0.43	0.24	0.37	0.18
3- 4	0.72	0.52	9.99	0.39	0.70	0.53	9.99	0.33	0.69	0.38	0.55	0.26
4- 5	1.04	0.76	9.99	0.55	0.96	0.71	9.99	0.44	1.02	0.54	0.79	0.35
5- 6	1.40	1.04	9.99	0.73	1.23	0.90	9.99	0.54	1.39	0.73	1.05	0.46
6- 7	1.78	1.33	9.99	0.93	1.52	1.09	9.99	0.65	1.82	0.94	1.34	0.58
7- 8	2.15	1.60	9.99	1.11	1.78	1.26	9.99	0.74	2.18	1.14	1.61	0.68
8- 9	2.47	1.85	9.99	1.27	2.00	1.40	9.99	0.82	2.52	1.31	1.87	0.78
9-10	2.75	2.05	9.99	1.42	2.18	1.51	9.99	0.88	2.80	1.43	2.10	0.88
10-11	2.94	2.20	9.99	1.51	2.31	1.59	9.99	0.93	2.97	1.51	2.27	0.95
11-12	3.04	2.28	9.99	1.56	2.37	1.61	9.99	0.94	3.06	1.56	2.36	0.99
12-13	3.05	2.28	9.99	1.55	2.34	1.58	9.99	0.92	3.06	1.56	2.33	0.97
13-14	2.93	2.21	9.99	1.49	2.24	1.52	9.99	0.88	2.94	1.50	2.26	0.94
14-15	2.73	2.07	9.99	1.40	2.08	1.41	9.99	0.82	2.73	1.40	2.11	0.89
15-16	2.45	1.86	9.99	1.27	1.86	1.26	9.99	0.75	2.44	1.25	1.90	0.81
16-17	2.12	1.60	9.99	1.11	1.62	1.11	9.99	0.67	2.11	1.09	1.65	0.72
17-18	1.74	1.31	9.99	0.92	1.34	0.93	9.99	0.56	1.75	0.91	1.37	0.60
18-19	1.34	1.01	9.99	0.72	1.06	0.74	9.99	0.46	1.36	0.72	1.07	0.48
19-20	0.90	0.66	9.99	0.48	0.76	0.54	9.99	0.34	0.77	0.35	0.75	0.34
20-21	0.68	0.49	9.99	0.37	0.58	0.43	9.99	0.28	0.62	0.39	0.56	0.27
21-22	0.45	0.30	9.99	0.24	0.43	0.32	9.99	0.22	0.48	0.24	0.37	0.18
22-23	0.28	0.17	9.99	0.15	0.28	0.19	9.99	0.12	0.31	0.16	0.20	0.08
23-24	0.15	0.08	9.99	0.07	0.16	0.09	9.99	0.06	0.17	0.08	0.10	0.03
TOTAL	38.06	28.30	99.99	19.81	30.87	21.51	99.99	12.94	38.11	19.70	29.45	12.62

LONGWAVE RADIATION (MJ/M**2)												
DEC. 15												
HOUR	(SURFACE)		(30M)		NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0- 1	0.53	0.80	0.52	0.81	0.0	-0.27	-0.27	0.549	0.515	0.468	0.420	
1- 2	0.54	0.81	0.53	0.81	0.0	-0.27	-0.27	0.644	0.594	0.532	0.474	
2- 3	0.55	0.80	0.52	0.80	0.0	-0.26	-0.26	0.735	0.657	0.577	0.509	
3- 4	0.55	0.80	0.52	0.80	0.02	-0.26	-0.24	0.831	0.720	0.619	0.541	
4- 5	0.52	0.81	0.51	0.80	0.08	-0.28	-0.21	0.910	0.768	0.651	0.565	
5- 6	0.53	0.81	0.50	0.80	0.16	-0.29	-0.13	0.970	0.802	0.673	0.582	
6- 7	0.53	0.82	0.51	0.81	0.26	-0.29	-0.03	1.016	0.827	0.690	0.595	
7- 8	0.54	0.83	0.52	0.84	0.37	-0.30	0.07	1.051	0.846	0.702	0.605	
8- 9	0.53	0.86	0.51	0.86	0.47	-0.33	0.14	1.077	0.860	0.711	0.613	
9-10	0.53	0.89	0.52	0.89	0.57	-0.37	0.20	1.094	0.870	0.720	0.616	
10-11	0.54	0.91	0.53	0.91	0.63	-0.37	0.26	1.106	0.875	0.722	0.624	
11-12	0.53	0.92	0.55	0.93	0.67	-0.39	0.28	1.113	0.878	0.723	0.625	
12-13	0.55	0.93	0.54	0.93	0.71	-0.38	0.33	1.115	0.878	0.724	0.626	
13-14	0.54	0.94	0.55	0.94	0.69	-0.39	0.30	1.109	0.878	0.724	0.621	
14-15	0.54	0.94	0.55	0.95	0.65	-0.40	0.25	1.100	0.874	0.722	0.620	
15-16	0.55	0.93	0.55	0.96	0.59	-0.38	0.21	1.084	0.866	0.718	0.617	
16-17	0.57	0.93	0.56	0.96	0.51	-0.36	0.15	1.060	0.853	0.708	0.610	
17-18	0.57	0.93	0.55	0.94	0.39	-0.36	0.03	1.025	0.834	0.696	0.601	
18-19	0.56	0.91	0.54	0.91	0.28	-0.35	-0.07	0.966	0.798	0.670	0.579	
19-20	0.56	0.87	0.55	0.89	0.14	-0.32	-0.18	0.808	0.681	0.577	0.502	
20-21	0.56	0.86	0.56	0.86	0.09	-0.30	-0.20	0.828	0.718	0.618	0.541	
21-22	0.56	0.83	0.55	0.84	0.01	-0.28	-0.26	0.733	0.656	0.576	0.508	
22-23	0.56	0.83	0.55	0.83	0.00	-0.27	-0.27	0.612	0.563	0.504	0.449	
23-24	0.54	0.81	0.54	0.81	0.0	-0.26	-0.26	0.329	0.306	0.276	0.247	
TOTAL	13.06	20.78	12.83	20.90	7.30	-7.72	-0.42					

SHORTWAVE RADIATION (MJ/M**2)													
DEC. 16	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
HR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.20	0.12	9.99	0.11	0.23	0.14	9.99	0.10	0.20	0.11	0.14	0.04	
1- 2	0.30	0.20	9.99	0.17	0.34	0.23	9.99	0.16	0.28	0.16	0.20	0.08	
2- 3	0.45	0.32	9.99	0.26	0.47	0.36	9.99	0.25	0.41	0.24	0.35	0.17	
3- 4	0.54	0.39	9.99	0.29	0.54	0.39	9.99	0.25	0.52	0.28	0.43	0.19	
4- 5	0.88	0.65	9.99	0.46	0.81	0.58	9.99	0.36	0.87	0.45	0.68	0.29	
5- 6	1.37	1.02	9.99	0.72	1.21	0.88	9.99	0.53	1.35	0.71	1.02	0.44	
6- 7	1.78	1.32	9.99	0.93	1.51	1.08	9.99	0.64	1.82	0.94	1.32	0.57	
7- 8	2.07	1.54	9.99	1.07	1.72	1.21	9.99	0.71	2.11	1.09	1.54	0.64	
8- 9	2.31	1.72	9.99	1.16	1.90	1.31	9.99	0.76	2.37	1.18	1.75	0.72	
9-10	2.76	2.06	9.99	1.42	2.21	1.52	9.99	0.88	2.82	1.43	2.08	0.87	
10-11	2.89	2.15	9.99	1.47	2.28	1.55	9.99	0.89	2.92	1.47	2.20	0.91	
11-12	3.00	2.25	9.99	1.53	2.35	1.59	9.99	0.92	3.03	1.53	2.30	0.95	
12-13	3.05	2.28	9.99	1.55	2.37	1.60	9.99	0.92	3.07	1.55	2.34	0.97	
13-14	2.86	2.14	9.99	1.43	2.22	1.49	9.99	0.86	2.88	1.44	2.21	0.91	
14-15	2.74	2.07	9.99	1.39	2.12	1.43	9.99	0.84	2.74	1.39	2.14	0.89	
15-16	2.46	1.86	9.99	1.26	1.88	1.27	9.99	0.75	2.44	1.25	1.91	0.81	
16-17	2.12	1.60	9.99	1.10	1.62	1.11	9.99	0.67	2.11	1.09	1.65	0.71	
17-18	1.69	1.27	9.99	0.88	1.32	0.91	9.99	0.54	1.70	0.87	1.33	0.58	
18-19	1.26	0.95	9.99	0.67	1.01	0.70	9.99	0.43	1.29	0.68	1.02	0.45	
19-20	0.93	0.69	9.99	0.51	0.78	0.56	9.99	0.35	0.82	0.35	0.77	0.35	
20-21	0.55	0.39	9.99	0.29	0.48	0.35	9.99	0.22	0.53	0.30	0.46	0.21	
21-22	0.26	0.17	9.99	0.13	0.26	0.17	9.99	0.11	0.27	0.13	0.24	0.10	
22-23	0.20	0.12	9.99	0.11	0.20	0.12	9.99	0.07	0.22	0.10	0.15	0.05	
23-24	0.11	0.06	9.99	0.04	0.09	0.03	9.99	0.01	0.12	0.05	0.07	0.0	
TOTAL	36.76	27.33	99.99	18.95	29.93	20.57	99.99	12.23	36.90	18.79	28.32	11.89	

LONGWAVE RADIATION (MJ/M**2)															
DEC. 16	(SURFACE)				(30M)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)
0- 1	0.56	0.80	0.54	0.79	0.0	-0.24	-0.24	0.417	0.391	0.357	0.322				
1- 2	0.55	0.79	0.54	0.80	0.0	-0.24	-0.24	0.640	0.589	0.528	0.471				
2- 3	0.57	0.79	0.53	0.81	0.0	-0.23	-0.23	0.713	0.637	0.559	0.492				
3- 4	0.56	0.79	0.55	0.81	0.0	-0.23	-0.23	0.561	0.485	0.415	0.361				
4- 5	0.60	0.82	0.58	0.81	0.06	-0.22	-0.15	0.527	0.444	0.376	0.326				
5- 6	0.57	0.83	0.55	0.82	0.16	-0.26	-0.10	0.906	0.748	0.628	0.542				
6- 7	0.56	0.85	0.53	0.84	0.27	-0.29	-0.02	1.005	0.817	0.681	0.587				
7- 8	0.57	0.87	0.55	0.86	0.35	-0.30	0.05	0.923	0.743	0.616	0.530				
8- 9	0.63	0.89	0.62	0.89	0.41	-0.26	0.14	0.687	0.546	0.452	0.388				
9-10	0.57	0.92	0.57	0.91	0.55	-0.35	0.20	1.049	0.834	0.689	0.591				
10-11	0.57	0.93	0.57	0.93	0.61	-0.37	0.24	1.025	0.810	0.668	0.573				
11-12	0.57	0.94	0.58	0.95	0.65	-0.38	0.28	1.069	0.843	0.695	0.596				
12-13	0.58	0.95	0.59	0.95	0.68	-0.38	0.30	1.070	0.844	0.695	0.596				
13-14	0.61	0.96	0.61	0.96	0.64	-0.35	0.29	0.924	0.727	0.600	0.514				
14-15	0.60	0.96	0.60	0.97	0.62	-0.37	0.26	0.988	0.782	0.644	0.553				
15-16	0.59	0.95	0.58	0.97	0.58	-0.36	0.22	1.052	0.838	0.692	0.596				
16-17	0.59	0.94	0.58	0.95	0.50	-0.35	0.15	1.049	0.843	0.699	0.601				
17-18	0.60	0.94	0.59	0.94	0.37	-0.34	0.03	0.869	0.705	0.586	0.505				
18-19	0.58	0.91	0.56	0.92	0.25	-0.34	-0.09	0.801	0.658	0.550	0.476				
19-20	0.56	0.90	0.56	0.91	0.16	-0.33	-0.18	0.821	0.691	0.586	0.509				
20-21	0.58	0.86	0.57	0.88	0.06	-0.29	-0.23	0.542	0.469	0.403	0.351				
21-22	0.56	0.85	0.55	0.84	0.0	-0.29	-0.29	0.260	0.231	0.202	0.177				
22-23	0.56	0.83	0.54	0.82	0.00	-0.27	-0.27	0.348	0.318	0.284	0.251				
23-24	0.55	0.80	0.54	0.81	0.02	-0.25	-0.23	0.090	0.084	0.076	0.069				
TOTAL	13.83	21.09	13.59	21.15	6.93	-7.26	-0.33								

SHORTWAVE RADIATION (MJ/M**2)												
DEC. 17	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HOUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.17	0.11	9.99	0.09	0.17	0.10	9.99	0.06	0.17	0.10	0.11	0.03
1- 2	0.20	0.14	9.99	0.11	0.19	0.11	9.99	0.06	0.20	0.10	0.14	0.04
2- 3	0.27	0.19	9.99	0.14	0.28	0.19	9.99	0.12	0.27	0.13	0.23	0.09
3- 4	0.50	0.36	9.99	0.26	0.49	0.34	9.99	0.22	0.49	0.26	0.40	0.17
4- 5	0.87	0.65	9.99	0.45	0.79	0.57	9.99	0.35	0.87	0.45	0.68	0.29
5- 6	1.33	0.99	9.99	0.70	1.17	0.85	9.99	0.51	1.33	0.70	1.00	0.44
6- 7	1.76	1.31	9.99	0.91	1.49	1.05	9.99	0.63	1.79	0.93	1.31	0.56
7- 8	2.17	1.62	9.99	1.13	1.79	1.25	9.99	0.74	2.21	1.15	1.60	0.67
8- 9	2.40	1.80	9.99	1.23	1.95	1.35	9.99	0.79	2.46	1.26	1.80	0.74
9-10	2.77	2.07	9.99	1.42	2.25	1.54	9.99	0.89	2.85	1.44	2.11	0.87
10-11	2.95	2.22	9.99	1.52	2.37	1.62	9.99	0.94	3.02	1.52	2.27	0.93
11-12	3.09	2.31	9.99	1.57	2.45	1.65	9.99	0.96	3.12	1.57	2.38	0.98
12-13	3.05	2.28	9.99	1.54	2.39	1.61	9.99	0.92	3.07	1.54	2.33	0.95
13-14	2.81	2.08	1.87	9.99	2.24	1.50	0.68	9.99	2.84	1.35	2.19	0.86
14-15	2.43	1.78	1.32	9.99	2.03	1.36	0.96	9.99	2.52	1.15	1.96	0.74
15-16	2.35	1.74	1.32	9.99	1.94	1.31	0.94	9.99	2.42	1.14	1.90	0.75
16-17	1.92	1.42	1.09	9.99	1.55	1.05	0.76	9.99	1.94	0.94	1.52	0.61
17-18	1.23	0.89	0.66	9.99	1.03	0.68	0.48	9.99	1.24	0.56	0.97	0.36
18-19	0.82	0.57	0.41	9.99	0.72	0.45	0.31	9.99	0.84	0.34	0.67	0.23
19-20	0.57	0.40	0.29	9.99	0.50	0.31	0.22	9.99	0.58	0.25	0.46	0.16
20-21	0.40	0.28	0.21	9.99	0.34	0.21	0.16	9.99	0.41	0.18	0.32	0.12
21-22	0.26	0.18	0.13	9.99	0.23	0.14	0.10	9.99	0.27	0.12	0.21	0.07
22-23	0.14	0.09	0.07	9.99	0.09	0.03	0.01	9.99	0.15	0.06	0.08	0.0
23-24	0.12	0.08	0.06	9.99	0.07	0.02	0.01	9.99	0.13	0.06	0.06	0.0
TOTAL	34.57	25.54	99.99	99.99	28.52	19.28	99.99	99.99	35.19	17.30	26.71	10.67

LONGWAVE RADIATION (MJ/M**2)      NET RADIATION (MJ/M**2)      DIRECT RADIATION (KW/M**2)												
DEC. 17	(SURFACE)		(30M)		(SURFACE)			(BLANK)				
HOUR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0- 1	0.56	0.80	0.55	0.80	0.0	-0.24	-0.24	0.222	0.208	0.189	0.170	
1- 2	0.56	0.80	0.55	0.80	0.01	-0.23	-0.22	0.196	0.177	0.161	0.143	
2- 3	0.56	0.80	0.54	0.80	0.0	-0.24	-0.24	0.178	0.159	0.139	0.122	
3- 4	0.57	0.81	0.55	0.82	0.01	-0.24	-0.23	0.357	0.307	0.263	0.229	
4- 5	0.62	0.84	0.60	0.83	0.08	-0.23	-0.15	0.436	0.367	0.312	0.270	
5- 6	0.57	0.85	0.54	0.84	0.16	-0.28	-0.12	0.799	0.659	0.553	0.476	
6- 7	0.57	0.86	0.55	0.86	0.27	-0.30	-0.03	0.872	0.706	0.590	0.510	
7- 8	0.54	0.88	0.52	0.87	0.38	-0.34	0.05	1.041	0.838	0.696	0.601	
8- 9	0.57	0.89	0.55	0.89	0.45	-0.33	0.12	0.916	0.733	0.604	0.520	
9-10	0.58	0.92	0.58	0.92	0.52	-0.33	0.19	0.999	0.787	0.650	0.560	
10-11	0.62	0.93	0.61	0.94	0.58	-0.32	0.26	0.922	0.722	0.590	0.507	
11-12	0.61	0.95	0.61	0.96	0.64	-0.34	0.30	1.029	0.810	0.663	0.570	
12-13	0.63	0.96	0.62	0.98	0.66	-0.33	0.33	0.948	0.737	0.618	0.530	
13-14	0.76	0.97	0.76	0.99	0.57	-0.21	0.36	0.332	0.253	0.203	0.167	
14-15	0.84	0.98	0.84	0.98	0.40	-0.14	0.26	0.074	0.052	0.039	0.029	
15-16	0.83	0.99	0.83	0.99	0.41	-0.15	0.26	0.154	0.119	0.093	0.077	
16-17	0.80	0.99	0.79	0.99	0.36	-0.19	0.17	0.237	0.176	0.145	0.111	
17-18	0.85	0.98	0.84	0.98	0.20	-0.13	0.06	0.009	0.004	0.003	0.004	
18-19	0.89	0.98	0.89	0.97	0.10	-0.08	0.02	0.0	0.0	0.0	0.0	
19-20	0.89	0.97	0.88	0.96	0.07	-0.08	-0.00	0.0	0.0	0.0	0.0	
20-21	0.87	0.96	0.86	0.95	0.05	-0.09	-0.04	0.0	0.0	0.0	0.0	
21-22	0.88	0.95	0.88	0.95	0.03	-0.07	-0.04	0.0	0.0	0.0	0.0	
22-23	0.85	0.93	0.85	0.94	0.05	-0.08	-0.03	0.0	0.0	0.0	0.0	
23-24	0.76	0.90	0.76	0.92	0.04	-0.14	-0.10	0.000	0.0	0.0	0.0	
TOTAL	16.77	21.89	16.54	21.94	6.07	-5.12	0.95					



SHORTWAVE RADIATION (MJ/M**2)													
DEC. 18	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	HOURL	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.11	0.07	0.06	9.99	0.06	0.01	0.01	9.99	0.13	0.05	0.06	0.0	
1-2	0.16	0.10	0.08	9.99	0.12	0.06	0.04	9.99	0.17	0.07	0.11	0.02	
2-3	0.26	0.18	0.13	9.99	0.23	0.14	0.10	9.99	0.27	0.12	0.21	0.07	
3-4	0.40	0.28	0.21	9.99	0.36	0.23	0.17	9.99	0.41	0.18	0.33	0.12	
4-5	0.72	0.53	0.40	9.99	0.65	0.44	0.32	9.99	0.74	0.35	0.58	0.23	
5-6	1.07	0.79	0.60	9.99	0.95	0.66	0.47	9.99	1.09	0.52	0.86	0.34	
6-7	1.33	0.97	0.75	9.99	1.19	0.82	0.59	9.99	1.37	0.65	1.06	0.43	
7-8	1.95	1.44	1.11	9.99	1.69	1.17	0.85	9.99	1.99	0.98	1.52	0.62	
8-9	2.47	1.84	1.42	9.99	2.09	1.45	1.06	9.99	2.53	1.26	1.92	0.78	
9-10	2.38	1.74	1.30	9.99	2.03	1.37	0.98	9.99	2.44	1.14	1.89	0.74	
10-11	2.84	2.10	1.60	9.99	2.35	1.59	1.16	9.99	2.89	1.40	2.23	0.90	
11-12	2.92	2.15	1.63	9.99	2.41	1.62	1.17	9.99	2.97	1.42	2.30	0.91	
12-13	2.99	2.23	1.72	9.99	2.38	1.59	1.18	9.99	3.00	1.49	2.34	0.95	
13-14	2.87	2.14	1.65	9.99	2.28	1.53	1.13	9.99	2.90	1.44	2.27	0.93	
14-15	2.60	1.96	1.51	9.99	2.10	1.40	1.05	9.99	2.64	1.31	2.08	0.85	
15-16	2.32	1.73	1.31	9.99	1.88	1.26	0.93	9.99	2.32	1.12	1.85	0.74	
16-17	1.87	1.37	1.02	9.99	1.56	1.04	0.75	9.99	1.88	0.88	1.49	0.58	
17-18	1.12	0.81	0.60	9.99	0.96	0.62	0.44	9.99	1.14	0.51	0.94	0.34	
18-19	1.32	0.99	0.78	9.99	1.08	0.74	0.56	9.99	1.36	0.70	1.09	0.48	
19-20	0.96	0.70	0.57	9.99	0.83	0.58	0.44	9.99	0.85	0.36	0.82	0.36	
20-21	0.63	0.45	0.37	9.99	0.57	0.41	0.31	9.99	0.55	0.35	0.55	0.25	
21-22	0.43	0.28	0.25	9.99	0.43	0.31	0.24	9.99	0.46	0.23	0.37	0.17	
22-23	0.29	0.18	0.18	9.99	0.30	0.20	0.15	9.99	0.32	0.16	0.22	0.08	
23-24	0.19	0.11	0.12	9.99	0.25	0.16	0.12	9.99	0.23	0.11	0.15	0.05	
TOTAL	34.21	25.15	19.36	99.99	28.75	19.41	14.22	99.99	34.64	16.80	27.25	10.94	

DEC. 18	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
	(SURFACE)		(30M)		(SURFACE)			(BLANK)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0-1	0.79	0.91	0.78	0.92	0.05	-0.11	-0.07	0.000	0.0	0.0	0.0	0.0
1-2	0.81	0.91	0.81	0.92	0.03	-0.10	-0.07	0.0	0.0	0.0	0.0	0.0
2-3	0.82	0.91	0.82	0.91	0.03	-0.09	-0.06	0.001	0.001	0.000	0.000	0.000
3-4	0.85	0.92	0.84	0.91	0.04	-0.07	-0.03	0.006	0.005	0.004	0.003	0.003
4-5	0.81	0.92	0.81	0.92	0.07	-0.11	-0.04	0.044	0.035	0.028	0.024	0.024
5-6	0.80	0.92	0.79	0.93	0.12	-0.12	-0.00	0.118	0.093	0.076	0.065	0.065
6-7	0.75	0.94	0.74	0.94	0.15	-0.18	-0.04	0.321	0.257	0.212	0.181	0.181
7-8	0.75	0.96	0.74	0.96	0.26	-0.21	0.06	0.506	0.402	0.331	0.282	0.282
8-9	0.70	0.98	0.69	0.98	0.38	-0.28	0.10	0.777	0.615	0.498	0.429	0.429
9-10	0.78	0.99	0.77	0.99	0.35	-0.21	0.14	0.353	0.277	0.226	0.191	0.191
10-11	0.71	1.00	0.71	1.01	0.49	-0.29	0.20	0.638	0.498	0.410	0.350	0.350
11-12	0.74	1.01	0.74	1.02	0.51	-0.26	0.25	0.495	0.386	0.318	0.267	0.267
12-13	0.65	1.01	0.65	1.02	0.61	-0.36	0.25	0.894	0.703	0.572	0.491	0.491
13-14	0.65	1.00	0.66	1.02	0.59	-0.35	0.24	0.841	0.664	0.547	0.462	0.462
14-15	0.69	1.00	0.69	1.02	0.51	-0.31	0.20	0.730	0.539	0.439	0.385	0.385
15-16	0.78	1.01	0.78	1.03	0.44	-0.23	0.21	0.307	0.259	0.194	0.167	0.167
16-17	0.84	1.02	0.84	1.03	0.30	-0.17	0.13	0.094	0.083	0.060	0.048	0.048
17-18	0.82	0.98	0.82	0.99	0.16	-0.16	-0.01	0.021	0.016	0.013	0.012	0.012
18-19	0.64	0.96	0.62	0.97	0.24	-0.32	-0.08	0.940	0.772	0.642	0.553	0.553
19-20	0.63	0.93	0.62	0.94	0.13	-0.31	-0.18	0.873	0.732	0.615	0.531	0.531
20-21	0.63	0.91	0.62	0.92	0.06	-0.28	-0.22	0.739	0.637	0.543	0.471	0.471
21-22	0.62	0.89	0.60	0.90	0.0	-0.27	-0.27	0.701	0.623	0.542	0.474	0.474
22-23	0.62	0.88	0.61	0.89	0.0	-0.25	-0.25	0.629	0.576	0.512	0.453	0.453
23-24	0.61	0.87	0.60	0.88	0.0	-0.26	-0.26	0.559	0.520	0.469	0.418	0.418
TOTAL	17.50	22.82	17.36	23.04	5.52	-5.31	0.21					

SHORTWAVE RADIATION (MJ/M**2)												
DEC. 19	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0-1	0.20	0.11	0.13	9.99	0.26	0.17	0.12	9.99	0.22	0.11	0.15	0.04
1-2	0.28	0.18	0.18	9.99	0.35	0.25	0.19	9.99	0.26	0.14	0.22	0.09
2-3	0.20	0.12	0.09	9.99	0.21	0.12	0.09	9.99	0.20	0.08	0.17	0.05
3-4	0.37	0.26	0.20	9.99	0.34	0.22	0.16	9.99	0.37	0.17	0.30	0.11
4-5	0.66	0.48	0.37	9.99	0.61	0.42	0.30	9.99	0.68	0.33	0.53	0.21
5-6	1.30	0.96	0.75	9.99	1.17	0.85	0.61	9.99	1.31	0.67	1.00	0.42
6-7	1.78	1.32	1.04	9.99	1.53	1.09	0.78	9.99	1.82	0.93	1.33	0.56
7-8	2.13	1.57	1.24	9.99	1.78	1.25	0.90	9.99	2.17	1.11	1.59	0.66
8-9	2.45	1.83	1.42	9.99	2.02	1.40	1.01	9.99	2.51	1.28	1.85	0.76
9-10	2.73	2.03	1.57	9.99	2.21	1.51	1.10	9.99	2.79	1.41	2.08	0.85
10-11	2.93	2.18	1.69	9.99	2.35	1.59	1.16	9.99	2.97	1.49	2.25	0.92
11-12	3.02	2.26	1.75	9.99	2.40	1.61	1.18	9.99	3.06	1.54	2.35	0.96
12-13	3.02	2.26	1.75	9.99	2.37	1.59	1.17	9.99	3.05	1.54	2.35	0.96
13-14	2.91	2.18	1.70	9.99	2.29	1.53	1.13	9.99	2.94	1.48	2.30	0.94
14-15	2.72	2.05	1.59	9.99	2.11	1.41	1.05	9.99	2.73	1.38	2.18	0.90
15-16	2.44	1.85	1.44	9.99	1.91	1.28	0.96	9.99	2.44	1.24	1.96	0.82
16-17	2.12	1.59	1.25	9.99	1.66	1.12	0.84	9.99	2.11	1.07	1.70	0.72
17-18	1.74	1.30	1.02	9.99	1.38	0.94	0.71	9.99	1.76	0.90	1.41	0.61
18-19	1.35	1.01	0.80	9.99	1.09	0.75	0.57	9.99	1.38	0.71	1.11	0.48
19-20	0.97	0.71	0.57	9.99	0.83	0.59	0.44	9.99	0.86	0.36	0.83	0.37
20-21	0.68	0.49	0.41	9.99	0.60	0.44	0.33	9.99	0.60	0.38	0.58	0.27
21-22	0.45	0.30	0.27	9.99	0.42	0.31	0.24	9.99	0.48	0.24	0.39	0.18
22-23	0.31	0.20	0.19	9.99	0.31	0.24	0.18	9.99	0.34	0.17	0.28	0.14
23-24	0.24	0.18	0.15	9.99	0.21	0.15	0.12	9.99	0.25	0.13	0.19	0.09
TOTAL	37.02	27.43	21.57	99.99	30.42	20.82	15.35	99.99	37.28	18.85	29.12	12.10

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
DEC. 19	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
HR	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL					
0-1	0.60	0.86	0.59	0.86	0.0	-0.26	-0.26	0.542	0.504	0.455	0.405	
1-2	0.60	0.85	0.59	0.85	0.0	-0.24	-0.24	0.634	0.580	0.515	0.455	
2-3	0.60	0.82	0.60	0.84	0.0	-0.22	-0.22	0.100	0.082	0.071	0.063	
3-4	0.66	0.83	0.65	0.86	0.02	-0.17	-0.15	0.048	0.044	0.041	0.039	
4-5	0.68	0.85	0.66	0.87	0.05	-0.18	-0.13	0.153	0.110	0.086	0.076	
5-6	0.61	0.88	0.59	0.89	0.13	-0.27	-0.15	0.848	0.686	0.585	0.511	
6-7	0.61	0.91	0.59	0.92	0.25	-0.31	-0.06	1.006	0.812	0.675	0.583	
7-8	0.59	0.92	0.58	0.92	0.35	-0.33	0.02	1.043	0.836	0.691	0.592	
8-9	0.59	0.93	0.57	0.92	0.43	-0.34	0.09	1.070	0.852	0.703	0.602	
9-10	0.58	0.95	0.58	0.94	0.52	-0.37	0.15	1.089	0.862	0.711	0.606	
10-11	0.60	0.96	0.59	0.96	0.58	-0.37	0.21	1.099	0.866	0.712	0.612	
11-12	0.59	0.98	0.60	0.98	0.62	-0.39	0.23	1.105	0.868	0.713	0.614	
12-13	0.59	1.00	0.61	0.99	0.65	-0.41	0.24	1.098	0.864	0.711	0.609	
13-14	0.60	1.00	0.60	1.00	0.63	-0.40	0.22	1.093	0.862	0.709	0.606	
14-15	0.60	0.99	0.60	1.00	0.61	-0.39	0.22	1.088	0.861	0.708	0.608	
15-16	0.61	0.99	0.61	1.01	0.53	-0.38	0.16	1.073	0.852	0.703	0.601	
16-17	0.63	0.99	0.61	1.00	0.47	-0.36	0.11	1.050	0.841	0.695	0.596	
17-18	0.63	0.98	0.62	0.99	0.36	-0.35	0.02	1.016	0.823	0.683	0.586	
18-19	0.62	0.96	0.61	0.97	0.26	-0.33	-0.08	0.969	0.796	0.665	0.572	
19-20	0.61	0.93	0.61	0.94	0.15	-0.32	-0.18	0.889	0.745	0.627	0.542	
20-21	0.62	0.91	0.61	0.91	0.08	-0.30	-0.22	0.820	0.707	0.605	0.526	
21-22	0.61	0.89	0.60	0.90	0.03	-0.28	-0.25	0.729	0.647	0.564	0.494	
22-23	0.62	0.87	0.62	0.88	0.0	-0.25	-0.25	0.637	0.582	0.517	0.457	
23-24	0.73	0.89	0.72	0.88	0.03	-0.16	-0.13	0.160	0.146	0.129	0.113	
TOTAL	14.77	22.16	14.60	22.30	6.75	-7.38	-0.64					

SHORTWAVE RADIATION (MJ/M**2)												
DEC. 20												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.14	0.10	0.08	9.99	0.12	0.07	0.05	9.99	0.15	0.07	0.12	0.04
1- 2	0.19	0.14	0.11	9.99	0.17	0.10	0.08	9.99	0.21	0.10	0.16	0.06
2- 3	0.27	0.20	0.15	9.99	0.25	0.16	0.12	9.99	0.28	0.14	0.23	0.09
3- 4	0.57	0.42	0.33	9.99	0.52	0.36	0.26	9.99	0.57	0.29	0.46	0.19
4- 5	0.79	0.58	0.45	9.99	0.71	0.50	0.36	9.99	0.79	0.39	0.63	0.25
5- 6	1.40	1.03	0.81	9.99	1.26	0.90	0.65	9.99	1.39	0.71	1.08	0.45
6- 7	1.73	1.28	1.01	9.99	1.51	1.07	0.77	9.99	1.77	0.90	1.33	0.55
7- 8	2.09	1.55	1.21	9.99	1.78	1.24	0.89	9.99	2.13	1.08	1.60	0.65
8- 9	2.42	1.81	1.40	9.99	2.02	1.39	1.00	9.99	2.49	1.25	1.88	0.76
9-10	2.52	1.87	1.44	9.99	2.06	1.40	1.01	9.99	2.59	1.28	1.96	0.80
10-11	2.92	2.17	1.68	9.99	2.36	1.60	1.16	9.99	2.96	1.47	2.30	0.93
11-12	3.02	2.26	1.74	9.99	2.40	1.61	1.18	9.99	3.05	1.52	2.40	0.97
12-13	3.01	2.24	1.73	9.99	2.37	1.57	1.16	9.99	3.03	1.52	2.39	0.96
13-14	2.91	2.17	1.68	9.99	2.28	1.51	1.12	9.99	2.93	1.47	2.32	0.94
14-15	2.72	2.05	1.58	9.99	2.12	1.41	1.05	9.99	2.73	1.37	2.18	0.89
15-16	2.51	1.90	1.46	9.99	1.96	1.31	0.97	9.99	2.50	1.26	2.01	0.83
16-17	2.22	1.67	1.30	9.99	1.74	1.18	0.87	9.99	2.22	1.12	1.77	0.74
17-18	1.81	1.35	1.05	9.99	1.43	0.98	0.72	9.99	1.82	0.93	1.46	0.62
18-19	1.39	1.04	0.82	9.99	1.12	0.78	0.58	9.99	1.42	0.74	1.14	0.49
19-20	0.96	0.70	0.57	9.99	0.82	0.58	0.43	9.99	0.86	0.36	0.82	0.36
20-21	0.31	0.21	0.16	9.99	0.30	0.19	0.14	9.99	0.28	0.14	0.29	0.11
21-22	0.28	0.19	0.16	9.99	0.29	0.20	0.15	9.99	0.30	0.14	0.27	0.12
22-23	0.29	0.18	0.17	9.99	0.29	0.22	0.16	9.99	0.31	0.15	0.26	0.12
23-24	0.21	0.11	0.12	9.99	0.25	0.19	0.14	9.99	0.25	0.12	0.20	0.09
TOTAL	36.69	27.21	21.23	99.99	30.13	20.54	15.01	99.99	37.02	18.49	29.24	12.03

LONGWAVE RADIATION (MJ/M**2)												
DEC. 20												
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0- 1	0.80	0.90	0.80	0.91	0.02	-0.10	-0.08	0.0	0.0	0.0	0.0	
1- 2	0.71	0.89	0.70	0.89	0.02	-0.18	-0.16	0.000	0.000	0.000	0.000	
2- 3	0.68	0.88	0.67	0.88	0.02	-0.20	-0.18	0.046	0.040	0.033	0.028	
3- 4	0.70	0.89	0.69	0.90	0.05	-0.19	-0.14	0.176	0.149	0.126	0.107	
4- 5	0.68	0.89	0.66	0.91	0.07	-0.21	-0.14	0.283	0.236	0.197	0.169	
5- 6	0.64	0.92	0.61	0.91	0.14	-0.28	-0.14	0.886	0.728	0.606	0.521	
6- 7	0.63	0.92	0.60	0.91	0.21	-0.29	-0.08	0.958	0.774	0.640	0.546	
7- 8	0.63	0.93	0.60	0.92	0.31	-0.30	0.01	0.962	0.769	0.635	0.544	
8- 9	0.63	0.95	0.61	0.93	0.40	-0.32	0.09	0.971	0.769	0.632	0.540	
9-10	0.63	0.96	0.63	0.96	0.46	-0.34	0.12	0.852	0.670	0.549	0.467	
10-11	0.63	0.98	0.63	0.98	0.57	-0.35	0.22	1.032	0.812	0.665	0.568	
11-12	0.62	0.99	0.63	0.99	0.62	-0.37	0.25	1.085	0.853	0.699	0.595	
12-13	0.63	1.00	0.63	1.00	0.64	-0.37	0.27	1.086	0.855	0.700	0.597	
13-14	0.63	1.00	0.63	0.99	0.63	-0.37	0.26	1.090	0.856	0.702	0.601	
14-15	0.63	1.00	0.63	0.99	0.60	-0.37	0.23	1.073	0.847	0.695	0.594	
15-16	0.64	1.00	0.64	0.99	0.55	-0.36	0.19	1.050	0.833	0.686	0.586	
16-17	0.65	1.00	0.64	0.99	0.49	-0.35	0.14	1.021	0.816	0.672	0.575	
17-18	0.64	0.99	0.62	0.98	0.38	-0.35	0.03	0.999	0.807	0.670	0.574	
18-19	0.62	0.96	0.61	0.97	0.27	-0.34	-0.07	0.966	0.793	0.661	0.569	
19-20	0.62	0.94	0.61	0.95	0.14	-0.32	-0.18	0.847	0.708	0.595	0.513	
20-21	0.61	0.90	0.61	0.91	0.01	-0.29	-0.28	0.233	0.198	0.168	0.145	
21-22	0.61	0.88	0.59	0.89	0.0	-0.28	-0.28	0.401	0.356	0.311	0.272	
22-23	0.59	0.88	0.58	0.88	0.0	-0.28	-0.28	0.635	0.581	0.515	0.456	
23-24	0.59	0.86	0.58	0.86	0.0	-0.27	-0.27	0.590	0.549	0.494	0.442	
TOTAL	15.46	22.53	15.22	22.51	6.61	-7.07	-0.46					

SHORTWAVE RADIATION (MJ/M**2)												
DEC. 21	GLOBAL(SURFACE)				REFLECTED(SURFACE)				GLOBAL(30M)		REFLECTED(30M)	
HOUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.21	0.12	0.13	9.99	0.25	0.19	0.15	9.99	0.22	0.11	0.19	0.09
1- 2	0.29	0.19	0.19	9.99	0.33	0.26	0.19	9.99	0.27	0.15	0.25	0.12
2- 3	0.46	0.32	0.28	9.99	0.48	0.37	0.27	9.99	0.43	0.23	0.37	0.17
3- 4	0.71	0.51	0.42	9.99	0.69	0.52	0.38	9.99	0.68	0.36	0.55	0.24
4- 5	1.02	0.75	0.60	9.99	0.95	0.70	0.51	9.99	1.01	0.52	0.78	0.34
5- 6	1.38	1.02	0.81	9.99	1.23	0.89	0.64	9.99	1.37	0.71	1.05	0.44
6- 7	1.77	1.31	1.03	9.99	1.52	1.08	0.78	9.99	1.80	0.92	1.34	0.56
7- 8	2.14	1.58	1.25	9.99	1.79	1.25	0.90	9.99	2.17	1.12	1.61	0.66
8- 9	2.46	1.84	1.43	9.99	2.01	1.39	1.00	9.99	2.52	1.29	1.88	0.77
9-10	2.74	2.04	1.58	9.99	2.19	1.50	1.08	9.99	2.80	1.42	2.11	0.87
10-11	2.95	2.19	1.69	9.99	2.32	1.58	1.14	9.99	2.98	1.50	2.28	0.93
11-12	3.00	2.27	1.77	9.99	2.39	1.61	1.17	9.99	3.07	1.55	2.38	0.97
12-13	3.05	2.28	1.77	9.99	2.37	1.58	1.16	9.99	3.07	1.55	2.38	0.97
13-14	2.94	2.21	1.71	9.99	2.27	1.52	1.12	9.99	2.96	1.50	2.31	0.94
14-15	2.74	2.07	1.60	9.99	2.11	1.41	1.04	9.99	2.75	1.40	2.17	0.89
15-16	2.45	1.87	1.45	9.99	1.91	1.28	0.95	9.99	2.46	1.25	1.96	0.81
16-17	2.12	1.61	1.26	9.99	1.65	1.12	0.83	9.99	2.13	1.09	1.70	0.72
17-18	1.75	1.32	1.03	9.99	1.38	0.94	0.70	9.99	1.77	0.91	1.41	0.60
18-19	1.38	1.03	0.81	9.99	1.10	0.76	0.57	9.99	1.40	0.73	1.11	0.48
19-20	0.97	0.72	0.58	9.99	0.83	0.60	0.44	9.99	0.88	0.55	0.83	0.37
20-21	0.67	0.50	0.41	9.99	0.61	0.45	0.32	9.99	0.59	0.39	0.59	0.27
21-22	0.45	0.31	0.27	9.99	0.43	0.32	0.23	9.99	0.49	0.24	0.40	0.18
22-23	0.29	0.18	0.18	9.99	0.30	0.22	0.17	9.99	0.32	0.16	0.26	0.13
23-24	0.22	0.11	0.14	9.99	0.25	0.19	0.15	9.99	0.25	0.13	0.20	0.10
TOTAL	38.15	28.36	22.39	99.99	31.35	21.72	15.87	99.99	38.39	19.78	30.12	12.61

LONGWAVE RADIATION (MJ/M**2)												
DEC. 21	LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)				
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL					
0- 1	0.59	0.85	0.57	0.85	0.0	-0.26	-0.26	0.556	0.518	0.466	0.416	
1- 2	0.58	0.84	0.56	0.84	0.0	-0.26	-0.26	0.651	0.596	0.529	0.468	
2- 3	0.59	0.83	0.56	0.84	0.0	-0.24	-0.24	0.741	0.659	0.573	0.503	
3- 4	0.59	0.84	0.56	0.84	0.02	-0.26	-0.24	0.832	0.717	0.613	0.534	
4- 5	0.57	0.85	0.55	0.84	0.07	-0.28	-0.21	0.910	0.765	0.645	0.557	
5- 6	0.58	0.86	0.55	0.85	0.15	-0.29	-0.14	0.972	0.800	0.669	0.576	
6- 7	0.58	0.88	0.56	0.87	0.25	-0.30	-0.05	1.019	0.826	0.686	0.590	
7- 8	0.58	0.89	0.56	0.88	0.35	-0.31	0.04	1.054	0.846	0.700	0.601	
8- 9	0.57	0.91	0.56	0.89	0.45	-0.34	0.11	1.077	0.858	0.709	0.608	
9-10	0.57	0.92	0.56	0.93	0.55	-0.36	0.19	1.092	0.864	0.713	0.612	
10-11	0.57	0.94	0.57	0.95	0.63	-0.37	0.26	1.103	0.870	0.717	0.613	
11-12	0.58	0.96	0.57	0.96	0.61	-0.37	0.24	1.105	0.869	0.717	0.613	
12-13	0.57	0.97	0.59	0.98	0.68	-0.39	0.29	1.111	0.874	0.719	0.616	
13-14	0.58	0.98	0.58	0.98	0.66	-0.39	0.27	1.106	0.873	0.719	0.615	
14-15	0.59	0.98	0.59	0.98	0.62	-0.39	0.23	1.097	0.868	0.713	0.614	
15-16	0.59	0.98	0.59	0.99	0.54	-0.39	0.16	1.083	0.860	0.712	0.609	
16-17	0.59	0.98	0.58	0.99	0.47	-0.38	0.09	1.060	0.849	0.703	0.604	
17-18	0.59	0.96	0.58	0.98	0.37	-0.37	-0.01	1.028	0.832	0.691	0.595	
18-19	0.58	0.94	0.57	0.96	0.28	-0.36	-0.08	0.983	0.807	0.675	0.582	
19-20	0.58	0.92	0.57	0.94	0.14	-0.34	-0.19	0.911	0.762	0.642	0.554	
20-21	0.59	0.90	0.57	0.90	0.07	-0.32	-0.25	0.829	0.715	0.614	0.534	
21-22	0.58	0.88	0.57	0.88	0.03	-0.30	-0.28	0.749	0.665	0.581	0.510	
22-23	0.58	0.86	0.56	0.86	0.0	-0.28	-0.28	0.660	0.603	0.537	0.477	
23-24	0.57	0.84	0.55	0.84	0.0	-0.27	-0.27	0.598	0.556	0.502	0.449	
TOTAL	13.94	21.76	13.64	21.83	6.94	-7.82	-0.89					

DEC. 22		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED(SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.23	0.13	0.15	9.99	0.26	0.20	0.16	9.99	0.23	0.13	0.20	0.10	
1- 2	0.30	0.19	0.19	9.99	0.34	0.26	0.20	9.99	0.28	0.16	0.25	0.12	
2- 3	0.47	0.32	0.29	9.99	0.48	0.37	0.27	9.99	0.43	0.24	0.37	0.17	
3- 4	0.71	0.51	0.43	9.99	0.69	0.52	0.38	9.99	0.69	0.37	0.55	0.25	
4- 5	1.03	0.75	0.60	9.99	0.95	0.70	0.51	9.99	1.01	0.53	0.78	0.34	
5- 6	1.39	1.03	0.81	9.99	1.22	0.89	0.64	9.99	1.38	0.71	1.05	0.45	
6- 7	1.77	1.32	1.04	9.99	1.51	1.08	0.77	9.99	1.81	0.93	1.34	0.56	
7- 8	2.14	1.59	1.25	9.99	1.78	1.25	0.90	9.99	2.18	1.13	1.61	0.67	
8- 9	2.47	1.85	1.44	9.99	2.00	1.39	0.99	9.99	2.53	1.30	1.88	0.77	
9-10	2.75	2.05	1.59	9.99	2.19	1.51	1.08	9.99	2.81	1.42	2.10	0.86	
10-11	2.95	2.20	1.71	9.99	2.32	1.59	1.14	9.99	2.98	1.51	2.28	0.93	
11-12	3.05	2.29	1.78	9.99	2.38	1.61	1.17	9.99	3.08	1.56	2.38	0.97	
12-13	3.06	2.29	1.78	9.99	2.36	1.59	1.16	9.99	3.08	1.56	2.39	0.97	
13-14	2.95	2.22	1.73	9.99	2.28	1.52	1.12	9.99	2.97	1.51	2.32	0.95	
14-15	2.75	2.08	1.61	9.99	2.12	1.41	1.04	9.99	2.76	1.40	2.18	0.90	
15-16	2.48	1.88	1.46	9.99	1.91	1.28	0.95	9.99	2.47	1.26	1.97	0.82	
16-17	2.15	1.61	1.26	9.99	1.65	1.12	0.83	9.99	2.13	1.09	1.70	0.72	
17-18	1.77	1.33	1.04	9.99	1.38	0.95	0.71	9.99	1.79	0.92	1.42	0.62	
18-19	1.38	1.04	0.82	9.99	1.10	0.76	0.57	9.99	1.41	0.74	1.12	0.49	
19-20	1.00	0.74	0.60	9.99	0.84	0.61	0.45	9.99	0.90	0.39	0.85	0.38	
20-21	0.70	0.51	0.42	9.99	0.61	0.45	0.33	9.99	0.60	0.39	0.59	0.28	
21-22	0.37	0.26	0.22	9.99	0.34	0.24	0.18	9.99	0.38	0.19	0.32	0.14	
22-23	0.19	0.14	0.11	9.99	0.19	0.12	0.09	9.99	0.20	0.10	0.18	0.08	
23-24	0.18	0.12	0.12	9.99	0.20	0.14	0.10	9.99	0.21	0.10	0.17	0.07	
TOTAL	38.23	28.44	22.45	99.99	31.11	21.58	15.74	99.99	38.29	19.64	30.00	12.60	

DEC. 22		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL					
0- 1	0.57	0.85	0.55	0.84	0.0	-0.28	-0.28	0.566	0.526	0.476	0.425	
1- 2	0.56	0.84	0.54	0.84	0.0	-0.28	-0.28	0.654	0.597	0.532	0.473	
2- 3	0.58	0.84	0.54	0.84	0.0	-0.26	-0.26	0.745	0.662	0.578	0.508	
3- 4	0.56	0.83	0.55	0.83	0.02	-0.27	-0.25	0.839	0.724	0.620	0.540	
4- 5	0.55	0.84	0.54	0.83	0.08	-0.28	-0.21	0.917	0.771	0.651	0.564	
5- 6	0.56	0.85	0.54	0.84	0.16	-0.29	-0.13	0.978	0.806	0.675	0.582	
6- 7	0.56	0.86	0.54	0.85	0.26	-0.30	-0.04	1.024	0.831	0.692	0.595	
7- 8	0.56	0.87	0.54	0.86	0.37	-0.31	0.05	1.058	0.849	0.704	0.605	
8- 9	0.55	0.89	0.54	0.88	0.46	-0.34	0.12	1.082	0.863	0.713	0.611	
9-10	0.54	0.90	0.54	0.91	0.56	-0.37	0.19	1.098	0.869	0.717	0.618	
10-11	0.55	0.92	0.54	0.93	0.63	-0.37	0.25	1.107	0.875	0.722	0.619	
11-12	0.56	0.94	0.55	0.95	0.67	-0.39	0.26	1.111	0.877	0.723	0.620	
12-13	0.55	0.94	0.56	0.95	0.69	-0.39	0.30	1.109	0.873	0.719	0.617	
13-14	0.55	0.95	0.57	0.96	0.67	-0.40	0.28	1.104	0.870	0.717	0.615	
14-15	0.61	0.95	0.56	0.96	0.64	-0.34	0.30	1.093	0.865	0.712	0.612	
15-16	0.58	0.95	0.57	0.95	0.56	-0.37	0.19	1.072	0.852	0.704	0.604	
16-17	0.59	0.95	0.57	0.94	0.50	-0.36	0.13	1.044	0.837	0.694	0.597	
17-18	0.58	0.94	0.56	0.93	0.39	-0.36	0.03	1.020	0.826	0.688	0.591	
18-19	0.56	0.91	0.53	0.92	0.28	-0.35	-0.07	0.967	0.795	0.665	0.575	
19-20	0.56	0.89	0.54	0.91	0.16	-0.34	-0.18	0.861	0.722	0.609	0.528	
20-21	0.56	0.87	0.54	0.88	0.09	-0.31	-0.23	0.747	0.644	0.553	0.483	
21-22	0.57	0.85	0.55	0.85	0.03	-0.28	-0.25	0.345	0.302	0.261	0.228	
22-23	0.57	0.83	0.56	0.83	0.01	-0.25	-0.25	0.109	0.098	0.087	0.076	
23-24	0.57	0.82	0.56	0.81	0.0	-0.25	-0.25	0.254	0.236	0.214	0.191	
TOTAL	13.55	21.30	13.19	21.29	7.22	-7.75	-0.53					

SHORTWAVE RADIATION (MJ/M**2)												
DEC. 23	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	HOURL	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)
0- 1	0.24	0.17	0.16	9.99	0.24	0.18	0.13	9.99	0.26	0.14	0.20	0.07
1- 2	0.27	0.19	0.18	9.99	0.28	0.22	0.16	9.99	0.27	0.15	0.23	0.11
2- 3	0.44	0.31	0.27	9.99	0.43	0.33	0.24	9.99	0.42	0.23	0.35	0.16
3- 4	0.73	0.54	0.45	9.99	0.69	0.52	0.38	9.99	0.71	0.38	0.57	0.26
4- 5	0.92	0.69	0.54	9.99	0.84	0.61	0.44	9.99	0.92	0.48	0.72	0.31
5- 6	1.42	1.06	0.84	9.99	1.24	0.89	0.64	9.99	1.42	0.74	1.08	0.46
6- 7	1.60	1.19	0.94	9.99	1.36	0.96	0.69	9.99	1.63	0.84	1.21	0.51
7- 8	2.14	1.59	1.26	9.99	1.77	1.25	0.90	9.99	2.18	1.13	1.60	0.67
8- 9	2.47	1.86	1.45	9.99	2.01	1.40	1.00	9.99	2.54	1.31	1.88	0.77
9-10	2.76	2.04	1.60	9.99	2.19	1.51	1.07	9.99	2.82	1.44	2.11	0.87
10-11	2.96	2.21	1.72	9.99	2.32	1.59	1.14	9.99	3.00	1.52	2.28	0.94
11-12	3.07	2.30	1.79	9.99	2.38	1.61	1.18	9.99	3.09	1.58	2.38	0.98
12-13	3.07	2.30	1.79	9.99	2.37	1.59	1.16	9.99	3.09	1.58	2.40	0.99
13-14	2.96	2.23	1.74	9.99	2.28	1.52	1.12	9.99	2.98	1.52	2.32	0.96
14-15	2.77	2.09	1.63	9.99	2.12	1.42	1.05	9.99	2.77	1.42	2.18	0.91
15-16	2.48	1.89	1.47	9.99	1.91	1.29	0.95	9.99	2.47	1.27	1.97	0.82
16-17	2.16	1.62	1.28	9.99	1.66	1.13	0.84	9.99	2.15	1.10	1.71	0.73
17-18	1.78	1.34	1.05	9.99	1.39	0.95	0.71	9.99	1.79	0.93	1.43	0.62
18-19	1.38	1.04	0.83	9.99	1.10	0.77	0.57	9.99	1.41	0.74	1.13	0.49
19-20	1.00	0.73	0.59	9.99	0.84	0.60	0.44	9.99	0.90	0.38	0.85	0.38
20-21	0.70	0.50	0.42	9.99	0.61	0.46	0.33	9.99	0.60	0.40	0.60	0.28
21-22	0.47	0.31	0.28	9.99	0.43	0.33	0.24	9.99	0.50	0.25	0.40	0.19
22-23	0.22	0.13	0.13	9.99	0.24	0.17	0.13	9.99	0.24	0.12	0.21	0.10
23-24	0.17	0.10	0.11	9.99	0.21	0.15	0.12	9.99	0.20	0.10	0.17	0.08
TOTAL	38.18	28.44	22.52	99.99	30.90	21.45	15.64	99.99	38.36	19.76	29.97	12.66

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)														
DEC. 23	LONGWAVE RADIATION (SURFACE)				LONGWAVE RADIATION (30M)				NET RADIATION (SURFACE)			DIRECT RADIATION		
	HOURL	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.56	0.81	0.55	0.81	0.0	-0.25	-0.25	0.313	0.289	0.261	0.232			
1- 2	0.55	0.81	0.53	0.80	0.0	-0.26	-0.26	0.366	0.335	0.298	0.266			
2- 3	0.56	0.80	0.53	0.80	0.01	-0.24	-0.24	0.469	0.416	0.364	0.321			
3- 4	0.56	0.80	0.54	0.80	0.05	-0.24	-0.20	0.628	0.541	0.465	0.406			
4- 5	0.55	0.81	0.54	0.80	0.08	-0.26	-0.18	0.568	0.477	0.403	0.350			
5- 6	0.56	0.83	0.54	0.82	0.18	-0.27	-0.09	0.746	0.616	0.516	0.446			
6- 7	0.53	0.84	0.51	0.83	0.24	-0.31	-0.07	0.768	0.623	0.520	0.447			
7- 8	0.52	0.86	0.50	0.84	0.37	-0.34	0.04	1.043	0.839	0.697	0.602			
8- 9	0.53	0.88	0.51	0.87	0.47	-0.35	0.12	1.090	0.869	0.720	0.618			
9-10	0.53	0.90	0.52	0.90	0.57	-0.37	0.20	1.105	0.876	0.723	0.625			
10-11	0.52	0.91	0.54	0.92	0.63	-0.39	0.24	1.116	0.884	0.730	0.626			
11-12	0.53	0.93	0.53	0.94	0.68	-0.40	0.28	1.122	0.885	0.732	0.626			
12-13	0.54	0.94	0.53	0.95	0.70	-0.40	0.30	1.123	0.886	0.732	0.627			
13-14	0.53	0.95	0.54	0.95	0.68	-0.41	0.27	1.116	0.881	0.726	0.626			
14-15	0.53	0.95	0.55	0.95	0.65	-0.42	0.23	1.104	0.875	0.722	0.620			
15-16	0.55	0.95	0.55	0.95	0.57	-0.40	0.17	1.088	0.867	0.716	0.616			
16-17	0.56	0.95	0.55	0.94	0.50	-0.39	0.11	1.065	0.854	0.708	0.610			
17-18	0.56	0.93	0.55	0.94	0.39	-0.38	0.02	1.033	0.837	0.698	0.602			
18-19	0.55	0.91	0.54	0.92	0.28	-0.36	-0.08	0.989	0.814	0.681	0.589			
19-20	0.55	0.88	0.53	0.90	0.16	-0.34	-0.17	0.921	0.773	0.653	0.566			
20-21	0.55	0.87	0.54	0.87	0.09	-0.31	-0.23	0.828	0.713	0.612	0.535			
21-22	0.55	0.84	0.54	0.85	0.04	-0.29	-0.25	0.751	0.667	0.583	0.513			
22-23	0.54	0.82	0.52	0.82	0.0	-0.28	-0.28	0.462	0.420	0.372	0.330			
23-24	0.53	0.80	0.51	0.81	0.0	-0.27	-0.27	0.456	0.425	0.385	0.346			
TOTAL	13.06	20.98	12.80	20.96	7.34	-7.92	-0.58							

DEC. 24		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.23	0.13	0.15	9.99	0.25	0.20	0.15	9.99	0.23	0.13	0.20	0.10	
1-2	0.31	0.20	0.20	9.99	0.33	0.27	0.20	9.99	0.29	0.16	0.25	0.12	
2-3	0.46	0.32	0.29	9.99	0.48	0.37	0.27	9.99	0.42	0.24	0.36	0.17	
3-4	0.71	0.51	0.43	9.99	0.69	0.52	0.38	9.99	0.68	0.37	0.54	0.25	
4-5	1.02	0.75	0.60	9.99	0.94	0.70	0.51	9.99	1.01	0.53	0.77	0.34	
5-6	1.38	1.03	0.81	9.99	1.22	0.89	0.64	9.99	1.37	0.72	1.04	0.45	
6-7	1.77	1.32	1.04	9.99	1.50	1.08	0.77	9.99	1.81	0.93	1.32	0.56	
7-8	2.14	1.59	1.26	9.99	1.77	1.25	0.89	9.99	2.17	1.13	1.60	0.67	
8-9	2.46	1.85	1.44	9.99	1.99	1.39	0.99	9.99	2.52	1.30	1.85	0.77	
9-10	2.75	2.05	1.59	9.99	2.18	1.50	1.07	9.99	2.81	1.43	9.99	9.99	
10-11	2.94	2.20	1.71	9.99	2.31	1.58	1.13	9.99	2.98	1.51	9.99	9.99	
11-12	3.04	2.28	1.77	9.99	2.36	1.59	1.16	9.99	3.07	1.56	9.99	9.99	
12-13	3.05	2.28	1.78	1.57	2.36	1.59	1.17	0.93	3.07	1.56	9.99	9.99	
13-14	2.95	2.21	1.72	1.51	2.27	1.53	1.12	0.88	2.96	1.50	9.99	9.99	
14-15	2.75	2.08	1.61	1.41	2.12	1.42	1.05	0.82	2.75	1.40	9.99	9.99	
15-16	2.47	1.88	1.46	1.28	1.91	1.29	0.95	0.75	2.46	1.26	9.99	9.99	
16-17	2.15	1.62	1.27	1.12	1.66	1.13	0.83	0.67	2.14	1.09	9.99	9.99	
17-18	1.78	1.34	1.04	0.93	1.39	0.95	0.70	0.57	1.76	0.90	9.99	9.99	
18-19	1.13	0.84	0.65	0.57	0.92	0.63	0.46	0.37	1.13	0.56	9.99	9.99	
19-20	0.87	0.65	0.50	0.44	0.72	0.50	0.36	0.30	0.85	0.42	9.99	9.99	
20-21	0.51	0.37	0.29	0.26	0.45	0.31	0.22	0.19	0.51	0.26	9.99	9.99	
21-22	0.46	0.31	0.27	0.25	0.43	0.32	0.23	0.22	0.49	0.25	9.99	9.99	
22-23	0.29	0.18	0.17	0.16	0.30	0.22	0.16	0.15	0.32	0.15	9.99	9.99	
23-24	0.21	0.11	0.12	0.11	0.25	0.19	0.14	0.14	0.24	0.12	9.99	9.99	
TOTAL	37.84	28.08	22.19	99.99	30.78	21.41	15.58	99.99	38.04	19.47	99.99	99.99	

DEC. 24		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRECT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
	DOWNWARD	UPWARD	DOWNWARD	UPWARD								
0-1	0.53	0.79	0.51	0.79	0.0	-0.26	-0.26	0.572	0.532	0.482	0.432	
1-2	0.53	0.78	0.51	0.78	0.0	-0.26	-0.26	0.661	0.605	0.540	0.481	
2-3	0.53	0.79	0.50	0.79	0.0	-0.26	-0.26	0.749	0.667	0.584	0.514	
3-4	0.52	0.80	0.50	0.79	0.02	-0.28	-0.26	0.841	0.726	0.623	0.545	
4-5	0.52	0.80	0.51	0.80	0.08	-0.28	-0.20	0.919	0.773	0.655	0.569	
5-6	0.53	0.82	0.51	0.81	0.16	-0.29	-0.13	0.979	0.807	0.677	0.586	
6-7	0.51	0.83	0.50	0.81	0.27	-0.31	-0.05	1.026	0.833	0.694	0.599	
7-8	0.53	0.84	0.51	0.83	0.37	-0.32	0.05	1.060	0.851	0.706	0.607	
8-9	0.52	0.86	0.50	0.85	0.47	-0.34	0.13	1.084	0.863	0.714	0.615	
9-10	0.51	0.89	0.51	0.89	0.57	-0.38	0.19	1.100	0.871	0.721	0.616	
10-11	0.52	0.91	0.52	0.90	0.63	-0.39	0.24	1.107	0.875	0.722	0.617	
11-12	0.53	0.93	0.52	0.91	0.69	-0.39	0.29	1.113	0.876	0.723	0.618	
12-13	0.54	0.94	0.54	0.93	0.69	-0.39	0.30	1.113	0.876	0.722	0.618	
13-14	0.54	0.94	0.54	0.93	0.67	-0.39	0.28	1.107	0.871	0.717	0.619	
14-15	0.53	0.92	0.55	0.94	0.63	-0.39	0.24	1.094	0.857	0.714	0.613	
15-16	0.55	0.92	0.55	0.95	0.57	-0.37	0.20	1.081	0.858	0.710	0.610	
16-17	0.57	0.93	0.56	0.95	0.50	-0.36	0.14	1.059	0.848	0.701	0.603	
17-18	0.59	0.93	0.58	0.93	0.39	-0.34	0.06	0.932	0.750	0.622	0.530	
18-19	0.73	0.92	0.72	0.92	0.21	-0.19	0.02	0.178	0.150	0.113	0.097	
19-20	0.73	0.91	0.72	0.92	0.14	-0.18	-0.04	0.168	0.143	0.129	0.100	
20-21	0.66	0.88	0.64	0.89	0.06	-0.23	-0.17	0.304	0.260	0.223	0.198	
21-22	0.57	0.85	0.56	0.86	0.03	-0.28	-0.24	0.741	0.656	0.572	0.502	
22-23	0.57	0.82	0.55	0.84	0.0	-0.26	-0.26	0.653	0.595	0.529	0.470	
23-24	0.56	0.81	0.55	0.82	0.0	-0.25	-0.25	0.593	0.550	0.496	0.443	
TOTAL	13.41	20.80	13.14	20.85	7.16	-7.39	-0.23					

SHORTWAVE RADIATION (MJ/M**2)													
DEC. 25													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.20	0.12	0.13	0.11	0.24	0.18	0.14	0.13	0.21	0.11	9.99	9.99	
1- 2	0.14	0.09	0.07	0.05	0.13	0.07	0.05	0.04	0.15	0.06	9.99	9.99	
2- 3	0.24	0.17	0.12	0.09	0.20	0.12	0.09	0.07	0.25	0.10	9.99	9.99	
3- 4	0.35	0.24	0.17	0.14	0.30	0.18	0.13	0.10	0.36	0.15	9.99	9.99	
4- 5	0.52	0.35	0.24	0.19	0.45	0.28	0.19	0.14	0.54	0.20	9.99	9.99	
5- 6	0.94	0.66	0.48	0.40	0.80	0.52	0.36	0.29	0.96	0.40	9.99	9.99	
6- 7	1.79	1.33	1.04	0.93	1.54	1.09	0.78	0.65	1.84	0.93	9.99	9.99	
7- 8	2.10	1.56	1.22	1.08	1.76	1.23	0.88	0.72	2.14	1.09	9.99	9.99	
8- 9	2.43	1.80	1.39	1.23	1.98	1.37	0.97	0.79	2.48	1.26	9.99	9.99	
9-10	2.70	2.01	1.55	1.37	2.17	1.48	1.06	0.86	2.76	1.38	9.99	9.99	
10-11	2.90	2.15	1.66	1.47	2.30	1.56	1.12	0.90	2.93	1.46	9.99	9.99	
11-12	3.01	2.24	1.72	1.52	2.36	1.58	1.15	0.91	3.03	1.51	9.99	9.99	
12-13	3.02	2.25	1.73	1.51	2.35	1.57	1.14	0.90	3.03	1.52	9.99	9.99	
13-14	2.86	2.13	1.64	1.42	2.24	1.49	1.08	0.85	2.89	1.43	9.99	9.99	
14-15	2.58	1.92	1.46	1.27	2.04	1.35	0.98	0.76	2.59	1.26	9.99	9.99	
15-16	2.45	1.83	1.39	1.22	1.95	1.30	0.95	0.75	2.46	1.20	9.99	9.99	
16-17	2.28	1.71	1.31	1.15	1.81	1.22	0.89	0.71	2.28	1.12	9.99	9.99	
17-18	1.56	1.15	0.88	0.78	1.26	0.85	0.62	0.49	1.57	0.76	9.99	9.99	
18-19	1.08	0.80	0.61	0.53	0.88	0.59	0.43	0.34	1.03	0.49	9.99	9.99	
19-20	0.76	0.55	0.42	0.36	0.64	0.43	0.31	0.26	0.73	0.33	9.99	9.99	
20-21	0.52	0.38	0.28	0.23	0.45	0.29	0.21	0.16	0.52	0.23	9.99	9.99	
21-22	0.21	0.14	0.09	0.07	0.19	0.10	0.07	0.05	0.22	0.08	9.99	9.99	
22-23	0.15	0.10	0.07	0.05	0.13	0.07	0.05	0.04	0.16	0.05	9.99	9.99	
23-24	0.11	0.07	0.04	0.03	0.10	0.05	0.03	0.02	0.12	0.04	9.99	9.99	
TOTAL	34.90	25.76	19.71	17.20	28.27	18.98	13.69	10.95	35.26	17.17	99.99	99.99	

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)													
DEC. 25													
HOUR	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.57	0.80	0.54	0.82	0.0	-0.24	-0.24	0.532	0.491	0.443	0.395		
1- 2	0.64	0.81	0.64	0.82	0.01	-0.17	-0.16	0.007	0.006	0.004	0.003		
2- 3	0.80	0.86	0.79	0.86	0.03	-0.06	-0.03	0.0	0.0	0.0	0.0		
3- 4	0.82	0.87	0.81	0.87	0.05	-0.05	-0.00	0.0	0.0	0.0	0.0		
4- 5	0.83	0.87	0.82	0.87	0.07	-0.05	0.02	0.0	0.0	0.0	0.0		
5- 6	0.82	0.88	0.82	0.88	0.14	-0.06	0.08	0.011	0.008	0.006	0.005		
6- 7	0.59	0.89	0.58	0.89	0.26	-0.30	-0.04	0.962	0.775	0.645	0.552		
7- 8	0.58	0.89	0.57	0.89	0.35	-0.31	0.03	1.040	0.830	0.686	0.589		
8- 9	0.59	0.91	0.57	0.91	0.44	-0.32	0.13	1.065	0.844	0.694	0.595		
9-10	0.58	0.92	0.58	0.93	0.53	-0.34	0.19	1.083	0.853	0.702	0.597		
10-11	0.60	0.94	0.59	0.96	0.59	-0.34	0.25	1.089	0.856	0.702	0.603		
11-12	0.59	0.95	0.61	0.98	0.64	-0.36	0.28	1.098	0.858	0.704	0.605		
12-13	0.60	0.97	0.61	1.00	0.66	-0.37	0.30	1.098	0.859	0.705	0.600		
13-14	0.63	0.98	0.64	1.01	0.62	-0.35	0.28	0.949	0.742	0.608	0.518		
14-15	0.69	0.99	0.69	1.01	0.55	-0.30	0.25	0.658	0.514	0.419	0.357		
15-16	0.71	1.00	0.71	1.01	0.50	-0.28	0.22	0.689	0.544	0.447	0.381		
16-17	0.73	1.00	0.72	1.01	0.48	-0.27	0.21	0.712	0.565	0.464	0.395		
17-18	0.73	0.99	0.72	0.99	0.30	-0.26	0.04	0.548	0.433	0.355	0.304		
18-19	0.76	0.97	0.75	0.97	0.19	-0.21	-0.01	0.247	0.199	0.161	0.140		
19-20	0.78	0.95	0.77	0.95	0.12	-0.17	-0.06	0.138	0.113	0.093	0.077		
20-21	0.89	0.95	0.89	0.97	0.08	-0.06	0.02	0.017	0.013	0.011	0.010		
21-22	0.91	0.94	0.91	0.96	0.03	-0.04	-0.01	0.0	0.0	0.0	0.0		
22-23	0.92	0.95	0.91	0.96	0.02	-0.03	-0.01	0.0	0.0	0.0	0.0		
23-24	0.91	0.94	0.90	0.95	0.01	-0.03	-0.03	0.0	0.0	0.0	0.0		
TOTAL	17.26	22.22	17.13	22.46	6.67	-4.96	1.71						



SHORTWAVE RADIATION (MJ/M**2)													
DEC. 26	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
HOUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0- 1	0.13	0.10	0.07	0.05	0.12	0.07	0.05	0.04	0.15	0.06	9.99	9.99	
1- 2	0.15	0.11	0.08	0.06	0.14	0.08	0.06	0.05	0.17	0.07	9.99	9.99	
2- 3	0.31	0.22	0.18	0.15	0.29	0.20	0.15	0.13	0.31	0.15	9.99	9.99	
3- 4	0.45	0.33	0.25	0.21	0.41	0.28	0.20	0.17	0.46	0.21	9.99	9.99	
4- 5	0.65	0.46	0.35	0.31	0.60	0.41	0.29	0.24	0.66	0.31	9.99	9.99	
5- 6	1.05	0.78	0.59	0.51	0.93	0.64	0.46	0.38	1.07	0.51	9.99	9.99	
6- 7	1.14	0.81	0.59	0.50	0.98	0.65	0.46	0.37	1.17	0.51	9.99	9.99	
7- 8	1.75	1.28	0.97	0.84	1.50	1.03	0.73	0.60	1.79	0.85	9.99	9.99	
8- 9	1.97	1.43	1.06	0.92	1.67	1.13	0.79	0.65	2.02	0.93	9.99	9.99	
9-10	2.39	1.74	1.29	1.12	2.01	1.36	0.96	0.78	2.45	1.13	9.99	9.99	
10-11	2.68	1.96	1.47	1.29	2.24	1.51	1.08	0.87	2.74	1.29	9.99	9.99	
11-12	2.92	2.16	1.64	1.43	2.39	1.61	1.17	0.93	2.96	1.43	9.99	9.99	
12-13	2.88	2.12	1.61	1.40	2.36	1.58	1.15	0.91	2.92	1.41	9.99	9.99	
13-14	2.87	2.13	1.64	1.42	2.32	1.55	1.14	0.90	2.90	1.43	9.99	9.99	
14-15	2.55	1.89	1.44	1.24	2.07	1.38	1.01	0.79	2.57	1.24	9.99	9.99	
15-16	2.18	1.61	1.22	1.05	1.77	1.18	0.86	0.68	2.15	1.02	9.99	9.99	
16-17	2.16	1.60	1.23	1.08	1.76	1.19	0.88	0.71	2.15	1.06	9.99	9.99	
17-18	1.27	0.91	0.67	0.57	1.08	0.71	0.50	0.40	1.29	0.57	9.99	9.99	
18-19	0.78	0.54	0.40	0.33	0.67	0.43	0.30	0.24	0.80	0.34	9.99	9.99	
19-20	0.73	0.53	0.41	0.35	0.64	0.43	0.31	0.26	0.71	0.32	9.99	9.99	
20-21	0.46	0.32	0.26	0.22	0.42	0.28	0.20	0.17	0.43	0.22	9.99	9.99	
21-22	0.29	0.20	0.16	0.14	0.28	0.18	0.13	0.12	0.30	0.14	9.99	9.99	
22-23	0.17	0.10	0.10	0.08	0.19	0.12	0.09	0.08	0.18	0.08	9.99	9.99	
23-24	0.14	0.08	0.08	0.06	0.16	0.11	0.08	0.07	0.16	0.07	9.99	9.99	
TOTAL	32.08	23.42	17.74	15.36	27.02	18.11	13.06	10.53	32.52	15.36	99.99	99.99	

LONGWAVE RADIATION (MJ/M**2)      NET RADIATION (MJ/M**2)      DIRECT RADIATION (KW/M**2)													
DEC. 26	(SURFACE)		(30M)		(SURFACE)			(BLANK)					
HOUR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0- 1	0.89	0.94	0.89	0.94	0.01	-0.05	-0.04	0.0	0.0	0.0	0.0		
1- 2	0.77	0.90	0.77	0.91	0.01	-0.13	-0.12	0.002	0.002	0.001	0.001		
2- 3	0.73	0.89	0.73	0.90	0.02	-0.16	-0.14	0.099	0.087	0.075	0.063		
3- 4	0.77	0.90	0.76	0.91	0.04	-0.13	-0.09	0.105	0.088	0.074	0.063		
4- 5	0.73	0.90	0.72	0.91	0.05	-0.17	-0.12	0.246	0.206	0.172	0.147		
5- 6	0.77	0.92	0.76	0.92	0.12	-0.15	-0.03	0.239	0.192	0.159	0.132		
6- 7	0.86	0.93	0.85	0.93	0.15	-0.08	0.08	0.047	0.037	0.029	0.024		
7- 8	0.77	0.95	0.76	0.96	0.25	-0.18	0.07	0.338	0.267	0.220	0.187		
8- 9	0.80	0.97	0.79	0.97	0.30	-0.17	0.13	0.256	0.199	0.159	0.137		
9-10	0.82	0.98	0.82	1.00	0.38	-0.17	0.21	0.322	0.252	0.207	0.177		
10-11	0.78	1.00	0.77	1.02	0.44	-0.23	0.21	0.506	0.392	0.317	0.267		
11-12	0.75	1.02	0.75	1.04	0.53	-0.27	0.26	0.686	0.535	0.437	0.373		
12-13	0.77	1.04	0.76	1.05	0.53	-0.27	0.26	0.650	0.507	0.413	0.352		
13-14	0.71	1.03	0.71	1.05	0.55	-0.33	0.23	0.847	0.664	0.543	0.462		
14-15	0.74	1.04	0.74	1.05	0.48	-0.29	0.19	0.602	0.462	0.376	0.326		
15-16	0.80	1.04	0.79	1.04	0.41	-0.24	0.17	0.392	0.326	0.265	0.234		
16-17	0.76	1.04	0.75	1.04	0.40	-0.27	0.13	0.708	0.561	0.458	0.397		
17-18	0.91	1.03	0.90	1.02	0.20	-0.12	0.07	0.002	0.001	0.001	0.000		
18-19	0.86	1.00	0.85	1.00	0.11	-0.14	-0.03	0.027	0.022	0.018	0.015		
19-20	0.78	0.97	0.77	0.98	0.09	-0.18	-0.09	0.141	0.116	0.097	0.083		
20-21	0.75	0.93	0.73	0.95	0.04	-0.19	-0.15	0.142	0.121	0.102	0.088		
21-22	0.71	0.91	0.70	0.92	0.01	-0.20	-0.19	0.147	0.130	0.111	0.097		
22-23	0.65	0.88	0.64	0.89	0.0	-0.23	-0.23	0.223	0.201	0.178	0.156		
23-24	0.65	0.86	0.64	0.88	0.0	-0.21	-0.21	0.214	0.197	0.176	0.157		
TOTAL	18.52	23.06	18.36	23.29	5.11	-4.54	0.56						

SHORTWAVE RADIATION (MJ/M**2)												
DEC. 27												
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.14	0.09	0.09	0.07	0.16	0.10	0.08	0.07	0.15	0.07	9.99	9.99
1- 2	0.12	0.07	0.06	0.04	0.14	0.08	0.06	0.05	0.13	0.05	9.99	9.99
2- 3	0.44	0.30	0.28	0.24	0.48	0.38	0.27	0.25	0.41	0.23	9.99	9.99
3- 4	0.69	0.49	0.41	0.37	0.69	0.53	0.39	0.34	0.67	0.36	9.99	9.99
4- 5	1.01	0.73	0.59	0.53	0.95	0.71	0.52	0.45	0.99	0.51	9.99	9.99
5- 6	1.35	1.00	0.79	0.70	1.23	0.91	0.65	0.56	1.34	0.69	9.99	9.99
6- 7	1.69	1.25	0.99	0.87	1.48	1.07	0.77	0.65	1.73	0.88	9.99	9.99
7- 8	2.01	1.49	1.17	1.03	1.71	1.21	0.87	0.72	2.05	1.05	9.99	9.99
8- 9	2.42	1.80	1.40	1.23	2.01	1.41	1.01	0.83	2.48	1.26	9.99	9.99
9-10	2.69	2.00	1.54	1.36	2.19	1.51	1.09	0.89	2.75	1.38	9.99	9.99
10-11	2.89	2.14	1.63	1.46	2.33	1.60	1.16	0.93	2.93	1.45	9.99	9.99
11-12	2.94	2.19	1.68	1.47	2.35	1.59	1.17	0.93	2.98	1.47	9.99	9.99
12-13	3.02	2.25	1.73	1.51	2.41	1.61	1.19	0.94	3.05	1.51	9.99	9.99
13-14	2.90	2.04	1.56	1.36	2.21	1.47	1.08	0.85	2.75	1.34	9.99	9.99
14-15	2.60	1.94	1.48	1.28	2.09	1.39	1.03	0.80	2.62	1.28	9.99	9.99
15-16	2.36	1.78	1.36	1.18	1.91	1.27	0.95	0.74	2.37	1.17	9.99	9.99
16-17	2.03	1.51	1.16	1.02	1.65	1.11	0.83	0.65	2.03	0.99	9.99	9.99
17-18	1.64	1.22	0.94	0.83	1.35	0.92	0.69	0.55	1.66	0.82	9.99	9.99
18-19	1.14	0.85	0.65	0.58	0.96	0.65	0.49	0.39	1.15	0.57	9.99	9.99
19-20	0.80	0.58	0.46	0.41	0.71	0.50	0.37	0.30	0.79	0.35	9.99	9.99
20-21	0.51	0.37	0.29	0.26	0.46	0.32	0.24	0.20	0.45	0.25	9.99	9.99
21-22	0.31	0.22	0.17	0.14	0.27	0.17	0.13	0.10	0.31	0.14	9.99	9.99
22-23	0.18	0.13	0.10	0.07	0.16	0.10	0.07	0.06	0.19	0.08	9.99	9.99
23-24	0.11	0.08	0.06	0.04	0.11	0.06	0.05	0.03	0.13	0.06	9.99	9.99
TOTAL	35.99	26.55	20.58	18.08	30.02	20.65	15.14	12.29	36.11	17.96	99.99	99.99

LONGWAVE RADIATION (MJ/M**2)												
DEC. 27												
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)				
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0- 1	0.67	0.85	0.67	0.87	0.0	-0.18	-0.18	0.106	0.098	0.087	0.075	
1- 2	0.63	0.85	0.62	0.86	0.0	-0.22	-0.22	0.069	0.064	0.057	0.050	
2- 3	0.62	0.85	0.59	0.84	0.0	-0.23	-0.23	0.719	0.639	0.557	0.489	
3- 4	0.60	0.86	0.58	0.86	0.0	-0.26	-0.26	0.816	0.704	0.602	0.524	
4- 5	0.58	0.86	0.57	0.86	0.05	-0.28	-0.23	0.897	0.753	0.636	0.550	
5- 6	0.58	0.87	0.57	0.87	0.12	-0.29	-0.17	0.948	0.779	0.651	0.561	
6- 7	0.59	0.88	0.56	0.87	0.20	-0.29	-0.09	0.933	0.753	0.626	0.538	
7- 8	0.60	0.90	0.57	0.89	0.29	-0.29	0.00	0.896	0.716	0.591	0.507	
8- 9	0.61	0.92	0.59	0.91	0.41	-0.31	0.11	0.937	0.743	0.612	0.524	
9-10	0.60	0.94	0.59	0.94	0.50	-0.34	0.16	1.003	0.793	0.652	0.558	
10-11	0.60	0.96	0.60	0.97	0.56	-0.37	0.19	1.001	0.783	0.640	0.550	
11-12	0.62	0.97	0.63	0.99	0.59	-0.35	0.24	0.924	0.724	0.593	0.507	
12-13	0.64	0.99	0.64	1.00	0.61	-0.35	0.26	0.926	0.725	0.594	0.507	
13-14	0.67	1.01	0.67	1.02	0.69	-0.34	0.35	0.787	0.616	0.503	0.429	
14-15	0.69	1.00	0.70	1.02	0.51	-0.30	0.21	0.629	0.493	0.404	0.344	
15-16	0.69	1.00	0.69	1.02	0.45	-0.31	0.14	0.692	0.546	0.448	0.383	
16-17	0.72	1.00	0.71	1.02	0.38	-0.28	0.10	0.634	0.504	0.414	0.354	
17-18	0.67	0.98	0.66	0.99	0.30	-0.31	-0.01	0.716	0.575	0.474	0.405	
18-19	0.68	0.95	0.66	0.97	0.18	-0.27	-0.10	0.492	0.400	0.332	0.284	
19-20	0.65	0.91	0.64	0.95	0.09	-0.27	-0.18	0.506	0.420	0.351	0.302	
20-21	0.67	0.89	0.67	0.91	0.04	-0.22	-0.17	0.243	0.206	0.174	0.149	
21-22	0.77	0.89	0.77	0.91	0.04	-0.12	-0.08	0.011	0.009	0.007	0.006	
22-23	0.75	0.88	0.75	0.89	0.02	-0.13	-0.11	0.0	0.0	0.0	0.0	
23-24	0.68	0.87	0.68	0.88	0.00	-0.18	-0.18	0.0	0.0	0.0	0.0	
TOTAL	15.59	22.07	15.37	22.29	6.04	-6.48	-0.44					

DEC. 28		SHORTWAVE RADIATION (MJ/M**2)											
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.13	0.09	0.07	0.06	0.13	0.08	0.06	0.05	0.14	0.06	9.99	9.99	
1-2	0.20	0.14	0.11	0.09	0.19	0.13	0.09	0.08	0.20	0.10	9.99	9.99	
2-3	0.32	0.23	0.20	0.17	0.34	0.25	0.18	0.16	0.31	0.16	9.99	9.99	
3-4	0.70	0.51	0.42	0.38	0.68	0.53	0.38	0.34	0.68	0.36	9.99	9.99	
4-5	0.92	0.68	0.54	0.48	0.86	0.65	0.46	0.40	0.91	0.47	9.99	9.99	
5-6	1.17	0.86	0.68	0.50	1.06	0.77	0.55	0.47	1.16	0.60	9.99	9.99	
6-7	1.77	1.32	1.03	0.91	1.52	1.10	0.78	0.66	1.81	0.92	9.99	9.99	
7-8	2.08	1.55	1.21	1.07	1.73	1.22	0.88	0.73	2.11	1.08	9.99	9.99	
8-9	2.43	1.83	1.41	1.23	2.00	1.39	1.00	0.82	2.52	1.28	9.99	9.99	
9-10	2.74	2.05	1.59	1.41	2.20	1.52	1.11	0.90	2.80	1.42	9.99	9.99	
10-11	2.94	2.20	1.70	1.51	2.33	1.59	1.17	0.93	2.98	1.51	9.99	9.99	
11-12	3.04	2.28	1.77	1.56	2.40	1.63	1.20	0.95	3.07	1.56	9.99	9.99	
12-13	3.05	2.30	1.78	1.56	2.40	1.60	1.20	0.94	3.08	1.56	9.99	9.99	
13-14	2.96	2.22	1.73	1.50	2.31	1.54	1.16	0.90	2.98	1.51	9.99	9.99	
14-15	2.76	2.09	1.62	1.41	2.16	1.44	1.09	0.85	2.77	1.41	9.99	9.99	
15-16	2.49	1.89	1.46	1.28	1.96	1.32	1.00	0.77	2.47	1.27	9.99	9.99	
16-17	2.16	1.63	1.27	1.12	1.72	1.16	0.88	0.70	2.15	1.10	9.99	9.99	
17-18	1.78	1.34	1.04	0.93	1.43	0.98	0.74	0.60	1.79	0.92	9.99	9.99	
18-19	1.38	1.04	0.82	0.73	1.14	0.79	0.60	0.49	1.41	0.74	9.99	9.99	
19-20	1.00	0.73	0.59	0.53	0.87	0.62	0.46	0.39	0.90	0.40	9.99	9.99	
20-21	0.69	0.50	0.42	0.38	0.63	0.47	0.34	0.31	0.60	0.39	9.99	9.99	
21-22	0.46	0.31	0.27	0.25	0.45	0.34	0.25	0.23	0.49	0.25	9.99	9.99	
22-23	0.28	0.18	0.17	0.15	0.31	0.24	0.18	0.17	0.32	0.15	9.99	9.99	
23-24	0.21	0.11	0.13	0.11	0.25	0.21	0.15	0.14	0.24	0.13	9.99	9.99	
TOTAL	37.66	28.08	22.03	19.43	31.08	21.58	15.92	12.97	37.89	19.34	99.99	99.99	

DEC. 28		LONGWAVE RADIATION (MJ/M**2)				NET RADIATION (MJ/M**2)			DIRFCT RADIATION (KW/M**2)			
HOUR	(SURFACE)		(30M)		SHORTWAVE	(SURFACE)		TOTAL	(BLANK)	(530)	(630)	(695)
	DOWNWARD	UPWARD	DOWNWARD	UPWARD		LONGWAVE						
0-1	0.65	0.85	0.64	0.86	0.00	-0.20	-0.20	0.017	0.015	0.013	0.011	
1-2	0.63	0.84	0.63	0.85	0.00	-0.20	-0.20	0.057	0.051	0.045	0.038	
2-3	0.60	0.83	0.58	0.83	0.0	-0.23	-0.23	0.313	0.278	0.243	0.214	
3-4	0.61	0.85	0.56	0.85	0.02	-0.24	-0.22	0.658	0.568	0.488	0.426	
4-5	0.59	0.85	0.57	0.85	0.05	-0.26	-0.20	0.681	0.571	0.480	0.414	
5-6	0.58	0.85	0.56	0.86	0.11	-0.28	-0.16	0.687	0.564	0.476	0.411	
6-7	0.59	0.88	0.57	0.87	0.25	-0.29	-0.04	0.886	0.723	0.602	0.517	
7-8	0.60	0.89	0.59	0.89	0.35	-0.28	0.07	0.771	0.619	0.513	0.434	
8-9	0.59	0.90	0.57	0.91	0.44	-0.32	0.12	0.851	0.668	0.559	0.476	
9-10	0.54	0.92	0.55	0.93	0.54	-0.37	0.17	1.095	0.866	0.715	0.614	
10-11	0.54	0.93	0.54	0.96	0.61	-0.39	0.21	1.113	0.878	0.725	0.619	
11-12	0.55	0.94	0.55	0.98	0.64	-0.39	0.25	1.117	0.879	0.726	0.620	
12-13	0.56	0.96	0.56	0.99	0.66	-0.39	0.27	1.119	0.880	0.726	0.621	
13-14	0.55	0.97	0.56	0.99	0.64	-0.42	0.23	1.114	0.878	0.722	0.622	
14-15	0.56	0.98	0.57	0.99	0.60	-0.42	0.18	1.105	0.873	0.720	0.618	
15-16	0.57	0.98	0.56	0.99	0.52	-0.41	0.11	1.089	0.865	0.714	0.615	
16-17	0.59	0.96	0.57	0.98	0.45	-0.38	0.07	1.066	0.852	0.705	0.606	
17-18	0.58	0.95	0.58	0.97	0.35	-0.38	-0.03	1.033	0.836	0.695	0.598	
18-19	0.58	0.93	0.55	0.95	0.24	-0.35	-0.11	0.990	0.812	0.679	0.586	
19-20	0.57	0.89	0.55	0.92	0.13	-0.32	-0.19	0.924	0.773	0.653	0.566	
20-21	0.57	0.87	0.56	0.90	0.06	-0.30	-0.24	0.833	0.716	0.614	0.534	
21-22	0.56	0.83	0.55	0.88	0.01	-0.27	-0.25	0.750	0.665	0.580	0.511	
22-23	0.55	0.82	0.55	0.85	0.0	-0.28	-0.28	0.662	0.604	0.538	0.478	
23-24	0.55	0.81	0.54	0.83	0.0	-0.26	-0.26	0.602	0.560	0.508	0.455	
TOTAL	13.85	21.46	13.63	21.87	6.67	-7.61	-0.94					

SHORTWAVE RADIATION (MJ/M**2)												
DEC. 29	GLOBAL(SURFACE)				REFLECTED(SURFACE)				GLOBAL(30M)		REFLECTED(30M)	
HOURL	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.20	0.11	0.13	0.11	0.25	0.20	0.15	0.15	0.22	0.11	9.99	9.99
1- 2	0.25	0.16	0.16	0.13	0.30	0.24	0.17	0.17	0.23	0.13	9.99	9.99
2- 3	0.46	0.31	0.28	0.25	0.47	0.38	0.27	0.26	0.41	0.23	9.99	9.99
3- 4	0.67	0.47	0.39	0.35	0.65	0.51	0.36	0.33	0.63	0.34	9.99	9.99
4- 5	1.01	0.73	0.59	0.52	0.93	0.71	0.51	0.44	0.98	0.51	9.99	9.99
5- 6	1.35	1.00	0.79	0.70	1.21	0.89	0.64	0.55	1.34	0.69	9.99	9.99
6- 7	1.73	1.29	1.01	0.90	1.49	1.08	0.77	0.65	1.76	0.90	9.99	9.99
7- 8	2.10	1.56	1.23	1.08	1.76	1.25	0.90	0.74	2.14	1.10	9.99	9.99
8- 9	2.46	1.83	1.42	1.25	2.00	1.40	1.00	0.83	2.51	1.29	9.99	9.99
9-10	2.71	2.03	1.56	1.39	2.18	1.50	1.09	0.88	2.78	1.40	9.99	9.99
10-11	2.71	2.01	1.54	1.36	2.15	1.46	1.06	0.84	2.70	1.32	9.99	9.99
11-12	3.10	2.31	1.77	1.56	2.42	1.64	1.21	0.95	3.11	1.56	9.99	9.99
12-13	3.03	2.27	1.75	1.53	2.36	1.58	1.17	0.91	3.04	1.53	9.99	9.99
13-14	2.83	2.10	1.59	1.38	2.25	1.50	1.10	0.86	2.86	1.38	9.99	9.99
14-15	2.36	1.74	1.31	1.13	1.90	1.25	0.92	0.72	2.35	1.12	9.99	9.99
15-16	2.30	1.74	1.32	1.15	1.86	1.25	0.92	0.72	2.37	1.17	9.99	9.99
16-17	1.83	1.35	1.02	0.88	1.51	1.01	0.73	0.58	1.86	0.89	9.99	9.99
17-18	1.44	1.05	0.78	0.67	1.20	0.81	0.58	0.46	1.45	0.67	9.99	9.99
18-19	1.12	0.83	0.63	0.55	0.95	0.65	0.47	0.38	1.13	0.54	9.99	9.99
19-20	0.92	0.70	0.55	0.49	0.80	0.57	0.42	0.35	0.88	0.43	9.99	9.99
20-21	0.35	0.24	0.18	0.15	0.31	0.19	0.14	0.11	0.35	0.15	9.99	9.99
21-22	0.20	0.13	0.10	0.07	0.18	0.10	0.07	0.06	0.20	0.08	9.99	9.99
22-23	0.17	0.12	0.09	0.07	0.15	0.09	0.07	0.05	0.18	0.07	9.99	9.99
23-24	0.10	0.07	0.05	0.03	0.10	0.04	0.04	0.03	0.11	0.04	9.99	9.99
TOTAL	35.43	26.14	20.26	17.71	29.38	20.28	14.75	12.03	35.61	17.67	99.99	99.99

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
DEC. 29	(SURFACE)		(30M)		(SURFACE)			(BLANK)				
HOURL	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0- 1	0.53	0.79	0.52	0.82	0.0	-0.26	-0.26	0.559	0.520	0.473	0.424	
1- 2	0.53	0.78	0.52	0.80	0.0	-0.25	-0.25	0.569	0.521	0.467	0.416	
2- 3	0.56	0.79	0.52	0.80	0.0	-0.23	-0.23	0.736	0.655	0.574	0.506	
3- 4	0.55	0.81	0.53	0.80	0.02	-0.26	-0.24	0.782	0.675	0.579	0.507	
4- 5	0.56	0.82	0.53	0.82	0.08	-0.26	-0.19	0.899	0.756	0.640	0.556	
5- 6	0.55	0.83	0.53	0.83	0.15	-0.29	-0.14	0.969	0.798	0.668	0.577	
6- 7	0.56	0.85	0.53	0.85	0.24	-0.29	-0.04	1.015	0.822	0.685	0.589	
7- 8	0.56	0.86	0.54	0.87	0.35	-0.30	0.05	1.050	0.841	0.697	0.598	
8- 9	0.56	0.88	0.55	0.90	0.46	-0.31	0.15	1.060	0.843	0.698	0.599	
9-10	0.55	0.90	0.56	0.93	0.54	-0.35	0.19	1.058	0.835	0.688	0.592	
10-11	0.58	0.92	0.58	0.94	0.56	-0.34	0.22	0.769	0.588	0.466	0.396	
11-12	0.60	0.95	0.61	0.96	0.68	-0.35	0.33	0.869	0.682	0.561	0.482	
12-13	0.58	0.95	0.59	0.97	0.67	-0.37	0.30	1.008	0.793	0.649	0.556	
13-14	0.69	0.97	0.69	0.98	0.58	-0.28	0.30	0.580	0.454	0.373	0.316	
14-15	0.70	0.97	0.70	0.98	0.46	-0.27	0.19	0.447	0.346	0.288	0.247	
15-16	0.69	0.97	0.68	0.98	0.44	-0.28	0.16	0.523	0.411	0.321	0.280	
16-17	0.73	0.96	0.73	0.97	0.33	-0.23	0.10	0.328	0.263	0.215	0.183	
17-18	0.79	0.95	0.79	0.96	0.23	-0.16	0.08	0.146	0.115	0.097	0.082	
18-19	0.74	0.94	0.73	0.94	0.17	-0.19	-0.02	0.240	0.196	0.162	0.137	
19-20	0.65	0.90	0.63	0.92	0.12	-0.26	-0.14	0.468	0.388	0.322	0.274	
20-21	0.76	0.88	0.75	0.90	0.04	-0.13	-0.08	0.012	0.009	0.007	0.005	
21-22	0.73	0.87	0.73	0.87	0.02	-0.14	-0.12	0.0	0.0	0.000	0.0	
22-23	0.71	0.85	0.71	0.86	0.02	-0.14	-0.12	0.0	0.0	0.0	0.0	
23-24	0.81	0.86	0.82	0.86	0.01	-0.05	-0.04	0.0	0.0	0.0	0.0	
TOTAL	15.27	21.24	15.07	21.52	6.16	-5.97	0.19					

SHORTWAVE RADIATION (MJ/M**2)													
DEC. 30													
HOUR	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)		
	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)	
0-1	0.10	0.06	0.04	0.03	0.09	0.05	0.03	0.03	0.11	0.03	9.99	9.99	
1-2	0.13	0.09	0.06	0.04	0.12	0.06	0.05	0.03	0.14	0.06	9.99	9.99	
2-3	0.22	0.15	0.11	0.08	0.19	0.11	0.08	0.07	0.23	0.09	9.99	9.99	
3-4	0.39	0.27	0.20	0.16	0.33	0.21	0.15	0.12	0.40	0.17	9.99	9.99	
4-5	0.65	0.47	0.35	0.30	0.55	0.37	0.26	0.21	0.67	0.31	9.99	9.99	
5-6	1.17	0.87	0.67	0.60	1.05	0.75	0.54	0.45	1.17	0.59	9.99	9.99	
6-7	1.44	1.06	0.80	0.69	1.20	0.83	0.59	0.48	1.46	0.70	9.99	9.99	
7-8	1.87	1.38	1.06	0.93	1.59	1.11	0.79	0.65	1.90	0.94	9.99	9.99	
8-9	1.94	1.39	1.00	0.86	1.63	1.09	0.75	0.60	1.98	0.86	9.99	9.99	
9-10	2.14	1.52	1.09	0.92	1.80	1.19	0.82	0.65	2.18	0.93	9.99	9.99	
10-11	2.31	1.63	1.15	0.97	1.96	1.28	0.88	0.69	2.35	0.97	9.99	9.99	
11-12	2.34	1.64	1.15	0.97	2.00	1.30	0.88	0.69	2.38	0.97	9.99	9.99	
12-13	2.45	1.73	1.22	1.03	2.08	1.36	0.93	0.73	2.49	1.04	9.99	9.99	
13-14	2.27	1.58	1.11	0.93	1.93	1.25	0.86	0.67	2.30	0.94	9.99	9.99	
14-15	2.04	1.42	1.00	0.84	1.74	1.12	0.77	0.60	2.07	0.84	9.99	9.99	
15-16	1.74	1.21	0.84	0.70	1.50	0.96	0.65	0.51	1.77	0.70	9.99	9.99	
16-17	1.42	0.98	0.68	0.56	1.22	0.78	0.53	0.41	1.44	0.57	9.99	9.99	
17-18	1.14	0.79	0.55	0.45	0.98	0.63	0.42	0.33	1.16	0.46	9.99	9.99	
18-19	0.85	0.59	0.42	0.35	0.73	0.47	0.33	0.26	0.87	0.35	9.99	9.99	
19-20	0.61	0.43	0.30	0.25	0.53	0.34	0.24	0.19	0.63	0.25	9.99	9.99	
20-21	0.40	0.28	0.19	0.14	0.36	0.22	0.15	0.12	0.42	0.15	9.99	9.99	
21-22	0.23	0.15	0.11	0.08	0.20	0.12	0.08	0.06	0.24	0.09	9.99	9.99	
22-23	0.09	0.05	0.03	0.01	0.09	0.04	0.02	0.01	0.11	0.02	9.99	9.99	
23-24	0.08	0.04	0.03	0.01	0.08	0.03	0.02	0.01	0.09	0.02	9.99	9.99	
TOTAL	28.02	19.79	14.16	11.90	23.94	15.65	10.82	8.56	28.54	12.07	99.99	99.99	

LONGWAVE RADIATION (MJ/M**2)													
DEC. 30													
HOUR	(SURFACE)		(30M)		(SURFACE)			DIRECT RADIATION (KW/M**2)					
	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)		
0-1	0.84	0.87	0.84	0.86	0.01	-0.03	-0.03	0.0	0.0	0.0	0.0		
1-2	0.84	0.88	0.84	0.87	0.01	-0.03	-0.02	0.0	0.0	0.0	0.0		
2-3	0.84	0.88	0.84	0.87	0.02	-0.04	-0.01	0.0	0.0	0.0	0.0		
3-4	0.83	0.88	0.83	0.87	0.05	-0.05	0.00	0.0	0.0	0.0	0.0		
4-5	0.78	0.88	0.78	0.88	0.10	-0.10	0.00	0.0	0.0	0.0	0.0		
5-6	0.64	0.88	0.62	0.88	0.13	-0.24	-0.11	0.506	0.406	0.344	0.295		
6-7	0.73	0.89	0.72	0.89	0.23	-0.16	0.08	0.206	0.170	0.145	0.123		
7-8	0.67	0.91	0.66	0.92	0.29	-0.24	0.05	0.531	0.415	0.332	0.280		
8-9	0.82	0.92	0.81	0.94	0.31	-0.10	0.21	0.000	0.000	0.000	0.0		
9-10	0.82	0.93	0.82	0.95	0.34	-0.11	0.23	0.007	0.004	0.002	0.002		
10-11	0.83	0.94	0.83	0.95	0.35	-0.10	0.25	0.000	0.000	0.0	0.0		
11-12	0.84	0.94	0.84	0.96	0.35	-0.10	0.24	0.000	0.000	0.0	0.0		
12-13	0.84	0.96	0.83	0.98	0.38	-0.12	0.26	0.001	0.000	0.000	0.0		
13-14	0.85	0.96	0.84	0.97	0.33	-0.11	0.22	0.0	0.0	0.0	0.0		
14-15	0.85	0.97	0.84	0.97	0.30	-0.12	0.17	0.000	0.000	0.0	0.0		
15-16	0.85	0.97	0.85	0.97	0.24	-0.12	0.13	0.0	0.0	0.0	0.0		
16-17	0.85	0.96	0.85	0.96	0.20	-0.11	0.08	0.0	0.0	0.0	0.0		
17-18	0.85	0.95	0.85	0.95	0.16	-0.10	0.06	0.0	0.0	0.0	0.0		
18-19	0.88	0.96	0.88	0.96	0.12	-0.08	0.04	0.0	0.0	0.0	0.0		
19-20	0.85	0.92	0.85	0.92	0.09	-0.07	0.01	0.0	0.0	0.0	0.0		
20-21	0.85	0.91	0.86	0.91	0.05	-0.06	-0.01	0.0	0.0	0.0	0.0		
21-22	0.86	0.91	0.86	0.92	0.03	-0.05	-0.03	0.0	0.0	0.0	0.0		
22-23	0.85	0.89	0.85	0.91	0.00	-0.04	-0.04	0.0	0.0	0.0	0.0		
23-24	0.84	0.89	0.85	0.90	0.0	-0.04	-0.04	0.0	0.0	0.0	0.0		
TOTAL	19.72	22.04	19.63	22.20	4.08	-2.32	1.76						

SHORTWAVE RADIATION (MJ/M**2)												
DEC. 31	GLOBAL (SURFACE)				REFLECTED (SURFACE)				GLOBAL (30M)		REFLECTED (30M)	
HOUR	(305)	(530)	(630)	(695)	(305)	(530)	(630)	(695)	(305)	(695)	(305)	(695)
0- 1	0.08	0.05	0.03	0.01	0.08	0.03	0.03	0.02	0.10	0.03	9.99	9.99
1- 2	0.12	0.08	0.05	0.03	0.11	0.05	0.04	0.03	0.13	0.04	9.99	9.99
2- 3	0.21	0.14	0.10	0.08	0.18	0.11	0.08	0.06	0.22	0.09	9.99	9.99
3- 4	0.36	0.26	0.19	0.16	0.32	0.20	0.14	0.11	0.38	0.17	9.99	9.99
4- 5	0.57	0.40	0.30	0.25	0.49	0.32	0.23	0.18	0.59	0.26	9.99	9.99
5- 6	0.85	0.61	0.45	0.38	0.73	0.48	0.34	0.28	0.88	0.39	9.99	9.99
6- 7	1.16	0.83	0.61	0.52	0.99	0.66	0.47	0.37	1.19	0.53	9.99	9.99
7- 8	1.58	1.14	0.84	0.71	1.33	0.90	0.63	0.51	1.61	0.72	9.99	9.99
8- 9	1.88	1.35	0.98	0.84	1.59	1.06	0.74	0.59	1.92	0.84	9.99	9.99
9-10	2.27	1.64	1.19	1.02	1.90	1.27	0.89	0.71	2.32	1.03	9.99	9.99
10-11	2.45	1.77	1.29	1.11	2.04	1.37	0.96	0.76	2.50	1.11	9.99	9.99
11-12	2.68	1.95	1.43	1.23	2.21	1.48	1.05	0.83	2.73	1.23	9.99	9.99
12-13	2.55	1.84	1.34	1.15	2.12	1.40	0.99	0.78	2.59	1.15	9.99	9.99
13-14	2.36	1.69	1.22	1.04	1.97	1.30	0.91	0.72	2.40	1.04	9.99	9.99
14-15	1.93	1.31	0.89	0.73	1.69	1.08	0.72	0.55	1.96	0.74	9.99	9.99
15-16	1.75	1.22	0.86	0.72	1.50	0.97	0.67	0.52	1.78	0.72	9.99	9.99
16-17	1.47	1.04	0.74	0.62	1.24	0.81	0.56	0.44	1.49	0.63	9.99	9.99
17-18	1.18	0.83	0.59	0.49	1.00	0.65	0.45	0.36	1.19	0.50	9.99	9.99
18-19	0.88	0.62	0.45	0.38	0.74	0.48	0.34	0.27	0.89	0.39	9.99	9.99
19-20	0.62	0.44	0.32	0.27	0.52	0.34	0.24	0.19	0.63	0.27	9.99	9.99
20-21	0.42	0.30	0.22	0.18	0.35	0.22	0.16	0.13	0.43	0.19	9.99	9.99
21-22	0.27	0.19	0.14	0.11	0.23	0.14	0.11	0.09	0.28	0.12	9.99	9.99
22-23	0.28	0.21	0.17	0.15	0.27	0.20	0.15	0.14	0.29	0.15	9.99	9.99
23-24	0.10	0.07	0.05	0.03	0.10	0.05	0.03	0.03	0.12	0.04	9.99	9.99
TOTAL	28.00	19.94	14.44	12.21	23.71	15.58	10.94	8.67	28.61	12.40	99.99	99.99

LONGWAVE RADIATION (MJ/M**2) : NET RADIATION (MJ/M**2) : DIRECT RADIATION (KW/M**2)												
DEC. 31	(SURFACE)		(30M)		(SURFACE)			(BLANK) (530) (630) (695)				
HOUR	DOWNWARD	UPWARD	DOWNWARD	UPWARD	SHORTWAVE	LONGWAVE	TOTAL	(BLANK)	(530)	(630)	(695)	
0- 1	0.84	0.90	0.84	0.90	0.00	-0.06	-0.06	0.0	0.0	0.0	0.0	
1- 2	0.84	0.90	0.84	0.89	0.01	-0.06	-0.05	0.0	0.0	0.0	0.0	
2- 3	0.83	0.90	0.83	0.89	0.03	-0.07	-0.04	0.0	0.0	0.0	0.0	
3- 4	0.82	0.90	0.81	0.89	0.05	-0.08	-0.03	0.0	0.0	0.0	0.0	
4- 5	0.82	0.90	0.81	0.90	0.08	-0.08	-0.00	0.0	0.0	0.0	0.0	
5- 6	0.81	0.91	0.80	0.90	0.13	-0.10	0.02	0.0	0.0	0.0	0.0	
6- 7	0.81	0.92	0.81	0.91	0.17	-0.11	0.06	0.0	0.0	0.0	0.0	
7- 8	0.79	0.93	0.78	0.93	0.25	-0.14	0.11	0.001	0.000	0.0	0.0	
8- 9	0.80	0.94	0.80	0.96	0.29	-0.13	0.16	0.0	0.0	0.0	0.0	
9-10	0.80	0.94	0.80	0.98	0.37	-0.14	0.23	0.007	0.004	0.001	0.000	
10-11	0.80	0.95	0.79	0.98	0.41	-0.16	0.26	0.007	0.003	0.001	0.000	
11-12	0.79	0.97	0.79	0.98	0.47	-0.18	0.28	0.018	0.011	0.006	0.004	
12-13	0.80	0.97	0.80	0.99	0.43	-0.17	0.27	0.007	0.002	0.000	0.0	
13-14	0.81	0.97	0.81	0.98	0.38	-0.16	0.23	0.003	0.000	0.000	0.0	
14-15	0.84	0.96	0.83	0.97	0.24	-0.13	0.11	0.0	0.0	0.0	0.0	
15-16	0.82	0.94	0.82	0.96	0.25	-0.12	0.13	0.0	0.0	0.0	0.0	
16-17	0.82	0.93	0.81	0.95	0.22	-0.12	0.11	0.0	0.0	0.0	0.0	
17-18	0.82	0.92	0.82	0.94	0.17	-0.11	0.07	0.0	0.0	0.0	0.0	
18-19	0.80	0.91	0.79	0.92	0.13	-0.11	0.02	0.0	0.0	0.0	0.0	
19-20	0.79	0.91	0.79	0.91	0.09	-0.12	-0.03	0.0	0.0	0.0	0.0	
20-21	0.76	0.89	0.76	0.89	0.06	-0.13	-0.07	0.0	0.0	0.0	0.0	
21-22	0.75	0.87	0.74	0.88	0.03	-0.12	-0.08	0.001	0.000	0.0	0.0	
22-23	0.74	0.87	0.74	0.88	0.02	-0.13	-0.11	0.277	0.252	0.225	0.200	
23-24	0.73	0.84	0.72	0.85	0.00	-0.12	-0.11	0.000	0.0	0.0	0.0	
TOTAL	19.21	22.03	19.12	22.22	4.30	-2.83	1.47					