

Seismological Bulletin of Syowa Station, Antarctica
1975

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The present report describes the seismological data of 1975 recorded at Syowa Station. The data of the respective seismic events interpreted from the seismograms of HES and long-period seismographs are listed in chronological order.

The coordinates of seismographic vault are $69^{\circ}00'31.7''S$ in latitude and $39^{\circ}35'31.6''E$ in longitude. The elevation is 20 metres above the mean sea level.

Seismological observations up to January 1975 were carried out by H. Kaneko and T. Shinohara, members of the 15th Japanese Antarctic Research Expedition. For the succeeding period of January 1975 to January 1976, M. Manabe and K. Chujo, members of the 16th expedition, undertook the observations.

The seismograms were read again by Mr. R. Sakai and Miss K. Kokubun of Logistic Section, National Institute of Polar Research.

1. Date
2. Identified phase with its sharpness indication(e or i) and ground motion direction(+: Up, E, N, -: Down, W, S). The phase identified by the vertical component is denoted with Z and the phase by horizontal components is denoted with E (detected by E-W component) or N(detected by N-S component). The data from long-period seismographs are denoted with LP.
3. Arrival time in G. M. T.
4. Period of the phase in seconds.
5. Trace amplitude in millimetres.

The instrumental constants and magnification curve of HES and LP seismographs are shown in Table 1 and Fig. 1. The seismographs were operated with attenuation factor $\mu=1/4$ since March 1, 1970.

The read-out data were sent from Syowa Station to Environmental Research Laboratories throughout the wintering period.

References

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Table 1. Instrumental constants of HES and long-period seismographs.

Component	Z	N-S	E-W
HES			
T_1 (s)	1.0	1.0	1.0
S_1 (A/mm)	2.80×10^{-5}	2.03×10^{-5}	2.03×10^{-5}
R_1 (Ω)	940	920	930
Ω_1 (Ω)	820	1160	920
h_1	1.0	1.0	1.0
T_2 (s)	1.00	1.00	1.10
S_2 (A/mm)	1.30×10^{-9}	1.34×10^{-9}	1.47×10^{-9}
R_2 (Ω)	560	629	560
Ω_2 (Ω)	2031	2045	1233
h_2	1.0	1.0	1.0
LP			
T_1 (s)	20.0	20.0	20.0
S_1 (A/mm)	2380	2840	2830
R_1 (Ω)	3100	2900	3200
Ω_1 (Ω)	48	37	156
h_1	1.0	1.0	1.0
T_2 (s)	20.0	20.0	20.0
S_2 (A/mm)	4.4×10^{-10}	5.0×10^{-10}	4.0×10^{-10}
R_2 (Ω)	370	370	370
Ω_2 (Ω)	1130	1130	1130
h_2	1.0	1.0	1.0

T_1 : Period of the pendulum. T_2 : Period of the galvanometer.
 S_1 : Sensitivity of the transducer. S_2 : Sensitivity of the galvanometer.
 R_1 : Resistance of the pendulum coil. R_2 : Resistance of the galvanometer coil.
 Ω_1 : External damping resistance of the transducer.
 Ω_2 : External damping resistance of the galvanometer.
 h_1 : Damping constant of the pendulum. h_2 : Damping constant of the galvanometer.

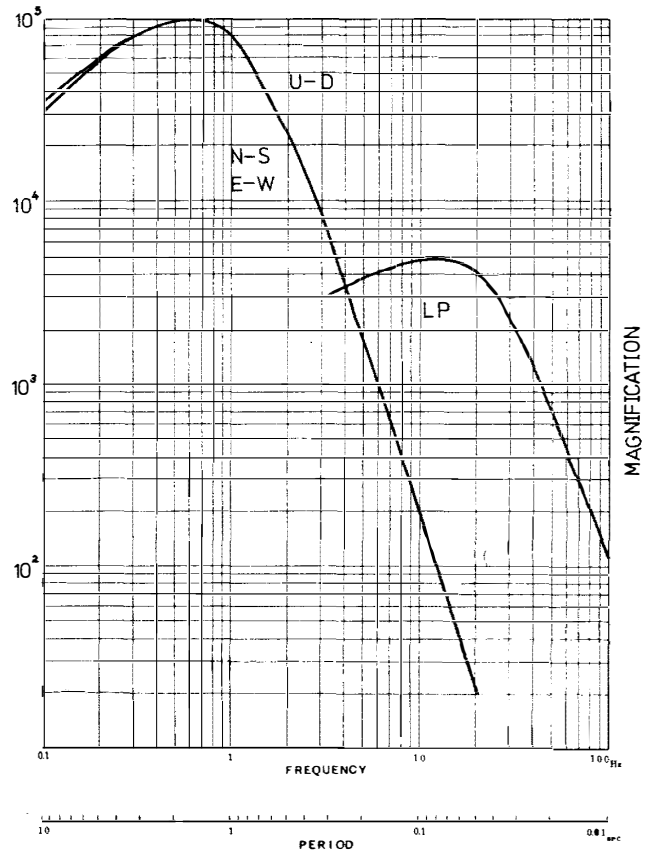


Fig. 1. Magnification curves of HES and long-period seismographs.

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
JAN 01	+IPE	02	31	00.5	0.6	1.5
	IPN	02	31	00.7		
	IPZ	02	31	00.8		
02	+EPE	03	46	38.5	1.6	2.8
	+EPN	03	46	36.8	0.8	1.0
	+EPZ	03	46	38.5	1.6	2.0
	+EPE	19	51	25.3	1.2	2.0
	+EPN	19	51	26.2	1.8	0.6
	+EPZ	19	51	25.6	1.3	4.0
	+IPE	21	45	55.4	1.0	1.6
	+IPN	21	45	55.5	1.2	1.5
	-IPZ	21	45	55.7	1.2	2.0
	03	+IPE	00	42	12.7	0.6
+IPN		00	42	12.5	0.8	0.6
+IPZ		00	42	12.3	0.6	0.8
+EPE		00	51	41.7	1.6	0.4
+EPN		00	51	41.5	1.3	0.8
+EPZ		00	51	42.7	1.2	0.3
+EPE		03	34	24.2	1.0	0.8
+EPN		03	34	24.7	0.6	0.5
+EPZ		03	34	25.2	0.5	0.2
-EPE		05	16	40.7	1.7	3.7
+EPN		05	16	41.0	0.5	0.4
-EPZ		05	16	41.2	1.0	0.5
+EPE		05	21	53.7	1.8	3.2
+EPN		05	21	54.0	2.1	5.5
+EPZ		05	21	53.7	2.0	0.6
LP-EPE		05	21	52.5	11.3	2.5
LP+EPN		05	21	53.4	11.1	4.0
+IPE		05	27	07.2	1.5	1.0
+EPN		05	27	07.2	2.0	3.5
+EPZ		05	27	07.4	1.0	0.5
+EPE	05	34	59.7	1.0	1.0	
+EPN	05	34	59.7	1.0	0.5	
+EPZ	05	34	59.7	0.8	0.2	
+EPE	05	50	38.7	1.6	1.2	
+EPN	05	50	39.7	0.5	0.4	
-EPZ	05	50	38.7	1.2	1.0	
+ESE	05	55	50.4	1.4	2.0	
+ISN	05	55	50.9	2.0	2.5	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
JAN 03	+ESZ	05	55	51.7	2.0	0.5
	+EPE	20	05	08.8	1.0	1.5
04	-EPN	20	05	08.8	1.2	1.6
	+EPZ	20	05	09.0	1.0	1.0
	-EPE	00	40	22.6	1.0	1.0
	-EPN	00	40	23.1	1.0	0.5
	-EPZ	00	40	22.5	1.0	1.2
	-EPE	02	13	20.8	1.5	1.5
	+IPN	02	13	20.5	1.1	1.0
	-IPZ	02	13	20.8	1.3	1.5
	-IPE	04	54	00.3	1.0	3.0
	+EPN	04	54	01.5	0.4	0.5
05	-EPZ	04	54	00.1	1.0	3.0
	-EPE	11	59	40.4	0.7	2.0
	-EPN	11	59	40.8	1.0	1.0
	-EPZ	11	59	41.8	1.0	0.3
	+IPE	20	47	52.8	1.2	1.2
	+IPN	20	47	52.9	1.2	1.5
	+IPZ	20	47	52.8	1.5	2.0
	-EPE	13	46	26.0	1.2	1.1
	+EPN	13	46	26.1	1.0	1.0
	+EPZ	13	46	25.6	1.1	1.5
06	+EPN	01	06	31.3	0.8	0.5
	+EPZ	01	06	33.3	1.4	1.0
	+EPE	03	40	17.0	0.4	0.5
	-EPN	03	40	17.5	1.0	0.7
	+EPZ	03	40	17.5	0.9	0.5
	-EPE	05	55	44.6	1.0	1.0
	+EPN	05	55	45.5	0.9	0.5
	EPZ	05	55	46.6		
	+EPE	09	09	56.9	1.0	2.0
	-EPN	09	09	57.4	1.0	0.7
07	-EPZ	09	09	56.4	1.0	0.5
	-EPE	11	42	01.6	0.8	0.6
	-EPN	11	42	00.4	0.6	0.5
	EPZ	11	42	01.6		
	-EPE	07	14	19.7	1.1	1.2
	+EPN	07	14	19.9	0.6	0.5
	+EPZ	07	14	19.2	1.5	0.6
	-ESE	07	17	33.2	0.7	1.0

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
JAN 07	-ESN	07	17	33.5	0.8	0.5	
	-ESZ	07	17	33.7	1.0	0.5	
	EPE	07	58	31.2			
	-EPN	07	58	31.2	0.5	0.5	
	-EPZ	07	58	32.2	1.1	0.5	
	-EPE	08	29	27.2	0.5	0.6	
	+EPN	08	29	27.3	0.7	0.5	
	+EPZ	08	29	26.8	0.2	0.3	
	-EPE	09	04	51.7	1.0	0.7	
	+EPN	09	04	51.4	0.6	0.4	
	EPZ	09	04	52.7			
	-EPE	09	26	03.8	0.6	0.6	
	+EPN	09	26	04.2	0.7	0.5	
	EPZ	09	26	04.7			
	08	+ESE	02	20	48.1	2.7	7.5
		+ESN	02	20	47.2	2.0	1.4
		ESZ	02	20	49.1		
		-IPE	02	10	42.1	1.5	5.5
		-IPN	02	10	42.1	0.8	0.7
		-IPZ	02	10	42.1	1.5	5.5
		-EPE	04	33	20.5	0.9	1.0
		+EPN	04	33	20.6	0.5	0.6
		EPZ	04	33	21.6		
		-EPE	07	41	46.0	1.1	1.0
		-EPN	07	41	46.5	0.7	0.5
		+EPZ	07	41	47.0	0.4	0.5
		-EPE	07	53	43.0	0.7	1.1
-EPN		07	53	43.4	0.6	0.5	
-EPZ		07	53	43.7	0.8	0.5	
+EPE		08	18	43.0	1.0	1.1	
+EPN		08	18	43.0	0.7	0.5	
+EPZ		08	18	43.5	0.5	0.3	
+EPE		09	06	27.9	0.7	1.2	
+EPN		09	06	28.0	0.8	0.3	
EPZ		09	06	28.5			
+EPE		10	10	49.1	1.0	1.0	
+EPN		10	10	49.6	0.8	0.5	
+EPZ		10	10	50.0	0.8	0.5	
JUN 08-12		NO RECORD					
JAN 12		-IPE	17	58	59.0	2.0	4.0

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
JAN 12	+IPN	17	58	59.0	2.0	3.0	
	IPZ	17	58	58.7			
	LP EPZ	17	58	59.0			
	13	LP+ESE	18	08	33.8	9.4	4.0
		-IPE	01	00	47.1	1.2	1.2
		+IPN	01	00	47.5	1.0	2.0
		IPZ	01	00	47.5		
		+EPE	09	24	40.0	0.8	1.5
		+EPN	09	24	41.0	0.9	1.0
		-EPZ	09	24	42.0	0.4	0.5
		-EPE	09	39	13.4	1.0	1.0
		+EPN	09	39	13.0	0.7	0.5
		+EPZ	09	39	13.5	1.0	0.6
		+EPE	10	36	17.2	1.0	1.2
		+EPN	10	36	17.6	0.7	0.8
		EPZ	10	36	18.0		
		LP+ESZ	10	48	39.4	18.8	2.0
		-EPE	11	00	33.0	1.0	1.5
		-EPN	11	00	33.5	0.7	0.7
		+EPZ	11	00	34.0	0.7	0.3
		+EPE	11	23	20.0	0.6	1.0
		+EPN	11	23	20.4	0.7	0.5
		EPZ	11	23	22.0		
		-EPE	11	41	01.0	1.0	1.0
		+EPN	11	41	01.5	0.8	0.6
		+EPZ	11	41	01.8	0.8	0.5
		+EPE	23	31	04.7	1.0	3.5
-EPN		23	31	04.8	1.2	1.1	
EPZ		23	31	04.8			
14		+EPE	00	36	34.0	1.2	0.7
	+EPN	00	36	34.0	1.1	0.5	
	+EPZ	00	36	34.8	1.1	0.6	
	-EPE	01	02	28.0	1.2	1.1	
	-EPN	01	02	27.3	1.2	0.5	
	+EPZ	01	02	28.3	0.7	0.5	
	-IPE	09	54	58.2	1.1	3.5	
	+IPN	09	54	58.0	1.0	2.0	
	+IPZ	09	54	58.0	1.1	3.0	
	-EPN	10	48	04.3	0.5	0.5	
	+EPZ	10	48	05.0	0.5	0.5	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S					H	M	S		
JAN 14	-EPE	10	48	04.0	0.6	0.5	JAN 15	-IPE	20	41	28.9	1.1	3.5
	-EPE	11	17	41.8	0.7	1.0		+EPN	20	41	30.5	0.9	0.5
	+EPN	11	17	42.0	1.0	0.6	16	-IPZ	20	41	28.8	1.2	4.0
	+EPZ	11	17	42.5	0.5	0.3		-EPE	04	40	29.0	1.3	1.1
	-EPE	11	39	51.7	0.6	1.0		+EPN	04	40	29.9	1.0	1.3
	-EPN	11	39	51.5	0.7	0.7		+EPZ	04	40	29.0	1.0	0.8
	+EPZ	11	39	52.0	0.6	0.2		-EPE	10	54	13.3	0.5	0.8
	-EPE	11	49	00.0	0.6	0.7		+EPN	10	54	14.0	0.8	0.7
	+EPN	11	49	00.1	1.0	1.3		+EPZ	10	54	14.1	0.8	0.5
	+EPZ	11	49	00.1	1.0	0.7		-EPE	11	04	41.7	0.8	0.8
	-EPE	19	49	57.8	1.3	3.8		-EPN	11	04	42.7	0.7	0.8
	-EPN	19	49	58.0	0.8	0.6		+EPZ	11	04	41.8	1.0	0.3
	+EPZ	19	49	57.0	1.2	1.0		-EPE	11	17	07.4	0.6	1.0
	LP-EPZ	19	49	56.3	7.5	1.0		+EPN	11	17	08.0	0.8	1.0
	LP-ESE	20	00	17.5				+EPZ	11	17	08.5	0.2	0.2
	LP+ESZ	20	00	16.9	7.5	1.0		+EPE	11	33	05.0	1.0	1.4
	+IPE	20	01	36.0	1.0	2.0		+EPN	11	33	05.3	0.6	0.6
	+EPN	20	01	38.0	1.3	1.3		-EPZ	11	33	06.0	0.8	0.5
	IPZ	20	01	36.5			+EPE	13	11	43.5	1.2	1.0	
	+ISE	20	11	28.1	1.0	1.9	-EPN	13	11	42.8	1.3	1.7	
	-ISM	20	11	30.0	0.8	0.5	+EPZ	13	11	42.5	1.5	2.0	
	+ISZ	20	11	28.0	1.2	2.1	LP+LRZ	13	32	31.9	17.8	4.0	
	LP+EPE	20	01	37.5	9.4	5.0	LP-EPZ	22	02	53.5	18.5	2.0	
	LP+EPZ	20	01	39.4	15.0	12.5	17	-IPE	09	43	25.2	1.8	5.5
	LP-ESE	20	11	31.9	14.1	23.0		+IPN	09	43	25.0	1.7	3.0
	LP+ESZ	20	11	31.9	16.9	13.5		-IPZ	09	43	25.2	2.0	9.0
15	-EXE	08	49	55.5	1.4	1.6		LP-EPE	09	43	25.0		
	+EPN	08	49	47.0	1.0	0.8		LP-IPZ	09	43	24.4	9.4	5.5
	-EXZ	08	49	57.0	1.8	0.8		LP+ISZ	09	56	15.0	12.2	6.0
	EPE	10	34	58.4	1.0	1.0		-EPE	10	38	39.0	1.1	1.4
	EPN	10	34	59.0	0.7	0.9		+EPN	10	38	39.7	0.8	1.0
	EPZ	10	34	59.1				+EPZ	10	38	40.0	0.5	0.5
	-EPN	11	52	33.5	1.8	1.1		-ESE	10	40	47.6	1.8	2.6
	+EPZ	11	52	33.8	1.1	0.6		-ESZ	10	40	47.4	2.0	3.1
	EPE	12	33	54.0				-EPE	11	00	05.0	1.0	1.4
	-EPN	12	33	56.0	1.0	1.0		-EPN	11	00	05.3	0.6	0.5
	EPZ	12	33	55.0				+EPZ	11	00	06.0	0.4	0.4
	+EPE	17	18	15.2	0.7	0.5		-EPE	11	28	07.2	0.8	1.5
	+EPN	17	18	14.0	0.6	0.5		+EPN	11	28	08.0	0.6	0.9
	-EPZ	17	18	14.3	0.5	0.2	+EPZ	11	28	08.2	0.5	0.5	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S					H	M	S		
JAN 17	-EPE	12	06	44.0	0.6	0.8	JAN 19	+EPN	08	16	15.0	0.8	0.5
	-EPN	12	06	44.1	0.6	0.5		+EPZ	08	16	15.0	1.2	0.6
18	+EPZ	12	06	45.0	0.4	0.5	+EXE	08	20	21.0	0.8	0.5	
	+EPE	12	20	39.5	0.7	0.6	+EXN	08	20	21.0	1.1	0.6	
	+EPN	12	20	39.5	0.7	0.5	+EXZ	08	20	23.0	1.0	0.2	
	-EPZ	12	20	41.0	0.6	0.5	+EXE	08	26	47.0	1.1	0.5	
	+EPE	13	26	00.0	0.8	1.0	+EXN	08	26	46.0	1.0	0.6	
	+EPN	13	26	00.0	0.7	0.6	+EXZ	08	26	47.0	2.0	0.8	
	-EPZ	13	26	00.0	0.8	0.5	-EPE	11	26	51.0	0.7	0.8	
	-EPE	13	38	09.0	0.9	2.0	-EPN	11	26	50.9	0.5	0.5	
	+EPN	13	38	09.3	0.5	1.0	+EPZ	11	26	51.6	0.5	0.5	
	-EPZ	13	38	09.1	1.0	1.4	+EPE	11	48	25.0	1.2	2.0	
	+EPE	06	51	01.1	1.0	1.2	+EPN	11	48	25.5	0.7	0.8	
	+EPN	06	51	01.0	0.6	0.6	-EPZ	11	48	25.5	0.6	0.5	
	-EPZ	06	51	02.0	0.5	0.4	-EPE	12	34	01.0	1.0	1.1	
	ESE	06	53	14.5			+EPN	12	34	02.0	0.7	0.9	
	ESN	06	53	12.5			+EPZ	12	34	02.0	0.3	0.3	
	ESZ	06	53	14.2			-EPE	23	51	14.2	1.7	3.5	
	+EPE	09	04	03.6	0.8	0.6	-EPN	23	51	14.2	0.2	0.8	
	-EPN	09	04	03.4	1.1	1.0	+EPZ	23	51	13.0	0.6	0.5	
	+EPZ	09	04	03.3	1.0	1.0	-EPE	03	52	13.8	0.6	0.6	
	-EPE	11	29	39.0	1.0	1.0	+EPN	03	52	14.2	0.6	0.5	
+EPN	11	29	39.0	0.6	0.3	+EPZ	03	52	14.5	1.0	0.6		
-EPZ	11	29	39.0	1.0	0.6	-EPE	06	39	27.0	0.6	0.5		
+EPE	14	30	32.3	1.0	1.5	-EPN	06	39	27.8	0.9	0.6		
+EPN	14	30	31.8	1.1	0.6	-EPZ	06	39	27.8	0.8	0.5		
-EPZ	14	30	31.5	1.2	1.1	+EPE	12	29	08.1	1.5	1.5		
-EPE	23	25	01.5	1.0	1.5	+EPN	12	29	09.5	1.0	1.0		
+EPN	23	25	01.0	0.6	0.6	-EPZ	12	29	09.8	1.0	0.5		
+EPZ	23	25	01.5	0.5	0.5	-IPE	13	21	31.0	1.1	2.5		
-EPE	00	27	54.0	1.0	1.5	-EPN	13	21	32.0	0.6	0.5		
+EPN	00	27	54.0	0.7	0.8	-IPZ	13	21	30.8	1.1	2.5		
+EPZ	00	27	56.0	0.5	0.5	+IPE	17	50	13.0	1.2	2.3		
-EPE	00	45	25.0	0.6	0.7	+EPN	17	50	13.2	1.0	1.1		
+EPN	00	45	25.9	0.8	0.6	-IPZ	17	50	12.8	1.1	4.5		
+EPZ	00	45	26.0	0.5	0.5	-EPE	23	04	38.0	0.8	1.0		
-EPE	01	04	47.0	0.8	0.6	+EPN	23	04	38.6	0.8	1.0		
+EPN	01	04	47.8	0.8	1.0	+EPZ	23	04	39.0	0.4	0.3		
+EPZ	01	04	48.0	0.5	0.5	+EPE	01	08	38.0	1.2	1.4		
+EPE	08	16	15.0	0.9	0.5	+EPN	01	08	38.5	1.0	0.5		

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
JAN 21	+EPZ	01	08	40.0	0.9	0.4	
	-EPE	01	49	46.8	0.8	1.0	
	-EPN	01	49	45.0	1.2	1.1	
	+EPZ	01	49	45.0	0.6	0.5	
	+EPE	02	36	43.0	1.0	1.4	
	-EPN	02	36	45.0	0.6	1.4	
	+EPZ	02	36	44.7	1.0	0.5	
	+EPE	07	37	36.8	0.8	2.0	
	-EPN	07	37	37.0	0.9	1.0	
	+EPZ	07	37	38.0	1.3	0.5	
	+EPE	10	09	10.0	0.8	0.7	
	-EPN	10	09	10.0	0.3	0.4	
	+EPZ	10	09	10.5	0.6	1.0	
	+EPE	14	38	23.0	1.0	1.5	
	-EPN	14	38	23.5	1.0	0.6	
	+EPZ	14	38	23.5	1.5	2.0	
	22	+EPE	00	00	09.1	0.9	1.3
		+EPN	00	00	09.3	0.5	1.0
		+EPZ	00	00	09.5	0.7	1.0
		-EPE	03	40	13.0	1.0	1.5
+EPN		03	40	14.0	0.8	1.2	
+EPZ		03	40	13.0	1.0	0.5	
+EPE		06	13	01.0	0.3	0.3	
-EPN		06	13	01.0	0.6	0.6	
+EPZ		06	13	01.0	0.5	0.5	
-EPE		06	57	17.5	0.6	0.6	
24	+EPZ	06	57	19.5	0.6	0.5	
	-EPZ	06	57	19.5	0.7	0.5	
	+IPE	10	57	11.0	1.0	9.8	
	+IPE	10	57	11.0	0.9	5.5	
	-IPZ	10	57	11.0	1.0	10.0	
	+EPE	07	52	34.0	0.8	1.4	
	+EPN	07	52	34.0	0.6	0.6	
	+EPZ	07	52	33.0	0.7	1.0	
	+EPE	08	41	35.0	1.1	1.0	
	+EPN	08	41	34.0	1.1	0.6	
24	+EPZ	08	41	34.7	1.0	0.2	
	-IPE	10	48	29.0	1.4	2.2	
	+IPN	10	48	29.5	0.8	1.5	
	-IPZ	10	48	29.0	1.0	0.7	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
JAN 24	-EPE	19	31	46.5	1.2	1.1
	-EPN	19	31	46.1	0.9	0.8
	-EPZ	19	31	46.8	1.1	1.1
	+IPE	20	30	55.1	1.0	1.5
	+IPN	20	30	55.2	0.8	1.1
	+EPZ	20	30	56.0	1.1	0.5
	EPE	21	43	12.6		
	+EPN	21	43	12.6	0.3	0.6
	EPZ	21	43	13.2		
	25	-EPE	02	27	00.5	1.0
+EPN		02	27	00.3	1.0	0.8
+EPZ		02	27	02.0	1.0	0.8
+EPE		07	20	11.7	0.8	0.2
+EPN		07	20	11.4	0.6	0.5
+EPZ		07	20	12.0	0.6	0.2
+EPE		07	56	53.0	0.6	1.1
+EPN		07	56	53.0	0.5	0.5
+EPZ		07	56	54.0	0.4	0.5
+EPE		09	57	41.0	0.7	0.6
26	+EPN	09	57	42.8	0.8	0.6
	+EPZ	09	57	43.0	0.8	0.5
	+EPE	12	32	20.8	1.0	1.5
	-IPN	12	32	21.4	1.1	1.6
	+IPZ	12	32	21.7	1.2	1.0
	+EPE	23	29	19.0	1.7	2.4
	-EPN	23	29	20.0	1.4	2.0
	+EPZ	23	29	18.5	1.3	0.5
	+EPE	00	02	50.0	1.0	0.8
	-EPN	00	02	50.5	0.8	0.5
26	EPZ	00	02	49.0		
	+EPE	06	09	24.5	1.5	1.7
	-EPN	06	09	23.0	0.7	0.6
	EPE	07	17	37.0		
	-EPN	07	17	35.3	0.6	0.3
	EPZ	07	17	36.2		
	-EPE	08	33	24.0	1.0	1.5
	-EPN	08	33	20.0	0.8	0.4
	-EPZ	08	33	26.0	0.6	0.5
	-EPE	09	27	13.6	0.8	1.0
+EPN	09	27	14.1	0.6	0.5	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
JAN 26	+EPZ	09	27	14.5	0.5	0.3	
	+EPE	10	08	34.0	0.8	1.0	
	+EPN	10	08	34.0	0.8	0.8	
27	+EPZ	10	08	35.7	1.5	0.8	
	+EPE	08	53	41.0	1.0	0.5	
	-EPN	08	53	40.4	0.6	0.5	
	EXE	13	32	58.0			
	EXN	13	32	57.0			
	EXZ	13	32	57.0			
	+EPE	14	29	29.0	1.2	0.7	
	+EPN	14	29	30.5	1.0	0.5	
	-EPZ	14	29	29.0	1.2	1.0	
	+IPE	15	21	54.5	1.0	1.0	
	+EPN	15	21	55.2	0.7	0.4	
	+IPZ	15	21	54.3	1.1	1.5	
	+IPE	18	44	20.0	1.0	1.0	
	+IPN	18	44	20.0	1.0	1.4	
	+IPZ	18	44	19.6	1.0	0.8	
28	+EPE	12	13	39.0	1.8	1.4	
	+EPZ	12	13	37.5	1.2	0.9	
	+EPE	17	47	23.8	0.8	1.5	
	-EPN	17	47	24.0	0.4	0.6	
	-EPZ	17	47	23.7	0.6	0.4	
	29	-EPE	01	10	30.8	0.8	1.0
		-EPN	01	10	31.2	0.3	0.8
		-EPZ	01	10	31.5	0.4	0.5
		-EPE	08	30	19.0	1.3	3.0
+IPN		08	30	22.0	1.0	1.5	
+IPZ		08	30	22.4	1.0	0.9	
+EPE		15	45	52.0	0.7	1.3	
+EPN		15	45	51.0	1.0	1.0	
+EPZ		15	45	51.6	1.0	1.1	
-EPE		22	17	35.2	0.6	0.5	
30	EPN	22	17	35.0			
	+EPZ	22	17	35.1	0.6	0.6	
	-EPE	01	11	32.0	1.4	1.2	
	-EPN	01	11	32.8	1.2	1.2	
	-EPZ	01	11	32.5	1.1	0.5	
	-EPE	04	55	15.2	0.5	0.5	
	+EPN	04	55	15.1	0.5	1.5	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
JAN 30	EPZ	04	55	15.5			
	-EPE	09	31	00.0	1.0	1.2	
	+EPN	09	31	00.9	0.7	1.0	
	+EPZ	09	31	01.0	0.9	0.3	
	-EPE	13	16	57.0	0.5	1.0	
	+EPN	13	16	57.0	0.5	0.7	
	-EPZ	13	16	56.8	0.8	0.5	
	+EPE	13	47	29.8	0.8	1.8	
	+EPN	13	47	30.7	0.5	1.5	
	+EPZ	13	47	29.8	0.8	0.7	
	EPE	15	04	38.3			
	+EPN	15	04	38.2	0.8	1.1	
	EPZ	15	04	39.1			
	31	+EPE	04	42	56.9	0.4	0.5
		+EPN	04	42	56.7	0.5	0.5
+EPZ		04	42	57.0	0.4	0.2	
30-31 EXTREME MICROSEISMIC ACTIVITY							
FEB 02	+EPE	06	07	56.1	0.4	0.5	
	+EPN	06	07	55.2	0.9	0.5	
	+EPZ	06	07	56.2	1.0	0.5	
	-IPE	07	44	49.3	1.6	2.0	
	+IPN	07	44	50.6	1.2	1.6	
	-EXZ	07	44	49.2	1.8	2.0	
	+IPE	09	03	40.6	1.0	0.7	
	-EPN	09	03	40.1	0.6	0.5	
	-EPZ	09	03	40.1	0.6	2.0	
	LP-EP1Z	09	04	04.7	9.4	6.0	
	LP+EPPE	09	09	14.0	11.3	4.5	
	LP+EPZ	09	09	14.5	11.8	19.0	
	+EPE	13	38	25.0	1.0	1.5	
	+EPN	13	38	23.0	1.0	0.6	
	+EPZ	13	38	26.8	0.8	0.3	
02-03 EXTREME MICROSEISMIC ACTIVITY							
03	-EPE	19	24	54.0	1.0	2.5	
	-EPN	19	24	54.0	0.6	1.9	
	-EPZ	19	24	54.0	0.6	1.0	
	04	+EPE	11	55	10.0	1.5	2.2
		+EPN	11	55	10.5	1.1	4.5
		+EPZ	11	55	10.0	1.1	1.7
		LP+SKSZ	12	06	54.4	12.2	13.0

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
FEB 05	-IPE	06	53	57.0	2.2	12.0	
	+IPN	06	53	57.5	1.3	5.0	
	+IPZ	06	53	57.0	2.0	6.0	
	-ESE	06	56	46.0	0.7	1.0	
	+ESN	06	56	45.1	1.2	2.3	
	-ESZ	06	56	46.0	1.0	3.0	
	-IPE	07	00	15.9	1.0	2.3	
	+EPN	07	00	15.8	1.0	3.0	
	-IPZ	07	00	16.0	1.0	2.6	
	+IPE	17	58	52.0	1.0	1.8	
	+EPN	17	58	53.0	1.2	1.1	
	+IPZ	17	58	52.0	1.0	2.5	
	+IPE	23	48	40.0	0.8	1.0	
	+EPN	23	48	41.0	0.8	0.5	
	+EPZ	23	48	41.0	0.8	0.3	
	-ESE	23	49	35.5	1.0	1.0	
	+ESN	23	49	35.7	0.6	0.6	
	-ESZ	23	49	36.0	1.2	0.7	
	06	+EPE	02	47	56.5	0.8	1.0
		+EPN	02	47	56.5	0.8	0.7
+EPZ		02	47	55.6	0.8	0.4	
+EPE		04	22	58.2	0.8	1.0	
+EPN		04	22	58.0	0.5	1.0	
+EPZ		04	22	58.0	0.8	0.5	
+EPE		05	58	51.0	0.9	1.2	
+EPN		05	58	51.0	0.4	0.4	
-EPZ		05	58	54.6	0.8	0.4	
-IPE		07	31	36.0	1.5	4.0	
+IPN		07	31	39.0	1.0	2.7	
-IPZ		07	31	38.7	1.1	0.7	
+EPE		11	49	27.5	1.2	1.0	
-EPN		11	49	27.5	1.3	1.5	
+EPZ		11	49	26.5	1.2	1.0	
07		LP+EPZ	05	04	45.0	7.5	6.0
		LP+IXE	05	15	11.3	11.3	9.5
		LP+ISE	05	15	37.5	11.3	24.0
	LP-ISZ	05	15	35.6	13.1	9.5	
09	+IPE	00	11	23.0	1.1	9.0	
	+IPN	00	11	23.1	1.0	4.0	
	+IPZ	00	11	23.1	1.4	3.5	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
FEB 09	-IPE	07	50	20.4	1.0	2.0
	+IPN	07	50	20.6	1.0	2.5
10	-IPZ	07	50	20.5	1.0	2.0
	+IPE	08	49	25.5	1.1	2.9
	+IPN	08	49	27.2	1.0	0.5
	+EPZ	08	49	27.1	0.9	1.0
	-IPE	15	16	13.3	0.6	1.5
	+EPN	15	16	11.3	0.7	0.7
11	+EPZ	15	16	12.9	0.5	0.5
	+EPE	11	36	02.3	0.6	0.6
	+IPN	11	36	00.3	0.7	0.9
	-EPZ	11	36	02.3	0.4	0.6
	+IPE	22	07	35.4	1.1	22.0
	-IPZ	22	07	35.9	1.2	26.0
12	+IPN	22	07	35.9	1.0	9.0
	-ESE	22	16	28.4	1.5	3.0
	+ESN	22	16	31.9	1.1	1.2
	-EPE	11	23	09.0	0.6	1.7
	-EPN	11	23	09.5	0.6	0.5
	-EPZ	11	23	09.6	0.6	0.6
	-EPE	11	42	38.0	0.8	0.9
	+EPN	11	42	39.0	0.6	0.5
	-EPZ	11	42	38.8	1.0	0.3
	+EPE	21	41	41.7	1.0	1.0
	+EPN	21	41	42.6	1.0	1.0
	+EPZ	21	41	44.0	0.3	0.2
13	+EPE	22	42	58.0	1.2	1.8
	+EPN	22	42	58.5	0.8	0.8
13-15	-EPZ	22	42	58.2	0.9	0.5
	LP+LRZ	05	14	31.9	16.9	3.0
15	EXTREME MICROSEISMIC ACTIVITY					
	LP+ESN	15	08	48.8	18.8	2.0
16	LP-LRZ	15	12	13.1	16.9	3.5
	+IPE	05	11	32.0	1.3	6.1
17	+IPN	05	11	31.2	1.0	2.0
	-IPZ	05	11	32.8	0.8	4.5
	+LRZ	04	28	46.9	20.6	2.5
	+EPE	05	39	22.5	0.5	0.7
	+EPN	05	39	22.5	1.0	1.0
	+EPZ	05	39	22.8	0.4	0.5

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
FEB 17	-IPE	06	41	10.9	1.6	1.5	
	+IPN	06	41	10.5	1.4	5.0	
	-IPZ	06	41	10.7	1.1	4.0	
	-IPN	12	02	13.5	0.8	3.0	
	+EPE	21	31	11.0	0.8	2.0	
	-EPN	21	31	11.0	0.8	2.0	
	-EPZ	21	31	12.0	1.0	1.5	
	+EPE	21	54	46.5	1.0	1.1	
	-EPN	21	54	46.5	1.0	1.2	
	+EPZ	21	54	45.5	1.0	1.3	
	18	+EPE	23	08	10.5	1.0	0.9
		-EPN	23	08	10.5	1.0	1.1
	19	-EPZ	23	08	10.7	1.0	0.6
		-IPE	09	45	39.0	1.0	1.0
+IPN		09	45	39.0	1.4	1.7	
19-20	+IPZ	09	45	38.5	0.9	1.4	
	EXTREME MICROSEISMIC ACTIVITY						
21	-IPE	00	41	25.5	1.7	2.1	
	+EPN	00	41	25.5	0.6	0.5	
22	+EPZ	00	41	25.8	1.6	1.0	
	-EPE	04	23	03.3	1.0	1.1	
	-EPN	04	23	03.8	0.6	0.6	
	+EPZ	04	23	03.0	1.0	0.2	
	+EPE	04	40	39.2	1.8	3.0	
	-EPN	04	40	40.0	0.7	1.0	
	+EPZ	04	40	41.3	2.0	1.4	
	+EPE	04	48	59.0	1.2	1.7	
	-EPN	04	49	00.3	1.2	1.7	
	-EPZ	04	49	00.3	1.2	1.0	
	-ESE	04	51	44.0	1.0	2.5	
	+ESN	04	51	41.0	1.0	2.6	
	+ISZ	04	51	41.8	1.1	1.8	
	+EXE	04	53	38.0	1.2	13.0	
	+EXN	04	53	38.0	1.1	8.0	
	+EXZ	04	53	40.0	2.0	7.0	
25	-EPE	05	09	32.0	1.0	1.4	
	-EPN	05	09	32.8	1.0	1.5	
	-EPZ	05	09	33.0	1.0	0.5	
	+EPE	05	21	51.8	1.1	2.1	
	+EPN	05	21	51.2	0.6	0.6	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
FEB 22	-EPZ	05	21	51.2	2.0	1.1	
	-IPE	08	55	53.8	3.0	5.6	
	+EPN	08	55	53.8	1.1	1.5	
	+IPZ	08	55	53.0	2.0	3.6	
	-EPE	13	06	47.8	1.0	1.0	
	-EPN	13	06	47.0	1.2	0.6	
	-EPZ	13	06	47.0	1.2	0.5	
	-IPE	22	16	17.4	1.4	12.8	
	+IPN	22	16	17.2	1.6	12.5	
	-IPZ	22	16	17.2	1.6	8.0	
	LP EPPN	22	17	45.9			
	LP-EPPZ	22	17	45.9	8.4	14.0	
	+ESE	22	25	57.8	3.0	76.0	
	+ESN	22	25	58.0	3.0	96.0	
23	+ESZ	22	25	57.7	2.0	8.0	
	LP-LRE	02	55	16.9	22.5	3.0	
	LP+LRN	02	55	18.5	16.6	6.0	
	LP+LRZ	02	55	17.5	23.1	7.0	
	+IPE	04	35	26.0	1.3	9.5	
	+IPN	04	35	26.0	1.2	2.8	
	-IPZ	04	35	26.0	1.3	7.0	
	+EPE	08	32	18.4	1.0	1.2	
	-EPN	08	32	18.5	0.7	0.7	
	+EPZ	08	32	19.9	0.4	0.5	
	24	+EPE	05	09	53.8	1.0	2.0
		-EPN	05	09	52.0	0.8	0.6
		-EPZ	05	09	54.0	0.9	1.0
		-ESE	05	10	02.7	1.1	2.6
-ISN		05	10	03.0	1.7	5.5	
+ISZ		05	10	03.1	1.6	4.5	
+EPE		09	09	47.0	0.8	0.6	
+EPN		09	09	48.3	1.0	0.7	
+EPZ		09	09	49.0	0.8	0.5	
+EPE		18	34	29.2	1.2	1.0	
+EPN		18	34	30.0	0.6	0.6	
+EPZ		18	34	30.8	0.3	0.5	
25		LP+LRZ	06	07	07.5	16.9	3.0
		-EPE	09	43	45.0	0.6	0.5
	+EPN	09	43	46.2	0.7	1.0	
	+EPZ	09	43	49.5	1.0	0.5	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
FEB 25	-IPE	10	36	11.0	1.0	2.5
	+IPN	10	36	11.0	1.0	4.0
26	+IPZ	10	36	11.0	0.8	2.0
	+EPE	09	11	32.0	1.0	0.6
	+EPN	09	11	32.0	0.2	0.6
	+EPZ	09	11	33.0	1.7	0.5
	+LRZ	09	18	00.0	20.6	2.0
	+IPE	09	37	08.8	1.3	2.5
	-EPN	09	37	08.0	1.5	1.0
	+EPZ	09	37	09.1	1.3	2.0
	-ESE	09	39	19.0	1.0	1.5
	+ISN	09	39	18.2	1.0	1.2
	+ISZ	09	39	19.0	1.0	1.0
	+IPE	12	44	25.0	1.0	2.0
	+IPA	12	44	24.0	1.0	0.6
	+IPZ	12	44	25.9	1.5	1.1
	+IPE	20	56	52.0	1.0	1.5
	+IPN	20	56	52.0	1.0	1.0
-IPZ	20	56	52.0	1.1	2.0	
27	+EPE	21	38	06.5	1.2	1.6
	-EPN	21	38	07.3	0.8	0.6
	+EPZ	21	38	07.5	0.6	0.5
	+IPE	05	11	36.5	1.4	2.1
	+IPN	05	11	36.8	1.0	1.6
	+IPZ	05	11	39.0	0.6	0.5
	+EPE	14	36	57.2	1.5	4.5
	-EPN	14	36	57.8	0.7	1.2
	+EPZ	14	36	55.5	0.7	0.7
	LP+LRB	15	13	48.8	22.5	2.5
	LP+LRZ	15	13	50.0	20.6	4.5
	-IPE	18	54	47.7	1.2	4.0
	+IPN	18	54	47.5	1.0	8.0
	-IPZ	18	54	47.7	1.1	8.5
	+ISE	19	04	19.0	1.0	2.0
	+ISN	19	04	19.0	1.2	2.0
28	+ISZ	19	04	19.0	1.3	0.7
	+EPE	04	57	23.0	0.7	0.5
	-EPN	04	57	23.5	0.9	0.9
	-EPZ	04	57	22.0	0.2	0.2
	+IPE	15	34	39.7	1.1	4.8

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
FEB 26	+IPN	15	34	39.4	1.1	4.0	
MAR 01	+IPZ	15	34	39.5	1.2	7.0	
	+EPE	06	02	18.2	1.0	1.0	
	+EPN	06	02	19.0	0.6	0.6	
	+IPZ	06	02	20.0	1.0	1.5	
	07	LP+ESN	07	28	53.4	7.5	4.0
		LP+LRN	07	53	11.3	20.6	6.5
	01	+EPE	15	06	04.2	0.9	0.7
		+EPN	15	06	06.0	1.0	1.0
		+EPE	21	04	02.0	1.0	2.0
		+EPN	21	04	02.4	1.0	1.2
	02	+EPZ	21	04	02.1	0.8	0.2
		-EPE	23	13	51.5	1.0	0.7
		+IPN	23	13	52.0	1.0	2.0
		-IPZ	23	13	52.0	1.6	1.2
	03	+EPE	08	52	28.0	1.0	2.0
		+EPN	08	52	26.3	1.0	1.0
-EPZ		08	52	26.0	0.5	0.4	
-IPE		19	03	40.2	0.9	4.5	
04	+IPN	19	03	40.0	0.7	1.5	
	+IPZ	19	03	40.9	0.8	1.1	
	+IPE	07	08	02.0	2.0	5.9	
	-EPN	07	08	02.5	0.6	1.2	
	+EPZ	07	08	03.0	1.2	0.3	
	-IPE	11	30	26.5	2.0	6.5	
	+IPN	11	30	27.5	0.7	0.6	
	+IPZ	11	30	26.0	1.5	3.0	
	+ESN	11	32	07.5	1.0	2.0	
	+ESZ	11	32	08.0	1.5	1.5	
	-LRE	12	07	07.5	18.8	2.5	
	+LRN	12	08	56.3	15.9	3.0	
	-IPE	14	04	37.5	1.0	3.5	
	+IPN	14	04	37.1	1.0	1.8	
	+IPZ	14	04	37.7	1.0	1.2	
	-ESE	14	08	21.0	1.0	1.0	
-ESN	14	08	20.9	1.3	2.0		
-ESZ	14	08	22.0	1.0	0.5		
+EPE	19	04	45.5	1.0	1.1		
-EPN	19	04	46.0	1.0	0.9		
+EPZ	19	04	46.6	0.9	0.5		

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
MAR 05	+IPE	00	35	01.8	1.8	2.0
	-IPN	00	35	04.0	1.0	1.0
	+IPZ	00	35	01.7	1.9	3.0
	+ESE	00	45	31.8	1.7	3.5
	+ISN	00	45	30.0	1.5	2.5
	+ESZ	00	45	30.9	1.3	0.8
	-EPE	06	51	19.7	1.9	4.4
	-EPN	06	51	19.7	0.7	1.0
	+EPZ	06	51	19.5	0.8	0.6
	+EPE	08	05	10.0	1.0	2.0
	+EPN	08	05	10.2	1.1	1.0
	-EPZ	08	05	11.0	1.0	0.5
	-IPE	10	39	38.8	1.2	4.5
	+IPN	10	39	38.3	1.2	3.5
	+IPZ	10	39	38.0	1.5	4.0
	-IPE	21	38	20.0	1.6	6.0
	+IPN	21	38	20.3	1.1	2.2
	+IPZ	21	38	20.0	1.6	5.0
	-ESE	21	43	22.7	2.2	23.0
	-ESN	21	43	23.0	2.3	5.0
	-ESZ	21	43	22.5	2.0	4.0
06	-EPE	05	23	25.5	1.0	1.5
	+EPN	05	23	25.7	1.0	0.7
	+EPZ	05	23	27.5	0.6	0.3
07	+EPE	09	53	02.8	1.0	1.5
	-EPN	09	53	02.6	1.0	2.0
	+EPZ	09	53	03.0	1.0	1.3
08	+IPE	15	19	39.4	1.4	4.4
	+IPN	15	19	39.6	1.5	6.0
	-IPZ	15	19	39.7	1.5	11.0
	+EPE	03	21	23.7	0.9	2.0
	-EPN	03	21	25.3	1.0	2.2
	EPZ	03	21	25.0		
09	-EPE	03	34	15.8	1.0	2.0
	+EPN	03	34	15.8	0.8	1.5
	+EPZ	03	34	16.0	0.8	0.5
	-IPE	00	35	43.0	0.6	0.6
	+IPN	00	35	43.0	1.2	2.7
	+IPZ	00	35	44.0	1.0	2.0
	+EPE	00	47	07.3	0.8	1.5

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
MAR 09	+EPN	00	47	08.5	0.7	2.5
	+EPZ	00	47	09.3	1.0	0.9
10	-EPE	00	52	03.5	1.3	3.5
	+EPN	00	52	03.8	0.6	1.5
	-EPZ	00	52	05.1	0.6	1.0
	+EPE	08	41	25.0	1.3	4.5
	+EPN	08	41	26.5	0.6	1.5
	-EPZ	08	41	27.0	1.0	0.5
	+EPE	11	28	48.0	1.2	2.5
	+EPN	11	28	48.5	0.6	0.6
	+EPZ	11	28	50.0	0.8	0.3
	+EPE	19	49	41.7	1.3	4.5
11	+EPN	19	49	41.0	1.0	1.5
	+EPZ	19	49	41.0	1.6	1.5
	+EPE	07	56	17.0	1.0	1.5
	+EPN	07	56	17.4	0.9	1.0
	+EPZ	07	56	16.7	1.0	0.5
	+EPE	08	05	10.6	0.8	1.0
	+EPN	08	05	10.0	0.5	0.5
	-EPZ	08	05	12.0	0.8	0.4
	-EPE	09	02	26.0	0.8	1.2
	+EPN	09	02	26.5	0.6	0.7
12	+EPZ	09	02	26.9	1.0	1.0
	-EPE	10	05	36.0	1.0	1.3
	-EPN	10	05	37.4	0.5	0.7
	+EPZ	10	05	36.2	0.8	1.0
	+EPE	21	50	46.0	1.0	1.3
	+EPN	21	50	48.3	0.6	1.0
	-EPZ	21	50	49.0	0.9	0.7
	+EPE	01	33	34.0	1.2	2.8
	-EPN	01	33	38.0	1.3	2.0
	-EPZ	01	33	37.0	1.2	1.0
12	-EPE	09	40	42.2	0.8	1.5
	+EPN	09	40	41.0	1.0	1.6
	-EPZ	09	40	41.0	1.0	1.0
	+EPE	19	32	24.9	1.5	3.8
	+EPN	19	32	23.6	1.0	1.4
	+EPZ	19	32	25.1	1.3	1.5
	-EPE	22	00	51.2	1.3	3.0
	+EPN	22	00	53.7	0.8	1.3

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
MAR 12	-EPZ	22	00	51.5	1.0	1.0
13	+EPE	08	42	14.5	1.7	1.0
	-EPN	08	42	55.2	1.0	0.6
	-EPZ	08	42	57.5	0.7	0.5
	+EPE	09	02	25.5	1.0	1.0
	+EPN	09	02	27.5	0.5	0.6
	+EPZ	09	02	26.3	1.0	0.2
	+EXE	09	47	42.5	1.0	2.5
	+EXN	09	47	43.3	0.6	1.0
	+EXZ	09	47	43.3	0.6	0.5
	-IPE	15	37	52.5	1.7	4.8
	+IPZ	15	37	52.5	1.5	5.0
	LP+PPE	15	36	43.1	15.0	3.0
	LP+PPN	15	38	43.4	13.1	3.5
	LP-PPZ	15	38	45.0	6.4	4.5
	LP-PSE	15	47	43.1	13.1	9.5
	LP+PSN	15	47	43.1	21.6	17.5
	LP-PSZ	15	47	43.1	9.4	15.0
	LP+SSE	15	52	35.6	23.4	5.5
	LP+SSN	15	52	41.3	13.1	9.5
	LP LGE	15	58	57.2	29.5	14.0
	LP LGN	15	58	57.2	25.8	19.5
	+EPE	16	05	59.0	2.5	2.5
	+IPZ	16	05	59.3	2.5	3.5
	+IPE	18	57	45.0	1.2	4.5
	-IPZ	18	57	45.2	1.4	9.9
	LP-EPE	18	57	46.9	12.2	8.5
	LP+EPN	18	57	46.9	9.4	6.5
	LP-IPZ	18	57	46.9	10.3	22.0
	+ISE	19	07	53.2	2.0	4.3
	+ISZ	19	07	54.5	2.2	1.1
	LP-ISE	19	07	52.5	15.0	36.5
	LP-ISN	19	07	52.5	15.0	37.0
	EPE	19	27	26.1		
	+IPZ	19	27	26.3	1.9	2.0
	+EPE	20	29	34.0	1.0	1.5
	+EPZ	20	29	36.9	1.0	0.6
14	+IPE	00	14	15.7	1.2	4.0
	-IPZ	00	14	15.7	1.0	2.0
	+EPL	19	45	05.0	1.4	4.5

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
MAR 14	+EPN	19	45	05.2	1.0	2.0
	+EPZ	19	45	04.8	1.1	1.5
	+EPE	21	57	14.3	0.8	1.5
	+EPN	21	57	14.0	0.6	1.0
	EPZ	21	57	16.2		
15	+EPE	20	16	03.8	1.7	3.8
	-EPN	20	16	02.0	1.0	1.4
	-EPE	22	19	08.7	1.0	3.4
	-EPN	22	19	08.9	1.0	1.0
	+EPE	22	50	40.2	1.0	1.7
	-EPN	22	50	39.2	1.0	1.5
16	-EPE	05	31	23.6	2.0	2.4
	-EPN	05	31	23.0	1.3	2.0
	+EPZ	05	31	23.9	1.0	0.6
	+EXE	05	36	49.0	1.5	5.7
	-EXN	05	36	49.6	0.5	1.5
	-EXZ	05	36	51.5	0.8	0.5
17	+EPE	23	47	53.0	1.5	3.0
	+EPN	23	47	54.5	1.0	2.2
	+EPZ	23	47	53.0	1.0	1.0
18	+EPE	01	23	46.5	1.0	2.5
	-EPN	01	23	47.2	1.5	2.0
	+EPZ	01	23	46.0	1.5	2.0
	-EPE	09	20	56.5	0.6	1.7
	+EPN	09	20	56.5	0.8	0.8
	+EPZ	09	20	56.8	1.2	1.5
	+IPE	17	34	37.0	1.1	4.5
	+IPN	17	34	37.0	1.3	3.0
	-IPZ	17	34	37.2	1.1	6.0
	IPE	20	13	44.0		
	+IPN	20	13	41.0	2.0	5.0
	+EPZ	20	13	41.0	1.0	1.7
19	-EPE	20	48	31.0	1.0	1.5
	-EPN	20	48	32.9	1.0	1.8
	+EPZ	20	48	31.0	1.0	1.5
	-EPE	23	50	01.0	0.5	2.0
	+EPN	23	50	01.0	0.5	1.5
	+EPZ	23	50	02.0	1.0	1.0
20	-EPE	01	08	49.0	0.8	1.5
	+EPN	01	08	50.0	1.0	2.0

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
MAR 20	-EPZ	01	08	50.0	0.7	1.2
	+EPE	02	47	08.0	1.4	5.0
	-EPN	02	47	08.5	1.0	1.5
21	+EPZ	02	47	09.9	1.0	2.0
	-EPE	04	52	28.0	1.1	2.8
	+EPN	04	52	28.8	0.8	2.2
	+EPZ	04	52	28.9	1.1	2.0
	+EXE	06	58	16.0	1.3	4.4
	+EXN	06	58	16.5	1.0	2.0
22	+EXZ	06	58	17.5	0.6	1.0
	-EPE	07	36	56.3	0.8	1.3
	+EPN	07	36	59.0	1.0	1.5
	-EPZ	07	36	57.5	0.8	0.6
	+EPE	19	14	14.7	1.0	2.0
23	+EPN	19	14	14.6	1.0	1.0
	-EPZ	19	14	15.0	1.0	1.0
	LP+EPZ	07	50	28.1	14.1	1.0
	LP-ISE	07	57	45.0	11.3	5.0
	LP-ESN	07	57	42.2	11.3	3.0
	LP+IPSE	08	00	53.3	17.1	12.0
	LP-EP SN	08	00	54.4	15.0	8.5
	LP+IPSZ	08	00	53.3	14.3	12.0
	LP+PSPSE	08	07	15.0	18.8	9.0
	LP-PSPSN	08	07	13.1	23.1	12.5
	LP+PSPSZ	08	07	15.0	22.5	8.5
	+EPE	08	40	07.2	0.6	1.1
	+EPN	08	40	07.5	0.5	0.5
	+EPZ	08	40	06.0	1.0	0.5
24	-EPE	11	06	41.2	0.8	2.5
	+EPN	11	06	42.5	1.0	1.5
	+EPZ	11	06	42.0	1.0	0.6
	-IPE	02	00	19.0	1.0	1.6
	+EPN	02	00	18.3	1.5	2.0
	-EPZ	02	00	20.0	1.0	1.0
	-EPE	05	55	41.2	1.0	3.5
	+EPN	05	55	42.0	0.7	1.5
	+EPZ	05	55	41.3	0.6	1.0
	+IPE	15	50	25.0	1.0	2.5
	+EPN	15	50	25.0	1.0	1.2
	-IPZ	15	50	25.0	1.0	1.5

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
MAR 25	+ISE	06	31	20.5	1.2	1.5
	-ISN	06	31	19.0	2.4	7.0
	-ISZ	06	31	23.8	1.5	1.5
27	+IPE	06	52	25.0	2.0	18.0
	+IPN	06	52	25.0	2.0	10.0
	-IPZ	06	52	25.0	2.0	20.0
	+IPE	21	53	41.0	1.0	4.0
	-IPN	21	53	41.0	1.0	1.5
	+EPZ	21	53	40.8	1.3	1.5
	-EPE	06	22	20.0	0.5	0.8
	+EPN	06	22	20.0	1.0	1.2
	LP EXE	06	23	52.7	20.0	4.0
	LP EXN	06	23	25.4	17.3	4.5
28	LP EXZ	06	23	14.5	17.3	4.0
	+EPE	09	40	31.0	1.0	1.0
	+EPN	09	40	31.0	0.8	1.0
	-IPE	15	44	44.9	1.2	3.5
	+IPN	15	44	44.2	1.0	0.8
	-IPZ	15	44	44.0	1.5	1.7
	+EPE	20	20	45.0	1.0	4.4
	-EPN	20	20	43.4	0.8	0.7
	+EPZ	20	20	44.0	1.0	0.6
	+IPE	02	50	54.8	1.0	0.8
	-IPN	02	50	55.0	0.7	1.0
	-IPZ	02	50	54.9	1.0	2.0
	+EPE	04	59	33.5	1.0	2.8
	+EPN	04	59	33.5	0.8	1.7
29	+EPE	07	39	32.7	1.1	2.5
	+EPN	07	39	32.0	1.0	1.6
	+EPE	08	19	28.3	1.0	1.4
	-EPN	08	19	30.0	1.0	1.0
	+EPZ	08	19	28.5	1.0	1.6
	+EPE	10	29	02.0	1.0	1.8
	+EPN	10	29	00.9	0.8	1.0
	-EPE	11	18	44.0	0.8	2.8
	+EPN	11	18	44.3	0.8	1.7
	+EPE	00	50	16.0	1.0	1.2
+EPN	00	50	17.0	0.9	1.0	
-EPZ	00	50	18.9	1.0	0.9	
+IPE	07	26	40.0	1.2	3.0	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
MAR 29	+IPN	07	26	40.0	1.2	2.5	
	+IPZ	07	26	40.5	1.0	0.6	
	+IPE	09	48	45.0	1.8	1.5	
	+EPN	09	48	43.0	1.5	1.0	
	+IPZ	09	48	43.0	2.0	1.0	
	+EPE	11	16	06.5	1.0	1.8	
	+EPN	11	16	06.5	0.8	1.8	
	+EPZ	11	16	09.5	0.6	0.5	
	30	+EPE	00	42	08.4	1.0	1.1
		+EPN	00	42	10.6	0.7	0.8
		+EPZ	00	42	11.2	0.7	0.3
		+IPE	13	54	29.5	1.0	1.5
		-IPN	13	54	29.9	1.0	1.8
		+IPZ	13	54	32.5	0.9	1.0
		-IPE	22	10	23.3	0.8	11.0
+IPN		22	10	23.2	0.8	9.5	
-IPZ		22	10	21.0	1.0	4.5	
-ISE		22	36	43.3	1.5	23.0	
31	+ISN	22	36	44.0	1.1	9.5	
	+ISZ	22	36	44.0	1.2	13.5	
	-EPE	00	58	36.0	0.8	2.0	
	-EPN	00	58	36.2	1.0	1.5	
	+EPZ	00	58	38.0	1.0	1.0	
APR 01	+EPE	05	55	50.5	0.8	1.6	
	-EPN	05	55	53.3	1.0	2.2	
	+EPZ	05	55	51.0	0.8	1.0	
	+EPE	08	37	58.2	1.0	2.0	
	+EPN	08	37	58.7	0.5	0.4	
	+EPZ	08	37	58.0	1.0	0.5	
	03	-EPE	03	26	02.8	1.0	2.5
		+EPN	03	26	02.5	1.0	2.5
		+EPZ	03	26	02.5	1.0	2.0
		+EPE	08	36	37.5	0.6	0.6
+EPN		08	36	38.0	0.7	1.0	
+EPZ		08	36	39.0	1.0	0.3	
-IPE		14	44	24.0	1.6	2.2	
+EPN		14	44	24.9	1.0	1.0	
+EPZ		14	44	24.9	1.0	0.5	
04		+EPE	02	03	12.0	1.0	1.0
	-EPN	02	03	13.0	1.0	0.9	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
APR 04	-EPZ	02	03	13.1	0.6	0.2	
	+IPE	11	23	52.8	1.0	4.0	
	-IPN	11	23	53.1	1.0	4.0	
	+IPZ	11	23	53.0	1.0	6.5	
	+ISE	11	33	30.1	1.2	1.6	
	-ISN	11	33	30.0	1.3	2.1	
	+ESZ	11	33	30.5	1.1	1.0	
	+IPE	16	06	09.0	0.8	1.5	
	+IPN	16	06	09.0	0.7	0.7	
	+IPZ	16	06	10.0	0.8	0.5	
	+IPE	17	49	54.0	1.6	2.1	
	+IPN	17	49	54.0	1.3	2.9	
	-IPZ	17	49	54.0	1.5	2.5	
	LP-LQE	18	02	43.1	18.8	6.0	
	LP+LRE	18	04	37.5	14.1	12.0	
	LP+LRN	18	04	34.7	18.8	2.5	
	LP+LRZ	18	04	35.6	20.6	12.0	
	05	+IPE	07	20	35.0	1.0	2.0
		-IPN	07	20	35.0	0.9	0.8
		+IPZ	07	20	36.0	0.8	0.6
LP-ESE		10	00	31.4	5.5	1.0	
LP-ESN		10	00	28.1			
LP+EPPSE		10	03	28.1	9.4	2.0	
LP+EPPSZ		10	03	24.4	6.5	2.5	
LP+LRE		10	27	56.3	20.6	2.5	
LP+LRN		10	27	37.5	16.9	2.5	
LP+LRZ		10	27	37.5	24.4	4.0	
06	+IPE	15	12	29.0	0.8	1.5	
	+IPN	15	12	32.0	1.2	1.5	
	+IPZ	15	12	29.2	1.0	1.2	
	LP-LRE	21	45	31.4	17.5	2.5	
	LP-LRZ	21	45	29.1	16.4	4.0	
	-IPE	10	15	01.0	1.5	5.0	
	+IPN	10	15	02.0	1.0	1.5	
	+IPZ	10	15	00.8	1.2	4.5	
	-IPE	10	54	39.0	1.2	2.4	
	-IPN	10	54	40.5	1.2	2.0	
-EPZ	10	54	38.7	1.0	3.0		
LP+EPPZ	10	58	17.5	9.2	3.5		
-EPE	17	59	23.0	1.0	1.0		

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
APR 06	+EPN	17	59	23.5	1.0	1.2	
	+EPZ	17	59	24.9	0.6	0.7	
	+EPE	18	09	41.0	1.2	1.0	
	-EPN	18	09	40.0	1.0	0.6	
	-EPZ	18	09	40.5	1.0	1.0	
	07	+EPE	08	11	26.5	1.2	5.2
		+EPN	08	11	27.0	1.2	1.0
		+EPZ	08	11	26.2	1.2	3.2
		LP-ESZ	08	21	54.4	15.0	5.0
		+EPE	14	44	36.2	1.0	1.0
		-EPN	14	44	35.8	1.0	1.0
		+IPZ	14	44	36.0	1.0	1.1
		-EXE	21	19	07.2	1.0	1.2
		+EPN	21	19	53.0	0.6	1.0
+EPZ		21	19	53.2	0.2	0.3	
08		+EPE	06	01	19.7	0.8	1.5
		+EPN	06	01	20.0	0.7	1.0
		+EPZ	06	01	20.5	0.6	0.6
		+EPE	07	12	21.0	0.8	0.6
	+EPN	07	12	21.0	0.8	1.0	
	-EPZ	07	12	21.0	0.9	0.5	
	+EPE	09	25	06.3	1.2	1.8	
	+EPN	09	25	08.0	0.9	1.5	
	+EPZ	09	25	08.0	0.7	0.5	
	+EPE	15	10	13.0	1.0	2.2	
	-EPN	15	10	13.9	0.8	1.5	
	-EPZ	15	10	12.2	1.0	0.5	
	-EPE	22	51	52.5	1.0	1.5	
	+EPN	22	51	53.0	1.0	1.7	
09	+EPZ	22	51	53.0	0.8	0.5	
	+IPE	06	39	27.0	1.2	3.0	
	+IPN	06	39	27.6	0.8	1.2	
	+IPZ	06	39	27.0	1.0	3.0	
	-EXE	06	42	16.0	2.2	8.5	
	-EXN	06	42	17.5	1.6	3.9	
	-EXZ	06	42	16.0	2.3	5.5	
	LP-EPPE	06	43	28.1	14.1	3.0	
	LP-EPPZ	06	43	26.3	11.3	4.5	
	LP+SPPE	06	44	09.2	11.1	4.5	
	LP+SPPZ	06	44	09.2	9.2	8.5	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
APR 09	LP+SKSE	06	49	48.0	12.9	14.0	
	-SKSN	06	49	49.5	2.0	4.0	
	-SKSZ	06	49	48.0	2.2	1.7	
	LP-SKKSE	06	50	24.4	11.3	11.0	
	LP-ESE	06	50	46.9	9.4	18.0	
	LP-PSE	06	51	23.6	12.7	19.0	
	LP-SSSE	06	57	46.9	15.0	7.5	
	+EPN	19	38	21.3	1.0	2.0	
	+EPZ	19	38	22.0	0.4	0.5	
	-EPN	20	47	31.4	1.0	2.2	
	+EPZ	20	47	31.4	0.8	1.0	
	+EPN	21	00	10.2	0.6	1.0	
	+EPZ	21	00	11.0	0.3	0.3	
	10	+EPN	09	24	40.0	1.0	1.0
-EPZ		09	24	39.2	1.0	0.6	
LP-LRE		15	53	52.5	18.8	7.5	
LP-LRZ		15	53	15.0	20.6	4.5	
LP-PPE		17	05	30.9	14.5	6.0	
LP+PPN		17	05	31.4	15.7	7.0	
LP+PPZ		17	05	27.3	15.5	14.0	
-EPE		20	53	44.7	0.9	1.5	
+EPN		20	53	46.0	0.8	1.5	
+EPZ		20	53	46.7	0.5	0.6	
11		+EPE	00	18	04.0	1.8	10.0
		-EPN	00	18	04.0	1.2	4.5
		+EPZ	00	18	03.7	1.6	5.5
		-ESE	00	20	56.1	2.4	9.0
	+ESN	00	20	56.0	2.0	5.0	
	-ESZ	00	20	56.0	1.8	3.6	
	LP-ISE	00	26	00.0	10.3	36.0	
	LP-ISZ	00	26	01.8	11.1	25.5	
	LP+LRZ	00	33	35.6	35.6	14.0	
	+EPE	11	54	42.8	1.8	4.9	
	-EPN	11	54	42.7	0.9	2.5	
	-EPZ	11	54	42.0	1.3	4.0	
	+EPE	21	33	01.8	0.8	2.5	
	+EPN	21	33	02.0	1.0	1.5	
+EPZ	21	33	02.8	0.6	0.6		
-EPE	22	41	21.5	1.0	2.1		
-EPN	22	41	22.8	1.0	2.0		

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
APR 11	-EPZ	22	41	25.5	1.0	1.5
	-EPE	22	49	17.5	1.1	1.5
	+EPN	22	49	17.6	1.1	1.0
12	+EPZ	22	49	26.0	1.2	1.8
	-EPE	22	49	45.0	1.1	1.7
	+EPN	22	49	47.5	1.0	2.4
13	+EPZ	22	49	47.8	1.0	1.2
	+IPE	01	47	29.0	1.2	13.0
	+IPN	01	47	29.8	0.7	1.7
14	+IPZ	01	47	29.2	1.8	11.5
	-EPE	22	46	00.5	0.3	1.5
	+EPN	22	46	01.6	0.6	2.0
	-EPZ	22	46	01.8	0.5	1.0
	+EPE	17	05	24.5	1.0	2.2
	+EPN	17	05	25.0	1.0	1.1
	+EPZ	17	05	25.2	1.0	1.0
	-EPE	20	37	51.0	2.7	12.0
	+EPN	20	37	51.5	1.7	5.0
	+EPZ	20	37	51.5	1.6	5.0
15	+EPE	23	02	10.5	0.8	1.0
	-EPN	23	02	10.2	1.0	1.1
	+EPZ	23	02	12.7	0.5	0.5
	LP+LRZ	07	05	20.6	18.8	7.0
	+EPE	09	27	13.3	0.6	1.0
	+EPN	09	27	06.0	1.5	1.5
	+EPZ	09	27	05.5	1.5	0.7
	+EPE	23	44	02.0	1.3	2.0
	-EPN	23	44	03.2	0.3	0.6
	+EPZ	23	44	03.8	0.6	0.5
16	-EPE	01	46	57.0	1.1	1.5
	+IPN	01	46	56.2	0.8	0.6
	+IPZ	01	46	56.6	1.0	1.6
	LP-PKPZ	01	46	56.3	7.5	3.0
	LP-PPZ	01	49	56.0	6.6	2.5
	LP-PPSZ	01	50	09.4	8.4	2.5
	-ISE	01	50	19.0	1.7	4.5
	+ISA	01	50	18.1	2.2	6.0
	-ISZ	01	50	17.5	2.2	7.0
	+IPE	02	04	19.8	0.5	0.8
-IPN	02	04	19.8	0.6	4.0	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
APR 16	-IPZ	02	04	19.6	0.8	1.2
	LP+EXE	02	04	22.5	15.0	3.5
17	LP-EXN	02	04	22.5	15.0	5.5
	LP-EXZ	02	04	22.5	15.0	9.0
	-IPE	14	20	34.0	1.1	2.0
	-EPN	14	20	33.5	1.4	1.5
	-EPZ	14	20	34.0	1.4	1.7
	-EPE	21	52	54.0	1.3	2.0
	-EPN	21	52	57.0	0.8	1.0
	+EPZ	21	52	58.0	1.5	2.4
	-EPE	23	23	29.0	0.3	1.2
	+EPN	23	23	28.5	0.7	1.0
	-EPZ	23	23	30.0	0.2	0.2
	+EPE	23	42	04.0	1.0	1.6
	+EPN	23	42	05.0	0.9	1.1
	+EPZ	23	42	06.8	1.0	1.4
	-EPE	00	05	35.0	0.6	1.5
	+EPN	00	05	35.7	0.5	0.6
	-EPZ	00	05	37.0	0.8	1.0
	+EPE	00	57	40.0	1.0	1.5
+EPN	00	57	40.0	0.5	0.6	
+EPZ	00	57	43.1	0.5	0.8	
18	+EPE	02	44	36.0	0.7	2.0
	+EPN	02	44	36.3	0.7	1.0
	-EPZ	02	44	37.0	0.6	0.5
	-EPE	02	45	36.7	0.7	1.3
	+EPN	02	45	36.7	0.4	1.0
	+EPZ	02	45	37.0	0.3	0.2
	-EPE	10	18	27.0	1.0	4.0
	-EPN	10	18	29.9	0.8	1.0
	-EPZ	10	18	26.0	1.3	2.2
	+EPE	06	32	32.2	0.9	0.6
	+IPN	06	32	33.5	0.7	1.5
	+EPZ	06	32	33.0	1.0	1.5
19	+IPE	11	51	52.5	1.3	3.0
	+IPN	11	51	53.0	1.0	3.1
	-IPZ	11	51	53.0	1.3	5.5
	LP-EPZ	11	52	01.9	7.5	1.5
	LP+EPPZ	11	54	32.0	8.4	3.5
	LP-ISE	12	01	13.1	14.1	21.0
20						

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
APR 20	LP+ESN	12	01	15.0	12.2	4.5
	LP-LQE	12	12	45.0	32.8	16.0
	LP-LRN	12	17	14.1	26.3	17.0
	LP+LRZ	12	17	15.0	30.0	20.0
	+IPE	22	06	48.3	1.0	2.0
	-EPN	22	06	48.0	1.0	2.4
	+IPZ	22	06	48.0	1.0	3.5
	+EPE	17	51	28.5	1.0	1.5
	+EPN	17	51	28.0	0.6	0.5
	+EPZ	17	51	30.0	0.5	0.5
	-EPE	22	58	13.3	1.0	1.0
	+EPN	22	58	13.9	1.0	0.8
	+EPZ	22	58	14.9	0.8	0.6
	21	+EPE	02	25	34.1	1.0
+EPN		02	25	34.9	1.0	1.1
+EPZ		02	25	35.0	0.7	0.4
+EPE		04	03	18.0	0.6	1.0
-EPN		04	03	19.0	0.6	1.5
+EPZ		04	03	19.0	0.8	0.5
+EPE		23	46	10.5	2.0	5.5
+EPN		23	46	09.8	1.2	1.7
+EPZ		23	46	09.6	1.4	1.2
22		+EPE	06	22	04.6	1.1
	+EPN	06	22	05.7	1.0	2.0
	+EPZ	06	22	06.4	0.9	1.0
	+EPE	19	08	19.4	1.0	2.1
	+EPN	19	08	20.1	0.8	2.5
	+EPZ	19	08	20.1	0.6	0.6
	-EPE	19	41	11.2	0.6	2.5
	+EPN	19	41	12.4	0.8	1.5
	+EPZ	19	41	10.9	0.6	0.5
	23	+EPE	08	44	00.0	0.7
-EPN		08	44	00.5	1.0	1.0
-EPZ		08	44	02.3	1.0	0.6
-EPE		09	09	53.9	0.6	2.5
+EPN		09	09	55.5	0.8	1.0
-EPZ		09	09	55.4	1.0	1.1
-EPE		10	23	40.0	1.2	0.5
-EPN		10	23	43.8	1.0	1.5
-EPZ		10	23	42.8	1.0	0.5

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
APR 23	+EPE	11	56	46.7	0.3	1.0	
	+EPN	11	56	46.1	0.6	1.5	
	+EPZ	11	56	46.8	0.5	0.5	
	LP-LRZ	12	38	06.4	16.6	4.5	
	+EPE	20	25	19.2	2.0	3.0	
	+EPN	20	25	19.0	0.6	1.5	
	+EPZ	20	25	20.7	1.0	1.0	
	+EPE	22	36	14.8	1.1	2.0	
	+EPN	22	36	13.8	0.9	1.1	
	+EPZ	22	36	16.3	0.3	0.5	
	24	+EPE	02	03	21.2	0.8	1.8
		-EPN	02	03	21.6	1.0	3.5
		+EPZ	02	03	21.7	1.0	1.5
		+EPE	21	05	08.1	1.4	2.0
+EPN		21	05	08.0	1.0	2.5	
-EPZ		21	05	08.2	0.5	0.6	
+EPE		21	22	22.0	0.8	3.2	
+EPN		21	22	22.2	0.7	2.0	
-EPZ		21	22	22.0	0.6	0.8	
25		+EPE	00	51	35.8	0.7	0.3
	-EPN	00	51	36.2	0.8	0.5	
	-EPZ	00	51	36.5	0.7	0.5	
	-EPE	01	57	00.0	1.3	4.0	
	+EPN	01	57	00.5	1.0	0.5	
	+EPZ	01	57	00.0	1.3	2.0	
	+IPE	19	32	24.6	1.8	7.3	
	-IPN	19	32	25.0	1.5	3.0	
	+IPZ	19	32	25.0	2.0	2.0	
	+EPE	21	21	59.7	1.0	2.2	
26	+EPN	21	22	00.1	0.7	0.7	
	EPZ	21	22	00.9			
	-EPE	22	25	20.8	0.5	2.0	
	+EPN	22	25	19.5	0.9	0.8	
	+EPZ	22	25	21.5	0.9	0.6	
	+EPE	06	54	54.4	1.0	2.0	
	+EPN	06	54	53.3	1.1	1.2	
	+IPZ	06	54	54.1	1.0	2.0	
	+EPE	23	20	30.0	1.5	4.3	
	+EPN	23	20	30.0	1.2	2.5	
-EPZ	23	20	29.5	0.6	0.6		

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
APR 28	+EPE	01	05	53.6	0.9	1.5	
	+EPN	01	05	53.8	0.9	1.0	
	+EPZ	01	05	54.8	1.0	0.9	
29	-EPE	00	13	48.0	1.0	2.0	
	+EPV	00	13	49.0	1.0	0.7	
	-EPZ	00	13	49.7	1.0	0.5	
	-IPE	15	31	00.4	1.0	3.2	
	+IPN	15	31	00.3	1.2	3.4	
	-IPZ	15	31	00.3	1.2	3.8	
	MAY 01	+EPN	03	28	50.4	1.0	0.8
+EPZ		03	28	48.4	1.0	0.8	
LP-EPZ		03	28	52.5	11.3	2.0	
LP-EPPZ		03	30	37.5	13.1	2.5	
LP+ESE		03	35	37.5	9.4	4.0	
LP-ESZ		03	35	36.9	10.2	3.5	
LP-LQN		03	44	20.6	18.8	9.0	
LP+LRE		03	45	46.9	20.6	12.5	
LP+LRN		03	45	35.6	20.6	13.0	
LP+LRZ		03	45	49.7	20.6	23.0	
+IPN		06	18	27.7	0.8	2.0	
-IPZ		06	18	27.9	1.2	5.0	
02		-EPN	01	38	04.5	0.7	1.0
		+EPZ	01	38	05.8	0.7	1.0
03	+IPE	20	11	49.1	0.7	1.0	
	+IPN	20	11	48.8	1.0	2.0	
	+IPZ	20	11	48.7	0.8	1.0	
04	-EPE	09	52	00.8	1.0	1.1	
	+EPN	09	52	00.5	0.8	1.0	
	+EPZ	09	52	00.4	0.8	0.3	
05	LP-LRN	06	14	12.2	26.3	3.5	
	LP+LRZ	06	14	04.7	28.1	4.0	
	+EPN	20	08	44.4	0.7	0.7	
	+EPZ	20	08	46.0	0.8	1.0	
06	-EXN	20	40	34.3	1.3	4.5	
	-EXZ	20	40	33.7	1.0	3.5	
	+EPN	05	56	55.1	0.8	0.6	
	+EPZ	05	56	56.8	0.4	0.5	
	+EPN	08	10	31.0	0.7	1.0	
	-EPZ	08	10	32.0	1.0	0.8	
	+EPN	08	35	37.8	0.5	0.6	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
MAY 06	+EPZ	08	35	39.0	0.4	0.3
	-EPN	18	46	57.4	0.3	0.7
08	-EPZ	18	46	57.6	0.5	0.5
	-EPN	00	51	19.0	1.3	1.0
	-EPZ	00	51	20.2	1.0	0.6
	-EPE	22	07	57.8	0.6	0.6
	+EPN	22	07	57.9	1.0	0.8
	+EPZ	22	07	57.9	0.8	0.6
	09	+EPE	15	33	04.0	1.1
-EPN		15	33	04.0	1.0	1.3
-EPZ		15	33	04.0	1.0	1.0
+IPE		18	46	39.1	1.4	9.5
-IPN		18	46	39.1	1.1	9.5
+IPZ		18	46	39.1	1.3	11.5
LP+EPZ		18	46	38.4	7.5	3.5
-ESE		18	56	05.0	1.5	1.5
+ESN		18	56	07.0	1.5	1.5
+ESZ		18	56	04.9	1.0	0.6
LP+ESE		18	56	06.6	9.4	2.0
LP+ESN		18	56	11.2	13.1	2.0
LP-LRE		19	16	28.1	20.6	2.5
LP+LRN		19	16	28.1	22.5	5.0
LP-LRZ	19	16	30.9	22.5	10.5	
10	+EPE	02	45	21.7	1.0	1.5
	-EPN	02	45	22.0	0.8	1.0
	-EPZ	02	45	22.0	1.0	0.5
	-IPE	14	38	02.5	2.0	4.0
	+IPN	14	38	02.8	1.0	4.0
	+IPZ	14	38	02.4	0.8	2.0
	LP-IPE	14	38	05.6	15.0	18.0
	LP-IPN	14	38	02.8	15.0	28.0
	LP+IPZ	14	38	02.8	15.9	62.0
	+ISE	14	46	25.8	1.5	1.0
	-ISN	14	46	25.8	4.6	8.0
-ISZ	14	46	26.0	3.0	1.5	
LP-ISE	14	46	30.0	31.9	43.5	
LP-ISN	14	46	28.1	24.4	80.0	
LP+ISZ	14	46	32.3	20.3	44.0	
LP+LQE	14	50	30.9	16.9	35.0	
LP-LQN	14	50	39.4	23.4	50.0	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
MAY 10	LP-LRE	14	53	36.9	27.7	38.0	
	LP+LRN	14	53	36.9	32.7	27.0	
	LP+LRZ	14	53	37.5	25.3	35.0	
	+EPE	20	27	35.0	1.0	1.0	
	+EPN	20	27	35.0	1.0	1.0	
	+EPZ	20	27	36.1	0.9	0.6	
	+EPE	21	24	19.0	1.0	1.0	
	-EPN	21	24	21.0	0.9	1.2	
	-EPZ	21	24	20.6	0.9	0.7	
	11	-EPE	03	37	21.7	1.0	1.0
		+EPN	03	37	23.1	1.0	1.0
		+EPZ	03	37	28.0	1.0	0.5
		-EPE	07	16	13.0	0.8	1.0
		+EPN	07	16	13.9	0.5	0.6
-EPZ		07	16	12.9	1.1	1.5	
-EPE		21	54	47.0	1.3	2.0	
+EPN		21	54	45.0	1.0	0.5	
-EPZ		21	54	45.8	1.0	1.5	
12		-IPE	10	31	22.5	1.0	2.5
	+IPN	10	31	22.8	1.0	0.6	
	+IPZ	10	31	22.0	1.2	4.0	
13	+EPE	21	31	37.5	1.0	1.0	
	+IPN	21	31	38.8	0.8	0.5	
	-IPZ	21	31	37.7	1.2	3.0	
	-ESE	21	42	04.7	2.2	1.1	
	+ESN	21	42	05.0	1.2	1.0	
	+ESZ	21	42	04.0	1.0	0.2	
	LP-ESE	21	42	11.3	13.1	2.0	
	LP-ESN	21	42	12.2	11.3	1.0	
	LP+ESZ	21	42	09.4	10.3	1.5	
	LP-LRZ	22	02	07.5	33.8	8.0	
14	-IPE	14	19	40.0	1.4	3.0	
	-IPN	14	19	40.0	1.2	3.0	
	+IPZ	14	19	40.0	3.0	14.0	
15	+EPE	02	23	03.8	0.9	0.2	
	+EPN	02	23	05.5	0.6	0.5	
	+EPZ	02	23	04.8	0.8	0.5	
	-EPE	05	14	32.7	1.0	2.0	
	+EPN	05	14	32.7	0.6	0.5	
	+IPZ	05	14	33.7	2.0	2.0	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
MAY 15	-EPE	21	20	21.1	1.0	2.0	
	+EPN	21	20	21.1	0.5	0.6	
16	+EPZ	21	20	20.9	0.5	1.1	
	-IPE	03	40	40.2	0.8	1.0	
18	+EPN	03	40	39.9	0.9	0.5	
	+EPE	05	37	49.3	0.8	3.0	
	+EPN	05	37	48.4	1.0	1.3	
	+EPZ	05	37	47.3	1.0	0.5	
	+EPE	05	40	46.8	1.5	2.0	
	-EPN	05	40	45.8	1.0	1.0	
	+EPZ	05	40	47.8	0.8	0.5	
	+EPE	16	58	20.4	1.1	1.0	
	-EPN	16	58	19.7	1.0	0.9	
	+IPZ	16	58	19.9	2.0	2.0	
19	-IPE	00	06	39.6	1.0	1.4	
	+IPN	00	06	38.6	1.1	0.9	
	+IPZ	00	06	38.6	1.2	1.0	
	LP+LRZ	00	42	14.7	20.6	2.0	
	+EPN	19	12	54.5	0.8	1.0	
	-EPZ	19	12	56.1	1.0	0.5	
	20	-EPN	06	20	38.0	0.6	0.6
		-EPZ	06	20	39.0	1.0	0.5
		+EPN	03	21	25.2	0.7	1.0
		+EPZ	03	21	24.0	0.8	0.6
-IPN		14	43	32.0	1.1	2.2	
-IPZ		14	43	31.5	1.2	3.0	
+IXN		14	45	02.5	1.1	2.0	
+IXZ		14	45	03.0	1.2	2.3	
+ISN		14	53	10.7	1.0	1.0	
+ISZ		14	53	09.8	1.2	1.1	
21	+EPN	19	33	47.0	1.0	1.2	
	+EPZ	19	33	46.5	0.6	0.5	
	-EPN	20	10	02.3	0.6	1.5	
	-EPZ	20	10	02.0	0.4	0.4	
	+IPN	21	32	31.0	1.0	4.0	
	+IPZ	21	32	30.6	1.0	3.8	
	+IPN	21	45	01.2	2.0	0.7	
	-IPZ	21	45	01.0	1.8	2.0	
	-EPE	20	13	13.0	1.0	1.5	
	+EPN	20	13	14.3	0.6	1.1	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
MAY 21	+EPZ	20	13	13.9	0.6	0.5	
	+EPE	06	59	22.5	1.1	1.3	
22	-EPN	06	59	18.5	0.6	1.1	
	-EPZ	06	59	18.7	0.3	0.5	
	+EPE	07	02	49.0	0.9	0.7	
	+EPN	07	02	49.0	1.0	2.1	
	+EPZ	07	02	49.0	1.0	0.8	
	-IPE	07	21	40.0	1.0	1.5	
	+IPN	07	21	39.5	1.0	2.0	
	+IPZ	07	21	39.9	1.0	1.0	
	-EPE	12	52	02.0	1.0	1.5	
	+EPN	12	52	01.3	0.8	1.0	
	+EPZ	12	52	04.0	1.3	1.7	
	23	-EPE	10	56	07.5	1.5	1.0
		+EPN	10	56	09.0	0.7	0.5
		+EPZ	10	56	10.0	1.2	0.5
		-EPE	16	29	44.0	1.3	2.0
		-EPN	16	29	44.0	1.0	1.0
+EPZ		16	29	45.5	0.7	0.6	
LP+ESE		16	30	07.5	16.9	5.5	
LP+ESZ		16	29	50.6	16.9	3.0	
+EPE		17	24	23.1	1.0	1.6	
+EPN		17	24	23.6	1.1	1.0	
24	+EPZ	17	24	23.8	0.8	0.5	
	-EPE	01	36	25.8	2.1	1.0	
	+EPN	01	36	25.5	1.1	1.1	
	-EPZ	01	36	25.0	1.7	2.0	
25	LP+LRZ	02	42	39.4	19.7	3.5	
	+EPE	00	02	31.5	0.6	0.6	
	+EPN	00	02	33.0	1.0	3.0	
	+EPZ	00	02	31.7	1.0	1.4	
	+IPE	00	22	53.0	1.3	3.0	
	+EPN	00	22	52.3	1.0	2.0	
	-IPZ	00	22	52.2	1.2	4.0	
	+IPE	01	47	59.4	1.1	3.5	
	-IPN	01	47	59.3	1.0	5.5	
	-IPZ	01	47	59.2	1.0	2.0	
	+LPE	03	05	54.0	1.0	1.0	
	+EPN	03	05	54.2	1.0	1.0	
+EPZ	03	05	56.0	0.5	1.0		

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
MAY 26	-EPE	04	26	02.0	0.5	0.8
	+EPN	04	26	03.5	1.0	1.0
	+EPZ	04	26	03.5	0.6	0.5
	+EPE	06	15	05.2	0.4	1.0
	+EPN	06	15	05.5	0.5	1.0
	+EPZ	06	15	05.2	0.3	0.2
	LP-EPE	09	26	46.9	16.9	8.5
	LP+IPZ	09	26	43.1	16.9	25.5
	-EPE	09	30	06.8	1.7	2.7
	-EPN	09	30	05.0	1.5	2.0
	-EPZ	09	30	05.3	2.1	3.0
	LP-PPE	09	30	05.6	11.3	6.0
	LP+PPZ	09	30	01.9	14.1	8.0
	-EXE	09	31	12.0	2.2	8.0
	+EXN	09	31	12.2	1.8	4.5
	-EXZ	09	31	07.0	2.0	4.0
	LP+PPPE	09	31	15.0	18.8	30.5
	LP+PPPN	09	31	18.8	7.5	4.5
	LP+PPPZ	09	31	15.0	19.7	70.0
	LP+PSE	09	40	54.4	20.6	120.0
	LP+PSN	09	40	58.1	20.6	34.0
	LP+PSZ	09	40	56.3	16.9	84.0
	-EXE	09	41	26.0	2.0	6.0
	+EXN	09	41	26.0	2.0	4.5
	+EXZ	09	41	25.1	2.0	4.0
	LP+SSE	09	47	28.1	31.9	170.0
	LP+SSN	09	47	22.5	22.5	59.0
	LP+SSZ	09	47	27.2	14.1	92.0
	LP-LQE	09	58	20.6	16.9	65.5
	LP-LQN	09	58	07.5	33.8	19.0
LP-LRZ	10	03	35.6	19.7	110.0	
+EPE	12	11	36.0	0.9	1.0	
-EPN	12	11	38.8	0.6	1.0	
-EPZ	12	11	38.0	0.7	0.8	
+EPE	14	12	19.8	0.8	1.0	
+IPN	14	12	18.1	0.6	1.0	
-EPZ	14	12	18.0	0.8	0.5	
27	+IPE	10	31	20.0	1.5	7.0
	+IPN	10	31	21.4	1.1	2.0
	+IPZ	10	31	19.5	1.5	3.5

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
MAY 27	+ESE	10	41	39.8	2.5	7.0	
	+ESN	10	41	39.0	1.9	3.0	
	-ESZ	10	41	42.0	2.1	2.0	
	LP+ESE	10	41	41.3	11.3	2.5	
	LP-LRE	11	04	13.1	23.4	3.0	
	LP+LRZ	11	04	11.3	22.5	5.0	
	28	-IPE	14	07	58.7	1.0	4.0
		-IPN	14	07	58.7	1.0	2.0
		-IPZ	14	07	58.0	1.5	4.0
	29	LP+LRZ	14	34	40.3	18.8	6.0
		-EPE	05	46	50.0	1.2	1.0
		+EPN	05	46	49.0	1.0	0.8
+EPZ		05	46	49.9	0.5	0.3	
-IPE		06	53	44.2	1.3	2.0	
-IPN		06	53	43.8	1.1	2.0	
-IPZ		06	53	43.0	0.7	1.5	
+ISE		07	03	07.5	2.3	3.5	
+ESN		07	03	07.5	1.3	1.0	
+ESZ		07	03	06.0	1.2	0.5	
30		-EPN	03	53	44.0	0.8	0.6
		+EPZ	03	53	45.0	1.3	1.0
	+IPE	17	54	55.6	1.0	1.8	
	+IPN	17	54	55.2	0.8	0.6	
	+IPZ	17	54	55.6	0.9	1.4	
	+ESE	17	58	07.6	0.9	1.6	
	+ESN	17	58	09.0	1.0	2.0	
	+ESZ	17	58	07.6	1.0	1.4	
	+EPE	20	14	45.0	1.2	3.2	
	-EPN	20	14	45.0	1.2	1.2	
	+EPZ	20	14	45.0	1.4	3.3	
	+EPE	21	32	22.1	0.7	1.0	
31	-EPN	21	32	20.9	0.9	1.5	
	+EPZ	21	32	22.1	0.9	1.0	
	+EPE	01	46	40.0	1.0	1.5	
	+EPN	01	46	40.4	0.6	0.6	
	+EPZ	01	46	41.2	0.5	0.5	
	-EPE	21	49	35.9	1.0	3.5	
	-EPN	21	49	36.5	0.7	1.2	
	+EPZ	21	49	35.7	0.7	0.6	
	-IPE	22	20	13.7	1.2	6.0	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
MAY 31	-IPN	22	20	13.7	1.0	2.2	
	-IPZ	22	20	13.9	1.5	1.5	
	-EPE	23	52	31.4	1.0	3.0	
	-EPN	23	52	31.4	1.0	1.2	
	-EPZ	23	52	30.6	0.8	0.5	
JUN 01	-EPE	01	02	42.8	0.5	2.0	
	-EPN	01	02	43.8	0.6	0.6	
	+EPZ	01	02	43.7	0.8	0.5	
	-EPE	03	27	29.5	1.0	2.1	
	+EPN	03	27	29.8	0.7	1.5	
	+EPZ	03	27	30.7	1.0	0.6	
	-EPE	21	03	51.6	0.6	1.1	
	+EPN	21	03	50.9	0.6	0.6	
	-EPZ	21	03	50.4	0.6	0.6	
	+IPE	23	59	13.7	0.8	1.0	
	-IPN	23	59	11.9	1.1	1.5	
	-IPZ	23	59	12.4	0.6	0.5	
	02	-ESE	00	01	02.1	1.1	4.0
		-ESN	00	01	01.0	1.0	4.4
		+ESZ	00	01	02.4	1.0	4.5
03	LP+LRZ	20	20	48.6	16.9	9.5	
	-IPE	02	15	08.3	1.1	2.0	
	+IPN	02	15	08.1	1.5	3.2	
	-IPZ	02	15	08.6	0.6	1.4	
	+ISE	02	18	08.7	0.6	2.8	
	+ISN	02	18	09.2	0.6	3.0	
	+ISZ	02	18	09.3	0.6	1.3	
	+EPE	02	32	04.5	0.6	0.6	
	-EPN	02	32	04.0	1.0	0.7	
	-EPZ	02	32	04.5	1.0	0.6	
	+EPE	03	30	21.5	0.6	1.0	
	+EPN	03	30	20.5	0.5	1.0	
04	+EPZ	03	30	21.0	0.3	0.5	
	-IPE	14	39	40.2	1.1	2.0	
	-IPN	14	39	40.0	1.1	3.2	
	+IPZ	14	39	40.0	1.2	8.0	
	+ESE	14	43	18.2	0.6	1.1	
	+ESN	14	43	19.0	0.8	1.0	
	+ESZ	14	43	19.0	0.6	0.5	
	-IPE	14	59	39.7	1.1	2.0	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
JUN 03	-IPN	14	59	39.2	1.1	3.0	
	+IPZ	14	59	39.4	1.2	6.5	
05	+IPE	03	45	22.5	0.7	0.8	
	+IPN	03	45	22.5	1.0	1.2	
	+EPZ	03	45	21.5	0.7	0.6	
	-EPE	13	52	18.3	1.0	0.8	
	+EPN	13	52	20.3	0.7	0.6	
	+EPZ	13	52	21.8	1.0	0.5	
	+EPE	14	43	03.9	0.9	3.0	
	+EPN	14	43	03.4	1.0	1.6	
	-EPZ	14	43	03.9	1.0	3.5	
	+IPE	20	41	33.4	1.2	3.7	
	+IPN	20	41	33.6	1.1	2.1	
	+IPZ	20	41	33.0	1.0	2.5	
	+ISE	20	51	26.2	4.0	7.8	
	-ISN	20	51	26.2	3.7	3.8	
06	-IPE	01	20	16.1	1.0	5.5	
	+IPN	01	20	16.2	0.8	6.0	
	-IPZ	01	20	16.2	1.0	10.0	
	-ESE	01	29	37.9	2.0	2.8	
	+ISN	01	29	37.4	1.2	1.0	
	+ESZ	01	29	36.7	1.1	0.6	
	+IPE	05	32	08.7	1.5	3.0	
	+IPN	05	32	09.0	0.9	0.8	
	+IPZ	05	32	08.7	1.3	3.0	
	+ISE	05	35	54.7	1.7	2.0	
	+ESN	05	35	55.5	1.2	0.7	
	+ISZ	05	35	54.7	1.6	1.6	
	07	+EPE	09	36	21.6	1.0	0.6
		-EPN	09	36	19.1	0.8	0.8
08	+EPZ	09	36	12.5	1.0	0.6	
	-EPE	04	46	21.5	1.1	1.1	
10	-IPN	04	46	21.5	1.0	0.7	
	+EPZ	04	46	21.4	1.6	1.2	
	+EPE	20	33	25.5	0.8	0.8	
	+EPN	20	33	25.4	0.8	0.6	
	+EPZ	20	33	27.3	0.7	0.5	
	+IPE	09	12	12.4	0.8	1.0	
	+IPN	09	12	12.2	1.0	2.0	
	-IPZ	09	12	12.2	1.2	4.5	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
JUN 10	+IXE	09	14	22.6	1.2	1.3	
	-EXN	09	14	22.7	0.8	0.8	
	-EXZ	09	14	21.9	1.0	1.5	
	+ESE	09	21	43.2	1.2	2.1	
	-ISN	09	21	43.5	2.0	2.0	
	+ESZ	09	21	44.2	1.3	0.5	
	-IPE	10	22	03.2	1.1	5.5	
	+IPN	10	22	03.2	1.0	6.0	
	-IPZ	10	22	03.2	1.2	7.0	
	+EPE	11	15	06.7	1.2	1.5	
	+EPN	11	15	07.4	1.1	1.5	
	+EPZ	11	15	07.1	0.8	0.5	
	11	+EPE	14	06	54.2	1.0	0.6
+EPN		14	06	54.2	1.2	0.5	
-EPZ		14	06	53.2	1.1	0.5	
LP+EPZ		14	07	01.0	23.1	3.5	
LP+EXE		14	10	29.2	20.6	6.5	
+EPE		03	25	24.9	1.0	1.0	
-EPN		03	25	23.1	1.0	0.6	
+EPZ		03	25	23.1	1.0	0.6	
12		+EPE	01	05	07.1	0.6	1.0
		-EPN	01	05	06.6	0.5	0.8
		+EPZ	01	05	06.6	0.4	0.5
		-EPE	05	23	21.4	1.0	0.6
		-EPN	05	23	20.8	0.8	1.5
	+EPZ	05	23	23.6	0.7	0.2	
	-EPE	18	20	35.3	0.7	1.0	
	+EPN	18	20	35.2	1.1	1.2	
	-EPZ	18	20	35.0	1.0	0.6	
	+EPE	18	40	16.0	0.8	0.8	
	-EPN	18	40	17.0	0.8	0.8	
	13	LP+LRZ	06	58	51.7	17.5	2.0
		-EPE	18	27	35.9	1.1	1.0
-EPN		18	27	37.7	1.2	0.6	
+EPZ		18	27	35.1	1.3	1.7	
LP-EPZ		18	27	35.5	11.3	2.5	
+ESE		18	30	18.9	1.8	1.9	
+ESN		18	30	19.6	1.1	0.7	
+ESZ		18	30	15.9	1.8	0.8	
LP+EPPE		18	31	10.2	13.1	4.5	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
JUN 13	LP+EPPN	18	31	10.2	13.1	1.5	
	LP+EPPZ	18	31	05.5	13.1	3.0	
	LP-PPSE	18	42	37.4	14.1	4.0	
	LP-PPSZ	18	42	35.5	17.8	4.0	
	LP-ESSE	18	48	56.2	15.9	2.5	
	LP+ISSN	18	48	09.3	16.9	6.0	
	LP+ESSZ	18	48	52.4	16.9	3.5	
	-EPE	23	15	27.0	1.0	0.8	
	+EPN	23	15	27.3	1.2	1.2	
	+EPZ	23	15	27.3	1.1	0.7	
	14	-EPE	04	18	08.8	0.7	0.6
		+EPN	04	18	08.8	1.0	1.0
		-EPZ	04	18	07.9	1.0	1.5
+IPE		04	24	19.9	1.8	4.5	
-IPN		04	24	19.9	1.4	5.0	
+IPZ		04	24	19.9	1.6	6.5	
+ESE		04	34	03.9	1.4	2.0	
-ESN		04	34	02.2	1.7	1.6	
+ESZ		04	34	02.9	1.2	0.6	
-IPE		04	56	30.9	0.7	1.0	
-IPN		04	56	30.9	1.5	4.0	
-IPZ		04	56	30.9	1.5	1.5	
-EPE		04	59	31.1	0.8	1.5	
+EPN		04	59	29.4	0.7	0.7	
+EPZ		04	59	30.1	0.7	0.5	
LP+EXE		04	59	07.5	18.8	1.5	
LP+EXZ		04	59	11.0	17.5	3.5	
-IPE		10	51	02.9	1.0	0.6	
-IPN		10	51	02.9	0.8	0.7	
+IPZ		10	51	03.1	1.0	1.1	
-ESE		10	59	47.9	2.3	2.5	
+ESN	10	59	49.4	1.8	0.8		
+ESZ	10	59	46.9	1.7	0.5		
LP-EPZ	19	24	30.0	11.3	1.0		
LP EPE	21	51	58.1				
LP EPZ	21	51	58.1				
LP EPPE	21	52	44.9				
LP+ESN	21	56	56.2	13.1	1.5		
LP+ESE	21	56	05.5	11.2	1.5		
LP+ESZ	21	57	16.8	9.4	1.0		

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
JUN 14	LP+LGN	22	00	33.7	15.0	4.5	
	LP+LRE	22	01	42.4	14.8	5.0	
	LP-LRN	22	01	27.6	14.8	8.0	
	LP-LRZ	22	01	25.7	17.5	7.0	
	+IPE	23	55	35.5	2.0	2.4	
	+EPN	23	55	36.9	1.0	1.0	
	-IPZ	23	55	35.4	1.2	3.0	
	+ESE	23	58	52.9	1.6	0.7	
	+ISN	23	58	52.2	1.8	1.0	
	+ESZ	23	58	53.1	2.0	0.5	
	15	+EPE	00	38	49.9	0.6	0.3
		+EPN	00	38	50.4	1.4	0.7
		+EPZ	00	38	50.4	1.5	0.6
LP-EPZ		00	38	55.2	9.2	1.5	
+EPPE		00	42	23.1	1.1	1.0	
+EPPN		00	42	24.8	1.2	1.0	
+EPPZ		00	42	23.9	3.1	1.3	
LP+EPPE		00	42	31.8	11.3	3.5	
LP-PSZ		00	51	46.7	15.0	2.0	
LP-PPSZ		00	53	58.0	16.9	3.5	
LP+LRZ		05	40	11.2	20.6	4.5	
+EPE		22	24	15.3	1.0	1.0	
+EPN		22	24	15.6	1.0	1.0	
16	-EPE	22	48	37.6	1.5	1.5	
	+EPN	22	48	36.8	1.7	1.0	
	+EPZ	22	48	38.4	1.7	2.5	
	LP EPZ	22	48	39.8			
	LP EPPE	22	52	22.0			
	LP+EPPZ	22	52	22.0	8.3	2.0	
	LP-ESE	22	59	33.6	15.0	2.5	
	LP-ESN	22	59	50.4	14.1	4.5	
	LP+ESZ	22	59	11.1	10.3	2.0	
	LP+PSE	23	00	26.1	13.1	4.5	
	LP+LRZ	23	19	34.5	20.6	6.0	
	+EPE	03	05	24.5	1.3	1.6	
	+EPN	03	05	23.3	0.9	0.5	
+EPZ	03	05	24.7	1.0	1.0		
18	-IPE	16	45	06.0	2.0	16.0	
	+IPN	16	45	05.9	1.7	8.5	
	+IPZ	16	45	04.7	2.0	4.0	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
JUN 18	-ESE	16	55	28.0	1.0	1.0
	+ESN	16	55	30.9	1.2	0.5
	+ESZ	16	55	32.2	1.8	0.5
19	+IPE	13	19	40.5	1.1	0.9
	+IPN	13	19	40.2	1.2	1.5
	+IPZ	13	19	39.9	1.6	6.0
20	+EPE	07	55	20.7	1.0	1.0
	-EPN	07	55	20.7	1.0	1.0
	-EPZ	07	55	20.7	1.0	1.0
21	+EPE	08	02	01.6	1.0	0.6
	-EPN	08	02	01.7	1.2	0.6
	-EPZ	08	02	01.8	0.8	0.5
22	-IPKPE	02	42	52.6	1.0	1.3
	-EPKPN	02	42	52.8	0.8	0.7
	+IPKPZ	02	42	51.6	1.3	1.8
	LP-EPZ	02	44	46.5	9.4	1.5
	LP-PPSE	02	54	26.4	13.8	3.5
	LP-LRZ	03	31	27.3	22.2	4.0
	+IPE	04	44	41.6	1.3	1.0
	+EPN	04	44	41.2	1.1	0.9
	+IPZ	04	44	41.6	1.5	1.4
	+EPE	23	03	32.3	1.1	0.7
24	-EPN	23	03	30.6	1.2	0.8
	-EPZ	23	03	30.6	0.8	0.6
	LP+LRZ	23	50	35.1	18.8	1.5
	-EPE	00	21	44.4	1.2	2.0
	-EPN	00	21	43.3	1.0	1.0
	-EPZ	00	21	43.7	1.1	2.0
	-IPE	21	28	06.3	1.3	2.0
	+IPN	21	28	06.0	1.2	2.5
	+IPZ	21	28	05.5	1.2	2.5
	+ESE	21	29	55.0	1.5	3.5
25	-ESN	21	29	55.1	0.6	1.0
	+ESZ	21	29	55.0	0.5	0.5
	-EPE	00	24	28.0	1.0	1.0
	-EPN	00	24	27.4	1.0	1.5
	+EPZ	00	24	27.0	0.8	0.5
26	-IPE	12	49	39.9	1.1	5.0
	-IPN	12	49	39.9	1.5	4.4
	+IPZ	12	49	39.9	2.2	18.0

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
JUN 26	+ESE	12	52	58.5	1.5	1.6	
	+ESN	12	52	57.0	1.3	1.5	
	+ESZ	12	52	57.5	1.2	1.6	
28	+EPE	04	29	38.5	1.5	1.6	
	-EPN	04	29	38.3	1.2	1.7	
	+EPZ	04	29	38.3	1.2	2.0	
	+ESE	04	30	27.4	1.1	1.3	
	+ESN	04	30	29.0	1.2	2.0	
	+ESZ	04	30	28.5	1.3	1.1	
	29	-IPE	10	55	59.3	2.0	14.0
		+IPN	10	55	59.3	1.4	2.0
		+IPZ	10	55	58.5	1.2	2.0
		-EXE	10	57	41.0	1.6	3.5
+EXN		10	57	41.1	0.7	2.0	
+EXZ		10	57	41.0	1.7	3.0	
LP-EXE		10	57	54.4	9.4	6.0	
LP-EXN		10	57	50.9	7.3	3.0	
LP+ISE		10	59	18.8	9.4	14.5	
LP+ISN		10	59	16.9	10.3	9.0	
30	+ESE	11	02	07.3	3.0	16.0	
	-IPN	11	02	08.8	2.0	11.7	
	+ESZ	11	02	10.2	1.2	1.5	
	-EPE	09	03	27.1	0.7	0.8	
	-EPN	09	03	28.0	0.7	0.7	
	+EPZ	09	03	26.4	0.7	1.5	
	+IPE	10	45	16.0	1.0	0.6	
	-IPN	10	45	16.0	1.2	1.2	
	+IPZ	10	45	16.0	1.2	1.5	
	-EPE	18	14	12.0	1.0	0.6	
29	-EPN	18	14	12.0	0.8	0.6	
	+IPZ	18	14	12.0	1.2	1.5	
	+EPE	22	09	45.9	0.9	2.5	
	+EPN	22	09	45.3	1.0	1.0	
	+EPZ	22	09	45.4	1.0	0.6	
	+EPE	22	46	14.8	1.0	4.5	
	+EPN	22	46	14.8	0.7	0.9	
	+EPZ	22	46	14.6	1.0	1.0	
	-EPE	23	27	16.7	0.8	1.0	
	-EPN	23	27	17.5	0.9	0.6	
+EPZ	23	27	17.2	1.0	0.6		

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
JUN 30	+EPE	23	37	27.0	1.0	1.0	
	-EPN	23	37	28.0	1.0	1.4	
01	+EPZ	23	37	28.0	1.0	0.5	
	+IPE	12	22	11.7	1.0	1.5	
	-IPN	12	22	11.3	0.9	2.0	
	-IPZ	12	22	11.2	0.8	2.0	
	+EPE	12	45	56.8	0.8	1.7	
	-EPN	12	45	56.5	0.8	1.0	
	+EPZ	12	45	53.8	0.6	0.8	
	-EPE	13	00	21.0	1.0	1.0	
	+EPN	13	00	22.0	1.0	1.0	
	+EPZ	13	00	23.0	0.6	0.4	
	+EPE	15	06	16.0	1.0	1.1	
	+EPN	15	06	16.8	0.6	1.0	
	-EPZ	15	06	19.4	0.6	1.0	
	+EPE	16	48	49.8	1.0	1.0	
	+EPN	16	48	48.7	0.5	1.0	
	02	-EPE	14	30	48.0	0.4	11.0
-IPN		14	30	46.5	0.6	2.5	
-IPZ		14	30	46.5	0.6	1.0	
-ESE		14	31	29.9	1.3	15.0	
-ESN		14	31	30.0	0.3	6.0	
+ESZ		14	31	30.0	0.4	5.5	
+IPE		15	53	15.0	0.6	0.8	
-IPN		15	53	15.7	0.6	1.5	
+IPZ		15	53	16.0	1.2	0.8	
03		-EPE	01	06	29.1	1.4	0.6
		+EPN	01	06	28.9	1.0	0.6
04		+EPZ	01	06	28.2	1.0	0.6
	+EPE	09	54	54.0	1.4	1.3	
	-EPN	09	54	55.0	0.4	0.6	
	-EPZ	09	54	55.0	1.0	0.4	
	+EPE	10	20	32.5	1.0	0.5	
	-EPN	10	20	33.8	1.0	0.6	
	+EPZ	10	20	42.0	1.0	0.5	
	-EPE	11	38	09.9	1.4	1.1	
	+EPN	11	38	09.9	0.8	0.6	
	-IPZ	11	38	09.8	2.3	2.0	
	LP-LRZ	12	14	24.4	19.7	3.5	
	+EPE	16	15	40.0	0.6	1.1	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
JUL 04	-EPN	16	15	40.0	0.7	0.7
	+EPZ	16	15	49.0	1.1	0.5
	-EPE	17	41	24.0	0.7	0.8
	+EPN	17	41	24.9	0.5	0.5
	+EPZ	17	41	23.3	1.0	0.6
	+IPE	20	52	07.4	1.2	5.0
	-IPN	20	52	09.0	0.6	0.7
	+IPZ	20	52	07.4	1.5	6.0
	+ESE	21	01	54.0	2.9	2.0
	-ESN	21	01	55.5	2.5	1.7
	-ESZ	21	01	55.0	1.8	0.5
	05	+EPE	19	42	34.9	1.5
+EPN		19	42	35.9	0.8	0.8
+EPZ		19	42	34.9	0.8	0.5
-EPE		20	27	42.2	0.5	1.5
-EPN		20	27	43.6	1.0	1.7
-EPZ		20	27	43.7	0.4	0.4
-EPE		21	14	21.0	0.9	0.7
-EPN		21	14	21.5	0.5	1.0
+EPZ		21	14	21.0	1.0	0.2
-EPE		21	32	17.0	0.7	1.5
+EPN		21	32	16.3	0.6	0.5
+EPZ		21	32	17.0	0.8	0.5
06	-EPE	13	55	07.8	1.0	2.0
	-EPN	13	55	08.8	1.0	1.7
	-EPZ	13	55	07.4	0.8	0.6
	-EPE	19	58	19.8	0.8	1.5
	+EPN	19	58	20.5	0.7	1.3
	+EPZ	19	58	21.5	0.8	1.0
	+EPE	20	46	16.8	1.0	0.8
	-EPN	20	46	16.8	0.3	0.8
	-EPZ	20	46	17.0	1.0	0.2
	+EPE	21	51	13.5	1.0	1.3
	-EPN	21	51	13.0	0.7	0.7
	+EPZ	21	51	13.9	0.4	0.5
07	-EPE	03	13	27.0	1.0	0.7
	+EPN	03	13	26.7	0.5	0.5
	-EPZ	03	13	26.0	0.1	0.3
	+EPE	06	57	21.5	1.2	2.0
	+EPN	06	57	20.7	1.2	1.1

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
JUL 07	+EPZ	06	57	20.2	0.8	0.5	
	+EPE	10	11	10.5	1.0	1.0	
	+EPN	10	11	10.0	0.9	0.6	
	+EPZ	10	11	10.9	0.8	0.6	
	-EPE	19	06	51.0	1.0	1.3	
	-EPN	19	06	51.0	1.0	0.6	
	+EPE	19	48	31.4	1.7	4.0	
	-EPN	19	48	32.0	1.0	0.6	
	+EPZ	19	48	31.0	2.2	3.5	
	+EPE	21	05	37.5	0.5	1.5	
	-EPN	21	05	36.8	0.6	0.6	
	-EPZ	21	05	37.5	0.7	0.5	
	+EPE	21	42	53.5	2.0	1.5	
	+EPN	21	42	52.0	0.8	0.6	
	+EPZ	21	42	50.0	0.8	0.4	
	08	+IPE	12	18	06.3	1.2	2.6
		-IPN	12	18	06.8	0.8	1.0
		+IPZ	12	18	06.3	1.2	3.5
		LP+EPZ	12	18	09.4	9.4	6.0
		LP-SPZ	12	19	07.5	12.2	6.5
LP-PPZ		12	22	26.3	9.4	6.5	
+ESE		12	28	32.3	2.0	2.5	
-ESN		12	28	31.8	1.2	2.0	
+ESZ		12	28	32.1	2.6	3.0	
LP-SKSE		12	28	35.6	12.2	18.0	
LP-SKSN		12	28	31.9	12.2	25.0	
LP+SXSZ		12	28	27.2	15.0	11.5	
LP-ISE		12	29	30.0	13.1	20.0	
LP-ISN		12	29	29.1	12.2	34.0	
LP+ISZ		12	29	28.1	15.9	8.5	
LP+IPSN		12	31	35.6	11.3	23.0	
LP-IPSZ		12	31	28.1	13.1	39.0	
LP+ESSE		12	35	30.0	12.2	4.5	
LP+ESSN		12	35	35.6	8.4	12.0	
LP+ISSZ		12	35	30.0	13.1	13.0	
+EXE	12	45	31.3	2.2	2.5		
-EXN	12	45	31.8	1.5	1.0		
+EXZ	12	45	33.0	1.2	0.3		
LP+LGE	12	45	48.8	22.5	15.0		
LP+LRZ	12	49	28.1	31.9	25.0		

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
JUL 08	+EPE	20	29	42.8	1.0	1.5	
	-EPN	20	29	42.0	1.2	1.0	
	-EPZ	20	29	42.8	0.4	0.4	
	-EPE	20	56	58.0	0.7	1.0	
	-EPN	20	56	58.4	0.8	1.0	
	-EPZ	20	56	58.5	1.0	0.5	
	+EPE	21	41	52.0	0.5	0.5	
	+EPN	21	41	51.9	0.6	0.5	
	+EPZ	21	41	49.0	0.3	0.3	
	-EPE	22	29	36.0	1.0	1.5	
	-EPN	22	29	36.0	1.0	0.6	
	+EPZ	22	29	36.0	1.0	0.5	
	-IPE	23	05	14.5	1.2	1.6	
	+EPN	23	05	11.2	1.0	0.6	
	09	-IPZ	23	05	14.0	1.4	3.5
		+EPE	14	19	16.5	1.0	1.0
		+EPN	14	19	18.2	1.0	0.5
		+EPZ	14	19	17.7	1.2	0.5
		+EPE	20	44	35.0	1.0	2.5
		-EPN	20	44	33.0	0.3	0.5
+EPZ		20	44	35.2	0.7	0.6	
-EPE		22	02	46.9	0.6	0.5	
-EPN		22	02	48.3	0.7	0.7	
+EPZ		22	02	47.8	0.8	0.5	
+EPE		22	41	19.0	1.1	1.0	
-EPN		22	41	20.4	0.6	0.6	
+EPZ		22	41	21.8	0.4	0.5	
+EPE		22	57	18.5	0.6	0.5	
-EPN		22	57	18.0	0.5	0.5	
+EPZ		22	57	18.0	1.1	0.4	
+EPE		23	55	26.7	0.5	0.5	
-EPN		23	55	26.8	0.7	0.5	
+EPZ		23	55	29.5	0.4	0.5	
10		+IPE	18	42	31.0	2.2	2.0
	-IPN	18	42	32.2	1.1	0.8	
	+IPZ	18	42	31.0	2.0	2.0	
	LP+EPE	18	42	35.6	7.5	2.0	
	LP-EPZ	18	42	37.5	14.0	5.5	
	LP-IPPE	18	43	05.6	11.2	6.5	
	LP-EPPN	18	43	05.6	9.4	2.5	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
JUL 10	LP-IPPZ	18	43	04.7	11.2	21.5
	LP+EPPE	18	46	49.8	9.4	5.5
	LP+IPPZ	18	46	41.5	18.7	17.5
	+ESE	18	52	59.0	3.0	7.9
	-ESN	18	52	58.0	2.0	1.8
	+ESZ	18	52	58.0	1.8	1.2
	LP+SKSE	18	53	28.1	11.2	46.5
	LP+SASN	18	53	30.0	10.3	15.0
	LP+ESE	18	55	03.7	18.7	17.5
	LP+ISZ	18	55	01.9	18.7	29.5
	LP+SPN	18	56	20.6	10.3	9.0
	LP-SPZ	18	56	16.8	13.1	19.0
	LP-LRE	19	16	22.5	26.1	35.0
	LP+LRN	19	16	36.9	25.8	17.0
	LP-LRZ	19	16	25.8	26.7	68.0
	+EPE	20	36	40.0	0.8	1.5
	+EPN	20	36	40.0	0.8	1.6
	+EPZ	20	36	41.0	1.0	0.8
	+EPE	20	59	00.0	1.0	0.7
	+EPN	20	59	00.0	1.0	0.7
	-EPZ	20	59	00.0	0.6	0.2
	+EPE	21	33	24.7	1.0	1.0
	+EPN	21	33	24.5	1.0	0.5
	-EPZ	21	33	25.0	1.2	0.3
	-EPE	22	31	32.9	1.2	1.4
	+EPN	22	31	33.1	1.2	0.6
	+EPZ	22	31	33.9	0.7	0.5
	+EPE	22	59	43.0	0.7	0.5
	+EPN	22	59	43.0	1.0	0.6
	+EPZ	22	59	42.0	0.6	0.3
	+EPE	23	19	17.0	2.0	2.1
	+EPN	23	19	17.0	0.8	0.5
	-EPZ	23	19	18.5	0.6	0.2
	+EPE	23	28	19.8	1.0	0.8
	-EPN	23	28	20.5	0.6	1.0
	+EPZ	23	28	19.5	1.0	0.8
	+EPE	23	41	38.8	0.7	0.8
	-EPN	23	41	37.0	0.6	0.6
	+EPZ	23	41	40.0	0.7	0.5
	+EPE	23	54	53.0	0.8	0.7

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
JUL 10	+EPN	23	54	54.0	0.8	0.6	
	+EPZ	23	54	52.0	0.9	0.3	
	11	+EPE	00	25	10.0	1.1	2.5
		+EPN	00	25	12.0	0.8	1.0
	+EPZ	00	25	11.5	1.0	0.5	
	-EPE	03	10	57.0	1.8	1.5	
	+EPN	03	10	58.9	1.0	0.6	
	+EPZ	03	10	58.5	0.8	0.4	
	+EPE	05	04	24.7	1.0	1.0	
	+EPN	05	04	42.0	1.0	0.5	
	-EPZ	05	04	25.0	1.2	0.3	
	LP-LRN	07	59	53.5	23.1	5.0	
	LP+LRZ	07	59	50.9	26.3	10.5	
	LP+LRE	07	59	46.9	24.4	2.5	
	+IPE	19	07	24.0	2.1	3.5	
	+IPN	19	07	23.7	2.0	1.3	
	+IPZ	19	07	23.5	2.1	4.1	
	-ESE	19	08	48.9	2.1	3.0	
	+ESN	19	08	47.0	2.0	1.0	
	-ESZ	19	08	48.0	2.1	0.7	
	+EPE	21	28	39.8	1.0	0.8	
	+EPN	21	28	40.0	1.0	0.6	
	-EPZ	21	28	40.0	1.1	0.6	
	+EPE	23	01	35.8	1.0	1.2	
	-EPN	23	01	36.2	1.1	0.9	
	EPZ	23	01	36.0			
	-EPE	23	26	10.0	1.3	1.3	
	+EPN	23	26	08.0	0.8	0.5	
	+EPZ	23	26	08.1	1.1	0.3	
	-EPE	23	51	45.8	0.8	0.7	
	+EPN	23	51	44.0	0.5	0.5	
	+EPZ	23	51	44.3	0.8	0.3	
	12	+EPE	00	49	32.5	1.2	1.5
		+EPN	00	49	29.0	0.7	0.5
		+EPZ	00	49	31.0	0.8	0.3
		-EPE	01	38	08.0	1.0	0.6
		+EPN	01	38	07.8	1.0	0.5
		+EPZ	01	38	05.0	1.3	0.5
		-IPE	06	59	35.0	1.0	14.0
		+IPN	06	59	34.1	1.0	5.0

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
JUL 12	-IPZ	06	59	34.0	1.0	9.0
	+ESE	07	10	28.5	2.5	3.0
	-ESN	07	10	28.2	1.9	3.0
	-ESZ	07	10	29.8	1.2	0.6
	-IPE	17	20	05.8	1.0	0.6
	+IPN	17	20	05.0	0.7	0.8
	-IPZ	17	20	05.7	1.0	1.2
	+IXE	17	21	03.1	1.5	8.4
	+IXN	17	21	04.9	1.1	1.3
	+IXZ	17	21	03.1	1.7	9.5
	-ESE	17	31	05.2	2.7	2.1
	+ESN	17	31	05.0	1.0	0.5
	LP+LRN	17	40	53.5	21.2	4.5
	+IPE	19	16	41.0	0.7	0.5
	-IPN	19	16	41.0	0.8	0.8
	+IPZ	19	16	41.0	1.0	1.2
	-ESE	19	26	35.0	1.2	2.2
	-ESN	19	26	34.1	1.0	0.3
	+ESZ	19	26	35.0	1.1	0.5
	13	LP+LRN	19	47	16.9	16.9
-EPE		14	04	31.4	1.1	1.5
-EPN		14	04	30.0	1.0	0.7
+EPZ		14	04	31.3	1.0	1.1
-EPE		23	15	20.5	0.9	1.0
-EPN		23	15	21.0	0.6	0.5
+EPZ		23	15	19.0	1.2	0.5
14		+IPE	14	54	46.0	1.0
	+EPN	14	54	46.9	0.6	0.5
	-EPZ	14	54	45.9	1.4	1.0
	+ESE	14	58	08.9	0.9	1.2
	+ESN	14	58	06.9	0.8	0.6
	+ESZ	14	58	08.9	1.0	0.5
	LP-LRE	15	35	39.4	16.8	2.5
	LP-LRN	15	35	37.5	16.8	2.5
	LP+LRZ	15	35	35.6	17.8	8.0
	+EPE	21	40	40.1	1.1	0.6
	+EPN	21	40	39.5	1.0	0.6
	+EPZ	21	40	39.5	0.8	0.3
+IPE	23	34	47.5	1.1	1.2	
-IPN	23	34	48.2	1.6	1.0	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
JUL 14	+IPZ	23	34	47.8	1.0	0.8
	LP+EPPE	23	34	51.0	7.4	1.0
	LP+EPPN	23	34	51.0	8.3	1.5
	LP-EPPZ	23	34	49.1	7.4	3.0
	LP-PCPE	23	36	04.8	9.2	2.5
	LP-PCPN	23	36	03.1	9.5	3.0
	LP-PCPZ	23	36	03.0	9.2	4.0
	+ISE	23	40	23.0	6.2	3.5
	+ISN	23	40	19.5	2.0	0.8
	+ISZ	23	40	23.3	1.1	0.5
	LP+ISE	23	40	23.3	11.1	19.0
	LP+ISN	23	40	27.0	13.8	13.0
	LP+ESZ	23	40	27.0	9.2	6.5
	LP+ISSE	23	42	34.4	12.0	12.0
	LP-ISSN	23	42	32.5	13.8	24.5
	LP-ISSZ	23	42	33.4	15.7	21.5
	LP-LRE	23	45	38.0	15.7	33.0
	LP+LRN	23	45	18.0	18.7	23.0
	LP+LRZ	23	45	19.6	22.1	30.5
	15	+EPE	14	11	20.5	1.0
+EPN		14	11	21.0	1.0	0.4
16	+EPZ	14	11	21.0	1.0	0.3
	-EPE	14	45	19.6	1.4	1.0
	+EPN	14	45	20.6	0.9	0.4
	+EPZ	14	45	20.5	1.0	0.2
	-EPE	09	35	44.9	1.0	0.9
	+EPN	09	35	42.9	1.0	0.3
	+EPZ	09	35	45.9	1.0	0.2
	-EPE	12	39	01.7	0.8	0.3
	+EPN	12	39	02.4	0.7	0.6
	+EPZ	12	39	04.6	0.3	0.2
	+IPE	17	29	31.5	1.8	1.1
	+IPN	17	29	32.3	1.2	1.1
+IPZ	17	29	31.8	1.8	1.1	
+ESE	17	39	17.8	1.5	1.2	
+ESN	17	39	19.6	2.8	0.9	
+ESZ	17	39	19.7	0.9	1.0	
LP-EPZ	18	30	16.2	9.4	3.0	
+EPE	18	36	03.7	1.0	0.8	
+EPN	18	36	04.1	1.1	0.7	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
JUL 16	+EPZ	18	36	02.5	1.0	0.3	
	LP+ISE	18	39	25.7	13.6	10.5	
	-IPE	18	50	14.3	0.7	0.5	
	+IPN	18	50	14.2	1.8	1.3	
	-IPZ	18	50	14.2	1.0	1.0	
	LP+LRE	18	59	23.7	23.4	5.5	
	LP-LRZ	18	59	16.2	25.3	8.5	
	-ESE	19	00	02.2	3.0	1.8	
	+ESN	19	00	02.4	1.0	0.5	
	ESZ	19	00	02.7			
	LP+ISE	20	00	06.7	10.3	5.5	
	LP+ESN	20	00	02.9	13.1	5.5	
	LP-ESZ	20	00	04.8	15.0	2.5	
	LP+LRZ	20	20	04.7	24.0	3.0	
	-EPE	21	44	15.9	1.1	0.6	
	+EPN	21	44	17.1	0.8	0.3	
	-EPZ	21	44	18.1	1.2	0.6	
	17	+EPE	02	29	47.8	1.0	0.8
		+EPN	02	29	50.6	1.1	0.8
		+EPZ	02	29	51.6	1.0	0.3
-EPE		08	02	38.4	0.3	0.5	
+EPN		08	02	37.4	1.0	0.5	
+EPZ		08	02	36.9	1.0	0.5	
+EPE		10	44	52.8	0.9	0.3	
+EPN		10	44	52.0	1.0	0.5	
+EPZ		10	44	51.8	1.0	0.2	
+IPE		11	06	57.5	1.1	1.5	
+IPN		11	06	57.7	0.8	0.6	
+IPZ		11	06	57.5	0.6	0.4	
+ESE		11	08	01.8	1.0	3.0	
+ESN		11	08	01.9	1.0	2.5	
+ESZ		11	08	01.6	0.8	1.5	
+EPE		15	11	19.5	1.0	0.6	
+EPN		15	11	19.3	1.0	0.6	
EPZ		15	11	19.0			
+EPE		19	15	05.0	1.2	0.6	
-EPN		19	15	08.0	1.0	0.6	
+EPZ	19	15	05.0	1.5	0.6		
18	+EPE	00	12	46.2	1.2	0.6	
	+EPN	00	12	46.2	1.2	0.6	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
JUL 18	+EPZ	00	12	45.0	0.6	0.3
	+EPE	03	42	28.2	1.0	0.7
	+EPN	03	42	28.8	0.9	0.3
	+EPZ	03	42	31.4	0.8	0.4
	+EPE	10	45	17.0	0.9	0.7
	-EPN	10	45	17.9	1.1	0.6
	+EPZ	10	45	19.0	0.8	0.4
	-ESE	10	49	01.0	0.6	0.6
	+ESN	10	49	00.5	1.0	1.0
	+ESZ	10	49	00.0	0.6	0.4
	+EXE	10	53	54.5	1.1	1.5
	-EXN	10	53	55.0	1.0	1.1
	+EXZ	10	53	55.0	0.4	0.5
	+EPE	15	51	09.9	1.0	0.8
	-EPN	15	51	10.0	0.7	0.5
	+EPZ	15	51	09.4	0.8	0.3
	+EPE	21	37	21.0	1.0	0.6
	+EPN	21	37	21.2	1.0	0.5
	+EPZ	21	37	19.3	0.8	0.3
	19	+EPE	03	36	07.8	1.0
+EPN		03	36	09.3	1.0	0.5
+EPZ		03	36	09.0	1.0	0.5
-EPE		08	15	37.0	0.9	0.8
-EPN		08	15	36.0	1.0	0.6
+EPZ		08	15	33.0	1.8	0.6
-EPE		18	22	06.8	1.0	1.5
+EPN		18	22	06.2	1.0	0.7
+EPZ		18	22	07.8	1.0	0.3
-EPE		01	40	13.7	0.8	1.3
20	+EPN	01	40	10.5	0.7	0.5
	+EPZ	01	40	11.0	1.0	0.5
	-EPE	06	09	40.1	1.2	1.2
	+EPN	06	09	40.1	1.0	1.4
	+EPZ	06	09	40.6	1.0	1.5
	-EPE	10	10	11.3	1.0	2.0
	+EPN	10	10	12.7	1.1	1.6
	-EPZ	10	10	12.5	1.1	1.0
	+EPE	10	24	58.7	1.3	1.6
	-EPN	10	25	00.0	0.6	1.1
+EPZ	10	25	00.6	0.8	0.5	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
JUL 20	+IPE	20	37	40.0	1.1	1.1
	-IPN	20	37	40.0	1.7	3.8
	-IPZ	20	37	40.0	1.5	2.0
	+IPE	14	50	48.1	1.5	2.3
	+IPN	14	50	48.5	1.0	1.1
	+IPZ	14	50	48.0	1.5	2.0
	LP+IPE	14	50	50.6	14.1	11.5
	LP+EPN	14	50	52.5	14.1	4.5
	LP+IPZ	14	50	50.6	15.0	40.5
	LP-PPE	14	53	43.1	14.1	6.5
	LP+PPN	14	53	43.1	15.0	6.0
	LP-PPZ	14	53	35.6	13.7	10.5
	LP+IXE	14	55	05.6	14.1	24.5
	LP+IXZ	14	55	04.7	15.0	58.0
	+ISE	15	01	17.9	2.3	6.0
	+ISN	15	01	16.5	1.5	2.3
	-ISZ	15	01	15.8	1.0	1.4
	LP+ISN	15	02	02.7	22.1	49.5
	LP-IPSE	15	03	09.2	16.6	95.0
	LP-IPSZ	15	03	05.5	16.6	105.0
	LP+SSZ	15	07	29.5	14.7	42.0
	LP-LRN	15	22	51.5	26.2	69.5
	LP-LRZ	15	22	37.5	43.1	140.0
	+EPE	17	24	03.8	1.0	0.7
	+EPN	17	24	02.1	1.0	0.4
	+EPZ	17	24	02.5	1.0	0.5
	+EXE	17	31	02.5	1.2	1.3
	+EXN	17	31	01.5	1.2	0.6
	-EXZ	17	31	01.7	1.3	1.1
	LP-IPE	20	07	41.8	14.5	10.5
	LP+EPN	20	07	40.1	15.7	3.5
	LP+IPZ	20	07	41.8	15.4	33.0
LP+SKSE	20	18	19.1	16.3	50.5	
LP-SKSN	20	18	20.6	15.0	10.5	
LP-SKSZ	20	18	19.9	16.3	16.0	
LP+ISE	20	20	02.3	18.7	55.5	
LP-ESN	20	20	03.6	13.6	14.0	
LP+ISZ	20	20	02.8	25.3	94.0	
+ESE	20	22	37.0	1.1	1.0	
+ESN	20	22	37.0	1.3	1.2	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
JUL 20	+ESZ	20	22	37.2	1.2	1.0
	LP-LRZ	20	36	46.9	27.2	24.0
21	-EPE	23	41	03.8	2.2	1.5
	+EPN	23	41	03.6	1.0	0.5
	-EPZ	23	41	04.0	1.0	1.0
	+IPE	23	48	27.1	2.0	10.0
	+IPN	23	48	28.0	2.0	4.0
	+IPZ	23	48	27.1	1.9	11.3
	-IPE	00	21	05.3	1.4	2.5
	+EPN	00	21	06.2	1.2	0.6
	+IPZ	00	21	04.2	1.5	2.0
	+IPE	02	17	09.2	1.2	3.8
	-IPN	02	17	09.0	1.2	1.6
	+IPZ	02	17	09.2	1.3	3.0
	LP+EPZ	02	17	07.5	9.4	5.5
	LP-ISKSE	02	27	39.4	13.1	4.5
	LP-ESKSN	02	27	40.3	11.2	2.0
	LP-ISE	02	28	13.1	11.2	15.0
	LP+ESZ	02	28	15.0	13.1	4.0
	LP-IPSE	02	29	24.3	13.1	9.5
LP-IPSZ	02	29	22.5	15.0	11.0	
LP+LRE	02	50	41.2	30.0	8.0	
LP+LRZ	02	50	22.5	31.9	11.5	
+IPE	02	52	04.2	2.1	10.5	
-IPN	02	52	04.6	1.6	1.6	
+IPZ	02	52	04.5	2.1	12.3	
+ISE	03	02	32.1	1.3	3.3	
-ISN	03	02	31.8	2.0	2.9	
-ESZ	03	02	29.8	1.0	0.5	
+EPE	03	37	38.0	0.9	0.7	
+EPN	03	37	38.0	0.5	0.3	
-EPZ	03	37	37.0	1.0	0.5	
+EPE	18	21	27.5	1.8	1.5	
-EPN	18	21	27.0	1.0	1.0	
+EPZ	18	21	25.8	1.2	0.5	
22	+IPE	19	33	21.5	1.7	1.3
	+IPN	19	33	22.0	1.0	0.6
	+IPZ	19	33	21.0	1.8	1.8
21	-EPE	21	07	04.9	1.2	1.1
	+EPN	21	07	04.5	1.1	1.0

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
JUL 21	+EPZ	21	07	04.0	1.0	0.5
22	-EPN	00	05	49.6	0.6	1.2
	-EPZ	00	05	50.0	0.6	1.0
	-EPE	05	03	27.3	1.3	3.0
	-EPN	05	03	27.0	0.6	0.8
	+EPE	07	03	15.3	1.2	1.1
	-EPN	07	03	15.1	0.7	0.6
	-EPZ	07	03	15.7	1.0	0.3
	+EPE	10	38	00.1	0.8	0.6
	+EPN	10	38	02.0	0.7	0.5
	-EPZ	10	38	03.2	1.0	0.2
	+EPE	15	35	50.5	1.1	0.5
	-EPN	15	35	50.0	1.0	0.6
	+EPZ	15	35	51.0	0.8	0.2
	+EPE	18	40	31.2	1.0	1.2
	+EPN	18	40	32.0	0.6	0.5
	+EPZ	18	40	30.7	0.8	0.3
	LP-EPZ	19	33	25.8	14.7	2.5
	LP+EXE	19	44	23.4	12.1	4.5
	LP-ESZ	19	45	35.6	16.9	5.5
	LP-LRN	20	07	52.5	18.8	3.0
	LP+LRZ	20	07	58.1	29.1	4.0
23-24	NO RECORD					
24	+EPE	18	46	58.0	0.8	0.6
	+EPN	18	46	56.9	1.0	0.6
	-EPE	19	22	37.1	0.9	0.6
	+EPN	19	22	37.7	1.0	1.4
	+EPZ	19	22	39.0	0.9	0.3
25	-EPE	04	07	18.6	1.0	1.2
	+EPN	04	07	16.9	1.1	0.8
	+EPZ	04	07	17.1	1.0	0.5
	+EPE	07	49	21.0	1.0	0.9
	+EPN	07	49	19.9	1.0	0.6
	-EPZ	07	49	21.0	0.9	0.5
	-EPE	10	40	48.2	1.2	1.2
	-EPN	10	40	49.0	0.9	0.5
	+EPZ	10	40	47.4	1.2	0.5
	-EPE	13	00	18.0	0.8	0.6
	-EPN	13	00	18.0	0.7	0.6
	+EPZ	13	00	19.0	1.0	0.5

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
JUL 26	+EPE	01	49	28.0	1.5	1.2
	+EPN	01	49	27.3	0.8	0.5
	+EPZ	01	49	28.0	1.2	0.5
	-EPE	09	11	14.8	0.8	1.5
	-EPN	09	11	15.8	1.0	0.6
	+EPZ	09	11	16.9	0.7	0.3
	-EPE	11	14	10.5	1.3	3.5
	+EPN	11	14	10.4	1.1	0.6
	-EPZ	11	14	11.3	2.0	0.6
	-EPE	11	23	46.2	1.7	3.0
	+EPN	11	23	46.2	2.2	0.7
	+EPZ	11	23	46.2	1.0	0.5
	-EPE	16	13	32.0	1.7	1.5
	-EPN	16	13	35.0	1.0	0.8
	+EPZ	16	13	37.5	0.7	0.6
	-EPE	16	21	55.7	0.6	0.6
	+EPN	16	21	55.0	0.9	0.8
	-EPZ	16	21	55.9	0.3	0.3
	+EPE	16	29	06.5	1.0	0.8
	+EPN	16	29	07.0	0.9	0.6
	-EPZ	16	29	06.0	0.6	0.6
	+EPN	17	49	21.9	0.7	0.6
	+EPZ	17	49	22.0	1.0	0.7
	+EPE	21	16	21.0	1.0	0.9
	+EPN	21	16	21.9	1.0	1.2
	+EPZ	21	16	20.4	0.8	0.5
	+EPE	22	15	01.4	1.3	1.7
	+EPN	22	15	01.0	1.3	1.5
	-EPZ	22	15	01.8	1.7	1.0
27	+IPE	01	31	55.0	1.2	1.1
	+EPN	01	31	55.0	1.1	0.5
	+EPE	13	15	59.0	1.2	1.7
	+EPN	13	15	59.7	1.0	1.0
	+EPZ	13	15	58.6	1.0	0.6
	+EPE	15	44	29.1	0.6	0.9
	+EPN	15	44	27.9	0.9	0.4
	+EPZ	15	44	28.1	1.1	0.6
	-EPE	20	49	57.2	0.5	0.6
	-EPN	20	49	55.3	0.7	0.5
	+EPZ	20	49	55.3	1.2	0.5

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
JUL 28	+IPE	03	12	24.9	1.2	1.9	
	-EPN	03	12	23.4	1.0	0.6	
	+IPZ	03	12	23.5	1.4	2.0	
	+IPE	08	58	04.2	1.1	1.0	
	-IPN	08	58	05.9	2.1	1.0	
	+IPZ	08	58	05.7	2.2	3.6	
	LP-LRZ	09	37	22.6	16.9	3.5	
	-EPE	16	44	26.9	0.9	1.0	
	-EPN	16	44	25.5	0.9	1.1	
	+EPZ	16	44	25.8	0.9	0.8	
	+EPE	21	38	13.4	1.1	1.0	
	+EPN	21	38	12.8	1.0	0.4	
	+EPZ	21	38	13.4	1.2	0.7	
	+EPE	22	59	29.2	1.0	0.6	
	+EPN	22	59	31.0	1.0	0.6	
	-EPZ	22	59	32.5	0.6	0.5	
	29	+EPE	08	15	51.0	1.0	0.8
		+EPN	08	15	52.7	1.1	1.0
		+EPZ	08	15	50.8	0.8	0.2
		-EPE	11	51	22.0	1.2	1.0
		+EPN	11	51	22.5	0.6	0.4
		+EPE	15	57	51.0	1.0	0.6
		+EPN	15	57	51.0	0.6	0.6
		EPZ	15	57	50.9		
		-EPE	22	04	02.0	0.8	1.0
		+EPN	22	04	01.1	0.7	0.5
		+EPZ	22	04	01.0	0.6	0.2
		30	-EPE	05	35	31.2	0.5
+EPN	05		35	31.0	1.0	1.0	
+EPZ	05		35	31.9	0.9	0.3	
+IPE	09		29	15.0	1.1	2.0	
+EPN	09		29	15.0	1.4	0.6	
-IPZ	09		29	14.8	1.3	2.0	
-ESE	09		32	45.3	1.7	3.4	
+ESN	09		32	44.8	1.2	0.7	
+ESZ	09		32	45.5	2.0	3.0	
LP-LRE	09		58	09.4	13.1	11.0	
LP-LRN	09		58	12.2	24.4	15.5	
LP-LRZ	09		58	14.0	22.5	5.0	
-EPE	10	09	02.0	1.0	1.0		

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)		
		H	M	S				
JUL 30	+EPN	10	09	02.0	0.8	0.6		
	-EPZ	10	09	02.5	0.8	0.3		
	+EPE	10	35	43.4	1.6	2.0		
	+EPN	10	35	45.8	1.2	0.6		
	-EPZ	10	35	44.2	1.0	2.0		
	+EPE	15	20	10.0	1.1	0.6		
	+EPN	15	20	11.3	1.0	0.7		
	+EPE	16	11	50.3	1.0	0.2		
	-EPN	16	11	50.1	0.8	2.0		
	+EPZ	16	11	49.0	1.2	1.3		
	LP+ESE	16	16	11.2	9.4	1.5		
	LP+ESN	16	16	06.5	13.1	2.5		
	LP+LRN	16	19	30.0	22.5	8.0		
	LP-LRZ	16	19	31.9	23.4	4.5		
	31	LP+LRE	17	18	15.9	18.7	2.0	
		-EPE	20	29	41.1	0.6	1.0	
	30	+EPN	20	29	41.0	0.8	0.6	
		+EPZ	20	29	42.9	0.2	0.4	
		-IPE	20	54	25.0	1.0	1.0	
		-EPN	20	54	25.5	0.6	0.5	
		+EPZ	20	54	25.0	0.9	0.6	
		31	-EPE	01	28	40.2	0.6	0.4
			-EPN	01	28	41.9	1.2	5.0
			-EPE	09	59	10.8	1.2	1.0
			+EPN	09	59	09.0	0.6	0.7
			+EPZ	09	59	10.5	0.9	0.8
	-EPE		12	01	17.4	1.2	1.3	
	-EPN		12	01	14.7	0.8	0.6	
	+EPZ		12	01	15.0	1.0	0.7	
	+IPE		15	29	25.0	1.2	1.8	
	+EPN		15	29	28.0	0.6	0.5	
	+IPZ	15	29	25.1	1.1	1.8		
-EPE	16	37	47.5	1.0	1.0			
+EPN	16	37	47.0	1.2	0.8			
+EPZ	16	37	48.0	1.1	0.6			
LP+LRZ	17	18	18.7	18.7	1.5			
+EPE	17	29	39.8	0.8	1.0			
+EPN	17	29	39.9	0.7	0.8			
+EPZ	17	29	40.0	0.4	0.2			
+ESE	17	33	03.8	1.0	0.8			

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
JUL 31	+ESN	17	33	04.0	1.0	1.0	
	-EPE	18	54	38.9	0.8	0.8	
	-EPN	18	54	36.0	1.0	0.9	
	-EPZ	18	54	37.8	0.5	0.2	
	+EPE	21	29	41.0	1.0	0.8	
	+EPN	21	29	42.0	0.9	0.6	
	+EPZ	21	29	40.8	1.0	0.4	
	AUG 01	+EPE	01	07	30.7	1.2	1.0
		-EPN	01	07	31.0	0.9	0.3
		+EPE	13	10	12.7	0.8	1.0
-EPN		13	10	14.6	0.6	0.6	
+EPZ		13	10	15.0	1.1	0.5	
-EPE		20	40	01.0	1.0	0.6	
+IPN		20	40	00.9	0.9	0.3	
+IPZ		20	40	00.3	0.8	1.2	
02		-IPE	01	56	54.0	1.0	1.1
		+EPN	01	56	53.8	1.1	2.3
	+IPZ	01	56	53.5	1.0	3.0	
	-EPE	02	45	52.0	1.0	0.5	
	+EPN	02	45	52.8	0.4	0.6	
	-EPZ	02	45	51.8	0.6	0.5	
	+EPE	06	05	43.8	0.9	0.8	
	+EPN	06	05	43.3	0.9	0.6	
	+EPZ	06	05	42.5	1.0	0.2	
	-EPE	08	58	33.8	1.0	1.0	
03	-EPN	08	58	33.0	0.7	0.6	
	+EPE	10	38	14.2	1.2	0.6	
	+EPN	10	38	15.4	1.0	0.3	
	+EPZ	10	38	15.0	1.2	1.4	
	LP+PKPZ	10	38	18.7	9.4	1.5	
	-ESE	10	46	48.1	1.8	1.5	
	+ESN	10	46	50.1	1.5	0.6	
	-ESZ	10	46	49.9	1.1	0.6	
	-EPE	11	25	53.5	1.0	1.0	
	-EPN	11	25	54.0	0.5	0.5	
03	+EPZ	11	25	55.3	1.0	0.5	
	+IPE	15	12	47.0	1.0	1.0	
	+IPN	15	12	46.7	0.7	0.5	
	+EPE	05	29	48.0	0.7	0.5	
	+EPN	05	29	46.0	1.1	0.7	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
AUG 03	+EPZ	05	29	45.0	0.9	0.2
	+EPE	08	43	39.8	1.0	0.5
	-EPN	08	43	39.8	0.6	0.6
	-EPZ	08	43	38.5	1.2	0.6
	-EPE	10	25	54.0	1.1	1.0
	+EPN	10	25	55.1	1.0	0.7
	+EPZ	10	25	54.7	1.2	1.0
	-EXE	10	49	04.2	1.2	1.0
	-EXN	10	49	05.0	1.0	0.3
	+EXZ	10	49	05.2	1.7	1.0
04	-IPE	12	11	51.2	1.3	1.0
	+IPN	12	11	51.7	1.0	0.5
	+IPZ	12	11	51.0	1.3	2.0
	LP+ISE	12	22	16.8	12.2	5.5
	LP+ISN	12	22	18.7	13.1	8.0
	LP-LRZ	12	47	31.8	16.8	1.5
	-EPE	15	39	14.0	1.0	1.0
	-EPN	15	39	14.5	0.7	0.8
	+EPZ	15	39	15.0	0.6	0.3
	+EPE	20	34	53.5	0.5	0.2
05	+EPN	20	34	53.0	1.0	0.6
	+EPZ	20	34	53.2	0.4	0.5
	+EPE	15	53	36.7	1.1	0.7
	-EPN	15	53	36.4	0.6	0.6
	-EPZ	15	53	36.4	0.6	0.5
	+IPE	17	54	41.0	1.0	0.6
	+EPN	17	54	42.1	0.9	0.7
	+EPZ	17	54	43.0	1.0	1.0
	+EPE	21	17	32.0	0.9	1.0
	+EPN	21	17	31.8	0.4	0.5
06	+EPZ	21	17	30.9	1.2	0.5
	-EPE	03	38	50.0	0.9	0.5
	-EPN	03	38	48.2	1.3	0.6
	-EPZ	03	38	49.0	0.8	0.5
	-EPE	04	10	17.0	1.0	0.5
	+EPN	04	10	17.0	1.0	0.9
	-IPZ	04	10	16.9	1.0	1.2
	EPE	08	10	51.9		
	EPN	08	10	50.0		
	-EPZ	08	10	50.0	1.0	0.5

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
AUG 06	+EPE	08	34	10.9	1.0	0.5
	+EPN	08	34	11.5	1.3	1.2
	+IPZ	08	34	11.0	1.6	1.4
	+EPE	08	50	51.5	0.9	1.1
	-EPN	08	50	51.5	0.6	0.6
	+EPZ	08	50	51.5	0.6	0.4
	LP-LRZ	18	58	05.6	22.5	1.5
	-EPE	19	00	52.6	0.9	1.0
	-EPN	19	00	52.9	0.8	1.5
	+EPZ	19	00	51.3	1.0	0.5
	+EPE	21	59	25.8	0.5	0.5
	+EPN	21	59	23.8	0.6	0.3
	-EPZ	21	59	23.2	0.4	0.3
	-IPE	22	37	46.9	0.8	0.6
	+IPN	22	37	46.3	0.9	0.5
	-IPZ	22	37	47.6	1.5	1.1
	-EXE	22	48	42.0	1.0	0.6
	+EXN	22	48	39.9	0.4	0.5
	+EXZ	22	48	41.1	1.0	0.3
	LP+ESE	22	48	30.0	13.1	2.0
	LP+PSE	22	49	43.1	13.1	4.5
	LP-LRE	23	17	34.6	20.6	7.5
	LP+LRZ	23	17	30.9	18.7	12.5
	+EPE	23	45	02.1	0.6	0.6
	+EPN	23	45	02.3	0.3	0.5
	+EPE	02	14	02.0	0.7	0.6
	+EPN	02	14	02.7	0.2	0.5
	+EPZ	02	14	03.7	0.3	0.3
	-EPE	03	23	36.0	0.8	0.9
	-EPN	03	23	36.1	0.8	0.6
	+EPZ	03	23	35.4	1.2	1.5
	+IPE	13	41	20.0	1.5	0.6
	+IPN	13	41	20.0	1.5	0.6
+IPZ	13	41	19.7	2.0	1.1	
-EPE	20	23	39.0	1.2	1.0	
+EPN	20	23	39.5	1.1	1.1	
-EPZ	20	23	39.8	1.2	2.0	
-ISE	20	25	49.0	2.0	2.0	
+ISN	20	25	46.8	1.0	0.5	
-ISZ	20	25	49.2	2.0	2.3	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
AUG 07	+IPE	20	33	01.0	2.2	4.5
	+IPN	20	33	01.0	1.8	1.2
	-IPZ	20	33	01.2	1.8	1.1
	+IPE	20	58	35.2	0.9	1.5
	+EPN	20	58	36.0	0.9	1.0
	+EPZ	20	58	35.5	0.6	0.4
	+EPE	12	29	27.2	1.0	0.5
	+EPN	12	29	29.0	1.0	0.2
	+EPZ	12	29	27.8	1.2	0.3
	+EPE	15	29	47.8	1.0	2.0
	+EPN	15	29	49.1	1.0	1.0
	+EPZ	15	29	49.0	0.9	0.5
	+IPE	16	34	06.6	1.5	1.4
	+IPN	16	34	07.0	1.7	1.5
	+IPZ	16	34	06.5	1.5	1.6
	+EPE	19	00	09.3	0.5	0.6
	-EPN	19	00	09.0	0.2	0.5
	-EPE	19	31	48.4	0.9	1.5
	+EPN	19	31	48.0	0.9	0.6
	+EPZ	19	31	48.0	0.5	0.3
	+EPE	01	40	36.7	1.0	0.9
	+EPN	01	40	37.2	0.5	0.5
	-EPZ	01	40	38.0	0.7	0.3
	+IPE	06	47	41.0	1.0	1.5
	-IPN	06	47	40.9	1.0	1.0
	-IPZ	06	47	40.0	1.2	1.5
	-EPE	07	48	48.8	1.0	0.6
	+EPZ	07	48	48.5	0.8	0.6
	+ESE	07	59	19.5	2.5	2.4
	+ESN	07	59	18.9	0.8	0.4
	+EPE	15	07	19.5	0.7	0.6
	+EPN	15	07	20.1	1.0	1.5
	+EPZ	15	07	20.0	1.0	0.6
-EPE	16	54	02.0	1.2	1.5	
-EPN	16	54	03.0	0.7	0.6	
+EPZ	16	54	02.0	1.4	0.5	
+EPE	03	32	41.2	1.1	0.7	
-EPN	03	32	41.6	0.6	0.5	
-IPZ	03	32	41.0	1.1	1.0	
-EPE	04	26	25.8	1.0	0.8	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
AUG 10	+EPN	04	26	25.5	0.8	0.3
	+EPZ	04	26	24.9	2.0	1.1
	LP+LRZ	05	03	35.6	18.7	2.0
	LP+EPE	10	37	07.5	9.4	2.5
	LP+EPN	10	37	06.5	13.1	2.0
	LP-IPZ	10	37	07.5	11.2	6.5
	LP+ISE	10	46	28.1	11.2	28.0
	LP-ISN	10	46	24.4	11.2	20.5
	LP-ESZ	10	46	28.1	13.1	6.5
	LP+PSE	10	48	02.8	13.1	13.5
	LP+PSN	10	48	03.7	11.2	14.5
	LP+LRZ	11	06	54.4	20.6	4.0
	+EPE	13	30	23.0	0.8	0.5
	+EPN	13	30	23.5	0.5	0.4
	+EPZ	13	30	22.3	1.1	0.3
	IPE	10	37	05.8		
	+IPN	10	37	05.7	1.6	8.0
	-IPZ	10	37	05.6	2.0	10.0
	-ISE	10	46	24.0	2.0	3.0
	-ISN	10	46	25.0	2.4	32.0
	-ISZ	10	46	24.2	2.8	5.0
	+EXE	11	34	21.5	1.4	0.4
	+EXZ	11	34	21.4	1.0	0.2
	+IPE	16	08	58.0	1.0	1.4
	+EPN	16	08	59.0	0.7	0.3
	+IPZ	16	08	58.0	0.7	1.0
	-IPE	17	41	53.0	1.5	2.9
	-EPN	17	41	51.0	0.8	0.5
	+IPZ	17	41	53.0	1.7	3.0
	-ESE	17	46	07.8	1.2	1.3
	+ESN	17	46	13.0	1.5	0.8
	+ESZ	17	46	12.5	1.2	0.5
	-EPE	20	37	47.0	1.4	1.0
-EPN	20	37	47.0	1.1	0.6	
+EPZ	20	37	47.1	1.7	1.6	
-EPE	21	50	09.0	1.2	1.2	
-EPN	21	50	09.0	0.6	0.5	
+EPZ	21	50	10.5	0.9	0.5	
11	+EPE	07	26	20.0	0.8	0.4
	-EPN	07	26	21.0	0.6	0.3

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
AUG 11	LP-EPE	10	30	28.1	13.1	10.0	
	LP-EPN	10	30	16.9	15.0	9.0	
	LP+EPZ	10	30	22.5	16.8	4.5	
	+IPE	10	52	05.0	0.8	1.1	
	+IPN	10	52	05.0	0.8	0.2	
	+IPZ	10	52	04.8	0.4	0.6	
	-EPE	11	58	04.8	1.8	1.5	
	+EPN	11	58	05.0	0.8	0.2	
	LP+EPZ	14	13	22.5	20.6	7.0	
	-EPE	18	01	22.8	0.9	0.6	
	+EPN	18	01	21.6	0.8	0.5	
	+EPZ	18	01	21.5	1.0	0.4	
	+ESE	18	06	29.2	1.1	1.1	
	+ESN	18	06	29.9	0.8	0.3	
	+ESZ	18	06	29.2	1.0	0.5	
	-EPE	18	29	35.7	1.0	0.5	
	-EPN	18	29	36.0	0.8	0.5	
	-EPZ	18	29	37.0	1.1	0.4	
	12	+EPE	01	09	41.3	1.1	1.0
		+EPN	01	09	42.2	0.8	0.8
		+EPZ	01	09	42.0	1.0	0.4
		+EPE	14	10	06.3	0.7	0.5
		+EPN	14	10	08.1	0.5	0.5
		+EPZ	14	10	10.5	0.8	0.5
		-EPE	14	39	14.0	1.0	0.6
		+EPN	14	39	13.5	1.1	0.8
		+IPZ	14	39	14.0	1.2	0.7
		+ESE	14	40	58.0	1.2	1.8
		-ESN	14	40	59.0	0.8	1.0
		-ESZ	14	40	55.0	1.0	1.1
	13	+EPE	15	49	52.0	0.8	0.6
		-EPN	15	49	53.0	0.6	0.5
		+IPZ	15	49	51.8	0.7	1.5
LP+EPZ		18	37	20.6	18.7	6.0	
+EPE		22	18	01.3	0.5	0.7	
-EPN		22	18	02.0	1.0	0.6	
+EPZ		22	18	02.0	0.8	0.6	
-EPE		00	55	11.0	1.0	0.5	
-EPN		00	55	11.2	1.0	0.6	
-EPZ		00	55	11.0	0.9	0.5	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
AUG 13	+EPE	03	35	26.3	0.6	0.5	
	+EPN	03	35	29.0	1.6	0.6	
	+EPZ	03	35	26.9	1.1	0.6	
	-EPE	06	18	35.2	0.8	0.6	
	+EPN	06	18	35.3	1.2	1.0	
	+EPZ	06	18	37.0	1.2	0.4	
	-IPE	08	41	24.0	1.0	2.0	
	+EPN	08	41	24.1	1.0	1.2	
	+IPZ	08	41	23.8	1.2	2.1	
	LP+EPZ	14	07	37.5	16.8	5.0	
	-EPE	21	27	21.0	1.0	0.5	
	-EPN	21	27	22.0	1.0	0.5	
	-EPZ	21	27	21.8	0.8	0.3	
	-EPE	23	56	43.2	1.2	2.0	
	-EPN	23	56	43.0	1.1	0.6	
	-EPZ	23	56	44.8	0.8	0.6	
	14	+IPE	05	09	48.8	1.0	2.0
		+IPN	05	09	49.9	1.0	0.6
		+EPZ	05	09	48.0	1.3	1.5
		+EPE	05	29	49.2	1.0	1.3
+EPN		05	29	48.9	0.8	0.3	
+EPZ		05	29	49.3	1.0	0.5	
-EPE		05	34	44.0	0.7	0.6	
+EPN		05	34	42.0	1.0	0.5	
+EPZ		05	34	42.0	0.6	0.2	
+EPE		05	40	17.7	1.0	1.2	
+EPN		05	40	17.9	0.8	1.0	
+EPZ		05	40	17.8	0.5	0.5	
+EPE		05	42	55.2	1.0	1.9	
+EPN		05	42	55.8	0.7	0.6	
+EPZ		05	42	55.9	0.8	0.5	
-ESE		05	47	09.0	0.6	1.5	
-ESN		05	47	08.0	0.8	1.4	
+ESZ		05	47	08.0	1.4	1.4	
+IPE		06	31	58.0	1.4	1.5	
+EPN		06	31	57.5	1.1	0.4	
-EPZ	06	31	58.9	1.0	0.3		
+IPE	10	23	04.9	0.6	0.6		
+EPN	10	23	04.0	0.8	0.8		
+IPZ	10	23	05.0	0.3	0.5		

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
AUG 14	-IPE	17	57	19.8	1.3	1.5	
	+EPN	17	57	20.7	0.6	0.6	
	+EPZ	17	57	19.8	1.4	2.5	
	+EXE	18	07	42.6	1.7	0.6	
	+EXN	18	07	44.0	2.0	1.0	
	+EXZ	18	07	44.2	1.2	0.3	
	15	-IPE	04	02	04.5	0.8	0.6
		+EPN	04	02	06.0	0.3	0.3
		+IPZ	04	02	04.0	0.8	1.0
		+EPE	07	48	21.5	1.0	0.5
+EPN		07	48	28.0	0.9	0.9	
+EPZ		07	48	20.7	0.8	0.5	
+ESE		07	50	04.0	1.2	1.6	
-ESN		07	50	07.0	1.5	2.1	
+ESZ		07	50	05.1	1.0	1.5	
LP+EPPE		07	52	50.6	13.1	2.0	
16	LP-ESSN	08	11	30.0	15.0	11.5	
	+IPE	14	41	26.8	0.8	0.6	
	+EPN	14	41	26.2	0.3	0.3	
	+IPE	14	45	46.0	0.6	0.8	
	-EPN	14	45	47.0	0.7	0.6	
	+EPZ	14	45	46.8	1.0	0.2	
	-EPE	15	36	20.5	0.6	0.6	
	+EPN	15	36	21.2	0.8	0.3	
	+EPZ	15	36	22.5	1.0	0.5	
	+IPE	01	06	59.5	1.0	1.7	
+IPN	01	06	59.4	0.6	0.5		
-IPZ	01	06	59.3	1.1	3.1		
-IPE	07	35	53.4	0.8	2.5		
+IPN	07	35	53.3	0.6	4.2		
-IPZ	07	35	53.2	1.0	2.5		
-ESE	07	38	07.0	1.1	1.0		
+ISN	07	38	07.0	1.0	1.5		
+ESZ	07	38	06.5	1.3	1.0		
+EXE	07	45	16.0	2.0	2.0		
+EXN	07	45	16.0	1.2	1.0		
+EXZ	07	45	17.1	1.1	0.5		
+IPE	09	18	04.0	0.8	0.6		
+EPN	09	18	05.0	0.6	0.4		
-EPZ	09	18	04.2	0.7	0.4		

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
AUG 16	+EPE	09	31	07.0	0.7	1.1	
	-EPN	09	31	07.0	0.7	1.5	
	-EPZ	09	31	07.2	0.4	0.5	
	+IPE	19	33	48.5	0.6	1.1	
	+EPN	19	33	49.0	1.0	1.0	
	+EPZ	19	33	49.0	0.2	0.3	
	-EPE	21	37	05.0	0.5	0.5	
	-EPN	21	37	05.2	0.5	0.8	
	-EPZ	21	37	05.0	0.6	1.0	
	17	+EPE	01	42	05.8	1.4	1.1
		+IPN	01	42	06.1	1.0	1.0
		+IPZ	01	42	05.7	0.7	1.0
		+EPE	02	33	05.3	0.8	0.6
+EPN		02	33	05.1	1.0	0.8	
+EPZ		02	33	04.1	0.9	0.6	
+IPE		03	42	55.1	1.2	1.5	
+IPN		03	42	55.1	1.1	2.1	
-IPZ		03	42	55.0	1.2	3.5	
-IPE		06	24	25.9	1.0	0.9	
+IPN		06	24	25.2	1.0	0.8	
+IPZ		06	24	25.0	1.3	1.1	
LP+EPZ		18	33	57.6	22.1	9.0	
19	+EPE	08	01	20.7	0.8	0.6	
	-EPN	08	01	22.0	1.1	1.5	
	+IPZ	08	01	21.5	1.0	1.2	
18	-EPE	14	42	22.1	0.9	1.4	
	+IPN	14	42	21.9	0.8	1.7	
	+EPZ	14	42	21.9	0.8	0.8	
	+ISE	14	42	56.0	1.3	4.5	
	-ISN	14	42	56.9	1.0	6.0	
17	+ISZ	14	42	56.1	1.2	6.0	
	+EPE	19	05	53.0	0.9	0.7	
	-EPN	19	05	54.0	0.6	0.6	
18	+EPZ	19	05	56.0	0.6	0.4	
	-EPE	21	32	34.0	1.1	0.6	
	-EPN	21	32	33.2	1.2	1.0	
19	+EPZ	21	32	33.7	1.1	0.5	
	+EPE	08	01	20.7	0.8	0.6	
	-EPN	08	01	22.0	1.1	1.5	
	+IPZ	08	01	21.5	1.0	1.2	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
AUG 19	-IPE	10	40	46.7	1.9	1.5	
	-IPN	10	40	46.0	0.9	1.0	
20	+IPZ	10	40	46.0	1.9	1.5	
	-IPE	20	30	35.0	1.2	2.1	
	+IPN	20	30	35.0	1.0	4.0	
	-IPZ	20	30	35.0	1.2	7.5	
	+ISE	20	40	04.5	2.2	5.5	
	+ISN	20	40	04.5	1.3	2.5	
	-ISZ	20	40	05.0	1.6	2.0	
	+EPE	21	08	45.2	1.0	1.5	
	-EPN	21	08	44.8	1.0	1.0	
	+EPZ	21	08	45.9	0.6	0.4	
21	+EPE	02	14	58.0	0.6	0.9	
	+EPN	02	14	58.5	0.8	0.8	
	+EPZ	02	14	58.0	0.7	0.6	
	+EPE	04	58	39.0	1.5	1.6	
	+EPN	04	58	40.0	1.0	0.8	
	+EPZ	04	58	38.9	1.5	2.0	
	+IPE	05	15	01.2	0.5	2.0	
	+IPN	05	15	02.1	1.0	2.0	
	+IPZ	05	15	01.6	1.0	3.0	
	-EPE	09	59	49.5	1.3	1.0	
23	+EPN	09	59	50.2	0.8	0.6	
	-IPZ	09	59	49.2	1.5	1.5	
	+ESE	04	29	16.5	1.8	1.0	
	-ESN	04	29	17.0	1.2	1.5	
	22	+EPE	08	34	34.0	0.7	0.5
		-EPN	08	34	33.2	1.0	1.5
		+EPZ	08	34	34.8	1.0	0.5
		+EPE	10	27	16.4	1.0	0.6
		-EPN	10	27	17.0	1.0	1.2
		+EPZ	10	27	18.9	1.0	0.5
+EPN		11	09	31.0	1.0	0.5	
-EPZ		11	09	32.0	0.8	0.5	
+EPE		15	38	47.0	1.1	1.0	
+EPN		15	38	47.0	1.0	0.3	
19	+EPE	18	40	34.0	1.0	0.6	
	-EPN	18	40	35.0	1.0	0.6	
	+EPZ	18	40	34.8	1.7	0.5	
	+EPE	19	42	37.0	1.2	0.8	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
AUG 22	+EPN	19	42	37.5	1.0	0.6
	+EPZ	19	42	38.8	1.1	0.3
23	+EPE	00	04	21.0	1.0	0.5
	+EPN	00	04	22.0	0.8	0.3
	+EPZ	00	04	21.5	0.8	0.2
	-EPE	01	39	06.8	1.0	0.8
	+EPN	01	39	07.3	0.9	0.5
	+EPZ	01	39	08.8	1.0	0.3
	+EPE	04	05	43.0	1.0	0.6
	+EPN	04	05	43.0	1.0	0.6
	-EPE	07	18	24.0	1.0	1.0
	+EPN	07	18	24.9	1.0	0.5
	-EXE	08	03	04.0	1.2	0.6
	+EXN	08	03	04.9	0.6	0.3
	-EXZ	08	03	04.2	0.6	0.5
	+EPE	09	02	33.0	1.0	0.5
	+EPN	09	02	34.5	1.0	0.5
	+IPE	09	18	27.7	1.5	4.6
	-IPN	09	18	27.9	1.2	8.5
	+IPZ	09	18	27.5	1.4	3.0
	-IPE	14	10	56.7	1.0	1.6
	+EPN	14	10	58.0	0.6	0.6
	-IPZ	14	10	57.0	1.0	3.0
	+EXE	14	11	33.5	1.2	7.7
	+EXN	14	11	34.2	1.1	3.0
	+EXZ	14	11	33.5	1.5	9.6
	+ESE	14	14	33.2	1.5	1.6
	-ESN	14	14	31.7	1.1	1.1
	+ESZ	14	14	30.6	2.2	1.6
	+IPE	19	19	40.6	1.1	3.0
	+IPN	19	19	40.5	1.0	3.0
	+IPZ	19	19	40.5	1.1	4.5
	-EXE	15	30	42.0	2.7	5.0
	-EXN	15	30	41.1	2.2	1.5
	+EXZ	15	30	37.0	1.2	0.6
24	-IPE	14	01	06.0	1.5	2.5
	+IPN	14	01	05.0	1.2	2.4
	+IPZ	14	01	05.6	1.1	2.4
25	+EPE	08	23	30.1	0.5	1.0
	+EPN	08	23	30.1	1.0	0.9

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
AUG 25	+EPZ	08	23	30.0	0.6	0.6
	+EPE	12	31	49.0	1.0	0.6
	+EPN	12	31	50.5	0.7	0.5
	+EPZ	12	31	49.2	0.9	0.5
	-IPE	21	54	01.8	1.2	2.5
	+IPN	21	54	02.1	0.6	1.1
	+IPZ	21	54	01.8	1.1	2.9
	+EXE	21	54	29.9	2.0	6.6
	+EXN	21	54	30.9	1.2	3.0
	+EXZ	21	54	31.0	2.0	10.2
	+ISE	22	03	49.0	3.2	18.0
	-ISN	22	03	49.0	2.2	10.0
	+ISZ	22	03	47.7	1.4	0.6
26	+IPE	00	45	45.5	1.0	2.5
	+IPN	00	45	45.5	1.0	1.4
	+IPZ	00	45	45.2	1.0	3.4
	+EPE	10	44	00.3	0.9	0.5
	+EPN	10	44	02.1	1.0	1.4
	+EPZ	10	44	00.9	1.0	0.5
	+EPE	22	54	32.0	0.5	0.5
	+EPN	22	54	32.8	0.8	1.2
	+EPZ	22	54	32.8	0.9	0.6
27	+EPE	02	57	02.2	1.8	5.0
	+EPN	02	57	01.0	1.7	1.5
	+EPZ	02	57	02.8	0.9	0.5
	-EPE	23	10	36.8	0.6	0.3
	+EPN	23	10	37.6	1.0	0.8
	-EPZ	23	10	37.9	0.6	0.4
28	-EPE	03	07	21.0	1.0	0.8
	+EPZ	03	07	18.9	0.6	0.3
	-EPE	04	45	11.3	1.1	1.5
	+EPN	04	45	10.6	0.6	0.9
	-EPZ	04	45	10.6	1.2	0.6
	+EXE	08	52	46.0	1.2	1.5
	+EXN	08	52	44.9	0.9	0.5
	-EPE	14	14	37.2	0.8	1.0
	+EPN	14	14	39.2	0.9	0.5
	+IPE	18	34	39.9	1.5	2.5
	+EPN	18	34	39.8	1.2	0.8
	+IPZ	18	34	39.8	1.6	2.5

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S					H	M	S		
AUG 28	+EXE	20	23	17.9	0.8	0.5	SEP 01	EPZ	06	55	49.0	1.4	0.8
	-EPN	20	23	18.0	1.1	0.9		-EPE	13	18	28.5		
29	+EPZ	20	23	18.0	0.9	0.3	+EPN	13	18	28.0	1.2	0.3	
	+EPE	03	02	29.2	0.7	0.5	+EPE	13	30	09.0	1.0	1.1	
	-EPN	03	02	28.0	1.0	0.5	+EPN	13	30	09.3	1.0	0.6	
	+EPZ	03	02	29.7	1.2	0.5	-EPE	19	50	44.9	0.5	0.4	
	+IPE	07	16	23.8	1.2	2.1	+EPN	19	50	43.0	0.6	0.5	
	-IPN	07	16	24.0	1.2	1.2	-EPE	02	08	22.5	0.8	0.5	
	-IPZ	07	16	23.2	1.2	2.0	+EPN	02	08	21.2	1.0	0.4	
	+EPE	09	20	11.0	1.0	0.5	+EPE	12	32	42.5	1.0	1.5	
	+EPN	09	20	12.0	0.8	0.3	-EPN	12	32	41.4	0.9	1.0	
	-EPZ	09	20	12.0	1.0	0.5	-EPZ	12	32	42.9	0.8	0.5	
	+IPE	11	12	47.0	1.6	5.5	+IPE	15	43	52.2	1.6	14.0	
	-IPN	11	12	46.3	1.2	1.5	+IPN	15	43	54.6	0.8	1.5	
	+IPZ	11	12	47.0	1.4	6.2	-IPZ	15	43	52.2	1.6	9.0	
	-EPE	14	56	45.5	1.0	1.1	+IPE	18	32	28.9	0.8	1.5	
	-EPN	14	56	45.3	0.6	0.5	+EPN	18	32	28.9	1.0	0.3	
	+EPZ	14	56	46.2	1.1	0.6	+EPZ	18	32	29.0	0.5	0.4	
	+EPE	23	33	47.0	0.9	0.5	+EPE	19	44	18.0	0.8	0.6	
	+EPN	23	33	46.0	1.0	0.5	+EPN	19	44	19.3	1.0	0.5	
	+EPZ	23	33	46.8	1.0	0.4	-EPZ	19	44	23.5	0.8	0.5	
	+EPE	06	12	24.0	1.0	0.5	-EPE	20	15	28.5	0.6	0.5	
30	+EPN	06	12	24.3	1.0	0.6	+EPN	20	15	28.7	0.3	0.6	
	-EPE	12	04	02.0	1.0	1.5	+EPZ	20	15	30.0	0.5	0.3	
	+EPN	12	04	03.0	0.6	0.3	-EPE	01	46	47.2	0.8	1.5	
	+EXE	18	10	15.4	1.0	0.9	+EPN	01	46	45.2	0.3	0.5	
	-EXN	18	10	16.0	0.5	0.4	+EPZ	01	46	47.0	1.0	1.0	
	+EXZ	18	10	16.0	1.0	0.5	+EPE	15	35	52.0	1.1	1.0	
31	-EPE	02	17	57.0	0.8	0.8	+EPN	15	35	52.0	0.8	0.5	
	+EPN	02	17	57.0	0.9	0.6	+EPZ	15	35	52.0	1.0	0.5	
	+EPZ	02	17	56.0	1.0	0.5	-IPE	23	55	29.8	1.1	3.1	
	-EPE	09	45	21.0	1.1	1.5	+IPN	23	55	29.7	1.1	3.0	
	+EPN	09	45	17.4	1.0	0.6	-IPZ	23	55	29.8	1.1	5.6	
	-EPZ	09	45	21.0	0.6	0.6	+IPE	00	01	56.0	0.9	1.0	
	-EPE	16	28	16.5	1.2	1.0	-IPN	00	01	56.8	1.0	0.9	
	-EPN	16	28	15.0	0.9	0.6	+EPZ	00	01	56.9	1.0	0.5	
01	+EPE	00	50	04.0	0.7	0.5	+IPE	01	09	22.0	1.0	2.5	
	+EPN	00	50	03.1	1.0	0.3	+EPN	01	09	23.0	1.0	0.2	
	-EPE	06	55	48.0	0.8	0.8	-IPZ	01	09	22.0	2.0	1.4	
	+EPN	06	55	48.5	1.0	0.5	+IPE	06	17	25.1	1.1	0.5	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
SEP 05	+EPN	06	17	24.8	0.8	0.3	
	+IPZ	06	17	25.0	1.0	1.1	
	+EPE	10	53	26.0	0.3	0.3	
	-EPN	10	53	26.2	1.1	0.5	
	+EPZ	10	53	26.1	0.8	0.5	
	+IPE	15	34	30.1	0.8	0.6	
	+EPN	15	34	31.0	1.0	1.0	
	+IPZ	15	34	31.9	1.1	1.1	
	+IPE	19	21	21.2	1.2	2.9	
	-IPZ	19	21	21.3	1.1	3.1	
	+EPE	19	53	18.7	0.5	0.6	
	-EPZ	19	53	19.0	0.4	0.5	
	+IPE	21	02	41.7	0.8	1.5	
	+IPN	21	02	42.9	0.8	1.0	
	+EPZ	21	02	41.7	0.5	0.5	
	06	+EXE	09	39	02.1	1.2	1.0
		-EXZ	09	39	01.0	2.5	2.8
		LP-EPN	09	39	01.8	11.1	2.5
		LP-IPZ	09	39	01.8	9.2	5.5
		LP+SKSN	09	49	29.5	17.5	8.5
LP+SKSZ		09	49	30.4	12.9	7.5	
07	LP+LRN	10	20	05.5	20.3	12.5	
	LP-LRZ	10	20	02.7	19.4	24.5	
	-IPE	12	03	06.5	1.0	1.5	
	+EPZ	12	03	06.3	1.0	1.0	
08	+IPE	22	36	36.9	0.9	1.4	
	+EPN	22	36	38.0	0.7	0.2	
	+IPZ	22	36	36.3	0.9	0.5	
	+EPE	00	08	03.8	1.0	0.7	
	+EPN	00	08	02.2	0.7	0.5	
09	+EPE	09	37	03.5	1.0	1.0	
	+EPN	09	37	03.5	0.6	0.4	
	+EPZ	09	37	04.5	0.5	0.4	
	+EPE	11	11	49.0	0.8	0.6	
	+EPN	11	11	50.0	0.7	0.5	
	+EPZ	11	11	50.0	1.1	0.5	
	-EPE	17	52	22.5	1.0	0.7	
	+EPN	17	52	23.3	0.6	0.3	
	+EPZ	17	52	24.9	1.0	0.5	
	+EPE	20	03	38.4	1.1	0.6	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
SEP 09	+EPN	20	03	37.9	1.1	0.6	
	+EPZ	20	03	37.2	1.1	1.0	
	+IPE	22	53	46.1	0.9	0.9	
	-EPN	22	53	45.0	1.0	0.6	
	-IPZ	22	53	46.9	1.3	1.5	
	+EPN	23	33	57.9	0.9	0.3	
	+EPZ	23	33	58.2	0.8	0.5	
	10	-IPE	04	30	25.9	1.1	1.1
		+IPZ	04	30	26.0	0.8	0.6
	-EPE	04	40	17.0	1.2	1.1	
	+EPN	04	40	15.0	0.8	0.6	
	+EPZ	04	40	16.0	1.1	0.5	
	-EPE	08	15	14.9	1.5	2.5	
	+IPN	08	15	15.0	1.0	1.1	
	+EPZ	08	15	13.8	1.2	2.0	
	+IPE	09	06	01.4	1.1	1.3	
	11	-IPN	09	06	01.4	1.1	0.8
		+EPE	09	26	08.5	0.9	0.5
	10	-EPN	09	26	10.0	1.0	0.5
		+EPZ	09	26	10.8	0.6	0.3
+IPE		10	56	46.1	0.9	0.9	
-IPN		10	56	46.0	1.0	0.6	
-IPZ		10	56	46.9	1.3	1.5	
+EPE		12	40	05.2	0.8	0.9	
+EPN		12	40	05.5	0.8	0.6	
+EPZ		12	40	05.5	1.0	0.7	
+EPE		15	08	34.5	1.1	1.0	
+EPN		15	08	33.5	0.8	0.4	
11	-EPZ	15	08	34.8	0.8	0.5	
	+EPE	21	26	28.1	0.8	0.6	
	+EPN	21	26	30.0	0.8	0.4	
	+EPZ	21	26	30.2	0.8	0.3	
	+EPE	05	04	17.0	0.8	0.4	
	+EPN	05	04	16.3	0.9	0.5	
	+EPE	07	04	34.0	1.0	1.0	
	+EPN	07	04	34.0	1.0	0.9	
	+EPZ	07	04	34.1	1.0	0.5	
	-EPE	14	45	11.0	1.1	1.0	
+EPN	14	45	11.9	0.5	0.3		
+EPZ	14	45	10.0	1.1	0.3		

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
SEP 12	+EPE	11	13	53.8	1.0	0.6
	+EPN	11	13	56.9	0.8	0.3
11	-EPZ	11	13	55.2	0.8	0.5
	-EPE	20	53	03.0	1.0	0.6
	+EPN	20	53	05.4	0.5	0.6
12	-EPZ	20	53	05.0	0.8	0.4
	+EPE	03	25	08.7	1.0	0.9
	+EPN	03	25	11.0	0.8	0.5
	+EPZ	03	25	09.9	1.0	0.5
	-EPE	15	48	06.7	1.0	0.9
	+EPN	15	48	08.0	1.0	0.6
	-EPZ	15	48	06.8	1.4	1.8
	-EPE	15	49	16.0	1.0	1.0
	+EPN	15	49	16.0	0.8	0.4
	-EPZ	15	49	17.4	0.8	0.4
	+EPE	17	04	53.5	0.4	0.6
	+EPN	17	04	54.2	0.8	0.8
	+EPZ	17	04	55.2	1.0	0.8
	+EPE	20	12	57.0	1.0	0.6
	+EPN	20	12	56.8	1.0	0.5
	-EPZ	20	12	57.9	1.0	0.6
13	LP+EPSZ	22	29	04.6	12.0	2.0
	LP-LRZ	22	59	46.1	23.1	5.0
	LP-LRN	03	12	31.8	15.0	2.0
	LP-LRZ	03	12	28.1	37.5	3.0
	+EPE	06	46	29.8	1.0	1.0
	-EPN	06	46	30.0	1.0	1.0
	-EPZ	06	46	29.0	1.6	1.5
	-EPE	07	35	12.0	0.9	0.6
	-EPN	07	35	10.9	0.9	0.4
	-EPZ	07	35	11.0	1.0	0.6
14	+EPE	12	40	08.5	1.0	2.6
	+EPN	12	40	11.9	1.0	0.9
	+EPZ	12	40	11.8	0.8	0.4
	-EPE	22	09	56.8	0.8	0.6
	+EPN	22	09	57.9	0.7	0.5
	+EPZ	22	09	57.0	1.2	0.5
	+EPE	06	49	01.2	0.6	0.6
	+EPN	06	49	01.6	0.4	0.5
	-EPZ	06	49	01.0	0.7	1.0

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
SEP 14	-EPE	12	13	53.5	1.0	1.1
	-EPN	12	13	53.5	1.0	1.1
15	+EPZ	12	13	53.4	1.0	1.5
	+EPE	12	44	25.2	0.6	0.6
	+EPN	12	44	25.7	1.0	1.5
	+EPZ	12	44	25.7	0.7	0.5
	-EPE	09	25	46.0	0.8	0.9
	-EPN	09	25	47.2	0.9	0.2
	+EPZ	09	25	45.0	0.9	0.4
	-EPE	17	00	15.0	1.0	0.6
	+EPN	17	00	15.0	0.8	0.5
	+EPZ	17	00	14.8	1.1	0.6
16	LP+LRN	17	36	56.2	16.8	1.5
	LP+LRZ	17	36	53.5	18.4	2.0
	+IPE	00	10	36.5	1.0	1.0
	+IPN	00	10	36.9	0.7	1.5
	+IPZ	00	10	36.5	0.9	1.1
	LP+EPZ	00	10	45.0	5.6	2.0
	LP+ESE	00	18	33.7	11.2	4.5
	LP-ESN	00	18	43.1	9.4	3.5
	LP+ESZ	00	18	37.5	15.0	3.0
	LP-LGN	00	29	18.7	23.4	21.5
17	LP-LRN	00	31	30.0	17.8	15.0
	LP-LRZ	00	31	33.2	29.5	10.5
	+EPE	05	04	02.5	0.8	0.3
	+EPN	05	04	02.5	1.1	0.3
	+IPE	12	04	48.6	0.8	1.1
	-IPN	12	04	48.8	1.0	2.0
	+IPZ	12	04	48.9	0.8	3.5
	+EPE	15	12	02.9	1.4	2.0
	+EPN	15	12	03.3	1.3	1.5
	+EPZ	15	12	03.0	1.8	0.8
17	+EPE	17	32	44.2	1.0	0.7
	-EPN	17	32	48.0	0.8	0.7
	-EPZ	17	32	48.0	0.9	0.5
	+EPE	04	59	27.9	0.8	1.3
	-EPN	04	59	26.5	0.7	0.7
	-EPE	07	52	20.4	0.8	0.9
	-IPN	07	52	20.0	0.6	0.7
	+EPZ	07	52	20.8	0.8	0.3

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
SEP 18	-EPE	02	01	22.8	1.0	0.6
	-EPZ	02	01	22.5	1.0	0.6
19	-EPE	18	31	10.1	1.0	0.6
	-EPN	18	31	10.7	0.6	0.3
	+EPZ	18	31	11.2	0.8	0.3
	-EPE	03	44	54.1	1.8	1.5
	+EPN	03	44	55.0	1.0	0.5
	+EPZ	03	44	53.8	0.9	0.5
	-ESE	03	46	41.7	1.7	3.8
	+ESN	03	46	45.4	2.2	3.4
	+ESZ	03	46	44.9	2.0	3.5
	LP+EPE	04	44	58.1	7.4	1.0
LP+EPZ	04	44	57.2	8.3	2.0	
LP+ISE	04	51	15.0	14.1	24.5	
LP+ESN	04	51	16.8	13.1	4.0	
LP+ESZ	04	51	15.9	9.4	7.5	
LP+IXE	04	54	20.6	15.9	24.0	
LP+IXZ	04	54	24.0	18.4	12.5	
LP+LRN	04	56	52.5	18.7	11.5	
LP+LRZ	04	56	52.5	28.1	21.5	
20	+EPE	05	09	50.8	1.0	0.6
	+EPN	05	09	50.5	0.6	0.4
	-EPE	13	30	16.9	0.4	0.5
	+EPN	13	30	16.9	0.4	1.5
	+EPZ	13	30	16.9	0.3	0.5
	+EPE	14	31	26.2	0.8	1.0
	+EPN	14	31	26.9	1.1	1.0
	-EPZ	14	31	27.0	1.0	0.6
	+EPE	23	29	44.0	0.6	0.5
	+EPN	23	29	46.2	0.8	0.5
	-EPZ	23	29	43.0	0.8	0.6
	-IPE	00	29	24.8	1.3	2.1
	+IPN	00	29	24.6	1.1	1.0
	+IPZ	00	29	24.8	1.2	1.5
	+EPE	12	23	48.0	0.8	1.0
	-IPN	12	23	49.0	0.9	1.2
	-EPZ	12	23	50.0	1.1	1.0
	+EPE	21	17	48.4	1.0	1.1
+EPN	21	17	48.4	0.7	0.7	
+EPZ	21	17	48.2	1.0	1.2	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
SEP 21	-EPE	01	55	34.0	0.6	1.0	
	+EPN	01	55	33.9	0.9	1.9	
22	+EPZ	01	55	33.9	0.8	0.6	
	+EXN	01	03	15.2	0.7	0.7	
	+EXZ	01	03	15.5	0.7	0.7	
	-EPE	07	16	14.7	0.8	0.5	
	+EPN	07	16	16.0	0.6	0.6	
	-EPZ	07	16	14.2	0.7	0.4	
	-EPE	19	47	48.0	0.8	0.4	
	-EPN	19	47	48.1	0.4	0.4	
	+IPE	02	00	37.5	1.0	1.0	
	+IPN	02	00	37.1	1.2	1.1	
24	-IPZ	02	00	37.0	1.0	1.5	
	LP-EPZ	02	00	39.4	9.4	3.5	
	+EXE	02	11	03.2	1.0	1.5	
	+EXN	02	11	04.5	3.0	1.1	
	LP+ESE	02	11	06.5	13.1	8.0	
	LP+ESN	02	11	15.0	15.0	7.5	
	+EPE	10	20	25.0	0.9	0.3	
	+EPN	10	20	26.2	1.1	0.5	
	+EPZ	10	20	24.7	1.0	0.4	
	+EPN	10	57	12.6	0.5	0.4	
	-EPZ	10	57	13.5	1.0	1.5	
	+IPE	11	13	51.3	1.0	1.0	
	+EPN	11	13	53.0	0.6	0.5	
	+IPZ	11	13	51.0	0.8	1.0	
	LP-LRE	12	34	37.5	23.6	4.0	
	LP-LRZ	12	34	34.5	25.4	10.5	
	25	-IPE	18	14	22.0	1.0	0.8
		+EPN	18	14	22.0	1.1	0.6
+IPZ		18	14	21.5	1.2	1.0	
+EPE		22	40	50.0	0.8	0.3	
+EPN		22	40	48.0	0.7	0.4	
+EPZ		22	40	49.0	1.0	0.4	
IPE		08	34	51.8			
+IPN		08	34	51.5	1.2	1.2	
-IPZ		08	34	51.6	1.3	2.0	
+IPE		12	46	31.7	0.8	1.5	
+EPN	12	46	34.3	0.6	0.7		
+IPZ	12	46	31.5	0.8	3.0		

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
SEP 25	+EPE	18	23	23.4	0.8	0.8	
	+EPN	18	23	23.9	0.6	0.6	
	+EPZ	18	23	23.5	0.9	1.0	
	LP-SKKS	18	26	39.4	15.9	6.5	
	+EPE	23	52	04.7	1.0	1.2	
	+EPN	23	52	03.9	0.8	0.5	
	-EPZ	23	52	04.0	0.9	0.5	
	26	+EPE	06	51	42.8	0.8	0.5
		-EPN	06	51	42.9	1.1	0.6
	28	+EPZ	06	51	42.7	1.0	0.5
+IPE		09	25	29.3	1.0	1.2	
+IPN		09	25	29.0	1.0	1.2	
-IPZ		09	25	29.0	1.2	2.0	
+ISE		09	35	01.0	2.0	2.0	
+ISN		09	35	01.2	1.6	1.7	
+EPN		14	09	49.0	0.8	0.5	
+EPZ		14	09	48.0	1.2	0.4	
+EPE		18	58	34.8	0.8	0.6	
+EPN		18	58	34.6	1.0	0.7	
29	-EPZ	18	58	36.7	1.0	1.0	
	-EPE	06	32	49.4	0.8	1.2	
	+EPN	06	32	49.7	0.8	1.0	
	+EPZ	06	32	49.6	0.8	0.6	
	LP+EPE	14	34	09.4	18.7	2.0	
	LP-EPZ	14	34	02.8	18.7	4.0	
	+EPE	14	49	11.6	1.2	0.9	
	-EPN	14	49	11.0	1.0	0.5	
	+IPZ	14	49	11.6	1.5	1.1	
	-ESE	14	59	41.8	3.2	2.0	
30	+ESN	14	59	42.0	1.8	0.9	
	+EPE	15	18	44.8	1.0	0.7	
	+EPN	15	18	47.0	0.8	0.4	
	+EPZ	15	18	44.5	0.6	1.5	
	+IPE	19	01	30.0	1.8	2.0	
	+IPN	19	01	29.2	1.2	1.2	
	-IPZ	19	01	29.3	1.8	2.5	
	+EPE	04	03	42.1	0.7	1.1	
	-EPN	04	03	42.9	0.5	0.5	
	-EPZ	04	03	42.5	0.9	1.0	
+ISE	04	04	17.1	0.5	1.0		

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
SEP 30	-ESN	04	04	18.0	0.7	1.1
	-ISZ	04	04	17.0	0.6	1.4
	+EPE	18	29	36.0	0.8	0.8
	+EPN	18	29	35.7	0.9	0.3
	+EPZ	18	29	33.8	0.8	0.5
	LP+EPZ	18	29	44.1	11.2	1.5
	-EPE	19	13	38.0	1.2	1.0
	+EPN	19	13	37.0	0.9	0.6
	+EPZ	19	13	37.8	0.8	0.3
	+ISE	19	14	14.8	1.2	2.7
OCT 01	+ISN	19	14	14.8	1.0	1.6
	+ESZ	19	14	15.5	1.1	1.0
	+IPE	03	41	43.7	0.8	0.8
	+IPN	03	41	45.0	0.7	0.6
	+IPZ	03	41	43.8	1.0	1.3
	LP-EPE	03	41	44.0	7.5	1.5
	LP-EPN	03	41	43.1	9.3	1.5
	LP-IPZ	03	41	43.1	11.2	6.0
	-ESE	03	51	28.0	3.9	5.5
	+ESN	03	51	30.0	1.8	1.5
02	+ESZ	03	51	28.5	1.5	1.5
	LP+ISE	03	51	24.4	16.9	13.0
	LP-ISN	03	51	20.6	18.7	21.0
	LP-ISZ	03	51	20.6	17.8	21.5
	+IPE	04	25	12.9	1.9	3.0
	-IPN	04	25	12.9	1.2	0.7
	-IPZ	04	25	12.7	2.0	3.8
	+ESE	04	34	51.5	3.6	2.3
	-ESN	04	34	53.0	1.2	0.6
	+ESZ	04	34	53.3	1.3	0.6
02	-EPE	14	21	42.1	1.0	0.5
	+EPN	14	21	41.0	1.2	0.6
	-IPE	18	12	25.4	1.1	2.5
	+IPN	18	12	25.2	1.0	3.4
	-IPZ	18	12	25.2	1.1	5.0
	+EPE	03	30	27.8	0.6	0.6
	+EPN	03	30	28.5	0.9	1.0
	-EPZ	03	30	28.0	1.0	1.0
	+ESE	03	32	21.0	1.0	1.3
	-ESN	03	32	20.3	1.1	1.0

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
OCT 02	-ESZ	03	32	21.0	0.9	0.5
	+EPE	04	58	27.4	0.6	0.7
03	+EPN	04	58	28.0	1.0	2.0
	+EPZ	04	58	28.0	0.7	0.6
	+EPE	02	38	10.0	1.1	1.0
	-EPN	02	38	10.0	1.2	1.5
	+EPZ	02	38	09.9	1.3	2.5
	+IPE	05	01	56.1	0.9	2.8
	-IPN	05	01	56.1	0.9	2.0
	-IPZ	05	01	56.0	1.0	4.0
	-EPE	13	22	14.1	0.9	0.6
	-EPN	13	22	16.0	0.8	0.3
	-EPZ	13	22	14.5	0.8	0.6
	+ESE	13	31	58.0	2.0	1.7
	+ESN	13	31	58.0	1.2	1.5
	+IPE	13	44	39.2	1.7	2.0
	+IPN	13	44	38.3	1.5	1.0
	+IPZ	13	44	39.3	1.7	2.2
	+EPE	18	01	10.7	0.6	0.4
	+EPN	18	01	10.0	0.8	0.6
	LP-LRN	18	21	16.8	24.4	4.0
	+IPE	19	51	10.5	0.7	1.0
+IPN	19	51	10.1	0.9	1.2	
+IPZ	19	51	10.5	0.6	0.6	
04	+EPE	03	48	06.1	0.8	0.5
	+EPN	03	48	05.5	0.9	0.3
	-EPZ	03	48	04.0	1.0	0.6
	LP-LRE	04	02	22.5	18.7	4.0
	LP-LRN	04	02	11.2	22.5	2.5
	LP+EXE	04	04	56.2	21.5	8.0
	-EPE	19	21	03.5	1.2	1.1
	+EPN	19	21	04.0	0.8	1.0
	+EPZ	19	21	05.5	0.4	0.5
	05	+EPE	08	03	16.2	0.5
+EPN		08	03	16.1	0.9	1.0
+EPE		10	46	25.5	1.0	2.0
-EPN		10	46	24.0	1.0	1.0
+EPZ		10	46	26.0	1.0	1.9
06	+EPN	06	31	05.2	1.0	0.6
	+EPZ	06	31	05.0	0.5	0.3

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
OCT 06	+EPE	10	03	43.5	1.0	0.6
	-EPN	10	03	43.1	0.7	1.1
07	-IPZ	10	03	43.0	0.8	1.8
	+IPE	10	13	11.0	1.1	2.0
	+EPN	10	13	10.5	1.3	1.6
	-EPZ	10	13	11.0	2.0	1.0
	LP+IPE	22	37	14.1	13.1	6.5
	LP+EPN	22	37	18.4	15.0	2.0
	LP+IPZ	22	37	14.1	18.7	24.0
	ESE	22	48	01.8		
	+ESN	22	48	02.2	2.0	3.0
	+ESZ	22	48	01.7	1.0	0.5
	LP+SKSE	22	48	06.5	12.2	33.0
	LP+SКСN	22	48	09.4	15.0	9.5
	LP+SКСZ	22	48	09.4	17.8	11.0
	+IPE	22	57	13.5	1.6	3.3
	-IPN	22	57	13.5	1.2	3.0
	+IPZ	22	57	13.5	1.3	7.0
	+EXE	23	23	26.5	0.9	0.6
	+EXN	23	23	27.0	1.1	0.6
	+EXZ	23	23	27.0	1.1	0.5
	+IPE	06	50	35.5	1.5	3.7
-IPN	06	50	35.6	1.4	3.0	
+IPZ	06	50	35.6	1.6	7.0	
-EPE	08	40	33.7	1.2	1.6	
+EPN	08	40	33.6	1.3	0.6	
+EPZ	08	40	33.6	1.2	2.8	
LP+EPE	08	40	33.8	11.2	1.0	
LP-EPZ	08	40	33.8	12.2	2.5	
LP+ISN	08	50	52.5	14.1	7.5	
LP+ESZ	08	50	55.3	13.1	2.5	
LP+PSN	08	51	39.4	18.7	9.5	
LP-PSZ	08	51	39.4	15.9	8.5	
LP+SSN	08	56	22.5	16.9	5.0	
LP+SSZ	08	56	48.7	13.1	6.0	
LP+LRE	09	07	41.3	24.4	20.0	
LP-LRN	09	07	37.5	22.5	7.5	
LP+LRZ	09	07	35.6	23.4	34.0	
-EPE	23	29	43.1	0.9	2.6	
+EPN	23	29	43.0	1.0	0.5	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
OCT 07	+EPZ	23	29	43.0	1.0	3.2
	09	+EPE	05	04	03.7	0.8
10	-EPN	05	04	03.2	1.1	1.0
	+EPZ	05	04	03.3	0.7	0.5
	-EPN	06	31	51.9	0.9	0.6
	-EPZ	06	31	53.0	0.6	0.4
	+EPE	07	19	33.0	0.8	0.3
	+EPN	07	19	33.5	0.6	0.6
	-EPZ	07	19	33.3	0.7	0.5
	+EPE	00	33	10.7	1.1	0.5
	-EPN	00	33	12.8	0.6	0.5
	-EPZ	00	33	12.2	1.0	0.5
11	+IPE	13	24	27.9	1.0	3.0
	+IPN	13	24	27.8	1.0	1.7
	-IPZ	13	24	28.0	1.0	4.0
	-EPE	13	36	05.2	0.7	0.7
	+EPN	13	36	05.6	0.8	1.0
	+EPZ	13	36	06.8	1.0	1.0
	+EPE	08	50	07.2	0.9	1.0
	+EPN	08	50	07.3	0.7	0.5
	+IPE	14	47	41.7	1.5	5.5
	-IPN	14	47	41.9	1.5	7.1
	+IPZ	14	47	41.8	2.0	11.0
	LP+IPE	14	47	42.2	16.9	21.5
	LP-EPN	14	47	43.1	20.6	9.5
	LP+IPPE	14	50	46.9	13.1	13.0
	LP+ISE	14	57	56.2	12.2	72.5
	LP+ISN	14	58	01.9	19.7	51.0
	LP+IPSE	14	59	03.7	16.9	69.0
	LP+EPSN	14	59	09.4	18.7	21.5
LP-SSE	15	03	56.2	15.9	64.0	
LP+SSN	15	03	52.5	15.0	20.5	
-EXE	15	06	07.9	1.1	1.3	
+EXN	15	06	06.5	0.9	1.1	
+EXZ	15	06	06.5	1.6	3.5	
-IPE	15	07	28.0	1.5	4.6	
+IPN	15	07	28.0	1.3	6.5	
-IPZ	15	07	27.8	1.6	9.5	
-EXE	15	13	54.9	1.2	0.6	
+EXN	15	13	51.3	1.0	0.6	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
OCT 11	+EXZ	15	13	51.0	1.3	1.0
	LP-LRE	15	14	23.4	20.6	76.5
12	LP-LRN	15	14	22.5	24.4	35.5
	+ESE	15	17	35.5	2.4	4.0
	-ISN	15	17	35.0	3.9	7.0
	-ESZ	15	17	37.0	5.0	2.9
	+EPE	18	14	16.0	0.8	0.2
	+EPN	18	14	18.0	1.0	0.5
	+EPZ	18	14	15.8	0.9	0.5
	LP ESE	18	25	18.7		
	LP-ESN	18	25	24.4	15.0	1.5
	LP+LRE	18	54	03.7	21.5	16.5
LP+LRN	18	54	07.5	18.8	4.5	
13	+EPE	03	44	46.0	0.9	0.5
	+EPN	03	44	45.0	0.5	0.5
	-EPZ	03	44	46.9	0.7	0.3
	+EPN	08	51	08.5	0.5	0.8
	+EPZ	08	51	08.8	0.8	0.4
	+EPE	08	52	17.3	0.6	0.6
	+EPN	08	52	16.4	0.5	0.5
	EPZ	08	52	16.4		
	+EPE	12	24	01.5	1.4	2.4
	-EPN	12	24	00.1	0.5	0.6
14	+EPZ	12	24	01.2	1.0	0.3
	+IPE	20	14	03.5	1.1	1.5
	+EPN	20	14	02.7	0.9	0.7
	+EPZ	20	14	03.5	0.9	0.3
	+EXE	03	39	43.8	1.2	1.0
	-EXN	03	39	43.0	1.0	0.6
	-EPE	13	55	06.2	1.0	0.6
	-EPN	13	55	05.6	0.6	0.3
	-EPZ	13	55	05.0	1.0	0.5
	-EPE	22	25	01.5	1.4	0.5
14	+EPN	22	25	01.0	0.8	0.6
	-EPZ	22	25	01.0	1.2	0.7
	+EPE	03	12	29.0	1.5	0.5
	+EPN	03	12	29.8	1.0	0.5
	+EPZ	03	12	29.0	1.4	0.6
	-IPE	15	05	16.0	1.0	6.0
-IPN	15	05	16.4	0.6	1.0	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
OCT 14	-IPZ	15	05	16.0	1.1	8.0
	+ISE	15	15	17.0	1.3	2.0
	+ISL	15	15	17.0	1.1	1.6
	+ESZ	15	15	17.8	1.0	0.6
	+EPE	18	24	21.4	1.2	0.7
	-EPN	18	24	19.3	1.0	0.5
	-EPZ	18	24	19.8	1.0	0.6
	+EPE	19	57	29.0	1.1	0.5
	-EPN	19	57	28.0	0.8	0.6
	+EPE	22	22	59.0	1.0	0.6
	+EPN	22	22	58.7	0.6	0.5
	+EPZ	22	22	59.8	0.6	0.3
	-EPE	23	28	43.0	1.1	0.8
	+EPN	23	28	43.0	1.0	0.6
15	+EPZ	23	28	42.0	1.4	1.1
	+EPN	16	33	43.0	0.7	1.0
16	-EPZ	16	33	43.8	0.4	0.5
	+IPE	03	44	05.8	1.2	1.2
	-IPN	03	44	05.6	1.1	1.8
	+IPZ	03	44	05.8	1.4	2.6
	+EPE	12	23	29.9	1.0	0.7
	+EPN	12	23	30.0	0.9	0.4
	+EPE	17	33	01.1	1.0	0.6
	-EPN	17	33	02.3	0.7	0.6
	+EPZ	17	33	00.0	0.8	0.4
	+IPE	02	11	01.6	1.0	1.1
17	+IPN	02	11	01.0	0.9	1.2
	+IPZ	02	11	01.0	1.0	1.7
	+IPE	03	44	06.5	0.4	1.0
	-IPN	03	44	07.0	0.8	5.5
	+IPZ	03	44	06.1	1.2	5.0
	LP-EPE	03	44	00.0		
	+ISE	03	54	12.5	2.4	8.4
	-ISL	03	54	13.1	4.0	27.0
	+ISZ	03	54	13.5	1.7	5.6
	LP+ISE	03	54	11.2	12.2	4.5
+EPE	04	10	33.5	1.0	0.5	
-EPN	04	10	34.0	1.0	0.5	
LP+LKE	04	19	41.3	18.8	3.0	
+IPE	12	24	22.9	0.4	0.5	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
OCT 17	+EPN	12	04	23.0	1.0	0.6
	+EPZ	12	04	24.9	1.0	0.5
18	-EPE	03	32	03.0	1.8	2.5
	-EPN	03	32	05.0	1.0	1.6
	+EPZ	03	32	05.0	0.8	0.5
	+EPE	06	49	19.9	0.5	0.5
	+EPN	06	49	19.2	0.5	0.6
	-EPZ	06	49	18.2	1.0	0.6
	+EPE	21	37	09.0	1.0	0.5
	+EPN	21	37	09.1	1.0	0.4
	+EPZ	21	37	11.0	0.8	0.2
	+EPE	05	46	08.0	1.0	0.5
19	+EPN	05	46	08.5	1.0	0.5
	+EPZ	05	46	10.0	1.0	0.3
	+EPE	10	30	17.0	1.0	0.5
	+EPN	10	30	17.2	1.4	1.1
	+EPZ	10	30	17.0	1.8	0.3
	-EPE	17	12	23.0	1.0	0.5
	+EPN	17	12	25.0	1.1	0.4
	+EPE	17	29	39.7	1.0	0.6
	+EPN	17	29	40.9	0.9	0.6
	+EPZ	17	29	42.8	1.0	0.5
20	-EPE	01	54	51.0	0.5	0.5
	+EPN	01	54	51.6	1.1	0.4
	+EPZ	01	54	51.0	0.8	0.5
	+IPE	03	45	46.0	1.0	2.9
	+IPN	03	45	46.0	1.0	1.4
	-IPZ	03	45	46.0	1.0	3.5
	-EPE	04	15	12.0	0.6	0.5
	+EPN	04	15	10.2	1.0	0.5
	-EPN	07	37	49.0	1.2	0.5
	+EPZ	07	37	50.0	0.8	0.4
LP	+EPE	10	37	01.0	1.0	0.7
	+EPN	10	37	00.5	0.8	0.5
	+EPZ	10	37	01.5	0.8	0.3
	LP-EPZ	19	02	05.6	16.9	4.0
	+EPE	22	38	29.5	0.9	0.3
	+EPN	22	38	29.9	1.0	0.5
	-EPZ	22	38	29.9	1.0	1.0
	LP+SKSE	22	49	07.5	13.1	3.0

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
OCT 20	LP-SKSN	22	49	07.5	11.3	2.5	
	LP-ISE	22	49	30.0	11.3	6.0	
	LP+ISN	22	49	30.0	14.1	6.0	
	LP-PSE	22	50	37.0	16.0	6.5	
	LP-PSN	22	50	41.0	14.1	7.0	
	LP-LRE	23	15	15.0	20.6	12.5	
	LP+LRN	23	15	11.3	24.4	12.0	
	LP-LRZ	23	15	03.8	18.8	2.0	
	21	+EPE	07	15	19.0	0.9	0.9
		+EPN	07	15	19.5	1.0	0.5
		+EPZ	07	15	20.6	1.0	0.2
		-EPE	08	48	06.5	1.0	0.5
		+EPN	08	48	06.3	0.8	0.6
		+EPZ	08	48	06.3	0.8	0.6
-IPE		12	19	29.0	1.4	3.3	
-IPN		12	19	29.0	1.3	7.5	
+IPZ		12	19	28.7	1.6	8.5	
-EXE		12	23	09.7	1.5	2.7	
+EXN		12	23	10.7	1.1	5.1	
+EXZ		12	23	10.3	1.2	1.2	
LP-ESE		17	37	37.5	11.3	1.0	
LP-ESN		17	37	37.5			
22	-IPE	21	12	12.7	1.1	1.6	
	+IPN	21	12	12.6	1.0	2.0	
	+IPZ	21	12	12.1	0.8	1.0	
	-IPE	11	45	08.2	1.1	5.0	
	+IPN	11	45	08.9	1.0	2.2	
	+IPZ	11	45	08.2	1.0	3.7	
	-ISE	11	50	08.8	1.1	1.6	
	-ISN	11	50	08.7	1.6	3.7	
	-ISZ	11	50	08.9	2.0	1.4	
	-EXE	11	55	24.6	1.0	0.6	
	+EXN	11	55	23.0	0.9	0.5	
	-IPE	18	03	41.0	0.8	0.7	
	+EXN	18	03	40.8	0.7	0.8	
	-EPZ	18	03	42.8	0.8	0.2	
+ISE	18	03	54.9	1.7	1.2		
-ISN	18	03	54.9	4.2	4.3		
+ISZ	18	03	54.7	1.2	2.2		
-IPE	18	20	56.0	1.5	3.4		

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
OCT 22	+IPN	18	20	56.1	1.1	1.3
	+IPZ	18	20	56.0	1.6	3.0
23	+IPE	05	03	54.9	1.5	1.3
	-IPN	05	03	54.9	1.8	1.4
	+IPZ	05	03	54.7	1.4	2.5
	-IPE	05	42	21.0	1.1	1.6
	+IPN	05	42	21.1	1.0	1.1
	+IPZ	05	42	21.0	1.2	1.5
	-EPE	07	15	38.1	1.1	0.6
	+EPN	07	15	38.2	0.7	0.5
	+EPZ	07	15	39.0	1.0	0.2
	+EPE	17	31	05.5	0.8	0.4
24	+EPN	17	31	05.5	1.0	0.8
	-EPZ	17	31	05.5	1.2	1.6
25	+EPN	09	14	09.2	0.8	0.6
	-EPZ	09	14	10.9	0.6	0.5
26	+EPE	10	54	51.2	1.0	1.2
	+EPN	10	54	52.2	0.8	0.5
	+EPZ	10	54	51.2	0.8	1.5
	+ESE	11	05	21.2	1.6	1.5
	-ESN	11	05	20.5	1.5	0.7
	-ESZ	11	05	22.0	1.0	0.4
	LP+SKSE	11	05	24.4	12.2	2.5
	LP+ESE	11	05	57.2	13.1	4.5
	LP+EPSE	11	06	27.7	11.3	5.0
	-EPE	20	25	36.2	0.9	0.6
27	-EXN	20	25	40.8	1.0	0.5
	+EXZ	20	25	36.8	1.0	0.9
	-EPE	00	05	51.3	0.8	0.6
	+EPN	00	05	51.5	1.0	1.3
	+EPZ	00	05	51.8	0.7	0.5
	-EPE	18	40	10.9	1.0	0.6
	+EPN	18	40	10.0	1.0	0.4
	+EPZ	18	40	10.1	1.6	0.6
	LP+ESE	18	50	43.1	11.3	4.5
	LP+PSN	18	51	41.3	11.3	4.5
28	+EPE	07	02	05.0	1.0	0.8
	-EPN	07	02	04.0	0.4	0.5
	-EPZ	07	02	05.5	0.6	0.5
	-IPE	07	06	05.4	1.0	4.5

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
OCT 28	-IPN	07	06	05.5	1.0	3.0	
	+IPZ	07	06	05.2	1.0	7.0	
	LP+EPE	07	06	11.3	15.0	2.0	
	LP+EPN	07	06	11.3	13.1	2.0	
	-ESE	07	15	46.0	1.7	1.1	
	-ESN	07	15	44.7	3.0	2.5	
	+ESZ	07	15	45.5	1.4	0.6	
	LP-ISE	07	15	48.8	15.0	6.0	
	LP-ESN	07	15	50.6	15.0	2.5	
	LP-LRE	07	36	11.3	20.6	9.0	
	-IPE	07	38	25.5	1.0	3.1	
	-IPN	07	38	25.4	1.0	1.1	
	+IPZ	07	38	25.4	1.2	4.6	
	-IPE	14	50	39.7	1.4	4.6	
	-IPN	14	50	39.6	2.0	7.6	
	+IPZ	14	50	39.4	2.2	19.8	
	29	LP+LRZ	05	58	52.5	24.4	3.0
+EPE		06	03	23.3	1.2	1.0	
-EPN		06	03	23.5	1.2	1.0	
+EPZ		06	03	23.3	1.3	1.1	
+IPE		06	31	33.0	1.1	2.8	
+IPN		06	31	33.0	1.0	2.0	
-IPZ		06	31	33.0	1.1	4.0	
-EPE		08	49	17.9	1.0	1.0	
+EPN		08	49	18.7	1.0	1.0	
+EPZ		08	49	18.0	0.8	0.4	
-EXE		10	53	42.9	1.2	0.6	
+EPN		10	53	35.8	0.7	0.6	
+EXZ		10	53	44.3	1.0	0.5	
30		-EPE	08	36	03.5	0.8	0.8
		+EPN	08	36	04.3	0.8	0.6
		+EPZ	08	36	03.4	1.0	0.5
		+EPE	10	17	08.0	0.7	0.6
	-EPN	10	17	08.0	0.8	0.7	
	+EPZ	10	17	08.0	0.7	0.6	
	LP-LRE	10	47	33.8	16.9	3.0	
31	LP+LRZ	10	52	09.4	18.8	1.5	
	+EPE	08	41	44.0	0.8	0.5	
	-EPN	08	41	46.0	0.8	0.4	
	-EPZ	08	41	44.9	1.3	1.1	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
OCT 31	LP+EPE	08	41	54.5	7.3	4.0
	LP+EPN	08	41	52.7	9.1	1.5
	LP+EPZ	08	41	54.5	9.1	1.5
	+ESE	08	52	26.0	3.5	7.2
	+ESN	08	52	26.0	2.8	2.8
	+ESZ	08	52	23.2	2.6	1.6
	LP-ISE	08	52	41.6	16.6	97.5
	LP-ISN	08	52	41.2	15.9	39.5
	LP-ESZ	08	52	38.8	16.6	6.5
	LP+ISE	08	53	39.4	14.2	79.0
	LP-IPPSE	08	55	12.2	16.8	80.5
	LP-IPPSN	08	55	13.1	14.1	29.0
	LP+PPSZ	08	55	16.9	16.9	18.5
	+EXE	08	58	09.2	1.1	1.1
	+EXN	08	58	10.1	0.8	1.0
	+EXZ	08	58	10.0	1.1	1.5
	NOV 01	LP+LRN	09	21	18.8	19.7
LP-LRZ		09	21	29.1	20.0	20.5
+EPE		01	31	45.9	1.0	0.5
-EPN		01	31	46.3	0.6	0.2
+EPZ		01	31	45.8	1.0	0.5
+EXE		01	36	11.8	1.3	3.1
+EXN		01	36	09.4	1.1	1.0
+EXZ		01	36	11.7	1.5	3.5
LP-PPE		01	36	53.5	9.2	3.5
LP-PPZ		01	36	53.5	12.9	6.5
+EXE		01	42	14.5	1.2	1.5
+EXN		01	42	13.5	1.3	1.2
-EXZ		01	42	15.0	1.2	1.0
LP+SKSE		01	42	58.1	11.3	10.0
LP+PSE		01	45	56.3	13.1	13.5
LP+PSZ		01	45	51.0	19.1	6.0
LP+LRE		02	13	43.1	20.6	7.5
LP+LRZ	02	13	46.9	24.4	13.0	
+IPE	06	27	03.3	1.0	6.5	
-IPN	06	27	03.5	1.0	6.0	
-IPZ	06	27	03.2	0.8	11.6	
+ISE	06	36	48.8	2.0	18.8	
-ESN	06	36	48.0	1.7	2.6	
-ISZ	06	36	49.0	2.0	3.1	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
NOV 01	+EPE	18	53	31.5	1.5	1.6	
	+IPN	18	53	32.3	1.2	2.8	
02	+IPZ	18	53	31.7	1.7	2.6	
	+IPE	07	27	16.0	1.0	2.1	
	-IPN	07	27	16.2	0.8	4.0	
	-IPZ	07	27	16.1	0.8	1.5	
03	LP-LRZ	08	31	46.9	18.8	2.5	
	+EPE	02	21	28.1	1.1	0.6	
	-EPN	02	21	29.9	0.3	0.6	
	+IPE	05	32	36.9	0.8	1.0	
	-IPN	05	32	35.0	0.8	0.5	
	+IPZ	05	32	35.0	0.7	0.5	
	+EPE	06	58	12.1	0.9	1.5	
	-EPN	06	58	09.0	0.3	0.4	
	+EPZ	06	58	12.6	0.4	0.5	
	-EPE	07	15	47.0	1.0	1.5	
	-EPN	07	15	45.0	0.7	0.5	
	-EPZ	07	15	47.0	0.7	0.5	
	04	-IPE	10	28	57.0	1.4	1.1
		+EPN	10	28	58.0	0.5	0.5
+EPZ		10	28	57.0	1.5	1.0	
LP-LRN		10	33	35.6			
LP-LRZ		10	33	27.5			
LP-LRN		10	35	52.5	18.8	2.5	
LP+LRZ		10	36	20.3	20.3	3.5	
-EPE		12	25	51.4	1.0	0.8	
-EPN		12	25	51.9	0.8	0.5	
+IPZ		12	25	51.0	1.2	1.6	
05	+EPE	02	34	16.0	1.1	0.6	
	+EPN	02	34	15.9	1.1	0.6	
	+EPZ	02	34	15.5	1.0	0.5	
	+IPE	01	26	34.3	1.0	2.5	
06	-IPN	01	26	34.6	1.2	1.9	
	-IPZ	01	26	34.0	1.0	2.5	
	+IPE	12	50	02.6	0.9	1.8	
	+EPN	12	50	03.1	0.7	1.0	
	-IPZ	12	50	02.0	1.2	2.1	
	+IPE	10	16	02.4	0.9	2.1	
	-EPN	10	16	02.2	0.6	1.2	
	-EPZ	10	16	04.0	0.4	0.5	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
NOV 07	+EPE	16	16	35.0	1.0	1.1
	-EPN	16	16	35.2	1.2	1.5
08	-EPZ	16	16	35.2	1.2	1.0
	+EPE	11	13	25.0	1.6	1.1
	+EPN	11	13	25.3	1.0	0.8
	+EPZ	11	13	25.0	1.7	2.0
	-ESE	11	23	50.5	1.0	0.6
	+ESN	11	23	49.9	1.0	0.6
	+EPE	15	06	46.6	1.8	1.5
	-EPN	15	06	45.1	1.1	0.5
	+EPZ	15	06	46.5	2.0	2.0
	+ESE	15	17	12.3	2.5	1.8
	+ESN	15	17	12.5	2.0	1.0
	-EXE	16	28	40.0	1.0	0.3
	-EXN	16	28	38.0	1.2	1.0
	+EXZ	16	28	38.0	1.2	0.7
09	+EPN	18	05	12.1	1.0	0.7
	+EPZ	18	05	12.5	1.0	0.3
	-IPE	15	41	51.0	1.0	2.5
	-IPN	15	41	51.0	1.0	2.0
	+IPZ	15	41	50.8	1.0	3.1
	-EXE	20	48	43.8	1.3	0.7
	-EXN	20	48	47.0	0.7	0.5
	-EXZ	20	48	44.0	1.2	0.7
	LP-EPPZ	20	52	37.5	11.3	1.0
	-EPE	06	57	40.0	0.6	0.4
10	-EPN	06	57	39.6	1.1	1.3
	-EPZ	06	57	39.2	1.0	0.6
	+EPE	08	07	11.0	0.4	0.4
	+EPN	08	07	11.0	0.3	0.5
	+EPZ	08	07	13.0	0.5	0.5
	LP-LRN	13	57	11.3	20.6	4.5
	LP+LRZ	13	57	15.0	18.8	2.0
	LP+LRZ	14	36	31.9	18.8	2.0
10-11	NO RECORD					
	12					
12	-EPE	13	10	15.0	0.5	0.6
	-EPN	13	10	15.0	0.7	1.0
	+EPZ	13	10	15.5	0.4	0.5
	+EPE	21	44	43.5	1.0	2.5
	-EPN	21	44	44.4	1.0	0.7

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
NOV 12	+EPZ	21	44	43.5	1.0	3.0
	-EPE	01	20	40.0	0.8	0.5
13	-EPN	01	20	39.3	1.2	1.5
	+IPZ	01	20	39.3	1.3	1.1
	+IPE	16	08	16.2	1.1	1.5
	+IPN	16	08	16.7	1.0	0.8
	+IPZ	16	08	16.1	1.1	2.5
	+IPE	16	17	47.7	1.0	2.5
	-IPN	16	17	47.8	0.8	2.0
	-IPZ	16	17	47.3	1.0	3.5
	-ESE	16	27	01.8	1.0	0.8
	+ESN	16	27	01.5	1.1	0.7
	-ESZ	16	27	02.0	1.0	0.2
	+EPE	16	30	15.1	1.1	0.9
	+EPN	16	30	15.0	0.6	0.2
14	+EPZ	16	30	14.0	1.0	0.3
	+IPE	06	09	17.0	1.0	1.0
	-EPN	06	09	17.0	1.0	0.7
	+EPZ	06	09	19.9	0.8	0.6
	+EPE	07	36	34.0	1.0	0.4
	+EPN	07	36	35.0	0.7	0.6
	+EPZ	07	36	34.0	0.8	0.3
	-IPE	14	03	35.9	0.8	1.5
	+IPN	14	03	36.2	0.8	0.6
	+IPZ	14	03	36.0	0.6	1.0
	+ISE	14	08	33.9	0.8	0.5
	+ISN	14	08	34.0	0.7	0.5
	+ISZ	14	08	34.9	0.4	0.3
15	-IPE	00	10	34.3	0.6	0.7
	+IPN	00	10	34.5	0.6	1.0
	+IPZ	00	10	34.4	0.6	0.5
	-EPE	07	12	26.0	0.9	0.6
	+EPN	07	12	25.8	0.8	0.5
	+EPZ	07	12	25.1	1.0	0.5
	+EPE	08	28	03.0	1.0	0.9
	-EPN	08	28	03.0	0.8	0.5
	+EPZ	08	28	03.1	1.1	0.6
	LP-LRE	08	45	18.8	20.0	5.5
	LP-LRZ	08	45	30.0	15.8	2.5
	+EPC	09	45	51.3	1.0	0.6

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
NOV 15	+EPN	09	45	51.0	1.1	1.0
	-EPZ	09	45	51.0	1.1	1.0
	+EXE	21	33	51.2	2.0	1.5
	+EXN	21	33	51.1	2.0	1.2
16	-EPE	06	53	06.8	0.8	0.4
	+EPN	06	53	06.3	0.8	0.6
	-EPZ	06	53	06.5	0.8	0.4
	LP+ESE	21	03	54.4	13.1	5.0
	LP+ESN	21	03	52.5	13.1	2.5
	LP+LRE	21	35	30.0	20.6	4.5
	LP+LRN	21	35	26.3	20.6	5.5
17	+EPE	03	10	28.0	1.0	0.5
	-EPN	03	10	26.3	1.4	1.0
	+EPZ	03	10	26.2	1.4	1.2
	+EPE	06	56	30.0	0.7	1.3
	+EPN	06	56	30.0	0.7	0.6
	-EPZ	06	56	30.0	0.9	1.5
18	+EPE	10	45	19.2	1.0	0.8
	+IPZ	10	45	19.9	1.2	0.6
19	-EPE	03	47	38.7	1.8	1.7
	+EPN	03	47	39.0	1.2	0.6
	-EPZ	03	47	38.7	2.0	2.5
	LP+ISE	03	58	15.0	11.3	3.5
	LP+ESN	03	58	22.5		
	+IPE	06	30	00.0	2.2	9.0
	-IPN	06	30	00.0	2.0	11.1
	IPZ	06	30	00.0		
	+ESE	06	39	25.1	1.0	1.5
	+ISN	06	39	25.0	1.3	4.5
	+ESZ	06	39	23.8	1.1	1.0
	LP-EPE	06	39	31.4	12.9	4.0
	LP+IPN	06	39	28.1	10.3	5.5
	+IPE	11	26	13.5	1.3	6.5
	-IPN	11	26	13.2	1.0	2.0
	+IPZ	11	26	13.1	1.8	9.0
	+IPE	19	58	03.9	1.0	1.6
	-IPN	19	58	04.0	1.0	2.5
	+IPZ	19	58	04.0	1.0	3.0
20	-EPE	01	01	49.9	1.0	1.3
	+EPN	01	01	50.0	0.5	0.3

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
NOV 20	-EPZ	01	01	49.8	1.1	1.5	
	+EPE	06	35	15.1	1.5	2.0	
	+EPN	06	35	16.3	0.8	0.5	
	+EPZ	06	35	16.4	0.6	0.6	
	-IPE	15	19	40.1	1.1	2.0	
	-IPN	15	19	40.2	1.3	3.0	
21	IPZ	15	19	40.0			
	+EPE	01	33	34.9	1.2	1.5	
	+EPN	01	33	34.8	1.6	0.8	
	-EPZ	01	33	35.0	1.5	1.5	
	+IPE	04	57	46.5	1.2	7.0	
	+IPN	04	57	46.0	0.9	0.5	
	+IPZ	04	57	46.4	1.2	5.0	
	+EXE	05	07	44.1	1.3	0.6	
	-EXN	05	07	45.1	1.5	1.3	
	-EXZ	05	07	46.0	1.2	1.0	
	22	+IPE	02	47	33.8	1.4	2.0
		+IPN	02	47	35.5	0.7	0.5
+IPZ		02	47	34.0	1.4	2.5	
23	+IPE	00	49	43.0	1.0	0.8	
	+IPZ	00	49	43.0	1.2	1.1	
	-EXE	01	00	39.0	2.1	1.8	
	-EXN	01	00	39.0	2.3	1.7	
	-EPN	00	49	43.0	1.0	0.5	
	-EPE	07	16	39.1	0.5	0.5	
	-EPN	07	16	39.1	1.0	0.7	
	+EPZ	07	16	39.2	0.8	0.5	
	LP+EPZ	14	04	11.3	20.6	8.5	
	LP+EXZ	14	11	41.8	17.8	6.0	
	LP+EPZ	18	12	03.6	20.9	7.5	
	25	+EPE	08	19	49.1	1.7	1.3
+EPN		08	19	50.5	2.0	0.8	
+EPZ		08	19	49.0	2.6	1.6	
LP+ESE		08	30	25.5	9.1	3.0	
LP-ESN		08	30	25.5	9.1	1.0	
LP-SCSE		08	30	50.6	13.1	5.5	
LP-PSE		08	31	58.1	13.1	7.5	
LP+LQN		08	52	24.4	15.0	5.0	
LP+LRE		08	54	56.3	30.0	9.5	
26		+IPE	00	30	34.0	1.2	0.8

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
NOV 26	-EPN	00	30	33.3	2.0	1.5
	-EPZ	00	30	33.4	2.0	2.5
	+EPE	03	39	50.8	1.0	0.9
	+EPN	03	39	49.2	1.1	0.5
	+EPZ	03	39	50.0	1.0	0.5
26-27	NO RECORD					
	28	+IPE	01	19	01.5	1.6
29	+IPN	01	19	02.4	1.3	2.8
	+IPZ	01	19	01.7	1.7	3.8
	LP-LRE	01	34	13.3	21.0	2.0
	+EPE	12	33	33.0	1.1	1.9
	+EPN	12	33	31.0	0.3	0.5
	+EPZ	12	33	33.9	1.1	1.6
	+EPE	16	57	36.0	1.3	0.6
	+EPN	16	57	36.0	1.5	0.5
	-EPZ	16	57	35.5	1.5	0.5
	+IPE	21	39	47.8	1.0	1.5
	+EPN	21	39	47.5	1.0	1.5
	29	-IPZ	21	39	47.5	1.0
LP-EPE		02	42	20.3	11.0	3.0
LP-EPN		02	42	19.4	10.2	1.5
+IPE		09	12	34.0	1.5	1.5
-IPN		09	12	34.0	1.4	1.7
+IPZ		09	12	34.0	1.5	1.2
+IPE		10	52	57.0	1.5	2.2
-EPN		10	52	58.0	0.8	0.4
+EPZ		10	52	56.0	2.4	1.8
LP+EPE		10	52	58.1	11.3	1.5
-ESE		10	57	48.4	2.2	4.0
+ISN		10	57	49.0	2.0	4.0
+ESZ	10	57	50.9	1.3	1.0	
LP-ESN	10	57	50.6	11.3	4.0	
LP-ISE	10	57	46.9	14.1	11.0	
LP+LRE	11	01	20.6	28.1	10.0	
LP-LRN	11	01	18.8	20.6	9.5	
+EXE	11	03	32.3	2.2	2.4	
+EXN	11	03	30.4	2.9	7.0	
+IPE	14	21	03.3	0.5	0.6	
+IPN	14	21	02.9	0.9	1.2	
+EPZ	14	21	03.2	0.7	0.4	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
NOV 29	+EPE	15	06	56.7	1.1	0.6	
	+EPN	15	06	58.0	1.8	1.0	
	+IPZ	15	06	56.4	2.2	2.0	
	+ESE	15	10	32.0	2.0	1.1	
	-ESZ	15	10	34.0	2.1	1.2	
	30	+IPE	04	04	53.0	1.0	0.5
		+EPN	04	04	54.5	1.1	1.0
		-EPZ	04	04	53.0	1.0	0.5
		+EPE	08	59	10.3	1.0	0.5
		+EPN	08	59	11.0	0.8	0.5
		-EPE	20	50	17.0	0.8	0.5
		+EPN	20	50	16.8	0.3	0.3
		+EPZ	20	50	14.8	2.5	0.9
		-EXE	21	01	18.1	1.8	0.6
+EXN		21	01	16.5	1.2	0.7	
DEC 01	+EXZ	21	01	18.2	1.8	0.5	
	+EPE	00	22	58.5	1.0	1.2	
	-EPN	00	23	00.7	1.2	1.5	
	-EPZ	00	23	00.5	0.5	0.5	
	-IPE	02	26	52.8	1.4	1.1	
	-EPN	02	26	53.4	1.3	2.0	
	-IPZ	02	26	52.8	1.4	2.4	
	+EPE	06	50	27.5	0.8	1.5	
	+EXN	06	50	28.0	0.7	1.5	
	-EXZ	06	50	28.0	1.0	0.5	
	LP-EPN	21	01	28.1	09.4	1.0	
	LP+EPE	21	01	28.1	11.3	2.5	
	02	+EPE	05	36	03.2	0.8	0.5
		-EPN	05	36	03.3	0.8	1.0
+EPZ		05	36	03.3	0.9	1.0	
-EPE		06	27	46.0	0.7	1.0	
-EPN		06	27	47.0	0.3	0.7	
-EPZ		06	27	47.1	0.4	0.3	
-EPE		07	30	29.2	1.0	0.8	
-EPN		07	30	29.0	1.5	1.6	
+EPZ		07	30	29.0	1.2	0.5	
-EXE		07	42	51.5	1.2	2.4	
-EXN		07	42	50.0	1.0	1.2	
+EXZ		07	42	51.8	1.0	0.6	
-EPE		07	52	45.0	0.9	0.7	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
DEC 02	-EPN	07	52	43.1	0.9	0.5	
	-EPE	06	09	11.7	1.7	0.8	
	+EPN	06	09	11.6	1.0	0.5	
	+EPZ	06	09	11.0	1.2	0.4	
	-IPE	11	58	25.5	1.2	3.0	
	-IPN	11	58	25.5	1.1	0.8	
	-IPZ	11	58	25.5	1.2	3.0	
	+EPE	12	39	24.4	0.6	0.6	
	+EPN	12	39	25.0	0.6	0.6	
	-EPZ	12	39	25.0	0.5	0.3	
	04	-EXE	08	51	22.0	0.7	2.9
		-EXN	08	51	20.9	0.8	0.7
	04-05	+EXZ	08	51	22.0	1.0	0.3
		NO RECORD					
05		+IPE	14	38	43.0	1.0	5.5
		+IPN	14	38	43.1	0.6	0.7
+IPZ		14	38	43.0	1.0	5.0	
+ISE		14	48	07.2	1.8	8.0	
+ISN		14	48	07.0	1.8	3.5	
+ISZ		14	48	08.0	1.2	1.2	
06		+EPE	01	34	26.0	1.0	1.5
		-EPN	01	34	28.4	0.8	1.0
		-EPZ	01	34	29.0	1.1	0.9
		-EPE	05	46	23.4	1.1	1.1
		+EPN	05	46	23.1	1.0	0.7
		+EPZ	05	46	23.2	1.1	1.2
	+EPE	17	22	57.0	1.2	1.4	
	-EPN	17	22	57.0	1.1	1.5	
	+EPZ	17	22	57.0	1.2	1.6	
	-EPE	20	57	16.0	1.0	0.5	
	-EPN	20	57	17.8	0.9	0.5	
	+EPZ	20	57	18.0	1.0	0.5	
	+IPE	22	59	00.6	1.1	2.2	
	+EPN	22	59	00.5	1.1	1.3	
-IPZ	22	59	00.5	1.3	3.4		
-ISE	22	59	25.0	1.0	3.5		
-ESN	22	59	25.3	1.0	1.6		
+ISZ	22	59	25.0	1.1	4.5		
07	+IPE	04	15	34.3	1.8	1.2	
	+IPN	04	15	35.0	0.6	1.0	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
DEC 07	+IPZ	04	15	34.0	2.0	4.0
	LP-EPZ	04	15	36.9	11.3	1.0
	+ISE	04	19	20.0	2.0	2.5
	+ESN	04	19	21.2	1.2	1.3
	+ESZ	04	19	20.0	2.1	2.3
	LP+ESZ	04	19	35.1	9.4	1.5
	+ESE	04	26	05.5	1.1	0.6
	+ESN	04	26	05.3	2.0	1.2
	LP-LRE	04	55	11.1	18.5	2.5
	LP-LRZ	04	55	14.8	20.3	4.0
	-IPE	08	08	58.2	1.4	4.5
	+IPN	08	08	58.1	1.0	0.6
	-IPZ	08	08	58.0	1.4	3.0
	LP-EPZ	08	10	22.2	9.2	1.5
	LP+EPE	08	10	24.0	7.4	1.0
	LP-ESE	08	14	57.2	12.9	1.5
	LP+ESZ	08	14	55.4	12.0	1.0
	LP+LRE	08	21	37.5	18.8	4.0
	LP+LRZ	08	21	45.0	18.8	8.0
	LP+EPE	09	27	59.1	5.5	1.0
LP+IPZ	09	27	57.2	7.4	4.5	
LP+ISZ	09	40	18.5	16.6	8.0	
	NO RECORD					
08	+EPE	19	15	21.1	1.1	0.6
	+EPN	19	15	21.5	1.0	0.5
	+EPZ	19	15	21.1	1.2	1.7
	+EPE	23	12	52.1	1.2	0.7
	+EPN	23	12	53.1	1.3	0.5
09	-EPZ	23	12	51.1	1.1	0.7
	-EPE	01	35	44.4	1.0	0.7
	-EPZ	01	35	44.4	1.0	1.0
	-EXE	01	37	49.8	1.4	1.4
	+EXZ	01	37	50.0	1.5	1.6
	+ESE	01	45	24.0	2.2	4.5
	+ESN	01	45	24.3	1.5	2.7
	+ESZ	01	45	25.0	1.3	1.0
	+IPE	09	27	53.5	1.2	1.2
	+IPN	09	27	53.0	1.0	0.8
	-IPZ	09	27	52.1	1.7	1.9
	-ESE	09	38	35.0	3.0	2.5

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
DEC 09	-ESN	09	38	36.8	1.9	1.0
	+EPE	00	02	38.0	0.9	0.6
11	+EPN	00	02	37.8	0.9	1.1
	-EPZ	00	02	38.0	0.5	0.4
	+EPE	00	33	32.0	0.8	0.8
	+EPN	00	33	33.0	0.8	0.5
	+EPZ	00	33	34.0	1.2	0.4
	+IPE	20	29	46.4	0.6	1.0
	+EPN	20	29	46.1	1.0	0.8
	-IPZ	20	29	46.3	1.0	1.0
	-EPE	02	42	27.0	0.9	1.0
	-EPN	02	42	26.9	1.0	1.5
	+EPZ	02	42	27.0	1.0	1.0
	+EPE	03	19	50.5	0.9	0.6
	+EPN	03	19	50.2	0.6	0.5
	+EPE	04	48	12.4	0.6	0.8
	-EPN	04	48	12.7	1.0	1.5
	+EPZ	04	48	12.8	1.0	0.6
	+EPE	07	47	29.9	0.7	1.5
	-EPN	07	47	29.0	0.5	0.5
	-EPZ	07	47	29.9	1.0	1.0
	-EPE	09	54	22.7	0.7	0.6
+EPN	09	54	22.5	0.4	0.7	
-EPE	11	43	55.8	1.0	1.5	
+EPN	11	43	57.0	1.3	0.6	
+EPZ	11	43	57.0	1.5	2.0	
-IPE	13	21	53.0	1.2	1.7	
+IPN	13	21	53.0	1.5	1.4	
+IPZ	13	21	52.4	1.5	2.0	
+EXE	13	49	24.0	1.5	2.0	
-EPN	13	49	23.8	1.1	1.0	
-EXZ	13	49	21.0	1.5	1.5	
-EPE	04	39	06.0	1.0	2.0	
+EPN	04	39	08.0	0.4	0.5	
-EPZ	04	39	06.2	1.0	1.6	
+EPE	06	34	54.9	1.0	0.6	
+EPN	06	34	55.0	1.0	0.6	
+EPZ	06	34	56.8	1.1	0.2	
-IPE	23	44	48.1	1.7	1.7	
+EPN	23	44	48.1	1.5	1.5	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
DEC 13	-IPZ	23	44	48.4	1.6	2.1
	+ESE	23	46	27.0	1.2	1.5
	-ESN	23	46	25.6	1.0	1.0
14	-ESZ	23	46	26.0	1.8	1.9
	+EPE	03	29	15.1	0.8	0.5
	+EPN	03	29	15.2	1.0	1.0
15	-EPZ	03	29	15.2	1.0	0.5
	+IPE	04	36	07.0	1.1	3.5
	-IPN	04	36	07.0	1.1	4.5
16	+IPZ	04	36	07.0	1.0	4.5
	+IPE	13	50	29.9	1.0	1.0
	+EPN	13	50	28.0	0.9	0.5
17	+EPZ	13	50	28.2	1.0	0.5
	-EPE	14	19	30.2	1.2	2.0
	+EPN	14	19	31.0	0.8	1.4
18	+EPZ	14	19	31.6	1.0	0.5
	+EPE	21	05	06.2	0.8	0.8
	+EPN	21	05	06.8	0.9	3.5
19	+EPZ	21	05	06.9	0.5	1.2
	-EPE	21	14	25.0	1.0	0.9
	+EPN	21	14	23.8	0.9	0.7
20	-EPZ	21	14	23.8	1.0	0.7
	+EPE	05	47	44.2	0.9	0.6
	+EPN	05	47	42.2	0.8	0.4
21	+EPZ	05	47	45.3	0.8	0.4
	-EXE	05	47	48.6	1.0	1.1
	-EXN	05	47	48.7	0.7	0.7
22	+EXZ	05	47	47.8	1.0	1.0
	-EXE	05	58	10.0	1.6	1.1
	-EXN	05	58	10.2	3.4	2.1
23	+EXZ	05	58	09.3	3.0	0.6
	+IPE	07	55	12.0	1.2	1.2
	+EPN	07	55	13.0	1.0	2.0
24	+IPZ	07	55	12.0	1.1	1.8
	-EPE	00	36	11.4	1.5	1.3
	+EPN	00	36	12.9	1.0	0.5
25	+EPZ	00	36	11.0	1.3	1.0
	+EPE	22	57	46.1	0.7	1.8
	+EPN	22	57	46.1	0.6	0.6
26	-EPZ	22	57	46.2	1.7	2.0

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)
		H	M	S		
DEC 19	-IPE	02	27	31.9	1.5	3.6
	+IPN	02	27	31.9	1.5	1.6
	-IPZ	02	27	31.9	2.0	5.4
20	+ESE	02	38	28.5	2.9	2.1
	+ESN	02	38	28.1	2.5	1.0
	-EPE	11	29	44.1	0.8	0.5
21	+EPN	11	29	45.0	1.1	0.5
	+EPZ	11	29	45.9	1.1	0.3
	+IPE	23	37	55.0	0.8	0.8
22	-IPN	23	37	55.0	1.0	1.5
	-IPZ	23	37	55.4	0.6	0.5
	+EPE	02	56	07.7	1.1	1.0
23	-EPN	02	56	07.8	1.0	0.6
	+EPZ	02	56	07.4	1.1	0.9
	+EPE	03	58	04.0	1.1	0.9
24	-EPN	08	58	05.0	0.8	0.6
	-IPE	12	34	00.0	1.0	1.4
	-IPN	12	34	00.0	0.8	1.0
25	-IPZ	12	33	59.9	1.0	2.1
	-IPE	20	19	39.4	1.1	3.0
	-IPN	20	19	39.6	1.0	4.6
26	+IPZ	20	19	39.2	2.0	6.4
	+EPE	01	08	44.9	0.9	0.6
	-EPN	01	08	44.9	0.9	1.0
27	+EPZ	01	08	44.9	0.7	0.6
	+EPE	07	38	09.1	1.0	1.0
	-EPN	07	38	10.0	0.9	0.2
28	+EPZ	07	38	10.2	0.8	0.5
	-IPE	11	12	51.3	1.0	2.0
	-EPN	11	12	51.8	0.7	0.8
29	-IPZ	11	12	51.0	0.8	3.2
	+EXE	11	15	03.0	2.0	15.0
	-EXN	11	15	05.5	0.7	3.5
30	-EXZ	11	15	02.0	2.2	9.0
	+EXE	11	23	42.3	1.3	2.5
	+EXN	11	23	46.0	0.9	1.0
31	+EXZ	11	23	40.5	1.5	1.5
	-EPE	14	26	31.3	0.8	0.6
	+EPN	14	26	31.3	0.9	1.4
1	-EPZ	14	26	31.3	0.8	1.0

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
DEC 22	+EPE	12	25	08.0	1.5	1.3	
	+EPN	12	25	08.1	0.4	0.5	
	+EPZ	12	25	10.0	0.5	0.5	
23	+EPE	03	43	04.1	1.0	1.0	
	+EPN	03	43	04.5	1.1	1.3	
	-EPZ	03	43	04.2	1.6	1.1	
	+EPE	10	52	44.0	0.5	0.8	
	+EPN	10	52	42.0	0.4	0.6	
	+EPZ	10	52	43.9	0.6	0.3	
24	-EPE	05	31	19.9	0.4	1.5	
	+EPN	05	31	17.7	1.0	0.6	
	+EPZ	05	31	18.9	0.6	0.4	
	-IPE	08	06	41.6	1.1	3.0	
	+EPN	08	06	41.2	1.0	1.5	
	+IPZ	08	06	41.4	1.1	1.8	
	+EXE	10	10	47.1	0.9	0.8	
	+EXN	10	10	48.9	0.8	0.3	
	+EXZ	10	10	47.0	1.4	1.2	
	-EPE	05	35	55.0	0.6	1.0	
	-EPN	05	35	55.0	0.7	0.9	
	+EPZ	05	35	54.6	0.8	2.0	
25	+IPE	23	35	14.0	1.5	3.4	
	+IPN	23	35	16.0	0.7	0.8	
	-IPZ	23	35	13.2	2.5	6.0	
	-ISE	23	45	32.0	1.5	3.0	
	+IPN	23	45	35.0	2.0	8.0	
	-ISZ	23	45	33.3	2.4	2.8	
	27	+EPE	23	46	10.9	1.5	1.0
		+EPN	23	46	10.0	1.1	0.9
		+EPZ	23	46	10.9	1.3	1.5
		+ESE	23	47	49.5	1.1	1.0
		-ESN	23	47	50.8	1.5	1.3
		+ESZ	23	47	49.5	1.0	0.6
28	-IPE	15	36	26.5	2.6	18.0	
	-IPN	15	36	26.8	1.6	1.2	
	-IPZ	15	36	26.4	2.0	20.2	
	+IPE	15	45	57.6	2.9	16.5	
	+IPN	15	45	57.5	1.8	6.0	
	-IPZ	15	45	57.5	2.4	3.1	
	+EPE	21	40	11.5	0.9	0.5	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MM)	
		H	M	S			
DEC 28	+EPN	21	40	12.2	0.8	0.5	
	+EPE	22	34	54.0	1.1	0.8	
	+EPN	22	34	54.0	0.8	0.6	
	+EPZ	22	34	53.8	0.8	1.2	
	+EPE	23	15	50.8	0.6	0.6	
	+EPN	23	15	53.0	1.0	0.3	
	+ESE	23	17	40.0	1.0	1.0	
	+ESN	23	17	42.7	1.1	1.4	
	29	+EPE	01	44	30.0	0.5	0.5
		-EPN	01	44	31.0	0.6	0.5
		-EPZ	01	44	31.0	0.6	0.4
		+EPE	02	00	22.1	1.0	1.1
-EPN		02	00	22.0	1.2	0.6	
+EPZ		02	00	23.0	0.8	0.4	
-EPE		02	07	49.0	0.6	0.6	
+EPN		02	07	48.0	0.6	0.5	
-EPZ		02	07	49.0	0.7	0.3	
-IPE		03	47	52.8	1.1	4.5	
-IPN		03	47	52.0	1.5	4.0	
+IPZ		03	47	52.0	1.3	5.0	
30	+ESE	03	54	25.0	5.1	11.5	
	+ESN	03	54	27.4	2.1	1.5	
	-ESZ	03	54	29.0	2.8	1.1	
	-IPE	05	03	25.5	1.3	1.5	
	-EPN	05	03	25.5	1.3	0.7	
	+IPZ	05	03	25.5	1.8	2.0	
	-IPE	09	38	13.5	1.2	3.5	
	-EPN	09	38	13.4	1.0	2.5	
	+IPZ	09	38	13.4	1.3	4.0	
	-IPE	16	12	45.0	1.0	3.3	
	+IPN	16	12	44.7	0.8	1.7	
	+IPZ	16	12	44.0	1.2	3.5	
31	+IPE	07	47	17.0	1.1	2.5	
	+EPN	07	47	18.5	0.9	0.7	
	+IPZ	07	47	17.0	1.2	3.0	
	+EPE	14	07	00.7	1.8	1.0	
	-EPN	14	07	01.0	0.8	1.0	
	+EPZ	14	07	01.3	1.2	1.0	
	+EPE	00	15	41.8	1.0	0.9	
	+EPN	00	15	43.0	1.0	0.3	

DATE	PHASE	ARRIVAL TIME			PERIOD (S)	AMP (MA)
		H	M	S		
DEC 31	+EPZ	00	15	42.0	0.9	0.3
	-EPE	01	40	52.4	2.0	3.0
	-EPN	01	40	54.0	1.0	1.0
	-EPE	07	21	19.0	1.0	1.5
	+EPN	07	21	20.0	0.7	0.5
	+EPZ	07	21	18.5	0.9	1.5