

Seismological Bulletin of Syowa Station, Antarctica

1970

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Seismological observations at Syowa Station in January 1970 were carried out by Mr. Minoru Masuda of the 10th Japanese Antarctic Research Expedition using a three-component HES seismograph and long-period seismographs of three-components.

One of the authors (Heihachiro Chiba) participated in the 11th expedition to succeed the observations during a period from February 1970 to January 1971. The seismographs had been installed at $69^{\circ}00.4'S$ in latitude and $39^{\circ}35.7'E$ in longitude on Precambrian gneiss at an altitude of 21 metres MSL till February 28, 1970.

A new seismographic hut was built at the foot of a Precambrian small hill which is 300 metres southwest of the old one. A part of the steep slope was cut into a L shape for the purpose of constructing the new room. The coordinates of the room were $69^{\circ}00'31.7''S$ in latitude and $39^{\circ}35'31.6''E$ in longitude. The elevation was 20 metres above MSL.

The observation at the new room was commenced on March 1, 1970. The present report describes the data of 1970, and the data of the respective seismic events interpreted from the seismograms are listed in chronological order.

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).
3. Arrival time in G. M. T.
4. Period of the phase in seconds.
5. Amplitude in millimetres.
6. P. D. E. card number of CGS, if a hypocenter and an origin time were determined by USCGS.

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 $\mu = 1/5$ till February 28, 1970 and $\mu = 1/4$ since March 1, 1970.

A three-component long-period (LP) seismograph of Press-Ewing type was reformed so as to obtain better data.

The read-out data were sent from Syowa Station to USCGS, now called ERL (Environmental Research Laboratories), throughout the wintering period.

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 x 10 ⁻⁵	2.03 x 10 ⁻⁵	2.03 x 10 ⁻⁵
R ₁ (Ω)	940	920	930
Ω ₁ (Ω)	820	1160	920
h ₁	1.0	1.0	1.0
1970-1971			
T ₂ (s)	1.00	1.00	1.10
S ₂ (A/mm)	1.30 x 10 ⁻⁹	1.34 x 10 ⁻⁹	1.47 x 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	21.0
S ₂ (A/mm)	4.4 x 10 ⁻¹⁰	5.0 x 10 ⁻¹⁰	4.0 x 10 ⁻¹⁰
R ₂ (Ω)	370	370	370
Ω ₂ (Ω)	1130	1130	1130
h ₂	1.0	1.0	1.0

T₁ : Period of the pendulum.

T₂ : Period of the galvanometer.

S₁ : Sensitivity of the transducer.

S₂ : Sensitivity of the galvanometer.

R₁ : Resistance of the pendulum coil.

R₂ : Resistance of the galvanometer coil.

Ω₁ : External damping resistance of the transducer.

Ω₂ : External damping resistance of the galvanometer.

h₁ : Damping constant of the pendulum.

h₂ : Damping constant of the galvanometer.

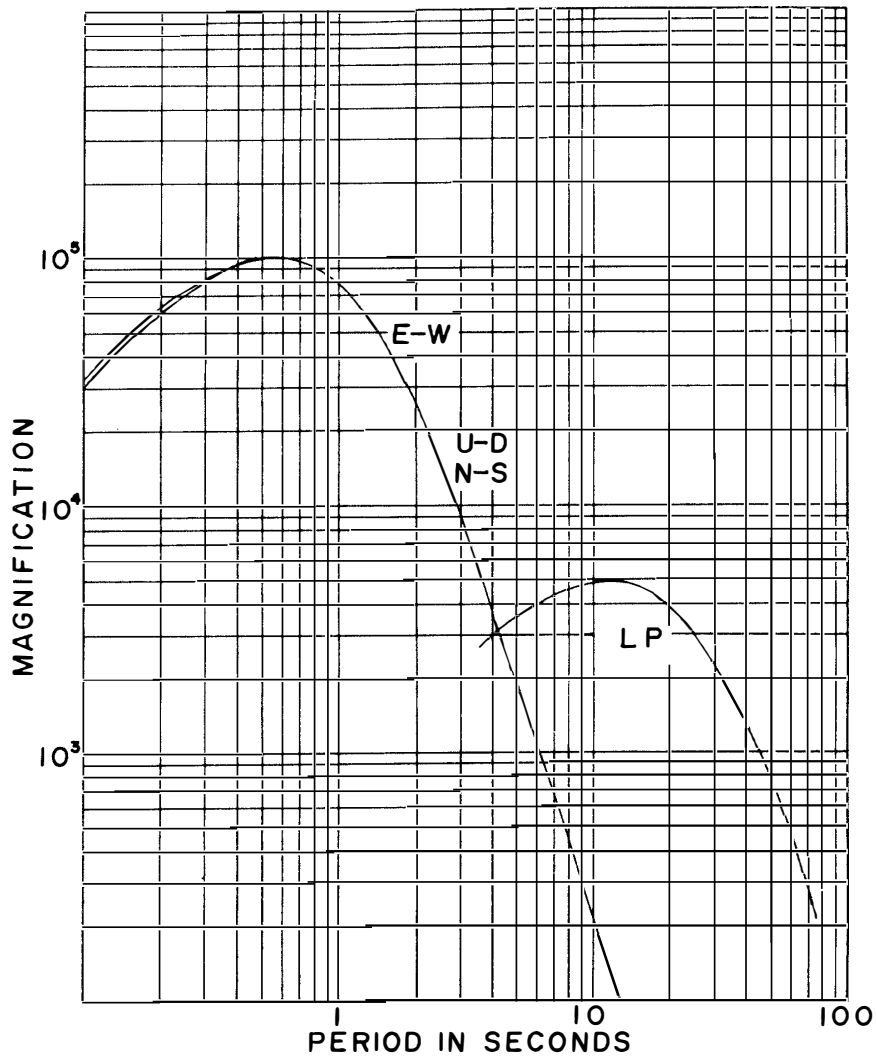


Fig. 1. Magnification curves of HES and long period seismographs.

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	
		h	m	s						h	m	s				
1970																
Jan. 01	- ePE	14	23	11.7	1.4	4.2		Jan. 06	+ iPZ		48	47.2	1.6	3.4		
	+ ePN			11.2	1.0	1.0			+ eSZ		59	34.4	2.6	0.6		
	+ ePZ			11.5	1.4	1.8		06	- ePE	06	12	02.9	0.8	1.0		
01 - 02	Extreme microseismic activity									- ePN			02.7	0.8	1.0	
01	+ ePE	15	52	59.7	1.4	2.0			+ ePZ			02.8	1.0	0.5		
	+ ePZ			59.7	1.2	2.0		06	- ePE	10	26	13.0	1.0	0.6		
01	+ iPE	17	22	56.7	1.8	2.2			- ePN			12.0	1.0	0.6		
	+ eSE		32	47.1	1.8	0.5			- ePZ			13.0	1.0	1.0		
	- iPN		22	56.7	1.8	3.4		07	+ ePE	00	00	04.8	0.6	0.4		
	- eSN		32	47.7	2.0	2.0			- ePN			04.8	0.6	0.4		
	- iPZ		22	56.7	1.8	9.3			+ ePZ			04.8	0.6	0.5		
	+ eSZ		32	47.5	2.0	1.6		07	+ ePE	09	36	41.0	1.4	0.5		
01	+ ePE	20	05	40.4	0.8	0.5			+ eXE		39	50.6	2.0	4.0		
	- ePN			40.3	1.0	0.7			- ePN		36	41.0	1.6	2.0		
	- ePZ			40.5	0.8	0.8			+ eXN		39	50.5	2.0	1.5		
02	+ ePE	15	50	23.5	0.6	0.3			+ ePZ		36	40.9	1.6	2.1		
	- ePN			23.5	0.6	0.3			+ eXZ		39	50.5	1.8	2.5		
03	+ ePE	14	49	26.4	1.0	0.6		07 - 08	Extreme microseismic activity							
	+ ePN			26.6	1.0	0.3		08	+ ePE	12	12	21.2	1.2	0.5		
	- ePZ			26.4	1.0	0.4			+ ePN			21.4	1.4	0.3		
03	- ePE	22	38	56.2	1.2	0.7			- ePZ			21.8	1.2	0.4		
	+ ePN			56.2	1.4	0.4		08	- iPE	17	23	44.0	1.6	1.8		
	+ ePZ			55.6	1.0	1.2			+ eSE		32	47.8	2.8	10.8		
04	- ePE	00	44	31.6	1.0	0.7			+ iPN		23	44.0	1.6	3.5		
	- ePN			32.3	1.2	0.7			+ eSN		32	46.0	2.4	3.6		
	+ ePZ			31.7	1.0	0.8			+ iPZ		23	44.0	1.8	9.5		
04	+ ePN	01	14	21.7	1.0	0.4			- eSZ		32	47.7	1.6	2.0		
	+ ePZ			21.7	0.6	0.4		09	+ ePE	04	28	54.7	0.6	0.4	07	
04	+ iPE	08	27	34.3	1.2	1.0			- ePN			54.9	0.6	0.7		
	- ePN			34.3	1.2	0.5			+ ePZ			55.1	0.6	1.0		
	+ iPZ			34.3	1.2	1.5		09	+ iPE	04	54	29.7	1.4	1.6		
04	- ePE	08	43	52.5	1.2	1.3	01		- iPN			29.7	1.6	3.2		
	+ ePN			52.7	1.0	0.5			+ iPZ			29.5	1.4	2.5		
	+ ePZ			52.6	1.0	1.2		09	+ ePE	19	42	34.2	0.8	0.5		
04 - 05	Extreme microseismic activity									+ ePN			33.7	0.8	0.3	
06	- ePE	05	48	47.2	1.4	1.3	03		+ ePZ			33.9	0.8	0.3		
	+ eSE		59	34.2	3.2	2.2		09	+ ePE	23	26	12.2	1.2	1.4		
	+ ePN		48	47.2	1.2	0.6			- eXE		28	08.3	1.8	2.0		
	+ eSN		59	35.0	4.0	2.0			- ePN		26	12.4	1.0	0.8		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Jan. 09	+ eXN	23	28	08.3	1.6	0.6		Jan. 13	+ iPZ	22	44	26.5	0.6	1.7	
	+ ePZ		26	12.0	1.0	0.6		14 - 15	Extreme microseismic activity						
	+ iXZ		28	08.3	1.8	4.2		15	+ ePE	10	53	48.4	1.0	1.0	
10	- ePE	11	37	55.5	1.0	1.0			- ePN			47.9	1.0	0.3	
	+ ePN			55.4	1.0	0.6		16	+ ePZ			47.9	0.8	0.3	
	+ ePZ			55.6	1.0	1.6			+ ePE	08	26	47.6	1.6	1.2	
10	- ePE	12	20	25.4	1.2	1.0			+ eSE		37	16.1	2.2	6.2	
	+ eSE		30	54.8	3.6	1.5		17	- ePE	04	08	29.6	1.4	0.8	
	+ ePN		20	25.2	1.2	0.4			- ePN			29.6	1.6	1.4	
	+ eSN		30	54.6	2.8	0.8			+ ePZ			29.6	1.4	2.6	
	+ iPZ		20	25.4	1.2	2.0		17	- ePE	11	00	11.7	0.8	0.7	
	+ eSZ		30	54.3	3.6	2.2			+ ePN			11.9	1.0	1.0	
10	- iPE	14	12	15.8	1.0	1.0			+ ePZ			11.9	1.0	1.0	
	- ePN			16.5	0.8	0.8		17 - 18	Extreme microseismic activity						
	+ iPZ			15.8	1.0	1.3		18	+ ePE	18	59	53.4	1.0	1.0	
10	- ePE	14	29	47.1	1.4	1.3	04		- ePN			53.4	1.0	0.4	
	- eSE		40	16.5	2.4	1.8			- ePZ			52.6	1.4	2.3	
	+ ePN		29	47.3	1.2	0.8		19 - 20	Extreme microseismic activity						
	- eSN		40	16.8	1.6	1.0		19	+ ePE	15	40	54.4	1.2	1.0	
	+ ePZ		29	47.3	1.0	1.0			- ePN			53.9	1.2	1.0	
	- eSZ		40	16.8	2.0	0.8			- ePZ			53.4	1.0	1.0	
	- ePE	05	15	26.4	1.2	0.7		20	- iPE	07	32	00.9	2.0	6.2	
	+ eSE		26	03.7	2.2	0.8			- iSE		42	02.8	2.0	6.5	
	- ePN		15	26.5	1.2	0.4			+ iPN		32	00.9	2.0	11.8	
	- eSN		26	04.5	2.0	0.4			- iSN		42	02.8	3.4	11.3	
	+ ePZ		15	26.2	1.2	1.7		20 - 21	Extreme microseismic activity						
	+ eSZ		26	03.7	2.4	0.7		20	- ePE	17	19	37.4	1.0	1.2	
11	+ ePE	05	31	54.5	1.2	0.8			+ ePN			37.4	1.0	0.5	
	- ePN			54.2	1.4	0.7			+ iPZ			37.4	1.0	2.0	
	- ePZ			54.5	1.0	1.4		20	+ ePE	17	52	19.0	1.2	1.5	
	+ ePE	20	59	32.7	1.4	0.6			+ eXE		55	44.4	3.0	3.5	
	- ePN			33.2	1.4	0.8			- ePN		52	18.6	1.6	1.2	
	- ePZ			33.2	1.4	0.8			+ eXN		55	44.7	3.0	3.0	
12	- ePE	09	04	49.6	1.0	0.8			- iPZ		52	18.7	1.6	6.0	
	+ ePN			49.1	1.2	0.6			+ eXZ		55	43.7	3.0	3.4	
	+ ePZ			49.6	1.2	0.6		21 - 23	Extreme microseismic activity						
12 - 14	Extreme Microseismic activity							23	+ ePE	09	43	47.7	1.4	1.4	
13	- ePE	22	44	26.5	0.6	0.4			+ iPN			47.7	1.0	0.6	
	+ iPN			26.5	0.6	0.6			+ iPZ			47.7	1.0	2.0	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Jan. 23	+ ePE	11	51	48.8	1.2	1.5		Jan. 29	+ ePN	10	52	19.5	1.0	0.5	
	- ePN			49.1	1.4	0.6			- ePZ			19.5	1.0	0.5	
	+ ePZ			48.8	1.6	0.6		29	+ ePE	16	47	32.2	0.8	1.7	
23 - 24	Extreme microseismic activity								- ePN			32.5	0.8	1.4	
24	- ePE	13	54	58.5	1.0	0.8			+ ePZ			32.5	0.8	1.5	
	- ePN			58.7	1.0	0.6		29	+ ePE	18	16	32.5	1.0	0.8	
	+ ePZ			58.8	0.6	0.3			+ ePN			32.5	1.0	0.6	
24 - 25	Extreme microseismic activity								+ ePZ			31.9	1.0	0.5	
25	+ ePE	11	29	39.7	0.8	0.5		30	- ePE	03	09	54.6	1.0	1.0	
	- ePN			39.5	0.8	0.6			- ePN			54.4	1.2	1.3	
	- ePZ			39.5	0.8	1.6			+ ePZ			54.4	1.0	1.6	
25 - 26	Extreme microseismic activity							30	- ePE	08	40	57.2	1.2	1.5	
26	+ iPE	10	14	18.2	1.6	2.4			- ePE		51	11.7	2.8	4.0	
	+ eSE		25	06.6	3.0	1.5			+ iPN		40	57.2	1.2	1.0	
	- iPN		14	18.2	1.6	2.0			+ ePN		51	12.2	2.8	3.5	
	+ eSN		25	05.8	2.6	2.0			+ iPZ		40	57.2	1.6	4.0	
	- iPZ		14	18.2	2.0	10.5			- ePZ		51	12.4	2.4	2.0	
	- eSZ		25	06.6	3.4	2.2		31	+ ePE	03	08	01.3	1.0	1.0	
26 - 27	Extreme microseismic activity								+ ePN			01.3	1.0	0.8	
27	- ePE	09	15	57.5	1.2	1.5	08		+ ePZ			01.3	1.0	0.7	
	- ePN			57.7	1.4	2.2		31	+ ePN	14	16	21.0	1.0	0.4	
	+ ePZ			57.4	1.0	6.0			- ePZ			21.3	1.0	1.0	
	+ ePE	10	59	44.5	1.2	0.8		Feb. 01	- ePE	20	43	57.8	1.0	1.5	
	+ ePN			44.7	1.2	0.6			- eP			57.8	1.0	1.5	
	+ ePZ			44.5	1.2	0.6		02	Extreme microseismic activity						
27 - 28	Extreme microseismic activity							03	+ eP	19	07	46.6	1.2	2.5	12
28	- ePE	21	10	54.0	1.0	1.5		04	+ iP	17	19	39.2	1.5	2.0	
	- ePN			54.0	1.0	1.5		05	- ePE	00	31	39.4	1.3	3.0	
	- ePZ			54.1	1.0	1.4			- iP			39.4	1.2	3.5	
	+ ePE	23	17	40.6	0.8	0.5	07	06 - 09	Extreme microseismic activity						
	- eXE		19	50.6	2.6	0.8		10	- ePE	19	46	26.8	1.2	0.5	11
	- eSE		27	06.6	2.6	3.0			+ iP			26.8	1.2	2.0	
	- ePN		17	40.6	0.8	0.5		11	- ePE	02	12	37.1	1.0	0.5	10
	- eXN		19	49.8	2.6	1.5			- ePN			37.3	1.0	1.0	
	+ eSN		27	07.1	2.2	1.5			+ eP			37.1	1.0	1.0	
	- iPZ		17	40.6	0.8	2.5		12	Extreme microseismic activity						
	- eXZ		19	49.6	2.8	3.5		13	- ePE	03	01	27.3	0.8	2.0	
	+ eSZ		27	07.9	2.0	2.2									
29	+ ePE	10	52	19.5	1.6	1.5									

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.		
		h	m	s						h	m	s					
Feb. 13	+ ePN	03	01	27.3	0.8	1.0	12	Feb. 24	- eP	09	14	56.0	1.2	2.0	17		
	+ iP			27.3	0.8	2.0			+ ePE	15	21	43.5	1.0	1.0			
	+ iPE	15	54	28.8	0.8	2.0			- ePN			43.6	1.3	1.2			
	- eSE	16	03	31.8	2.0	3.5			+ eP			43.5	1.2	2.0			
	- iPN	15	54	28.8	1.0	2.2			Extreme microseismic activity								
	- iSN	16	03	31.8	2.0	3.0			25	- ePN	03	16	10.4	1.0		0.5	13
	+ iP	15	54	27.8	0.8	6.5			26	- eP			10.2	1.0		1.5	
	- eS	16	03	32.1	2.0	4.0			Extreme microseismic activity								
	Extreme microseismic activity								27								
	14	Extreme microseismic activity							28	+ ePE	11	12	09.2	1.0		2.0	
15	+ iPE	12	49	09.1	1.0	2.8	12	+ eP			09.2	1.0	1.2				
	- ePN			09.6	1.0	2.5		- eP			09.2	1.1	5.5				
16	+ iP			09.3	1.0	7.5	12	Extreme microseismic activity									
	+ ePE	16	07	49.3	1.4	0.5		Mar. 01									
	+ ePN			49.3	1.2	0.5		02	+ eP	15	38	01.3	1.2	3.0	24		
- eP			49.8	1.2	2.0	03	Extreme microseismic activity										
16	+ iPE	21	47	39.3	1.0	1.2	12	04	+ ePE	00	58	09.0	0.6	0.5	21		
	+ iPN			39.3	1.3	1.8		- ePN			07.7	0.6	0.5				
	+ iP			39.3	1.3	4.5		- eP			06.4	0.6	0.5				
17	+ ePE	05	59	32.0	0.8	2.0	12	+ iPE	06	43	37.6	0.5	0.5	15			
	- eP			32.0	0.8	2.0		- iSE			03.1	1.2	2.0				
	+ ePE	19	26	41.3	1.2	0.5		- iPN			43	37.6	0.6		2.0		
- eP			41.0	1.2	1.0	14	- eSN			53	03.1	1.8	2.5				
Extreme microseismic activity							16	- eP			43	37.6	0.5	5.5			
18	- ePE	10	59	28.7	1.0			1.2	- eS			53	03.1	1.5	2.0		
	- ePN			29.1	1.2	0.5		05	+ ePE	17	13	04.5	0.8	0.5			
19	+ eP			28.7	1.0	1.8	14	+ eP			04.7	1.0	0.5	15			
	- ePE	23	08	02.5	1.0	1.0		06	+ iPE	06	09	13.7	0.8		1.0		
	- eP			02.5	1.0	3.0		+ ePN			13.9	0.8	1.0				
	+ ePE	04	47	41.0	1.8	1.2		+ eP			13.7	0.8	1.2				
	- ePN			41.2	1.8	1.5		- ePE	07	15	17.4	1.0	0.5				
	+ eP			41.2	1.8	1.5		+ eP			16.7	1.1	1.0				
	- ePE	11	21	56.2	0.6	2.0		07	+ iPE	01	06	00.0	1.0		3.5		
	- ePN			56.2	0.6	2.0		+ ePN			00.2	0.8	1.0				
	- iP			56.2	0.6	4.0		+ eP			00.3	0.8	0.5				
	+ ePE	17	04	00.9	1.0	0.5		+ iPN	14	20	53.0	1.8	2.0				
- eP			00.9	1.0	0.5	+ eP			53.3	1.0	1.0						
Extreme microseismic activity							16	+ ePE	17	24	23.0	1.2	0.5	20			
22 - 23	Extreme microseismic activity							+ ePN			22.8	1.0	1.0				
24	- ePE	09	14	55.8	1.5	5.5	16										
	- ePN			55.8	1.8	4.0											

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Mar. 08	+ eP	12	04	20.5	1.0	0.5	18	12 - 14	Extreme microseismic activity						
	+ ePE	13	09	01.8	1.0	0.3									
	- iPN			03.5	1.0	1.5									
09	- iP			08.0	1.0	2.5	21	15	- iP	12	50	11.2	1.5	3.5	
	+ ePE	19	45	52.1	0.8	0.5			+ ePN			11.1	1.4	2.5	
	+ eP			51.6	0.8	0.5			- iP			11.2	1.2	12.0	
	+ iPE	16	13	42.6	1.2	1.5			- ePE	13	18	19.3	1.0	1.2	
	+ eSE		24	12.0	1.8	2.0			- eP			18.6	1.8	3.0	
	+ ePN		13	42.3	1.2	1.2			16 - 18			Extreme microseismic activity			
	+ eSN		24	06.1	1.8	2.2			- ePE	15	40	51.9	1.0	1.0	
	- iP		13	42.8	1.0	5.5			- eP			51.5	1.0	0.5	
	- eP		24	11.8	2.0	2.0			+ iPE	20	15	42.9	0.5	0.5	
	- ePE	16	39	36.3	1.2	1.2			+ iPN			43.6	0.8	1.0	
- ePN			36.3	1.2	1.0	+ iP			42.8	1.0	1.5				
- iP			35.8	1.0	1.2	+ ePE	22	03	47.1	0.6	0.5				
+ ePE	18	43	27.8	1.2	0.5	+ ePN			46.8	0.8	0.5				
- ePN			28.6	1.0	0.5	+ eP	22	57	58.6	0.8	1.2				
- iP			27.8	1.2	2.0	+ ePN			57.1	1.0	0.5				
+ ePE	23	10	56.8	1.0	1.5	+ eP			58.2	0.7	1.5				
- ePN		11	00.0	1.0	1.5	+ ePE	23	53	18.6	1.5	0.5				
- eP		10	59.8	0.8	0.5	+ ePN			23.1	1.0	1.0				
+ ePE	10	02	25.8	1.0	0.5	- eP			18.6	2.0	1.2				
- eP			25.8	1.1	1.2	- ePE	11	20	43.8	1.0	2.0				
+ ePE	05	17	46.0	1.5	2.5	- ePN			46.1	1.0	1.0				
+ ePN			46.0	1.0	0.5	+ iP			44.1	1.0	4.0				
+ iP			45.8	1.8	2.5	- ePE	11	48	28.9	0.9	1.0				
- ePE	06	11	05.1	1.3	1.0	+ ePN			28.6	0.8	0.5				
- ePN			05.3	1.2	1.2	+ eP			29.8	0.9	0.5				
+ eP			04.3	1.0	1.5	+ ePE	12	10	01.1	0.9	0.5				
+ ePE	08	28	33.5	1.8	1.2	- ePN			01.6	0.9	0.3				
+ eP			33.0	1.6	1.5	+ eP			02.2	0.9	1.2				
+ ePE	10	16	55.5	0.8	1.5	+ ePE	22	44	09.2	1.0	1.5				
- ePN			55.6	1.0	2.0	- ePN			09.2	1.0	0.8				
- eP			55.0	1.0	1.0	+ iP			09.2	1.0	1.7				
- ePE	17	24	55.1	1.5	1.2	+ ePE	06	21	26.1	1.2	1.0				
+ eP			54.1	1.2	2.0	- eP			26.1	1.2	1.2				
- ePE	22	59	38.8	1.5	4.5	+ ePE	12	09	38.8	1.0	1.0				
- ePN			38.6	1.8	2.0	+ eP			40.1	1.0	2.0				
+ eP			38.6	1.6	7.0	22 - 23			Extreme microseismic activity						
							23	- ePE	23	24	39.0	1.2	1.5		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	
		h	m	s						h	m	s				
Mar. 23	+ ePN	23	24	39.1	1.3	1.2		Apr. 01	- ePN	05	36	25.1	1.5	0.5	25	
	+ iP			38.6	1.0	2.0			- eP			25.1	1.0	0.5		
24	+ iPE	10	46	23.2	1.6	6.5	23		- ePE	11	03	06.7	1.0	0.2	24	
	- iP			23.2	2.0	14.0			+ eP			06.7	1.0	1.0		
	- ePE	11	14	36.5	3.0	1.5			+ ePE	11	25	31.6	1.0	0.5	25	
	- iP			36.5	2.2	7.0			+ eP			31.4	0.9	2.2		
25	Extreme microseismic activity								02	- ePE	11	24	29.5	1.5	1.0	26
26	+ ePE	19	19	32.2	1.2	4.0	22		+ eP			29.5	1.5	3.0		
	- iXE			54.2	0.8	1.5		03	+ ePE	07	05	05.4	1.5	1.5	26	
	- iPN			32.2	1.3	4.0			+ eP			05.7	1.0	0.5		
	- iXN			54.2	1.4	20.0			- ePE	07	16	56.2	1.5	0.5	26	
	+ iP			32.2	1.2	23.5			- eP			56.1	1.5	1.2		
27	+ ePE	18	49	31.2	1.0	0.5	26		+ ePE	08	37	20.0	1.0	0.3		
	- ePN			30.8		4.5			+ eP			22.5	1.0	4.0		
	- eP			31.1	2.0	2.5			+ ePE	21	48	04.3	1.0	1.0	25	
28	- eP	05	23	06.4	0.8	0.5	25		- eP			04.4	1.0	1.0		
	- ePE	07	59	07.1	1.5	1.5	23	05	+ ePE	11	23	11.4	1.2	0.2	26	
	+ ePN			07.8	2.0	3.5			+ ePN			11.5	1.0	0.2		
	+ iP			07.1	1.6	5.5			- eP			11.4	1.0	3.0		
	+ iX			54.1	0.8	1.5		06	Extreme microseismic activity							
	+ ePE	11	23	45.9	1.0	0.5		07	+ ePE	05	48	05.2	1.2	0.5	26	
	- eP			45.6	0.8	0.5			+ ePN			05.2	1.0	0.5		
	- eP	21	16	48.0	1.0	1.0			+ eP			05.2	1.0	4.0		
29	- ePE	10	30	39.5	1.5	1.5	26	08	Extreme microseismic activity							
	- eSE		31	36.0	2.0	2.8		09	+ ePE	11	34	24.7	1.0	2.5		
	- ePN		30	39.5	1.5	1.5			+ eP			24.7	0.8	1.0		
	+ iP		30	39.5	1.0	5.0			- ePE	11	44	06.3	1.0	1.5		
	- iS		31	33.0	1.5	3.5			+ ePN			05.5	1.8	1.5		
	+ iPE	22	15	33.4	1.0	2.0	25		+ eP			05.4	1.0	1.5		
	- iP			33.4	0.8	5.5			+ ePE	13	17	10.9	1.0	1.0		
30	+ ePE	05	36	51.0	1.0	1.5			- ePN			11.9	1.0	1.0		
	+ iP			50.9	1.0	3.5			+ eP			11.3	1.2	4.0		
	+ iPE	17	00	01.8	1.6	2.5	25		+ ePE	21	47	45.5	1.2	1.2	25	
	- iSE		10	29.0	1.9	3.0			+ ePN			45.2	1.2	0.5		
	- iSN		10	28.5	0.8	1.0			- eP			45.5	1.2	1.5		
	- iP		00	01.5	1.0	6.5		10	+ ePE	07	25	34.6	1.0	1.2		
	+ eS		10	27.6	3.5	2.5			- ePN			33.6	1.0	1.5		
									+ eP			35.4	1.0	1.0		
									- ePE	14	21	07.0	1.0	0.3	26	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	
		h	m	s						h	m	s				
Apr. 20	+ ePN	08	35	18.7	1.0	1.0	32	Apr. 24	+ ePN	03	58	10.4	0.8	1.0	28	
	+ eP			18.7	1.0	0.5			+ eP			09.8	0.8	1.0		
	+ ePE	10	51	22.2	1.2	2.5			25	Extreme microseismic activity						
	+ iSE	11	01	20.7	2.5	3.5			26	- ePE	03	36	19.1	0.6		1.0
	- ePN	10	51	21.9	1.0	0.5				- ePN			19.1	0.6		0.5
	+ eSN	11	01	21.2	1.8	5.0				- eP			19.6	0.6		1.0
	- iP	10	51	21.7	0.7	1.2				- ePE	06	36	09.4	1.0		1.5
	+ eS	11	01	20.9	1.8	1.5				- ePN			09.6	1.0		0.5
	- ePE	21	54	50.7	1.3	1.0		33		- eP			09.4	0.8		0.5
	+ eP			50.7	1.5	2.0				- ePE	14	40	21.6	1.1		1.0
21	+ ePE	07	16	01.7	1.2	1.0	32		+ ePN			23.1	1.0	1.8		
	+ ePN			01.7	1.5	2.0			+ eP			21.6	1.0	2.0		
	+ eP			01.5	0.9	1.0			+ ePE	15	52	31.8	1.0	1.5		
	+ ePE	09	56	24.9	1.0	0.5			+ ePN			31.6	1.0	4.0		
22	+ ePN			25.2	0.8	0.2			- eP			31.8	0.9	2.5		
	+ eP			25.9	1.0	1.0		27	Extreme microseismic activity							
	- ePE	03	07	30.2	1.0	1.7		28	+ ePE	20	24	23.3	0.8	0.5		
	- eSE		08	31.9	1.2	1.5			+ eP			23.3	0.8	1.0		
	- ePN		07	31.9	0.8	1.2		29	- ePE	12	20	32.5	1.0	0.5		
	- eSN		08	31.5	1.2	2.0			+ eP			32.5	1.0	0.5		
	- eP		07	30.7	1.0	1.0			- ePE	14	20	12.1	1.8	0.6		
	- eS		08	31.2	1.4	1.5			+ eP			12.7	1.0	1.2		
	- ePE	11	26	07.2	1.0	0.5			+ ePE	15	39	17.5	1.0	1.0		
	+ ePN			04.0	1.0	0.5			+ ePN			17.4	1.0	1.0		
23	- eP			05.9	1.0	1.0			- eP			17.5	0.8	0.5		
	- ePE	11	49	47.5	1.0	1.2	30		+ ePE	18	11	00.0	1.0	1.0		
	+ iP			47.4	1.0	3.5			+ ePN		10	59.7	1.2	1.0		
	+ iPN	16	08	18.5	1.0	2.0	33		- eP		10	59.7	1.2	3.0		
	- iP			18.5	1.1	3.5		30	+ ePE	08	06	14.7	0.8	1.5		
	+ ePE	07	46	02.5	1.0	0.5			- ePN			14.5	1.0	0.5		
	+ ePN			01.7	1.0	0.5			+ eP			14.6	1.0	1.0		
	- eP			01.9	1.0	1.0			+ ePE	16	04	05.4	0.8	0.5		
	- ePE	08	02	11.7	0.6	1.5			+ ePN			05.4	0.8	0.2		
	+ ePN			11.7	0.5	0.8			- eP			05.4	1.0	1.0		
24	- eP			11.7	0.5	0.5			- ePE	17	44	06.4	0.8	0.5		
	- ePE	09	18	34.7	0.8	0.6			- ePN			05.4	1.0	0.5		
	+ ePN			34.7	1.0	1.2			+ eP			05.4	0.8	0.3		
	+ eP			34.8	0.8	2.0			- ePE	23	55	36.2	0.6	0.2		
	+ ePE	03	58	09.8	0.8	1.0			+ ePN			36.0	0.8	0.5		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.			
		h	m	s						h	m	s						
Apr. 30	+ eP	23	55	36.2	1.0	1.0		May 08	Extreme microseismic activity									
	+ ePE	23	59	40.6	1.0	0.5			09	+ ePE	05				39	04.3	1.0	1.5
	+ ePN			40.6	1.0	0.2				- ePN						04.3	0.8	1.0
	- eP			40.5	1.0	0.5			+ eP						04.3	0.8	0.5	
May 01	Extreme microseismic activity								- ePE	07	47	16.1	1.1	1.0				
	02	+ ePE	06						42	09.2	0.4	1.0	- eP			16.1	1.1	1.0
May 02	+ iXE			17.4	0.5	2.0		- ePE	09	45	09.3	0.8	0.2					
	- eXE		43	01.4	0.7	3.0		- iXE			43.4	0.8	2.0					
	- eSE			23.4	0.8	4.5		- iXN			44.8	0.8	1.0					
	- ePN		42	09.2	0.4	0.3		- eP			09.3	1.0	0.5					
	+ iXN			17.6	0.4	2.3		- iX			44.6	0.8	5.0					
	- eXN		43	01.6	0.5	7.0		+ ePE	11	41	26.1	1.3	1.0	32				
	- eSN			23.6	0.8	7.0		+ eP			25.6	1.0	0.7					
	- eP		42	09.2	0.4	1.5		- eP	13	29	42.3	1.3	1.2	37				
	+ iX			17.4	0.4	2.0		+ iPE	18	13	44.1	0.7	3.0	34				
	- eX		43	01.9	0.8	7.0		+ iPN			44.5	0.7	1.5					
	- eS			23.6	0.8	5.0		+ iP			43.1	0.7	1.5					
	- ePE	19	06	42.6	0.8	1.0		+ ePN	10	51	04.7	1.0	0.5	33				
	+ ePN			42.6	0.7	0.5		- iP			04.6	0.7	1.5					
	+ iP			42.4	0.8	1.5		- iPE	19	46	09.8	0.7	1.0					
	03	- ePE	05	26	01.3	0.9		0.5	32	+ iP			09.7	0.8	0.5			
	May 04	+ iP			01.3	0.6		1.5		+ ePE	14	48	34.2	0.8	0.5			
+ iPE		11	36	52.6	1.0	0.6	32	+ ePN				34.2	0.8	0.3				
+ iPN				52.6	1.0	1.2	+ eP				34.2	0.8	0.5					
- iP				52.6	1.0	4.5	+ iPE	15		18	08.5	1.2	2.0	33				
+ ePE		19	00	03.0	1.2	1.5	+ iPN				08.5	1.0	2.5					
+ ePN				02.8	1.0	0.2	+ iP				08.2	1.0	3.5					
+ iP				02.6	1.5	1.0	- ePE	22		11	40.4	1.0	1.0					
05		- ePE	20	18	06.8	1.0	0.5	34		+ eP			39.6	1.0	1.0			
May 06	- ePN			06.6	1.0	1.5		+ iPE	23	01	30.7	0.8	0.8					
	- eP			06.3	0.9	1.0		- ePN			30.5	0.9	1.0					
	+ eP	15	34	36.4	1.0	0.3		+ eP			30.2	1.0	1.0					
	+ ePE	16	16	10.3	0.8	0.2		+ ePE	01	14	12.0	1.0	0.5	33				
+ ePN			10.3	0.8	0.5		+ ePN			12.0	1.0	0.8						
+ eP			10.9	0.8	0.5		+ iP			12.0	1.0	1.5						
- ePE	19	29	51.8	1.2	0.5		+ ePE	15	54	29.6	1.0	1.5						
+ iP			51.8	1.2	1.5		- ePN			29.6	1.0	0.5						
								+ eP			27.2	1.3	0.5					

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
May 12	+ ePE	17	10	34.2	1.2	0.3	34	May 17	- iP	09	23	19.7	0.9	5.0	35
	+ ePN			38.2	1.5	0.8		- ePE	20	45	20.0	1.0	0.5		
	+ eP			38.2	1.5	1.5		- eP			19.7	1.2	1.0		
13	+ ePE	15	54	48.7	1.5	1.5	36	18	- ePE	03	20	09.1	1.2	0.5	35
	+ ePN			48.7	1.2	1.5		+ eP			09.1	1.2	1.2		
14	- iP			49.0	1.5	3.0	38	19	+ ePE	01	12	12.1	1.0	1.5	38
	+ ePN	06	12	02.5	1.8	0.5		- ePN			12.2	1.2	0.5		
	- eP			02.7	1.8	1.0		+ eP			11.7	1.0	1.2		
15	- ePE	08	45	50.7	1.2	0.3	33	+ ePE	12	26	43.0	0.7	0.7	37	
	- ePN			50.7	1.2	0.3		+ ePN			43.2	0.7	0.5		
	+ iP			50.7	1.7	2.5		+ eP			42.5	1.0	0.5		
	+ ePE	18	31	02.0	1.0	0.5		+ ePE	12	36	04.5	1.0	1.2		
	- eP			02.0	1.0	0.5		+ eP			06.4	1.0	0.5		
	+ iPE	05	29	04.4	1.5	1.2		+ ePE	15	01	43.0	1.5	1.7		
	+ ePN			05.0	1.2	0.8		+ ePN			43.0	1.5	0.5		
	+ eP			03.7	1.2	0.3		+ iP			42.5	1.0	1.5		
	- ePE	10	52	26.0	1.0	0.5		+ ePE	00	01	16.0	0.4	0.3		
	+ ePN			26.2	1.0	1.0		- ePN			15.0	0.4	0.3		
16	- iP			26.4	1.0	1.0	40	- eP			15.0	0.4	0.3	37	
	+ ePN	13	49	37.8	1.0	0.5		- ePE	16	53	41.4	0.8	0.3		
	- iP			37.8	1.0	3.5		- eP			41.5	1.2	5.0		
	+ ePE	17	32	11.2	1.0	0.5		+ iPE	20	10	03.2	3.0	7.5		
	+ ePN			09.2	1.2	0.5		+ iPN			04.7	1.5	10.0		
	+ eP			09.2	1.2	1.0		+ iP			03.2	3.0	10.0		
	+ ePE	19	54	20.2	0.8	1.0		+ ePE	00	48	34.2	1.0	0.2		
	+ ePN			19.4	1.0	0.3		- ePN			29.4	0.8	0.2		
	- eP			19.4	1.0	0.7		+ eP			29.4	0.8	0.5		
	+ ePE	16	49	40.7	1.0	0.2		- ePE	10	50	49.0	1.5	0.2		
17	+ eP			40.0	1.0	0.5	33	- eP			47.2	1.5	1.5	37	
	+ ePN	04	25	51.2	0.8	0.2		- ePE	18	35	18.2	1.0	0.5		
	+ eP			50.7	0.8	0.5		- ePN			18.2	2.0	1.0		
	+ ePE	04	52	33.2	0.8	1.0		+ eP			17.4	1.0	1.0		
	+ ePN			32.4	1.0	0.5		- ePE	18	45	49.4	1.0	1.2		
	- eP			33.4	0.8	0.5		- ePN			49.2	0.8	0.5		
	+ ePE	07	49	35.4	1.0	0.5		- iP			49.3	0.8	1.2		
	- eP			35.4	1.2	1.0		+ ePE	21	47	18.4	0.8	0.5		
	- iPE	09	23	19.7	1.0	1.7		+ ePN			18.2	0.8	0.5		
	+ iPN			19.7	1.0	1.2		- eP			18.4	0.7	0.5		
							23	+ ePE	12	17	29.7	1.0	0.5		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
May 23	+ ePN	12	17	29.8	0.8	1.2		May 29	+ ePN	05	27	38.2	1.6	1.0	37
	+ eP			29.9	1.0	1.0			- eP			45.7	1.5	0.7	
	- ePE	15	46	33.7	1.0	0.5			+ iPE	19	15	19.6	1.5	2.0	
	- ePN			33.7	1.0	0.5			- ePN			18.9	1.8	0.5	
	+ eP			33.2	0.6	0.5			+ iP			18.7	1.5	2.0	
24	Extreme microseismic activity														
25	- iPE	16	59	27.7	1.0	1.0	37	+ ePE	20	42	24.2	1.0	0.5	36	
	- iPN			27.7	0.8	1.5		- ePN			24.2	1.0	0.2		
26	+ iP			27.7	1.2	4.5		30	+ iP			24.1	0.5	2.0	
	- iPE	15	19	37.7	1.0	1.5		+ ePE	05	30	57.7	1.0	1.0		
	+ iPN			37.7	1.2	2.0		+ ePN			57.1	1.2	1.0		
	+ iP			37.4	1.0	2.5		+ eP			57.1	0.8	0.5		
	+ ePE	17	26	39.3	0.8	1.0		- ePE	10	33	13.1	1.5	1.0	40	
	- ePN			39.1	0.8	1.0		+ eP			12.7	1.5	1.0		
	- eP			39.4	1.0	1.0		- ePE	13	30	01.1	0.8	0.5	38	
	+ ePE	18	04	00.4	0.8	0.5		+ eP			01.1	1.0	0.2		
	+ ePN			00.6	1.0	0.2		+ ePE	20	47	23.0	1.0	0.7		
	- eP			00.7	1.0	0.5		+ ePN			23.0	1.0	1.0		
	+ ePE	18	16	15.2	1.0	0.5		+ eP			21.0	0.8	2.0		
	- ePN			14.9	1.0	0.5		31	- ePE	14	56	49.3	0.5	1.2	
	+ eP			15.0	1.0	1.2		+ ePN			49.2	0.5	0.7		
27	- iPE	12	23	09.2	1.0	1.0	- eP			48.9	0.5	1.0			
	+ eSE		25	57.2	1.5	2.0	- iPE	20	36	27.8	1.5	1.0			
	- ePN		23	09.2	0.8	0.5	- iSE		46	58.8	3.0	10.0			
	- eSN		25	58.2	0.8	1.0	- iPN		36	28.2	2.0	1.5			
	- iP		23	08.8	1.0	3.0	+ iSN		47	03.0	4.0	9.0			
	+ eS		25	58.2	1.8	1.0	- iP		36	27.4	1.5	3.0			
	+ ePE	13	39	36.7	0.8	2.0	- iS		47	03.2	4.0	2.5			
	+ ePN			36.7	0.8	1.0	- ePE	20	58	47.7	2.0	2.5			
	- eP			37.0	0.8	2.5	+ ePN			47.7	0.8	0.5			
	+ ePE	15	52	36.0	0.7	0.5	- eP			47.4	0.8	2.0			
	+ ePN			36.0	0.7	0.5	- ePE	21	16	40.2	1.4	1.0			
	+ eP			35.7	0.5	1.0	+ eP			40.0	1.5	1.5			
	28	+ ePE	11	55	54.2	1.0	0.5	- ePE	21	36	49.7	1.5	3.0		
+ ePN				54.3	1.0	0.5	- eP			49.7	1.8	1.0			
- eP				54.2	1.0	1.0	- ePE	22	00	59.7	1.0	1.5			
29	+ ePE	04	16	16.2	1.5	0.5	+ ePN			59.7	1.0	0.5			
	- eP			16.0	1.5	0.7	- eP			59.7	1.0	3.5			
	- ePE	05	27	35.3	1.5	0.7	- ePE	22	57	34.5	0.8	0.5			
							+ ePN			34.4	1.0	1.8			

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
May 31	+ eP	22	57	34.2	1.0	0.7		June 02	- eSN	03	31	11.1	1.2	1.0	
June 01	+ ePE	01	49	11.2	1.3	1.8	36	- iP	08	20	31	44.7	0.8	2.0	38
	+ ePN			10.6	1.5	1.0		+ eS				11.6	1.2	1.5	
	- iP	10.4	1.5	4.0	+ ePE	09	49.9	1.0	0.5						
	- ePE	02	58	14.7	1.0	0.5	37	+ eP	16	43	49.6	0.8	0.8		
	+ ePN			15.0	1.0	0.5	+ ePE	28.3			0.9	0.5			
	- eP	04	57	14.7	1.0	2.5	37	- ePN	18	10	28.3	0.9	0.2		
	- ePE			42.2	1.0	1.2	+ eP	28.6			0.9	1.0			
	+ iP	05	28	41.7	1.0	2.5	36	+ ePE	18	15	49.3	1.0	1.0		
	+ ePE			25.2	2.0	1.5	+ ePN	49.1			1.0	0.2			
	+ eP	05	37	25.2	1.0	1.2	36	- eP	19	41	49.1	1.0	1.0		
	+ ePE			47.2	1.5	0.5	+ ePN	34.1			1.0	0.5			
	+ ePN	16	12	45.4	1.0	0.5	38	- eP	19	53	34.1	1.0	1.8		
	+ eP			47.2	0.8	1.2	+ ePE	24.6			1.0	0.2			
	+ ePE	18	11	42.2	1.2	1.5	38	+ ePN	21	13	24.6	0.9	0.5		
	- ePN			42.0	1.0	1.0	+ eP	04.3			1.0	1.2			
	+ eP	19	28	42.0	1.2	1.0	36	+ ePE	21	42	04.4	0.8	0.8		
	+ ePE			13.2	0.8	0.5	+ ePN	04.9			0.8	0.8			
	- ePN	23	18	13.2	0.8	1.0	38	+ ePE	21	13	39.9	1.2	1.0		
	- eP			13.4	1.0	1.0	+ ePN	39.9			1.2	0.8			
	- ePE	00	16	13.4	1.0	1.0	36	- eP	22	50	39.9	1.0	3.0		
	- ePN			04.0	1.2	0.5	+ ePN	34.3			1.2	0.3			
	+ eP	00	22	03.7	1.2	0.7	38	- ePE	04	22	34.2	1.0	0.2		
	- ePE			03.4	0.9	1.0	+ ePN	34.3			1.0	1.0			
	- eP	01	50	26.2	0.8	0.5	39	- eP	03	28	34.3	1.0	1.0		
	- ePN			25.1	0.8	1.0	+ ePE	08.4			0.8	0.5			
	+ ePE	01	50	25.4	1.0	2.0	38	- ePN	17	01	08.9	1.0	1.0		
	+ eP			22.4	0.8	0.5	- eP	08.9			1.0	0.2			
+ eP	03	20	22.2	0.6	2.7	39	- ePE	19	42	21.4	1.0	0.3			
+ ePE			44.4	0.8	0.5	- ePN	21.4			1.2	0.3				
+ ePN	03	20	44.4	0.8	0.7	37	+ eP	19	42	21.4	0.8	0.5			
+ eP			44.5	0.8	0.3	+ iP	21.9			0.8	0.5				
+ ePE	03	20	19.2	1.3	2.0	37	- iP	19	42	21.9	1.0	0.5			
+ ePN			19.4	1.5	1.5	+ iP	21.9			0.8	2.5				
- iP	03	20	19.2	1.5	1.2	37	+ ePE	19	42	19.1	1.0	0.2			
+ ePE			44.6	1.0	1.5	+ eP	19.1			1.0	0.5				
+ eSE	03	20	11.3	2.0	1.5	37	+ ePE	19	42	40.2	1.0	1.0			
+ ePN			44.7	1.0	1.5	+ eP	40.2			1.0	1.0				

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
June 04	+ ePE	20	08	19.3	1.0	0.2		June 05	+ ePN	23	00	04.1	1.0	0.2	
	+ ePN			19.7	0.8	0.2			+ iP			03.5	1.0	1.0	
	+ eP			19.3	1.0	0.5	39	06	- ePE	02	41	17.1	1.0	0.3	
	+ ePE	20	14	57.9	1.0	1.0			- ePN			17.1	1.0	0.3	
	- eP			57.6	0.9	2.0	38		- eP			16.9	0.8	0.3	
	+ ePE	23	12	52.3	1.0	0.2			+ ePE	06	12	24.1	1.0	0.3	
	- eP			52.1	1.0	0.5			- ePN			24.1	1.0	0.5	
	- ePE	23	41	48.4	1.0	0.2			+ eP			24.1	1.0	0.7	
	+ ePN			47.9	0.8	0.3			+ ePE	06	49	12.3	0.8	1.2	
	+ eP			47.6	1.0	0.3			- ePN			12.1	1.0	0.5	
05	- ePE	05	11	45.1	1.0	0.2			- eP			11.9	1.0	0.5	
	- iP			44.8	0.8	1.0			+ ePE	07	07	05.4	0.8	0.2	
	LP - ePE		11	42.6	6.0	0.3			+ ePN			05.4	0.8	0.5	
	+ eSE	05	22	30.5	13.0	0.5			+ eP			05.6	0.8	0.7	
	+ eXE		29	17.6	9.0	0.2			+ ePE	14	48	21.9	1.0	0.5	41
	+ eP		11	42.9	8.0	0.3			+ ePN			22.1	1.2	0.7	
	+ eS		22	34.1	11.0	0.7			+ eP			21.6	1.0	1.0	
	- eX		29	17.1	9.0	0.2			+ ePE	10	08	54.6	0.8	0.5	
	+ ePE	07	07	48.8	0.5	0.2	38	07	- ePN			54.6	0.8	0.5	
	+ ePN			49.0	0.8	0.2		+ eP			54.6	0.8	0.7		
	- iP			48.8	0.8	1.0			+ ePE	14	19	01.6	0.8	0.3	
	- ePE	07	18	28.6	1.5	0.5			- iP			01.6	0.8	1.0	
	+ ePN			28.6	1.5	0.2		08	+ ePE	09	26	17.6	1.2	0.5	40
	- eP			28.6	1.5	0.5			- ePN			17.6	1.2	0.5	
	+ ePE	07	39	28.1	1.0	0.3	42		+ eP			17.4	0.8	0.5	
	+ iP			28.1	1.0	0.7		- ePN	10	21	32.1	1.2	0.5		
	- iP			28.1	0.7	1.5			+ iP			32.3	1.2	1.5	
	+ ePE	09	18	52.3	1.0	1.2			+ ePE	21	31	00.4	0.8	0.7	
	+ ePN			51.6	1.3	0.5			+ ePN			01.1	0.8	0.5	
	+ eP			51.4	0.8	0.5			+ eP			00.4	0.8	0.2	
	- ePE	10	51	43.6	1.0	1.0			- ePE	21	56	33.9	1.0	0.2	
	- iP			43.6	1.0	1.2			- ePN			33.9	0.8	0.5	
	+ ePE	20	49	37.1	1.0	0.5			- eP			33.9	0.8	0.2	
	+ ePN			37.3	1.0	0.2			- ePE	23	43	08.3	1.0	1.2	
	+ eP			37.6	1.0	0.7			- eP			08.3	1.0	0.8	
	- ePE	21	11	50.7	1.0	0.5			- ePE	06	47	02.9	1.3	0.5	
	- ePN			50.9	1.0	0.3		09	+ ePN			02.6	1.2	0.8	
	- eP			51.1	1.0	1.0			- eP			03.1	1.2	0.2	
	+ ePE	23	00	03.7	1.0	1.0		+ ePE	07	38	17.3	1.0	1.0		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
June 09	+ eP	07	38	17.3	1.0	0.8	40	June 11	+ ePE	07	33	22.1	1.0	0.3	43
	+ ePE	11	08	09.3	1.5	1.0			+ ePN			22.1	1.0	0.5	
	+ ePN			10.6	1.2	0.7			- eP			22.1	0.9	0.5	
	- eP			09.3	1.2	1.0			- ePE	07	43	46.3	1.0	0.5	
	- ePE	16	28	00.9	1.5	1.0			+ ePN			46.4	1.0	0.2	
	- ePN			00.9	1.2	0.2			- iP			46.3	1.0	2.2	
	+ eP			00.8	1.2	1.8			+ ePE	11	09	50.1	0.8	0.5	
	+ ePE	20	06	38.7	1.0	0.5			+ ePN			49.9	0.8	0.8	
	+ ePN			39.1	0.8	1.2			- eP			49.9	0.8	0.7	
	+ eP			38.8	1.0	1.0			+ ePE	16	54	46.4	1.0	0.5	
10	+ ePE	22	36	50.3	1.0	1.0	+ eSE	17	01	45.1	2.5	11.0	43		
	+ ePN			50.6	1.2	0.3	+ ePN	16	54	46.6	1.0	1.0			
	+ eP			50.6	1.2	0.8	- eSN	17	01	44.6	5.0	10.0			
	- ePE	06	09	05.6	1.2	0.2	+ iP	16	54	46.1	1.0	1.0			
	+ ePN			05.6	1.0	0.2	+ eS	17	01	44.9	3.8	13.0			
	- eP			05.6	0.8	1.0	LP + ePE	16	54	46.3	—	0.2			
	+ ePE	06	17	30.1	0.8	0.5	- iPPE			55	03.7	6.5		0.5	
	- ePN			29.1	0.8	0.3	- iPCPE			56	46.3	19.4		1.2	
	+ eP			30.1	0.8	0.5	- iSE	17	01	45.3	22.1	30.0			
	- ePE	16	37	07.4	1.5	0.5	- eXE			04	39.8	14.8		7.0	
11	- eP			06.6	1.5	1.5	- iRE			07	13.7	24.2	8.5	43	
	- ePE	04	58	30.3	0.8	0.5	- ePN	16	54	46.3	—	0.2			
	+ ePN			29.1	1.0	0.3	+ iP			55	03.7	14.8	0.8		
	- iP			30.1	1.0	1.0	- iPCPN			56	46.3	20.3	1.0		
	- iPE	06	14	15.9	0.7	9.0	+ iSN	17	01	45.3	22.1	33.0			
	- iSE			37.2	3.0	5.0	- iXN			04	51.8	13.4	9.5		
	+ iP			15.9	0.7	4.5	- eP			54	46.3	—	0.3		
	+ iSN			37.3	2.2	8.5	- iP	16	55	03.7	14.6	2.0			
	- iP			15.9	1.2	26.5	+ iPCP			56	47.1	18.5	9.5		
	+ eS			46.6	3.0	2.5	+ iS	17	01	45.1	13.2	15.5			
LP	- iPE	14	14	16.9	3.0	0.5	- eX			04	58.1	21.0	10.0	43	
	- iSE			23	39.1	4.5	1.0	- ePE	23	24	50.3	1.0	0.5		
	- iPN			14	16.9	3.0	0.3	- ePN			50.6	1.0	0.2		
	- iSN			23	37.6	4.5	1.0	+ eP			50.1	1.0	0.5		
	- iP			14	16.9	3.0	1.2	+ ePE	00	28	03.1	0.8	0.3		
	+ iX			14	46.9	6.0	0.8	+ ePN			02.1	0.8	0.2		
	- eS			23	40.3	7.5	1.2	+ eP			02.1	1.0	0.2		
	- ePE	06	41	42.3	1.5	0.5	- ePE	06	40	15.3	1.5	1.0			
	+ eP			42.6	1.5	2.5	- eP			15.1	1.5	0.5			
								12							

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	
		h	m	s						h	m	s				
June 12	- iPE	08	19	17.7	2.0	1.0	41	+ePCPN	00	09	01.9	5.8	0.5			
	+ ePN			18.1	2.0	0.5		- iSN			14	12.9	9.3		1.0	
	+ iP			17.9	1.4	3.0		+ eP			07	02.8	4.6		0.3	
	+ ePE	08	30	04.7	0.8	0.7		+ iPCP			09	01.9	5.5		0.5	
	+ ePN			05.1	0.8	1.0		+ iS			14	12.5	13.0		1.0	
	+ iP			04.9	0.8	1.0		+ ePE			19	16.1	1.0		1.0	
	- ePE	10	52	00.6	1.0	0.2		- ePN				16.6	1.0		1.0	46
	+ ePN			01.1	1.5	0.5		+ eP				16.0	0.8		0.5	
	+ eP			01.3	1.2	1.2		- ePE			07	30	02.1		1.2	
	+ ePE	13	05	21.9	0.9	0.5		+ ePN				02.1	1.2		0.7	42
	+ ePN			21.6	1.0	0.5		- eP				02.1	1.2		1.0	
	+ eP			22.1	1.0	1.0		+ ePE			09	47	51.9		1.0	
13	+ ePE	00	33	00.3	1.2	0.5	- iP		52.2	0.9	1.5	46				
	+ eP			00.4	1.2	1.5	+ ePE	10	45	28.6	1.2		1.0			
	+ ePE			04	44	16.3	1.0	0.5	- ePN		28.3		1.2	0.2		
	+ ePN			15.9	0.8	0.2	- eP		28.3	1.0	0.5	46				
	+ eP			16.1	0.8	0.5	- ePE	20	11	36.3	1.0		0.3			
	+ ePE	09	54	36.8	0.8	0.8	- iP		36.3	1.0	2.0					
	+ ePN			35.1	1.0	0.3	+ ePE	20	23	19.4	0.6	0.2	42			
	+ eP			36.8	0.8	0.5	+ ePN		19.6	0.8	0.5					
	- ePE	11	18	40.1	1.0	0.2	+ eP		19.6	0.8	0.5					
	+ ePN			42.1	0.8	0.2	+ iPE	21	45	42.1	1.2	1.8	42			
	- eP			41.9	1.0	0.5	+ ePN		42.1	1.0	0.3					
	+ ePE	16	26	36.3	0.8	0.5	+ iP		41.9	1.0	2.5					
+ ePN			36.3	0.8	1.0	+ ePE	21	51	39.1	1.5	0.5	44				
+ eP			36.3	1.0	1.0	- ePN		39.6	2.0	1.0						
- ePE	20	28	40.8	0.8	0.7	- eP		39.1	1.5	1.5						
- ePN			40.8	0.9	1.0	+ ePE	00	55	47.1	1.3	0.3	42				
+ eP			40.8	0.9	0.5	+ eP		47.1	1.2	0.5						
+ iPE	00	07	03.3	1.0	0.5	- ePE	05	26	45.1	1.0	0.5					
14	+ iXE			05.1	2.0	14.5	46	- ePN			45.1	0.8	0.5	44		
	- iPN			07	03.3	1.0		0.5	- eP			45.1	1.0		0.5	
	+ eXN			09	04.5	1.4		2.0	- iPE	09	53	35.6	0.8		0.5	
	+ iP			07	03.3	1.2		2.5	+ ePN			35.6	1.0		0.3	
	- iX			09	04.3	1.8		6.5	+ iP			35.6	1.0		2.0	
	LP + ePE			07	02.8	4.6		0.2	LP + iSE	11	17	36.1	09.3		0.5	
	+ iPCPE			09	01.9	5.2		0.5	- ePN			08	14.8		—	0.2
	- eSE			14	12.1	25.9		1.5	- iSN			17	36.1		13.0	0.5
	+ ePN			07	02.8	4.6		0.2	+ eP			08	14.8		6.5	0.3

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s			
June 15	+ eS	11	17	37.9	13.0	0.5	46
	- ePE		23	07.3	0.6	0.5	
	+ ePN			07.1	0.8	0.3	
	- eP			05.1	0.6	0.5	
	LP + ePE	11	23	08.4	9.3	0.5	
	- iSE		29	48.1	16.7	2.0	
	+ iXE		33	31.3	17.6	11.0	
	+ ePN		23	08.4	09.3	0.2	
	- iSN		29	45.4	16.7	3.5	
	+ iP		23	08.4	12.0	1.0	
	+ iS		29	47.1	17.6	2.0	
	- iX		33	10.1	18.5	5.0	
	- ePE	14	32	41.2	0.8	0.2	
	- ePN			41.2	0.8	0.3	
	- eP			41.2	0.8	1.0	
	- ePE	16	39	46.6	1.0	0.3	
	+ ePN			46.4	1.0	0.3	
	+ eP			46.4	1.0	0.3	
	+ ePE	17	23	10.9	0.8	0.5	
	+ ePN			11.1	0.8	0.2	
+ eP			11.1	0.8	0.5		
- ePE	22	49	11.9	1.0	0.3		
+ ePN			11.9	1.0	0.5		
- eP			11.9	1.0	1.0		
- ePE	23	58	48.6	1.0	0.2		
+ eP			49.1	1.0	0.5		
16	- iPE	02	44	18.1	0.8	0.5	44
	- iPN			18.1	0.8	1.0	
	- iP			17.9	0.6	0.5	
	- ePE	06	03	15.1	1.0	0.2	
	+ eP			15.1	1.0	0.3	
	+ ePE	20	43	06.0	0.8	0.5	
	- ePN			06.0	0.8	0.5	
	+ eP			06.1	0.8	0.8	
17	- ePE	01	01	08.1	1.0	0.2	44
	- eP			07.9	1.0	0.5	
	- ePE	01	28	06.9	1.0	0.5	
	- eP			06.9	1.0	0.7	
	- ePE	01	47	35.3	0.8	0.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s			
June 17	- ePN	01	47	36.1	0.8	0.2	44
	+ eP			35.1	0.8	1.0	
	+ iPE	02	10	14.1	0.8	1.5	
	+ iPN			14.1	0.8	5.5	
	+ iP			14.1	0.8	4.5	
	- ePE	04	56	31.8	1.0	0.5	
	+ ePN			31.9	0.8	0.5	
	- iP			31.9	1.0	1.5	
	+ iPE	08	10	14.1	0.8	1.5	
	+ ePN			15.1	1.0	0.3	
	+ iP			13.9	0.8	1.5	
	+ ePE	13	19	36.6	0.8	0.5	
	+ ePN			36.1	1.0	0.5	
	+ eP			36.1	0.8	0.5	
18	- iPE	06	47	01.1	1.5	1.5	44
	+ eXE		48	41.6	2.5	0.3	
	- iPN		47	01.1	1.5	2.0	
	- eXN		48	41.6	1.8	0.5	
	+ iP		47	01.1	1.5	4.5	
	+ eX		48	41.1	2.0	1.5	
	+ ePE	08	08	36.9	0.7	0.5	
	+ ePN			36.9	1.0	0.5	
	+ eP			37.1	0.6	1.2	
	+ ePE	14	12	15.1	1.3	0.5	
	+ eP			15.3	1.2	1.0	
	+ ePE	19	04	10.9	0.8	1.0	
	+ ePN			11.1	0.8	0.3	
	+ eP			10.9	0.8	0.5	
+ ePE	19	41	16.7	0.8	1.0		
+ ePN			16.9	0.8	0.5		
+ eP			16.9	1.2	0.8		
19	+ iPE	11	07	58.6	1.2	4.0	43
	- iPN			58.6	1.5	2.0	
	+ iP			58.6	1.0	12.5	
	+ ePE	13	01	04.3	0.8	1.8	
	+ ePN			04.5	0.6	0.5	
	+ eP			04.3	0.8	1.3	
	- ePE	18	51	35.5	1.5	1.0	
	- eP			35.0	1.2	1.2	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.					
		h	m	s						h	m	s								
June 19	- ePE	19	02	52.0	1.5	1.0	47	June 22	+ eP	21	53	02.3	1.0	0.2						
	+ ePN							52.0	1.2	0.5	+ ePE	22	23		41.0	1.2	0.5			
20	- eP	21	35	51.8	1.2	1.0	44	+ ePN	23	48	39.5	1.0	0.5							
	+ ePE			14.2	0.8			1.0				+ eP		40.8	1.0	0.8				
	- ePN			14.2	0.8			0.2				- ePE		39.8	1.2	0.5				
	- eP			14.3	1.0			0.5				- ePN		39.3	0.8	0.3				
	+ ePN			02.0	1.0			0.3				+ ePE		24.5	1.2	0.5				
	- eP			01.5	1.2			1.5				+ eP		24.3	1.5	1.0				
	+ ePE			02.2	1.4			0.8				- ePE		03	44	18.0	2.0	0.5		
	+ ePN			02.2	1.4			0.5				+ iP		18.3	2.0	1.5				
	+ iP			02.2	1.2			2.0				- ePE		04	15	53.0	1.5	0.5		
	+ ePE			41.0	0.8			1.2				- ePN		53.5	2.0	0.5				
21	+ ePN	06	07	41.0	0.9	1.0	47	+ iP	11	27	29.7	0.8	0.3							
	+ eP			41.0	1.0			1.5				+ ePE		29.9	0.8	1.0				
	+ ePE			42.2	1.0			0.5				+ ePN		29.9	0.8	0.5				
	+ ePN			42.2	0.9			1.2				- ePE		34.9	1.0	0.5				
	+ eP			42.2	0.9			1.2				+ iP		35.1	1.2	2.0				
	+ ePE			15	26			34.0				0.8		0.2	46	+ iP	34.9	1.0	1.5	
	+ ePN			34.2	1.0			1.0				46		- iPE	20	18	46.9	1.0	1.0	
	- iP			33.5	0.8			1.0				44		+ ePN	46.9	1.5	1.0			
	+ ePE			39.3	1.3			0.5				46		- iP	46.7	1.0	2.5			
	+ eP			40.0	1.5			0.7				44		+ ePE	04	57	02.4	1.0	0.2	
22	- iPE	19	57	24.8	1.3	1.0	44	+ ePN	04	57	02.2	0.8	0.5							
	- ePN			24.6	1.3			0.5				+ eP		01.9	0.6	0.2				
	- iP			24.7	1.3			2.0				- ePE		22.7	1.0	0.3				
	- ePE			37.2	1.0			1.2				+ ePN		22.4	1.0	0.2				
	- ePN			37.8	1.2			1.0				+ eP		22.7	1.0	1.5				
	- eP			35.5	0.8			0.2				- ePE		02	19	28.7	1.0	1.5		
	- ePE			23.2	1.2			0.2				46		- ePN	27.9	1.0	0.5			
	- ePN			23.0	1.0			0.5				44		- eP	28.4	1.0	0.5			
	- eP			23.0	1.0			0.5				47		+ ePE	02	25	36.1	0.8	0.5	
	+ ePE			23.8	1.0			1.0				44		- ePN	25.9	1.0	0.5			
22	+ ePN	11	51	23.8	1.2	1.0	44	- eP	05	27	03.1	1.0	0.5							
	- iP			23.8	1.2			2.5				+ ePN		03.1	0.8	0.2				
	+ ePE			06.0	0.8			0.3				+ eP		02.9	1.0	0.5				
	- iP			06.0	0.8			1.0				+ ePE		18.4	—	0.2				
	+ ePE			18	23			13.3				1.2		0.3	46					
	+ eP			13.0	0.8			1.0												
	+ ePE			21	53			02.8				1.0		0.3						

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s			
June 25	- eP	05	27	18.4	7.4	0.2	
	+ ePE	08	53	08.7	1.0	0.7	
	+ ePN			08.7	0.8	0.5	
26	+ eP			08.1	0.8	0.5	
	+ ePN	16	37	03.1	1.0	1.2	
	+ eP			02.9	1.0	1.5	
	- ePE	15	14	44.8	1.2	0.5	
	+ ePN			47.1	0.8	0.8	
27	- eP			45.2	1.0	1.0	
	- iPE	22	49	43.0	1.0	1.0	
	- iP			43.0	1.6	2.0	
	+ ePE	02	45	46.8	1.0	2.0	
	+ ePN			47.0	1.0	0.8	
	+ eP			46.5	1.0	0.5	
	+ ePE	09	58	23.5	1.0	0.5	44
	+ iP			23.5	1.6	2.0	
	- ePE	13	26	03.1	1.0	0.2	45
	+ iP			03.1	1.2	1.5	
28	+ ePE	17	18	01.2	1.5	1.2	
	+ ePN			01.5	1.0	0.5	
	+ eP			01.2	1.0	0.5	
	- ePE	21	17	35.0	1.0	0.5	44
	- eP			35.0	0.8	1.0	
	- ePE	01	42	17.8	1.5	2.0	46
	- iSE		52	11.0	4.2	6.5	
	+ ePN		42	18.0	1.0	0.3	
	- iSN		52	11.0	4.0	4.0	
	+ iP		42	17.8	1.5	4.0	
	- iS		52	11.0	5.2	2.0	
	LP + iSE		52	12.0	9.3	2.0	
	- iSN		52	13.0	9.3	1.5	
	+ iP		42	17.6	5.5	0.5	
	- iS		52	12.0	9.3	0.5	
29	- ePE	02	12	22.8	1.5	0.2	44
	- eP			22.5	2.0	1.5	
	+ ePE	05	27	37.0	0.8	0.5	
	+ ePN			37.8	0.8	0.5	
	- eP			37.3	0.8	0.5	
	- ePE	06	55	05.0	1.0	0.2	47

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s			
June 28	+ ePN	06	55	05.0	1.0	0.2	
	+ eP			05.0	1.0	1.0	
	- iPE	11	21	25.3	1.0	1.5	44
	+ iXE		23	35.5	1.8	2.5	
	+ iSE		30	49.0	2.0	1.5	
	- iPN		21	25.2	1.0	2.0	
	+ iXN		23	35.5	1.2	2.0	
	- iSN		30	49.0	2.0	1.0	
	+ iP		21	25.2	1.0	7.5	
	+ iX		23	35.2	1.8	6.0	
	- iS		30	49.5	2.0	2.0	
	+ ePE	22	51	18.2	1.0	0.3	44
	+ ePN			18.5	1.0	0.5	
	+ eP			18.0	1.0	0.5	
	30	- ePE	00	15	44.8	1.0	0.3
+ ePN				43.5	1.0	0.6	
- eP				43.2	1.0	1.0	
- iPE		05	59	33.0	1.0	0.5	46
- iPN				33.1	1.0	1.2	
+ iP				33.1	1.0	3.5	
- ePE		06	50	27.2	1.0	0.5	
- ePN				27.5	1.5	0.5	
- eP				27.3	1.0	0.5	
- ePE		08	40	16.8	1.0	0.2	
- eP				17.0	1.2	0.3	
+ ePE		22	21	52.0	1.0	0.2	
+ ePN				52.5	1.2	0.2	
+ eP				52.5	1.0	0.5	
July 01		+ ePE	23	24	21.5	1.0	0.3
	+ ePN			21.5	1.0	0.5	
	- iP			21.8	1.0	1.0	
	+ ePE	06	34	03.5	1.0	1.0	46
	- ePN			03.5	1.0	1.0	
	- iP			03.0	1.2	1.5	
	+ ePE	12	43	40.0	1.0	0.3	
	- eP			39.5	1.0	0.5	
	- ePE	14	41	59.8	1.0	0.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s			
July 01	- ePN	14	41	59.5	1.0	0.5	
	+ eP			59.5	0.8	0.5	
02	- iPE	00	57	56.2	1.2	0.5	45
	+ iPN			56.2	1.2	0.5	
	- iP			56.2	1.2	2.0	
	- iPE	01	04	40.5	1.5	0.5	46
	- iPN			40.5	1.5	0.5	
	+ iP			40.5	1.5	2.5	
	LP + ePE		04	38.8	7.4	0.2	
	+epPCPE		06	30.5	9.2	0.2	
	- eSE		11	36.0	13.0	0.5	
	- ePN		04	38.8	7.4	0.2	
	+epPCPN		06	29.6	9.3	0.5	
	- iSN		11	37.0	10.2	1.5	
	+ iP		04	38.8	8.3	0.3	
	+ipPCP		06	29.6	10.2	0.3	
	- iS		11	37.0	11.2	0.5	
	- ePE	07	29	56.0	1.0	0.5	46
	- ePN			56.0	1.0	0.5	
	+ iP			56.0	0.9	2.0	
	- ePE	09	42	03.0	1.2	0.5	
	+ ePN			03.0	1.0	0.3	
	- eP			03.1	1.0	0.3	
	+ ePE	13	00	01.5	1.0	0.5	46
	+ ePN			02.0	1.0	0.2	
	+ eP			01.8	0.8	1.0	
	+ ePE	18	38	07.5	1.2	0.5	48
	+ ePN			07.5	1.2	0.5	
	+ eP			07.0	1.5	1.0	
	+ ePE	19	26	28.0	1.0	0.5	45
	+ ePN			28.0	1.0	0.3	
	+ iP			28.0	1.0	1.0	
03	+ ePE	10	13	24.0	1.0	0.3	
	- eP			24.0	1.0	1.0	
	+ iPE	10	33	14.0	1.0	0.3	47
	+ iPN			14.0	0.5	0.5	
	- iP			14.0	0.8	0.8	
	+ ePE	20	10	48.8	1.0	1.0	
	- ePN			48.5	1.0	0.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s			
July 03	- eP	20	10	48.8	1.0	0.5	
	+ ePE	23	54	52.8	1.0	0.7	
	+ ePN			52.0	1.0	1.0	
	- eP			52.3	1.0	0.2	
04	+ ePE	07	13	42.0	1.0	0.5	
	- ePN			42.0	1.0	0.3	
	+ eP			42.0	1.0	0.5	
	- ePN	11	33	05.0	1.5	0.5	
	+ eP			05.0	1.5	0.5	
	+ ePE	19	14	17.1	0.8	0.2	45
	+ ePN			17.2	1.2	0.2	
	+ iP			17.0	0.8	0.3	
	+ ePE	22	15	02.8	0.8	0.5	
	+ ePN			03.0	1.0	0.2	
	+ eP			02.8	1.2	0.5	
05	+ ePE	03	22	29.0	1.0	0.3	
	+ ePN			29.0	1.0	0.2	
	+ eP			29.0	1.0	0.5	
	- ePE	05	32	27.7	1.0	0.5	
	+ eP			27.8	1.2	1.2	
	- ePE	05	44	41.7	1.0	0.5	
	- ePN			42.0	1.0	0.2	
	- eP			42.0	1.0	0.2	
	- ePE	08	22	57.2	1.0	0.2	
	+ ePN			57.0	1.0	0.5	
	- eP			57.0	0.8	0.2	
	+ ePE	08	53	30.5	1.0	1.2	
	+ iPN			30.8	1.0	1.0	
	+ iP			30.8	0.8	0.7	
	+ iPE	14	25	37.1	1.3	1.5	45
	+ iP			36.9	1.5	1.5	
	+ ePE	16	00	02.7	1.0	1.0	
	+ ePN			02.7	2.0	0.2	
	- eP			03.0	1.0	0.5	
06	- ePE	06	47	58.0	1.0	0.2	45
	- iP			58.0	1.0	1.0	
	+ ePE	17	38	08.0	0.5	0.2	
	+ ePN			07.5	0.5	0.2	
	+ iP			07.5	0.8	0.3	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
July 07	- ePE	06	07	04.8	1.0	0.5		July 09	+ ePE	08	17	32.0	1.0	0.2	
	- eP			04.8	0.8	1.0			+ ePN				32.0	1.2	
	- ePE	11	55	27.2	1.0	0.3			+ eP			31.8	1.2	0.5	
	- ePN			26.5	1.0	0.2			+ ePE	08	32	02.2	1.0	1.0	
	- eP			26.3	1.0	0.2			- ePN			02.2	1.2	0.5	
	- ePE	13	29	47.5	1.0	0.5			+ eP			03.2	0.8	0.3	
08	+ eP			47.5	1.0	1.0			+ ePE	16	55	25.9	0.8	0.2	
	+ ePE	02	55	00.8	1.0	0.5			+ ePN			25.3	1.0	0.2	
	+ ePN			00.5	1.0	0.3		10	+ eP			25.8	1.0	0.5	
	+ eP			01.0	0.8	0.2			- ePE	01	43	44.0	0.8	0.2	
	- ePE	05	18	20.8	1.0	0.2			- ePN			44.0	0.8	0.5	
	+ eP			20.3	0.8	0.8			+ eP			43.5	0.8	0.5	
	- ePE	06	11	49.0	1.0	0.2			+ ePE	07	07	27.8	1.0	0.5	
	+ eP			49.0	1.2	1.0			- ePN			28.0	1.2	0.3	
	- ePE	06	28	18.2	1.5	0.3			+ eP			27.8	1.0	1.5	
	- eP			18.3	1.0	0.8			- ePE	09	38	12.0	1.0	0.5	
	- ePE	08	25	34.8	1.0	0.2			- ePN			12.0	1.0	0.5	48
	+ ePN			34.2	0.9	0.2			+ iP			12.0	1.0	1.5	
	+ eP			34.8	0.8	0.2			+ ePE	16	16	48.5	1.0	0.5	
	+ ePE	17	48	50.5	1.0	0.3			+ ePN			48.3	0.8	0.2	
	- ePN			50.5	0.8	0.2			- eP			48.3	0.7	0.2	
	+ eP			50.2	1.0	0.2			+ ePE	16	40	13.5	1.0	0.5	
	+ ePE	19	51	47.5	1.0	0.2			+ ePN			13.8	1.0	0.3	
	- ePN			47.3	1.0	0.2			+ eP			13.8	1.0	1.0	
	+ eP			47.3	0.8	0.2			- ePE	20	46	37.0	1.0	0.3	
	- iPE	21	26	38.2	1.0	0.5			- ePN			37.0	1.0	0.3	
	- ePN			38.2	1.0	0.5			- eP			37.0	1.0	0.3	
	+ iP			38.3	0.8	1.5			- ePE	21	20	13.5	1.0	1.0	
	- ePE	21	55	03.5	1.0	0.5		11	+ iP			13.5	1.0	2.0	48
	- ePN			03.8	1.0	0.5			+ ePE	10	23	56.6	0.8	0.5	
	+ eP			03.5	1.0	0.2			- ePN			56.5	1.0	1.0	
	- ePE	22	43	58.0	1.0	0.3			+ eP			57.0	1.0	1.5	
	- ePN			58.0	1.0	0.3			+ ePE	11	39	56.7	0.8	0.7	48
	- eP			58.2	0.8	0.3			+ iP			56.3	0.8	1.0	
09	- ePE	01	33	42.8	0.8	0.2			+ ePE	18	08	26.7	1.2	1.5	
	+ ePN			42.5	0.8	0.3			+ ePN			27.0	1.0	1.0	
	- eP			42.8	1.0	0.3			- eP			27.0	1.5	0.5	
	- ePE	04	52	55.0	1.0	0.5			- ePE	03	48	38.2	1.2	0.2	
	- eP			55.0	1.0	1.0	46	12	+ ePN			38.7	1.2	0.2	49

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
July 12	- eP	03	48	38.8	1.2	1.0	46	July 14	- eP	15	17	03.5	1.0	0.2	50
	+ ePE	06	55	13.0	0.7	0.2		- ePE	15	58	07.8	0.8	0.5		
	+ ePN			13.2	1.0	0.3		+ ePN			07.8	0.6	0.3		
	+ eP			13.0	0.8	0.5		- eP			08.0	0.8	0.5		
	- iPE	08	17	49.9	1.0	1.0		+ ePE	16	58	27.5	1.0	1.2		
	- iPN			50.1	1.0	2.0		+ eP			27.2	1.2	1.2		
	- iP			49.9	1.0	2.5		- ePE	19	27	42.8	1.0	0.3		
	- ePE	09	31	33.5	1.0	0.5		- ePN			43.0	1.0	0.3		
	+ eP			33.3	0.8	1.0		- eP			42.8	1.0	0.3		
	- ePE	17	48	53.5	1.0	0.5		- ePE	04	41	31.5	1.0	0.2		
	+ ePN			53.0	1.2	0.5		+ ePN			31.5	1.0	0.5		
	- eP			53.0	1.0	0.5		+ eP			31.5	1.0	0.5		
	- iPE	18	25	47.0	1.0	0.5		+ ePE	11	03	49.7	1.0	0.3		
	- iP			47.0	1.0	1.5		+ ePN			49.5	0.9	0.3		
	- ePE	22	25	15.8	1.0	0.5		+ eP			49.7	0.8	0.3		
	- ePN			15.8	1.2	0.5		- ePE	11	36	44.0	1.5	0.5		
	- eP			15.8	1.0	0.5		+ ePN			44.0	1.5	0.5		
	13	+ ePE	18	01	28.8	1.5		0.2	50	- eP			44.2	1.5	
- eP				28.8	1.0	0.5	- ePE	15	06	01.0	1.0	1.0			
+ ePE		21	06	10.5	1.0	0.5	- ePN			01.0	1.0	0.8			
+ ePN				10.3	1.0	0.5	+ iP			01.0	1.0	2.0			
+ eP				10.3	1.0	1.0	- ePE	16	30	16.0	0.8	0.5			
+ ePE		23	49	51.5	1.0	0.3	- ePN			16.0	1.0	0.2			
- eP				51.8	1.0	0.5	+ eP			16.4	1.0	0.5			
14		+ ePE	02	50	54.5	0.8	0.2	- ePE	18	10	14.0	0.8	0.2	54	
		+ ePN			54.8	1.0	1.0	- eP			13.5	1.0	1.0		
		+ eP			54.6	1.0	0.5	- ePE	22	11	50.2	1.2	0.2		
		- iPE	03	58	26.3	1.0	0.5	+ eP			49.8	1.4	1.0		
		- ePN			26.2	1.0	0.3	+ ePE	00	58	04.6	1.2	0.7		
	+ iP			26.2	1.0	1.0	+ ePN			05.5	1.5	1.0			
	- ePE	08	02	26.3	1.2	0.3	+ eP			04.5	1.0	0.2			
	+ eP			26.5	1.5	0.3	- ePE	07	49	54.8	1.5	0.3			
	- ePE	08	55	02.0	0.8	0.5	- iXE			51.0	1.8	2.5			
	- ePN			02.0	0.8	0.5	- iPN			49	54.5	1.0	0.3		
	+ eP			02.0	0.8	0.5	- iXN			50	51.3	1.8	2.5		
	- ePE	13	34	16.2	1.0	0.3	- iP			49	54.5	1.0	0.3		
- eP			16.5	1.0	0.8	+ iX			50	51.0	1.8	4.0			
- ePE	15	17	03.2	1.2	0.2	+ ePE	13	43	51.3	0.8	0.5				
- ePN			03.2	1.0	0.2	- ePN			51.3	0.8	0.3				

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
July 16	+ eP	13	43	51.5	0.8	0.5	49	July 18	+ eP	12	30	32.9	1.0	1.0	50
	- ePE	15	55	28.0	1.0	0.3		+ ePE	13	24	45.5	0.8	1.2		
	- ePN			28.0	0.8	0.5		- ePN			45.5	0.8	0.3		
	+ iP			28.1	0.8	1.5		- eP			45.8	0.8	1.2		
	- ePE	19	06	08.8	1.0	1.2	- iPE	21	17	02.0	0.8	1.2			
	+ ePN			08.8	1.0	0.8	- ePN			02.1	0.8	1.0			
	- eP			08.8	0.8	0.5	+ iP			02.0	0.8	2.0			
	- ePE	21	30	37.0	1.6	1.5	+ ePE	00	01	49.0	1.0	1.0			
	+ ePN			36.5	2.0	1.0	+ ePN			49.2	1.1	1.0			
	- iP			36.5	2.0	3.0	- eP			49.2	1.0	1.0			
	LP - iSE		41	23.1	9.3	1.0	- ePE	09	35	59.2	1.0	0.2			
	- iSN		41	23.1	9.3	0.5	- ePN			59.2	1.0	0.2			
	+ eP		30	35.0	5.5	0.2	+ eP			59.2	1.0	1.0			
	+ eS		41	23.1	11.1	0.3	+ ePE	01	27	07.2	1.0	0.5			
17	+ ePE	05	38	34.0	1.0	0.7	+ ePN			07.2	1.0	0.5			
- ePN				34.5	1.2	0.2	- eP			07.2	1.0	1.0			
- eP				34.2	1.0	0.5	- ePE	03	02	57.2	1.0	1.2			
- ePE	18	41	04.5	0.8	1.0	1.0	- eP			57.2	1.0	1.5			
+ ePN			04.5	1.0	0.2	0.2	+ ePE	09	19	10.5	1.0	0.3			
+ eP			04.8	1.0	0.5	0.5	+ iP			10.4	1.0	0.5			
+ iPE	20	17	25.0	1.2	1.3	1.3	- ePE	16	17	36.8	1.2	0.2			
- iPN			24.5	1.3	0.5	0.5	+ ePN			37.2	1.2	0.5			
+ iP			24.5	1.3	1.5	1.5	+ eP			37.2	1.0	0.5			
LP + ePE		17	26.8	4.6	0.2	0.2	+ ePE	21	46	14.0	1.0	0.5			
+ eSE		27	51.7	14.8	0.5	0.5	+ ePN			14.0	1.0	0.5			
- eSN		27	51.7	13.9	0.3	0.3	+ eP			14.3	1.0	0.3			
- eP		17	26.8	7.4	0.3	0.3	- ePE	00	58	22.0	1.0	0.2			
- eS		27	51.7	13.9	0.3	0.3	+ ePN			21.5	1.5	0.5			
- ePE	22	23	39.2	1.0	0.5	0.5	- eP			22.0	1.5	0.8			
+ ePN			39.0	1.0	0.3	0.3	- ePE	01	59	19.9	1.2	0.5			
+ eP			39.2	1.0	0.3	0.3	- ePN			20.0	1.2	0.8			
18	+ ePE	02	08	25.0	1.0	0.5	+ eP			20.1	1.0	1.0			
- eP			25.0	1.5	2.5	2.5	- ePE	05	32	24.5	1.0	0.2			
+ iPE	09	06	07.0	1.5	0.5	0.5	- eP			24.9	1.0	0.7			
+ iP			07.0	1.2	0.8	0.8	+ ePE	06	34	40.2	1.8	0.3			
+ ePE	09	21	15.2	1.0	1.0	1.0	- eP			40.2	1.8	1.0			
+ ePN			15.2	1.0	0.5	0.5	+ ePE	07	02	58.0	1.0	1.0			
+ eP			14.9	1.0	0.8	0.8	- eP			58.1	1.0	0.5			
+ ePE	12	30	33.0	1.0	0.5	0.5	+ ePE	09	46	03.9	1.0	1.2			

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.		
		h	m	s						h	m	s					
July 21	+ ePN	09	46	04.0	0.8	1.0	51	July 25	+ ePE	03	53	24.0	1.0	0.3	50		
	+ eP			03.9					- ePN			24.2				1.0	0.2
+ ePN	18	58	14.5	1.5	0.5	- eP		24.0	1.0	0.2	14	10	30.3	1.0		1.0	
- eP			14.5			+ ePE		30.1					0.8				1.0
22	+ ePE	02	35	46.6	1.0	0.5		+ iP	30.1	0.8	1.0	20	23	53.8		1.2	0.3
	- ePN			46.6				+ ePE	53.8					1.0			
- eP	02	59	46.5	0.8	1.0	+ eP		53.8	1.0	0.5	22	59	59.0	1.5		0.5	
- ePE			17.3			+ ePE		59.0					2.0				2.5
+ ePN	09	00	17.3	1.0	1.0	- iP		59.0	2.0	2.5	23	10	04.1	1.2		0.2	
+ ePE			00.6			- ePE		04.1					1.2				0.2
+ ePN	09	00	00.8	1.0	0.2	+ eP	03.8	1.5	0.5	26	03	28	16.5	1.0	0.5		
- eP			01.0			- ePE	16.5						1.0			0.5	
- ePE	16	44	07.4	1.0	0.5	+ ePN	16.3	1.2	1.0	07	13	48.0	1.0	0.5			
- iP			07.3			+ eP	16.4					1.2			1.5		
23	+ ePN	03	40	27.8	1.0	0.2	+ iPE	48.0	1.0	0.5	07	29	29.2	1.2	0.5		
	+ eP			27.8			- eP	29.2					1.5			2.5	
+ ePE	06	34	19.0	0.8	0.3	- ePE	29.2	1.2	0.5	27	06	30	14.8	0.8	2.0		
+ ePN			19.2			+ ePN	14.5						1.0			1.2	
+ eP	15	58	19.2	0.8	0.8	- eP	14.5	0.9	1.3	08	55	08.0	1.0	0.5			
- ePN			13.0			+ ePE	08.0					1.0			0.5		
- eP	18	24	12.8	1.0	1.0	- ePN	07.8	1.5	0.5	12	42	16.0	0.8	1.0			
+ ePE			39.8			- eP	08.0					1.0			1.0		
+ ePN	18	53	39.6	1.0	1.0	+ iPE	16.0	0.8	1.5	21	21	22.0	1.2	1.2			
+ eP			39.5			- eP	21.8					1.0			0.5		
+ ePE	18	53	46.2	0.8	0.3	+ ePN	14.5	1.0	1.2	06	30	14.8	0.8	2.0			
+ ePN			46.3			+ ePN	14.5					1.0			1.2		
+ eP	21	49	46.2	0.8	0.5	- ePN	07.8	1.5	0.5	08	55	08.0	1.0	0.5			
+ ePE			33.9			- eP	08.0					1.0			1.0		
+ ePN	21	49	33.9	1.0	0.2	+ iPE	16.0	0.8	1.5	12	42	16.0	0.8	1.0			
+ eP			33.9			- iP	16.0					0.8			4.0		
24	- ePE	01	28	21.3	1.0	0.2	- ePE	17	0.8	0.5	17	43	58.0	0.8	0.5		
	+ ePN			21.5			+ ePN	58.2					0.8			0.5	
+ eP	04	44	21.9	1.0	0.5	+ eP	58.2	0.8	0.5	27	06	30	14.8	0.8	2.0		
+ ePE			49.7			+ ePE	14.8						0.8			2.0	
- ePN	08	22	50.0	1.0	0.3	+ ePN	14.5	1.0	1.2	08	55	08.0	1.0	0.5			
+ eP			49.7			- ePN	08.0					1.0			1.0		
- ePE	08	22	14.2	1.0	0.5	+ eP	59.5	1.0	1.0	28	00	40	34.3	1.0	2.0		
- ePN			14.2			+ ePN	34.3						1.0			1.0	
+ iP	08	22	14.1	1.0	2.5	+ iP	34.3	1.0	3.0	28	00	40	34.3	1.0	3.0		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
July 28	- ePE	02	10	31.0	1.0	0.8	52	July 31	- iP	17	20	26.6	1.6	34.0	51
	- ePN			32.0	1.2	1.0		- iS		30	01.1	2.4	39.0		
	+ ePE	05	00	36.8	1.2	0.8		LP - iPE		20	25.9	7.4	0.5		
	+ ePN			36.8	1.5	0.5		+ iSE		29	59.0	10.2	5.5		
	- eP			36.5	1.0	1.0		- eXE		30	46.0	11.1	9.0		
	+ ePE	19	25	28.0	1.0	1.0		- iPN		20	25.9	7.4	0.5		
	- ePN			27.8	1.2	0.8		+ iSN		29	59.0	10.2	6.5		
	+ eP			28.0	1.0	1.2		+ iSSSN		38	09.3	20.3	8.5		
	- ePE	21	14	03.2	1.1	1.0		+ iPE	18	02	23.8	1.1	5.0		
	+ ePN			02.9	1.5	0.5		- ePN			23.8	1.0	2.0		
	+ eP			03.2	1.2	1.0		+ iP			23.8	1.1	15.0		
	+ ePE	03	58	22.5	1.0	1.2		+ ePE	18	19	37.8	1.0	0.8		
	- ePN			23.2	1.0	1.2		+ eP			37.5	0.9	1.0		
	+ eP			22.5	1.5	0.5									
29	- ePE	10	30	12.9	1.2	1.0	54	Aug. 01	- ePE	01	29	40.0	0.8	0.5	56
	+ ePN			13.0	1.0	0.5		+ ePN			40.0	1.2	0.3		
	+ eP			12.8	1.3	3.5		+ iP			40.0	0.8	1.2		
	LP +iSKSE		40	41.5	6.5	0.6		- ePE	06	37	19.2	1.2	1.0		
	- eSE		41	49.0	12.0	1.0		+ ePN			19.5	1.2	1.0		
	+ iSKSN		40	41.5	6.5	0.5		+ eP			19.2	1.2	1.8		
	+ iSN		41	50.0	13.8	1.0		+ ePE	10	48	54.0	1.0	0.5		
	- ePE	00	17	42.8	0.8	0.5		- eP			54.0	1.2	1.0		
	- eP			43.0	0.8	0.5		- ePE	19	53	01.9	1.0	1.0		
	- ePE	02	37	51.8	1.0	1.0		- ePN			02.0	1.0	1.0		
	- eP			51.7	0.9	1.0		+ eP			02.2	0.8	0.5		
	- ePE	04	37	22.0	1.2	1.2		+ ePE	03	05	18.8	1.2	1.2		
	- eP			22.8	1.2	0.5		+ ePN			19.1	1.2	0.2		
	- ePE	05	11	10.0	1.5	0.5		+ eP			18.8	1.0	0.3		
+ eP			10.0	1.6	1.8	- ePE	06	44	35.8	0.8	0.5				
30	- ePE	09	05	33.2	1.6	1.0	51	+ ePN			36.0	0.8	1.0	56	
	+ eP			33.2	1.6	3.0		+ eP			35.8	0.8	0.8		
	+ ePE	13	04	08.5	1.0	1.0		+ ePE	16	08	25.7	1.0	1.0		
	+ eP			08.8	1.0	1.5		+ eP			25.7	1.0	1.0		
	+ ePN	15	28	37.3	1.8	1.5		- ePE	16	19	27.8	1.0	0.7		
	- eP			37.3	1.8	1.0		- eP			27.7	1.0	1.0		
	- iPE	17	20	26.6	1.6	10.0		+ ePE	18	38	26.6	1.2	0.8		
	+ iSE		30	01.0	2.5	72.0		+ ePN			26.5	1.5	0.5		
	+ iPN		20	26.6	1.6	4.5		+ eP			26.5	1.5	1.0		
	+ iSN		29	59.0	2.0	12.0									

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Aug. 02	+ ePE	19	36	59.0	1.0	0.2	52	Aug. 05	- iP	05	38	55.4	1.0	4.5	
	- ePN			59.0	1.0	0.5			- ePE	06	27	40.2	1.5	1.0	
03	- eP			58.8	1.0	0.5	52	- ePN			40.0	1.0	0.5		
	- ePE	00	11	36.3	1.0	0.3		- eP			40.0	1.0	0.7		
	+ ePN			36.7	0.9	1.0	52	+ ePE	22	36	36.5	0.9	1.0		
	+ eP			36.5	1.0	0.5		- ePN			36.5	0.8	0.5		
	- ePE	00	46	48.5	1.0	0.5	52	- eP			36.5	0.8	0.5		
	- ePN			48.5	1.0	0.5		- ePE	13	58	13.8	1.3	1.0		
	+ iP			48.5	1.0	1.3	52	- eP			13.5	1.3	2.2		
	- ePE	03	46	42.8	1.2	0.3		- ePE	17	32	40.2	1.0	0.3		
	- ePN			42.8	1.8	0.5	52	- ePN			40.3	0.8	0.2		
	- eP			42.2	1.5	0.8		+ iP			40.5	1.0	1.2		
	- ePE	06	01	33.2	1.5	1.0	52	+ ePE	21	34	13.3	1.5	1.0	54	
	- eP			33.2	1.5	1.0		+ ePN			13.5	1.5	1.2		
	+ ePE	07	14	18.3	1.0	0.3	51	+ eP			13.2	1.0	0.5		
	- ePN			18.3	1.0	0.2		- ePE	22	12	24.0	1.1	0.5		
	- eP			18.5	0.9	1.0	52	+ eP			24.2	1.0	0.5		
	+ ePE	10	56	51.5	1.0	1.0		- ePE	23	58	12.2	1.2	1.0		
	- eP			51.8	1.0	1.2	52	- eP			12.1	1.2	1.0		
	+ ePE	14	55	18.3	0.8	0.5		- ePE	04	16	03.0	0.8	0.5		
	- eP			18.2	0.8	1.5	51	- ePN			03.0	0.8	0.2		
	+ iPE	22	42	16.3	1.2	2.0		- eP			03.0	1.0	0.5		
	+ ePN			16.7	1.2	1.5	52	- iPE	08	03	08.8	0.5	0.5	53	
	- iP			16.3	1.2	7.5		- iSE			12	43.1	1.8		2.0
04	+ ePE	00	44	53.3	1.5	0.5	52	+ iPN			03	08.8	0.6	0.3	
	- eP			52.3	1.5	0.8		+ iSN			12	43.0	1.5	1.2	
	+ ePE	17	50	02.8	1.0	0.5	51	+ iP			03	08.6	0.6	2.5	
	+ ePN			02.5	0.9	0.8		- eS			12	43.2	1.5	1.0	
	- eP			02.6	1.0	1.5	52	+ ePE	09	29	40.0	0.7	0.2	53	
	- ePE	20	36	39.5	1.0	1.0		+ ePN			40.2	0.8	0.2		
	+ ePN			39.5	0.8	0.2	52	+ eP			40.2	0.8	1.0		
	+ eP			39.3	0.8	0.8		- ePE	11	02	06.2	0.8	0.2		
	+ ePE	22	02	12.3	0.8	1.2	52	- ePN			06.5	0.8	0.3		
	+ ePN			12.0	0.8	0.5		- eP			06.0	0.9	0.5		
	- iP			12.2	0.8	1.2	51	+ iPE	13	41	52.5	1.1	1.5	53	
05	- ePE	02	25	46.5	1.2	0.5		+ iPN			52.6	0.8	0.2		
	+ eP			46.6	1.0	1.0	- iP			52.3	0.8	4.5			
	- ePE	05	38	55.4	1.0	0.5	51	- eP	16	52	16.8	1.0	0.5		
	- ePN			55.8	1.0	2.0		+ ePE	05	22	42.0	1.0	1.2		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Aug. 08	+ ePN	05	22	42.2	1.0	1.8	54	Aug. 10	- ePN	11	23	15.0	0.8	0.5	54
	+ eP			42.2	0.9	1.8		+ eP			15.0	0.9	0.5		
	- ePE	08	08	54.8	0.8	0.5		+ ePN	11	46	54.2	1.0	0.5		
	+ eP			54.8	0.8	2.5		- eP			54.3	1.0	1.2		
	+ ePE	08	44	03.0	0.9	1.0		+ ePE	12	03	44.5	1.0	0.5		
	+ ePN			03.0	0.9	3.0		+ ePN			44.3	1.0	0.8		
	+ eP			03.0	0.9	2.0		- eP			44.3	1.0	1.0		
	- ePE	15	21	02.8	0.8	0.5		- ePE	15	28	11.0	1.6	0.5		
	+ ePN			03.0	0.8	1.0		+ eSE		38	41.3	2.5	2.0		
	- eP			03.0	0.5	0.5		+ iPN		28	11.7	1.5	2.5		
	- iPE	21	17	04.0	1.3	0.5		+ eSN		38	41.8	3.0	3.5		
	- ePN			04.0	1.2	0.5		+ iP		28	11.0	2.0	3.0		
	+ iP			04.0	1.3	1.5		LP + eSN		39	09.2	15.8	0.5		
	- ePE	23	04	21.6	0.9	0.2		- eP		20	13.9	14.8	0.5		
- ePN			21.7	1.0	1.0	+ ePE	03	55	02.0	0.7	0.5				
- eP			22.0	1.0	1.5	+ ePN			02.0	0.8	1.0				
09	+ ePE	06	06	38.9	1.0	1.5	+ eP			02.1	0.8	0.8	53		
	+ ePN			39.1	1.0	1.5	- ePE	04	00	40.8	0.8	0.2			
	- eP			38.9	0.8	0.5	- eP			40.8	1.4	1.0			
	+ ePE	10	03	18.3	1.0	1.0	+ ePE	06	17	34.8	1.5	1.2			
	+ ePN			18.5	1.0	1.2	+ ePN			34.8	1.5	1.0			
	- eP			18.6	1.0	1.0	- eP			34.8	1.3	2.0			
	- ePE	11	39	15.0	0.5	0.5	- ePE	10	22	24.0	1.0	0.5			
	+ ePN			14.8	0.8	1.0	+ ePN			24.1	1.2	1.8			
	- eP			14.8	0.8	1.0	+ iP			23.9	1.2	2.0			
	+ ePE	13	42	51.5	1.0	1.0	+ ePE	10	35	14.5	1.3	1.0			
	+ iPN			51.7	1.0	1.7	- eSE		45	40.3	1.8	2.5			
	+ iP			51.5	0.8	1.7	- ePN		35	14.6	1.8	1.5			
	- ePE	18	37	48.0	1.0	0.5	+ eSN		45	41.3	1.8	2.0			
	+ eP			48.0	1.2	0.3	- eP		35	14.3	1.6	3.5			
- ePN	20	16	19.5	1.0	0.5	+ eS		45	44.0	1.8	1.2				
- eP			20.8	1.0	0.6	LP - ePE		35	16.7	4.6	0.2				
+ ePN	21	19	24.8	1.0	0.3	- eSE		45	35.1	14.8	0.5				
+ eP			24.5	0.8	1.0	+ ePN		35	16.7	5.5	0.2				
+ ePE	23	33	33.8	1.0	1.0	+ eSN		45	37.0	14.8	0.5				
+ eP			33.5	1.0	1.0	+ eP		35	16.7	16.7	0.3				
- ePE	23	46	41.0	1.2	1.0	- ePE	13	22	33.8	1.8	1.0				
- eP			41.0	1.2	0.3	- ePN			33.8	1.8	1.0				
+ ePE	11	23	15.0	1.0	0.5	- iP			33.0	1.8	2.5				

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s			
Aug. 11	- ePE	15	18	22.3	1.3	0.3	61
	- eP			22.3	1.2	0.3	
	+ ePE	16	29	12.9	1.8	1.0	
	+ ePN			12.8	1.8	0.5	
	- eP			12.8	1.8	2.0	
	- iPE	20	16	35.0	2.0	5.0	
	+ iPN			35.1	2.0	1.5	
	- iP			35.0	2.0	6.0	
	LP + ePE		16	37.0	9.2	0.2	
	+ iSE		21	19.4	11.1	1.0	
	+ eXE		24	03.7	16.7	1.5	
	12	+ ePN		16	37.0	9.2	0.3
+ eSN			21	18.5	10.2	1.0	
- eXN			24	03.7	11.1	0.3	
+ ePE		20	58	04.7	0.8	1.2	
+ ePN				04.7	1.3	1.5	
+ eP				04.4	1.5	1.5	60
- ePE		00	52	24.8	1.8	0.5	
+ eP				24.8	1.8	1.8	
+ ePE		00	53	34.8	2.0	1.5	
- ePN				35.0	2.0	1.5	
+ iP				34.8	2.0	1.5	
- ePE		01	52	27.6	2.3	1.5	
- ePN			27.6	2.3	4.0		
+ eP			27.0	3.0	2.5		
- ePE	03	22	37.2	1.5	0.5		
+ eP			37.0	1.8	1.0	60	
+ ePN	06	23	12.0	1.8	0.5		
- eP			12.0	1.8	1.0		
+ ePE	08	22	41.5	1.8	1.0		
- eP			41.5	1.8	1.0		
+ ePE	08	34	16.8	1.7	2.0		60
+ ePN			16.6	2.0	1.5		
- eP			16.6	2.0	6.5		
+ ePE	09	18	40.0	1.8	0.7		
+ ePN			40.0	2.0	1.2		
- iP			40.0	2.0	2.5	60	
+ ePE	12	16	08.0	1.0	0.2		
- ePN			08.0	1.0	0.5		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s			
Aug. 12	- eP	12	16	08.0	1.3	0.5	60
	+ ePE	12	47	45.0	1.0	0.5	
	+ ePN			45.0	1.0	0.2	
	+ eP			44.5	1.1	0.8	
	- ePE	15	49	09.0	1.0	1.0	
	- ePN			09.1	1.0	1.2	
	- eP			09.0	0.8	0.5	
	- ePE	15	57	50.2	1.0	1.0	
	+ eP			50.3	1.0	1.0	
	+ ePE	17	49	12.8	1.0	0.2	
	+ ePN			12.8	1.5	0.5	
	13	+ eP			12.7	1.2	
- ePE		22	04	30.5	1.4	0.8	
+ ePN				30.7	1.5	0.2	
+ eP				30.8	1.2	1.0	
+ iPE		00	34	51.8	1.2	1.0	
+ iPN				51.8	1.0	1.2	55
+ iP				51.5	1.2	1.5	
+ iPE		04	20	53.5	0.8	0.8	
+ ePN				53.2	0.8	0.8	
- iP				53.6	0.8	1.0	
- iPE		04	34	21.6	1.2	4.0	
- iSE			44	01.6	3.0	3.5	
- ePN		34	22.3	1.0	1.0		
+ iSN		44	01.7	1.8	2.5		
+ iP		34	21.8	1.5	9.0		
+ iX		34	43.8	1.6	9.0		
- eS		44	01.5	2.0	1.2		
+ ePE	04	48	03.0	1.0	1.8		
- ePN			03.0	1.0	1.0		
+ iP			03.0	0.9	1.2		
+ ePE	17	48	04.8	1.5	1.2		
- ePN			04.8	1.5	1.5		
- eP			04.8	1.5	0.5		
- ePE	17	50	28.3	1.0	1.0		
- ePN			28.5	1.0	1.2		
+ eP			28.5	0.8	1.0		
- ePE	18	12	18.8	1.8	2.5		
+ ePN			18.8	1.5	1.0		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	
		h	m	s				
Aug. 13	+ eP	18	12	19.0	1.0	0.5		
	- ePE	18	31	38.5	0.9	0.8		
	+ ePN			38.3	1.0	0.5		
	+ eP			38.0	1.0	1.0		
	+ ePE	18	43	33.8	1.0	0.5		
	- ePN			33.7	0.8	0.5		
	+ eP			33.8	1.0	0.2		
	+ ePE	21	03	14.1	0.9	0.5		
	+ ePN			14.2	0.8	1.0		
	- eP			14.2	0.9	0.2		
	+ ePE	22	58	33.3	1.5	1.0		
	+ ePN			33.3	1.2	1.0		
	- eP			33.3	1.5	2.0		
	+ ePE	23	44	39.9	1.2	2.8		
14	- ePN			39.9	1.2	0.5		
	+ eP			39.8	1.5	1.0		
	- ePE	17	00	07.5	1.0	1.2		
	- ePN			07.5	1.0	0.5		
	+ eP			07.8	1.2	0.8		
	+ ePE	18	34	51.4	1.2	0.5		
	- ePN			51.8	1.0	0.2		
	+ eP			52.0	1.0	0.5		
	- ePE	18	54	33.0	1.2	0.5		
	+ ePN			32.9	1.5	1.0		
	+ eP			32.9	1.0	0.8		
	15	+ ePE	07	43	53.8	1.8	2.0	
		+ eP			53.8	1.5	1.0	
		- ePE	19	15	46.8	0.8	1.0	
+ ePN				46.8	1.0	1.0		
+ eP				47.0	1.0	1.0		
+ ePE		21	06	30.5	1.0	1.0		
+ ePN				30.8	0.8	0.8		
+ eP				30.6	1.0	0.8		
+ ePE		23	23	35.0	0.8	0.2		
- ePN				35.1	0.8	0.5		
- eP				35.1	0.8	0.5		
16		+ ePE	15	56	27.2	0.8	0.5	
		+ ePN			27.2	1.0	0.5	
		+ eP			27.2	1.0	0.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.		
		h	m	s					
Aug. 16	+ ePE	16	34	25.2	1.0	1.0	57		
	- ePN			25.2	1.0	0.5			
	- eP			25.0	1.0	1.0			
	+ ePE	18	03	24.3	0.8	1.0			
	- ePN			24.3	1.0	1.5			
	- eP			24.3	1.0	1.2			
	+ ePE	18	43	10.5	1.0	1.8			
	- ePN			10.4	1.0	1.0			
	- eP			10.7	0.8	0.5			
	- ePE	18	52	46.3	1.0	0.5			
	+ ePN			46.2	1.0	0.5			
	+ eP			46.5	1.0	1.0			
	17	+ ePE	05	32	48.2	1.0		0.5	64
		+ ePN			48.8	1.0		1.0	
+ eP				48.2	1.2	1.0			
+ ePE		08	59	05.1	1.0	1.0			
+ ePN				05.1	1.0	1.0			
+ eP				05.2	1.0	1.0			
- ePE		19	08	37.2	0.8	0.2			
- ePN				37.2	1.0	0.6			
+ eP				37.5	1.0	1.0			
- ePE		20	24	56.2	0.8	1.0			
- ePN				56.1	0.8	0.5			
+ eP				56.5	0.8	0.5			
- ePE		21	16	54.5	1.0	1.0			
- ePN				54.7	1.0	0.3			
+ eP			54.7	0.7	0.5				
18	- ePE	22	53	04.0	0.8	1.0			
	+ ePN			04.0	0.8	0.5			
	+ eP			04.0	0.8	0.5			
	- ePE	23	03	20.5	1.3	0.5			
	+ ePN			20.5	1.3	1.0			
	+ eP			20.3	1.0	0.5			
	- ePE	01	37	14.3	1.0	1.0			
	- ePN			14.3	1.0	0.5			
	+ iP			14.5	0.9	1.8			
	- ePE	12	07	04.5	1.2	1.0			
	+ ePN			04.3	1.2	1.0			

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Aug. 18	+ eP	12	07	04.5	1.3	1.0	57	Aug. 21	- ePE	08	51	49.3	1.0	0.5	57
	+ ePE	16	45	08.0	1.0	0.5		+ eP				49.6	1.0	1.0	
	- eP			07.6	1.0	1.0		+ iPE	16	51	02.5	0.8	2.0		
	- ePE	17	04	33.9	0.9	2.0		+ ePN			02.6	0.7	1.5		
	+ eSE		14	10.2	1.2	0.5		+ iP			02.5	0.7	2.5		
	+ ePN		04	33.8	0.8	0.2		- ePE	22	37	43.2	1.0	0.2	65	
	+ eSN		14	10.6	1.0	0.8		+ iPN			43.3	1.0	1.5		
	- ePE	18	02	09.5	1.3	1.0		+ iP			43.2	0.8	1.0		
	- ePN			09.3	1.3	0.2		+ ePE	23	10	38.6	0.8	0.2		
	19	+ ePE	02	24	09.2	1.3		1.5	61	- ePN			38.7	0.8	
+ ePN				09.5	1.2	0.3	+ eP				38.7	0.8	0.5		
- ePE		18	29	57.2	0.8	1.0	- ePE	04		20	18.2	0.8	0.5		
+ ePN				57.5	1.0	0.8	- ePN				18.5	0.8	0.5		
+ ePE		22	36	08.0	1.0	1.5	+ eP				18.8	0.8	1.0		
+ ePN				08.2	1.2	1.0	+ ePE	11		47	00.2	1.2	1.0		
+ eP				08.0	1.0	1.0	+ ePN				00.2	1.5	0.2		
- ePE		23	43	26.5	1.0	0.5	- iP				00.2	1.5	3.0		
+ ePN				26.3	1.2	0.5	- ePE	12		59	11.0	1.0	0.5	61	
- eP				26.3	1.2	1.0	- eP				10.8	1.0	0.8		
20	+ ePN	00	43	11.5	1.0	1.8	63	+ ePE	13	07	51.8	0.8	0.2		
	+ eP			11.2	1.0	1.5		+ ePN			52.0	0.8	0.6		
	- ePE	01	19	31.2	1.0	0.5		+ iP			51.8	0.8	1.2		
	+ ePN			31.0	1.0	0.5		- iPE	13	11	15.5	1.0	0.8	63	
	+ eP			31.2	1.0	1.2		+ ePN			15.8	0.8	0.5		
	- ePE	07	20	34.7	1.0	0.5		+ iP			15.5	0.8	1.8		
	- ePN			34.7	1.0	1.2		+ ePE	04	34	41.8	0.8	0.5		
	+ eP			34.7	1.2	1.3		- ePN			41.8	0.8	0.7		
	+ iPE	13	05	23.8	1.1	1.5		+ iP			41.8	0.9	1.2		
	+ iPN			23.8	1.0	1.5		+ ePN	05	10	26.5	0.8	0.2	59	
+ iP			23.5	1.0	1.5	+ eP			26.7	0.8	1.0				
21	+ iPE	15	30	26.5	0.8	1.5	60	- ePE	21	01	09.3	1.0	0.8		
	- iSE		31	00.5	1.0	2.0		+ ePN			09.2	1.0	1.2		
	- ePN		30	26.3	0.8	0.5		- eP			09.3	1.0	0.3		
	+ iSN		31	00.5	1.0	1.5		- ePE	03	37	54.7	1.0	1.0	58	
	- iP		30	26.3	0.8	2.0		+ ePN			54.5	0.8	0.5		
	- iS		31	00.5	1.0	6.5		- iP			54.5	0.9	2.5		
	- ePE	07	44	47.3	1.0	0.5		+ ePE	03	51	22.0	0.7	0.3		
	+ ePN			47.3	1.1	0.8		+ ePN			22.2	1.0	1.0		
	+ eP			47.7	1.0	1.0		+ eP			22.2	1.0	0.7		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Aug. 24	- ePE	04	07	10.2	1.2	1.5	60	- eP	03	38	37.5	1.2	2.0	60	
	- ePN			10.2	1.2	1.0		- iPE	06	40	05.0	0.8	1.5		
	- eP			10.2	1.4	1.8		+ iPN			05.0	0.8	1.0		
	+ iPE	07	01	28.3	1.2	3.0		+ iP			05.1	0.8	1.2		
	+ iPN			27.5	2.0	3.5		+ ePE	09	25	04.3	1.0	1.0		
	+ iP			28.0	1.2	1.5		- ePN			04.2	1.0	1.0		
	+ ePE	09	45	03.8	1.2	0.2		+ eP			04.2	1.0	0.5		
	+ ePN			03.8	1.0	0.5		+ ePE	18	26	13.0	1.0	0.5		
	- eP			03.8	1.0	1.0		+ ePN			12.8	1.0	0.5		
	+ iPE	12	39	47.5	1.0	2.5		+ iP			12.8	0.8	2.0		
	- eSE			47	5.0	5.0		- ePE	20	03	53.8	1.0	0.5		
	+ ePN			39	46.0	1.0		1.5	- ePN			53.2	1.5		0.5
	- eSN			47	26.5	3.0		1.5	+ iP			53.8	1.2		2.0
	- eP			39	44.0	0.9		3.0	+ ePE	06	42	09.0	1.0		1.0
	- eS			47	28.0	2.5		1.5	- ePN			09.0	1.0		0.3
	- ePE	12	50	05.6	1.2	1.0		+ eP			09.2	1.2	1.0		
	- ePN			05.5	1.2	3.0		- ePE	12	30	30.0	1.0	0.5		
	+ iP			05.3	1.5	6.0		+ ePN			29.3	1.2	1.0		
	- ePN	12	56	14.8	1.2	0.5		- eP			29.3	1.0	0.5		
	+ iP			14.8	1.2	1.0		- ePE	13	13	08.0	1.0	0.3		
	+ ePN	12	57	46.5	1.0	1.0		+ iPN			08.3	1.0	1.0		
	+ eP			46.3	1.0	1.0		+ iP			08.3	1.0	1.5		
	+ ePE	13	06	26.8	1.2	0.5		+ ePE	14	33	08.8	1.0	0.8		
- iP			26.8	0.8	1.5	- ePN			08.8	1.5	0.5				
- ePE	15	58	04.9	0.8	0.5	- eP			09.0	1.5	1.0				
- ePN			05.0	1.0	0.5	- ePE	15	02	53.2	1.3	0.5				
+ eP			05.5	1.0	0.5	- ePN			53.2	1.0	0.5				
- ePE	16	45	03.3	1.0	0.5	- eP			52.8	1.5	0.5				
+ ePN			03.2	0.8	1.0	- ePE	16	00	44.2	1.0	0.5				
- eP			03.2	0.8	0.5	- iP			44.2	1.5	1.0				
- ePE	00	39	32.8	1.2	1.0	+ ePE	16	35	36.0	1.2	1.2				
- ePN			33.0	1.2	0.5	- ePN			35.3	1.2	1.0				
- eP			33.0	1.0	0.2	+ eP			35.3	1.0	1.0				
+ ePE	05	01	52.8	1.2	0.3	- ePE	01	15	56.5	1.2	0.8				
- eP			52.7	1.5	1.0	+ iSE			24.5	4.1	2.5				
- ePE	16	05	27.3	1.5	1.0	+ eSN			24.6	3.5	3.0				
- ePN			27.0	1.0	0.5	+ eP			15	56.7	1.2	1.5			
+ eP			27.2	1.0	0.5	+ eS			26	24.8	4.2	2.5			
+ ePN	03	38	36.5	0.8	1.2	- iP			26	25.9	7.4	0.5			

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Aug. 28	+ eSE	01	37	01.9	14.8	1.0	62	Aug. 29	+ ePE	00	43	11.0	1.0	0.5	65
	+ iPPN		26	25.9	9.2	1.0		+ ePN			11.0	1.0	0.5		
	- eSN		37	02.0	13.9	0.5		- eP			11.0	1.0	1.5		
	- ePE	02	34	47.8	1.2	1.0		+ ePE	19	33	00.5	1.0	1.0		
	+ iP			48.2	1.2	1.5		+ ePN			00.5	1.0	1.0		
	+ iPE	04	38	13.2	1.2	1.0		- eP			00.5	1.0	0.5		
	- ePN			12.8	1.0	1.0		- ePE	19	38	46.5	0.8	0.5		
	+ iP			13.2	1.1	2.0		+ ePN			46.3	1.0	0.5		
	+ ePE	06	04	51.8	1.5	1.0		+ eP			46.5	0.8	0.5		
	+ ePN			51.8	1.5	0.8		+ ePE	00	57	03.0	1.5	0.5		
	+ eP			51.5	1.8	1.0		- eP			03.5	2.3	1.0		
	+ ePE	06	05	33.8	1.0	1.0		+ ePE	17	27	06.0	1.2	0.8		
	+ ePN			34.2	1.5	0.8		- ePN			06.0	1.0	0.5		
	+ eP			34.2	1.5	1.0		+ eP			06.0	1.5	1.0		
	+ ePE	07	29	09.3	0.8	0.5		+ iPE	18	04	32.1	1.7	3.5		
	+ ePN			09.6	0.8	0.8		+ iPN			32.1	1.0	0.5		
	+ eP			09.5	0.8	0.5		- iP			32.0	1.8	25.5		
	- iPE	10	17	30.5	1.5	1.5		+ iPE	18	04	33.2	5.5	0.2		
	+ iSE			26	56.2	1.7		9.0	+ iPN			33.2	7.4	1.0	
	- iPN			17	30.4	1.3		3.5	- iPE	18	48	33.3	0.8	1.0	
	+ eSN			26	52.2	3.0		2.0	+ iPN			33.4	0.6	0.5	
	+ iP			17	30.5	1.3		6.0	- iP			33.3	0.8	3.0	
	+ iS			26	56.5	1.5		1.5	- ePE	22	10	57.5	1.0	0.2	
	+ ePE	13	40	13.2	0.8	0.3		- eP			58.0	0.7	0.5		
	+ ePN			13.0	0.8	0.5		+ ePE	02	54	48.1	1.0	2.0		
	+ eP			13.2	0.8	0.5		+ eP			47.9	1.1	1.0		
	- ePE	14	14	39.2	1.2	0.3		+ ePE	09	49	07.7	0.7	1.0		
- ePN			39.2	1.2	0.3	- ePN			07.7	0.8	0.3				
+ eP			39.2	1.2	0.8	- iP			07.5	0.8	1.0				
- ePE	16	14	10.8	1.0	0.5	+ iPE	13	56	29.8	0.8	1.0				
- eP			10.7	1.0	0.6	- iP			29.8	0.8	1.0				
- ePE	20	27	50.2	1.5	0.5	- ePE	17	51	30.8	1.2	0.8				
+ ePN			50.2	1.0	0.8	- eP			30.5	1.2	0.5				
+ eP			50.7	1.5	0.8	+ ePE	18	28	02.8	1.0	0.3				
+ ePE	22	27	00.4	1.0	1.0	- ePN			03.0	1.0	0.3				
- ePN			00.5	0.8	0.5	+ eP			03.2	1.0	0.3				
- eP			00.6	1.0	0.5	- ePE	18	59	01.9	1.2	0.5				
- ePN	22	59	04.5	1.0	0.5	+ ePN			02.0	1.2	0.3				
+ eP			04.5	1.0	0.5	+ eP			02.0	1.5	1.0				

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Aug. 31	- ePE	19	31	06.9	0.8	1.0		Sept. 01	- eP	17	04	31.5	1.2	1.0	
	+ ePN			06.8	0.8	0.5			- ePE	18	26	51.3	0.8	0.5	
	+ eP			06.8	0.7	0.5			+ ePN			51.8	1.0	1.0	
	- ePE	21	53	20.8	0.9	0.5			+ eP			51.8	1.0	0.8	
	- ePN			20.8	0.8	0.3			+ ePE	19	50	16.0	1.0	0.2	
	- iP			20.8	0.8	1.0			- ePN			15.9	1.0	0.5	
	+ ePE	21	56	01.8	1.0	0.7			+ eP			16.0	1.0	1.0	
	+ ePN			01.9	1.0	1.0			- ePE	01	05	43.8	1.2	0.5	
	+ eP			01.8	0.9	0.5			- ePN			44.0	1.5	0.5	
									- eP			43.5	1.0	1.0	
Sept. 01	+ ePN	01	15	59.8	0.8	1.0		+ ePE	01	20	37.5	1.2	1.0		
	- eP			59.5	1.0	0.7		- ePN			37.3	1.2	0.5		
	- ePE	02	17	53.5	1.0	1.5		+ eP			37.3	1.5	0.8		
	- ePN			53.2	1.0	1.5		+ ePE	01	31	08.2	1.0	0.5		
	+ eP			53.5	1.0	1.2		+ eP			08.0	1.0	0.5		
	+ ePE	03	16	22.2	1.0	0.5		- ePE	03	12	27.2	1.0	0.8		
	+ ePN			22.3	1.0	1.5	+ ePN			27.2	1.0	0.2			
	+ eP			22.2	0.9	1.0		- iP			27.0	1.0	1.0		
	- ePE	05	29	49.0	0.8	0.3		- ePE	07	54	56.0	1.3	0.8	63	
	+ eP			49.3	1.2	2.5	- eP			55.8	1.2	0.8			
	- ePE	05	49	43.5	1.0	0.3	63	- ePE	13	26	04.2	1.0	0.8		
	+ eP			43.6	1.0	0.8	+ ePN			04.2	1.0	0.8			
	+ iPE	06	31	40.5	0.8	1.5		+ eP			04.0	1.3	1.5		
	- iPN			40.5	0.9	1.8	- ePE	17	27	11.2	1.0	0.2	61		
	+ iP			40.5	0.9	2.0		+ ePN			11.2	1.0	0.2		
	+ iPE	11	49	17.9	0.7	1.0		+ eP			11.2	0.8	1.0		
	+ ePN			18.0	0.8	0.5	+ ePE	19	58	45.8	1.1	1.0			
	+ iP			17.9	0.8	1.0		+ eP			45.6	1.0	1.0		
	+ ePE	15	38	19.0	2.0	0.5	61	- ePE	23	57	48.8	1.2	1.0	63	
	+ ePN			19.0	1.8	0.8	+ iP			48.6	1.2	2.2			
+ eP			18.9	2.0	2.0		- ePE	01	59	42.5	1.0	0.5			
- ePE	16	17	52.3	1.2	0.5	64	- ePN			42.7	1.0	0.2			
- ePN			52.3	1.8	0.5	- eP			43.2	1.0	0.3				
- eP			52.3	2.0	1.0	- ePE	04	55	08.0	1.2	1.0				
+ ePE	16	29	41.4	1.5	0.5	65	+ ePN			07.8	1.5	1.0			
+ eP			41.4	1.2	0.5	+ eP			08.2	1.0	0.5				
- ePE	17	04	31.5	1.5	0.6		- iPE	09	45	02.8	1.2	2.0	63		
- ePN			31.8	0.8	0.2	- iSE			37.5	2.2	2.5				
							- iPN			02.8	1.2	2.0			

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Sept. 03	+ iSN	09	55	37.0	2.5	1.0	66	Sept. 05	- eP	00	47	15.0	1.3	60	
	+ iP		45	02.8	1.1	5.5			+ ePE	01	18	47.5	1.2		0.5
	+ ePE	10	00	44.0	1.2	0.2			- ePN			48.2	1.4		1.0
	+ ePN			44.0	1.2	0.3			+ eP			48.8	1.0		1.0
	- eP			44.0	1.0	0.8			+ iPE	08	06	18.8	1.0		1.0
	+ ePE	12	23	04.0	1.0	0.2			+ ePN			19.2	1.0		1.5
	- ePN			04.0	1.0	0.2			- eP			19.2	1.0		1.5
	- eP			04.0	1.0	0.5			+ ePE	08	10	56.8	1.1		0.3
	+ ePE	13	35	05.3	1.0	0.2			- ePN			57.2	1.2		0.3
	+ ePN			05.3	1.0	0.5			- iP			56.8	1.0		0.5
	+ eP			05.8	1.2	1.0			+ iPE	08	21	48.8	1.2		1.0
	+ ePN	14	26	19.3	1.2	1.0			+ iP			48.7	1.6		5.0
	+ eP			19.5	1.2	0.8			+ ePE	09	10	01.5	1.0		0.2
	+ ePE	19	22	47.6	1.0	0.5			+ iPN			01.8	1.0		0.8
	+ iPN			47.5	1.0	1.5			+ iP			01.5	1.0		1.0
	+ iP			47.5	1.0	0.5			+ ePN	11	46	00.5	1.0		1.0
	+ ePE	21	23	09.0	1.0	0.1			+ ePN			00.6	1.2		1.0
	+ ePN			09.0	1.0	0.1			+ eP			00.2	1.0		1.0
- iP			09.0	1.0	0.5	+ ePE	11	51	18.2	1.2	0.5				
04	+ ePE	02	46	17.0	1.0	0.1	63	+ ePN			18.8	1.2	0.2	61	
	+ ePN			17.0	1.2	0.3		- eP			18.2	1.2	1.0		
	+ iP			18.0	1.0	0.5		+ iPE	17	20	56.5	1.1	1.5		
	+ ePE	08	40	33.5	0.8	1.0		+ iPN			56.0	1.1	0.5		
	+ ePN			33.2	1.2	0.5		- iP			56.0	1.1	1.5		
	- eP			33.2	0.8	1.0		- iPE	17	28	16.7	1.1	0.5		
	- ePE	15	18	15.6	1.2	0.5		- ePN			16.5	1.1	0.5		
	+ ePN			15.6	1.5	1.0		- iP			16.2	1.1	0.5		
	+ eP			15.2	1.2	1.0		+ ePE	03	05	55.0	0.8	0.8		
	- ePE	15	23	17.5	1.0	0.5		+ eP			54.9	0.8	0.5		
	+ iPN			17.5	1.0	1.0		+ ePE	04	21	52.8	0.8	0.5		
	+ iP			17.5	1.0	1.0		+ ePN			52.5	0.8	0.2		
	+ ePE	19	28	43.9	0.7	0.5		- iP			52.2	0.8	1.2		
	- ePN			43.9	0.8	0.2		- ePE	06	21	46.0	1.8	0.5		
	+ iP			43.9	0.8	2.5		+ eP			45.7	1.5	0.8		
	+ ePE	22	28	31.8	0.7	0.5		- ePN	10	28	40.5	1.0	0.8		
	- ePN			31.8	0.6	0.5		+ ePN			40.5	1.0	0.5		
	- eP			32.0	0.5	0.5		+ eP			40.5	1.0	0.5		
05	+ ePE	00	47	15.0	1.3	0.5	65	+ iPE	11	18	01.6	1.0	0.2	62	
	+ ePN			15.0	1.2	0.2		+ iPN			01.6	1.0	0.2		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Sept. 06	+ iP	11	18	01.6	1.0	1.0	64	Sept. 09	+ ePE	00	49	15.8	1.0	0.3	64
	- ePE	15	28	36.5	1.2	1.0			- ePN			15.2	0.8	0.2	
	+ ePN			36.8	1.2	0.8			+ iP			15.3	0.8	1.0	
	+ eP			37.0	1.2	1.0			+ ePE	05	48	55.8	1.0	1.0	
	+ ePE	16	17	36.0	1.2	0.5			- ePN			55.7	1.0	1.0	
	+ ePN			35.5	1.2	0.8			+ eP			55.7	1.0	0.8	
	+ eP			35.8	1.2	0.8			- ePE	12	05	11.2	1.0	0.5	
	+ ePE	17	47	43.0	1.0	0.5			+ ePN			11.2	1.0	0.5	
	+ ePN			43.0	1.0	0.5			- iP			11.0	1.0	0.5	
	- iP			43.0	1.0	1.0			+ ePE	17	42	29.2	0.8	0.5	
07	+ ePE	21	27	30.8	1.3	0.5	+ ePN			29.0	0.8	2.5	62		
	+ ePN			30.8	1.2	0.5	+ eP			29.0	0.8	2.5			
	+ eP			30.6	1.2	0.5	- iPE	03	29	39.0	1.0	1.0			
	+ ePE	11	05	34.8	1.0	0.5	- iPN			38.8	1.0	1.0			
	- ePN			34.8	1.2	0.3	+ iP			38.8	1.0	3.5			
	- eP			34.8	1.0	0.5	- ePE	05	52	17.8	1.2	0.8			
	+ ePE	11	57	33.8	1.0	0.5	+ ePN			18.0	1.5	0.5			
	- ePN			33.7	1.0	0.8	+ iP			18.0	1.2	1.0			
	+ eP			33.7	1.2	0.5	- ePE	09	46	41.2	1.0	0.2			
	+ ePE	17	12	40.0	0.9	1.2	- ePN			41.2	1.0	0.5			
08	- ePN			39.8	0.9	1.5	+ eP			41.3	1.0	0.5	64		
	+ eP			39.8	1.0	1.0	- ePE	12	40	38.0	1.0	0.5			
	+ ePE	18	52	49.8	1.2	0.3	+ ePN			38.2	1.0	0.5			
	- iP			49.8	1.0	1.0	+ eP			38.2	1.0	0.7			
	- ePE	01	39	53.0	1.0	1.2	+ ePE	17	52	08.2	0.9	0.8			
	- ePN			53.2	0.9	0.8	- ePN			08.0	0.9	0.5			
	+ eP			53.5	0.8	1.2	+ eP			08.2	0.9	0.5			
	+ ePE	01	45	51.9	1.2	0.5	+ ePE	19	51	46.3	1.0	1.0			
	- ePN			51.9	1.5	1.0	- iPN			46.3	1.0	0.3			
	+ eP			52.2	1.0	1.0	+ iP			46.2	1.0	2.5			
09	- iPE	14	38	49.7	1.1	0.5	- ePE	01	14	15.4	1.2	0.2	63		
	+ iPN			49.6	1.0	0.5	+ iPN			15.5	1.2	1.0			
	- iP			49.5	1.0	2.0	- iP			15.5	1.5	2.0			
	+ ePE	23	02	18.0	1.5	1.0	+ ePE	11	04	59.2	1.0	0.5			
	+ ePN			18.0	1.5	0.5	+ ePN			59.3	1.0	1.5			
	+ eP			17.9	1.0	0.5	- eP			59.3	1.0	1.5			
	+ ePE	00	23	47.8	1.4	1.0	- eSE	12	28	31.4	7.4	0.2			
	- ePN			47.5	1.4	0.5	+ eSN			31.4	9.2	0.3			
	+ eP			47.5	1.5	0.5	- eP			03.7	9.2	0.3			

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Sept. 11	- iPE	13	01	49.2	1.0	1.5		Sept. 14	+ ePN	15	28	41.0	0.8	0.2	
	- iPN			49.0	1.0	0.5			- iP			41.0	0.8	1.0	
	+ iP			49.0	1.0	1.2		- iPE	15	33	46.8	1.1	0.5	65	
	- ePE	17	16	37.0	0.9	0.3		+ ePN			46.8	1.0	0.8		
	- ePN			37.2	0.9	1.0		+ iP			46.8	1.1	0.5	64	
	+ eP			37.2	0.9	0.8		+ iPE	15	47	33.8	1.7	1.0		
12	+ ePE	02	46	10.2	1.2	0.5		- iPN			33.7	1.3	0.5		
	+ ePN			10.5	1.2	0.5		+ iP			33.7	1.2	2.0		
	+ eP			10.8	1.2	1.2		+ ePE	18	17	07.3	1.8	0.5	65	
	- ePE	04	34	46.2	1.2	0.3		- ePN			07.5	1.5	0.5		
	- ePN			46.2	1.0	0.5		+ iP			07.7	1.8	1.0		
	+ iP			46.2	1.0	1.2		- ePE	18	31	28.5	1.0	0.8		
	+ ePE	11	44	17.2	2.0	0.8		- ePN			28.5	1.0	0.3		
	- ePN			17.2	1.5	0.5		- eP			28.3	1.0	0.3		
	+ eP			17.2	1.0	0.5		- ePE	21	26	02.8	1.0	0.5		
	- ePE	12	07	42.5	1.0	0.5		- ePN			02.9	1.2	0.8		
	- ePN			42.5	1.0	0.5		+ eP			03.0	1.0	0.5		
	+ eP			42.5	0.9	2.0		+ ePE	02	09	29.2	1.0	0.8		
	- ePE	18	08	18.2	1.2	1.0		+ ePN			29.2	1.0	0.5		
	+ ePN			19.5	1.0	0.5		- eP			29.2	1.0	0.8		
	+ eP			19.3	1.0	0.5		- ePE	09	47	47.0	1.0	0.3	64	
	- ePE	18	49	22.0	1.5	1.0		- ePN			47.0	1.0	0.5		
	+ iP			22.0	1.5	1.5		+ iP			47.0	1.0	1.5		
	+ ePE	19	51	05.0	1.0	2.2		+ ePE	10	39	22.0	1.2	0.6		
	- ePN			05.0	1.0	0.5		+ ePN			22.0	1.7	0.3		
	+ eP			05.0	0.8	0.8		+ eP			22.0	1.2	0.7		
13	- ePE	01	05	19.9	1.0	1.0		- ePE	11	08	48.5	1.5	0.2	66	
	+ ePN			19.9	0.8	1.0		+ ePN			48.5	1.2	0.2		
	+ eP			19.8	0.8	0.5		- eP			48.7	1.2	0.5		
	- ePE	02	11	27.2	1.0	0.5		+ ePE	12	53	15.5	1.0	0.5		
	- iPN			27.2	1.0	1.2		- ePN			15.8	1.0	0.5		
	- iP			27.2	1.0	1.0		- eP			16.0	1.0	0.5		
	+ iPE	03	54	27.5	1.5	2.0		+ ePE	14	07	54.0	0.6	0.5		
	+ iPN			27.5	1.5	1.0		+ ePN			54.2	1.0	0.8		
	+ iP			27.3	1.5	1.0		- eP			54.5	1.0	1.0		
	+ ePE	07	09	42.2	0.8	0.2		+ ePE	15	01	16.2	1.0	0.8		
	+ ePN			42.5	0.9	0.5		- ePN			16.2	1.0	0.2		
	+ eP			42.3	1.0	0.7		- eP			16.0	1.0	0.2		
14	- ePE	15	28	41.0	0.8	0.2	65	+ ePE	17	07	42.8	1.5	0.5		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Sept. 15	+ iSE	17	09	23.5	1.8	3.0	66	Sept. 17	+ eP	07	10	33.5	1.2	0.5	64
	+ ePN		07	43.0	1.3	0.5			+ ePE	07	54	42.0	1.0	1.0	
	+ eSN		09	24.0	1.8	0.5			- eP			42.1	1.0	1.0	
	+ eP		07	43.0	1.2	0.8			- iPE	08	09	22.0	1.0	0.5	
	- iPE	20	54	50.1	1.4	0.5			- ePN			22.2	1.0	0.5	
	- iPN			50.2	1.0	0.5			- iP			22.2	0.9	1.0	
	- iP			50.1	1.2	2.5			+ ePE	08	38	38.8	0.8	0.5	
	- ePE	00	47	21.0	1.3	0.5			- eP			39.0	0.8	0.5	
	- iPN			21.0	1.2	0.5			+ ePE	11	38	26.2	0.8	0.5	
	+ iP			21.0	1.2	1.5			+ ePN			26.2	0.8	0.8	
16	- ePE	01	53	04.0	1.2	1.0	64	+ iP			26.1	0.8	0.8	66	
	+ ePN			03.9	1.2	1.5		- ePE	13	18	19.0	1.5	1.0		
	+ eP			04.1	1.2	2.0		+ ePN			19.0	1.3	0.5		
	+ ePE	02	03	44.2	2.0	0.5		+ eP			19.2	1.5	0.5		
	+ ePN			44.5	2.0	0.5		- ePE	19	38	12.3	1.2	2.5		
	+ eP			44.2	2.0	1.0		- ePN			12.1	1.2	0.5		
	+ ePE	04	12	43.3	1.0	0.5		- eP			12.2	1.0	0.5		
	- eP			43.5	0.8	1.5		- iPE	23	25	42.5	1.3	4.5		
	+ ePE	08	00	08.8	0.8	0.5		+ iPN			42.5	1.2	2.5		
	- ePN			09.0	1.0	0.5		- iP			42.5	1.1	9.5		
17	- eP			08.8	0.8	0.5	65	+ ePE	07	56	41.8	1.1	0.2	66	
	- ePE	10	43	05.5	0.8	0.2		- ePN			41.8	1.0	0.2		
	- ePN			05.5	1.0	1.0		+ iP			41.8	1.1	1.0		
	+ eP			05.6	1.0	0.5		- ePE	08	49	22.3	0.8	0.5		
	+ ePE	12	46	37.5	0.8	0.2		+ ePN			22.3	0.8	0.2		
	- ePN			37.3	0.8	0.5		+ eP			22.0	1.0	0.5		
	+ eP			37.5	1.0	0.5		- ePE	09	19	12.7	0.8	0.5		
	- iPE	21	32	39.9	0.5	1.0		- ePN			12.5	0.8	0.5		
	+ iPN			40.0	0.8	1.0		- eP			12.5	0.8	0.5		
	+ iP			40.1	0.6	1.5		- iPE	17	38	46.8	1.5	2.5		
17	- ePE	22	35	49.0	1.0	0.5	66	+ iPN			46.7	1.3	1.5	65	
	+ ePN			49.8	0.8	0.5		- iP			46.8	1.3	6.0		
	- eP			49.0	0.8	0.2		+ iPE	19	45	31.2	1.3	5.0		
	+ ePE	23	43	39.8	1.0	0.5		+ iSE		50	32.8	2.0	3.0		
	+ ePN			39.0	1.0	0.8		- iPN		45	31.2	1.5	1.0		
	+ eP			40.2	1.0	1.0		+ iSN		50	32.8	2.3	1.5		
	+ ePN	04	56	04.8	1.8	0.5		+ iP		45	31.2	1.7	6.5		
	+ eP			04.5	1.8	1.0		+ iX		51	51.1	2.0	1.5		
	- ePE	07	10	33.6	1.2	0.2		- ePE	20	36	39.5	1.0	0.5		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Sept. 18	+ eP	20	36	39.5	1.0	1.0	65	Sept. 21	- iP	01	23	31.5	1.0	1.0	71
	+ ePE	22	59	47.0	1.0	0.2			- ePE	11	21	29.0	0.8	0.5	
	+ ePN			47.5	1.0	0.2			- eP			29.1	0.6	0.5	
19	+ eP			47.0	1.0	0.5	67	- iP	13	47	20.8	1.0	0.5	67	
	- ePE	23	04	49.5	1.2	1.0		- ePN			20.8	1.0	1.0		
	+ ePN			49.5	1.2	0.8		+ iP			21.0	0.9	1.0		
	+ eP			49.3	1.0	0.5		+ ePE	15	51	13.8	1.5	0.5		
	- ePE	03	59	47.5	1.3	0.5		+ ePN			13.8	1.5	0.8		
	+ ePN			46.5	1.3	1.0		- eP			13.8	0.8	1.0		
	+ iP			46.5	1.3	1.5		+ ePE	18	07	19.3	1.2	0.5		
	+ iPE	06	48	13.5	1.8	1.5		- ePN			19.3	0.9	0.3		
	- iP			13.2	1.5	1.0		- eP			19.5	1.0	0.5		
	+ iP			13.5	1.8	3.0		+ ePE	00	21	38.5	0.8	0.3		
	- ePE	10	14	43.8	0.8	0.5		- ePN			38.7	0.8	0.3		
	+ ePN			43.5	0.8	0.3		+ eP			38.7	0.8	0.5		
	+ eP			43.8	0.8	0.2		- ePE	01	01	55.0	1.0	0.5		
	+ ePE	12	56	13.3	1.3	0.8		- ePN			55.0	1.0	0.5		
	+ ePN			13.5	1.0	0.5		+ eP			55.1	0.9	1.0		
+ eP			13.5	1.0	1.0	+ ePE	01	15	48.2	0.8	0.5				
+ ePE	15	33	27.0	1.0	1.2	+ ePN			48.0	0.8	0.5				
- iP			27.0	1.0	1.2	- eP			48.2	0.8	0.5				
+ iP			27.0	1.0	1.5	- ePE	12	01	16.0	0.8	0.5				
- ePE	18	34	16.6	1.2	0.5	+ eP			15.9	0.8	0.5				
- iP			16.6	1.2	0.5	- ePE	14	28	51.0	1.1	0.5				
- iPE	23	50	38.5	1.2	0.5	+ ePN			51.0	1.0	0.5				
- iP			38.5	1.1	0.5	- eP			51.0	1.0	0.5				
+ iP			38.5	1.1	1.0	- ePE	16	21	02.0	1.0	0.1				
+ ePE	01	27	26.8	1.6	0.5	+ ePN			01.9	1.0	0.5				
+ eP			26.5	1.3	0.5	- eP			01.9	1.0	0.5				
- ePE	07	03	14.9	1.2	0.5	- ePE	17	42	04.2	1.0	0.5				
- ePN			15.0	1.2	0.5	+ eP			04.2	1.0	0.5				
- eP			14.9	1.0	0.5	+ ePE	01	44	38.2	1.0	0.5				
+ ePE	11	45	26.2	0.8	0.3	+ ePN			38.2	0.8	1.0				
- eP			26.2	1.0	0.5	+ eP			38.4	1.0	1.0				
- ePE	18	25	09.9	1.1	1.0	+ ePE	06	25	38.0	1.0	0.3				
+ ePN			09.6	1.2	1.0	+ ePN			38.2	1.1	0.5				
+ eP			09.9	1.2	2.0	+ iP			38.0	1.0	0.5				
+ ePE	01	23	31.5	1.2	0.5	+ iPE	12	18	02.7	1.5	3.0				
+ ePN			31.5	1.0	0.5	+ iP			02.8	1.5	1.5				

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Sept. 23	- iP	12	18	02.7	1.5	7.5	71	Sept. 25	- eP	17	50	51.9	1.0	1.0	67
	- ePE	13	04	29.0	0.8	0.3		+ ePE	18	46	23.1	1.0	0.5		
	- ePN			29.0	1.0	0.5		- ePN			23.1	0.8	0.2		
	- eP			29.2	1.0	0.5		+ eP			23.1	0.8	0.8		
	- ePE	13	12	31.2	1.0	0.5		+ ePE	22	05	47.3	1.3	0.5		
	+ ePN			31.2	1.0	1.5		+ ePN			47.3	1.3	0.5		
	+ eP			31.0	1.0	0.5		- eP			46.9	1.5	0.5		
	+ ePE	13	43	33.2	1.2	0.3		+ ePE	23	32	51.9	1.0	0.5		
	+ ePN			33.0	2.0	0.3		- ePN			51.9	1.0	0.5		
	- eP			33.0	1.5	0.8		- iP			51.8	1.0	0.7		
	- ePE	14	08	26.5	1.0	0.5		- ePE	05	54	47.3	1.0	0.5		
	- eP			26.5	1.0	1.0		- ePN			47.6	1.0	1.5		
	+ ePE	15	54	03.0	1.0	0.2		+ eP			47.6	1.0	1.2		
	+ ePN			03.0	1.5	0.2		LP - eSE	12	27	26.0	13.8	0.2		
	- eP			02.9	1.5	0.3		- eSN			27	26.0	13.8	0.5	
	+ ePE	17	42	12.8	1.0	0.2		- eP			16	42.6	7.4	0.3	
	+ ePN			12.8	1.0	1.0		- iX			22	03.8	9.2	1.0	
	- eP			13.3	1.0	0.5		+ ePE	17	16	34.9	0.8	0.5		
	+ ePE	17	57	21.2	1.0	0.5		- ePN			34.3	1.0	1.0		
	- ePN			21.2	0.8	0.5		+ eP			34.9	0.8	0.5		
	+ eP			21.0	1.0	0.8		+ ePE	18	43	48.0	1.0	0.5		
	- ePE	22	13	40.0	1.0	1.0		- eP			48.0	1.0	0.5		
	+ ePN			40.0	1.0	0.5		+ ePE	19	43	28.1	1.0	1.0		
- eP			40.0	1.0	0.5	+ ePN			27.8	1.0	0.8				
- ePE	23	25	04.8	1.6	0.5	+ eP			27.9	0.8	1.8				
+ ePN			05.5	1.8	0.5	- ePE	22	04	35.7	1.0	1.2				
+ iP			04.8	1.8	1.2	- eP			35.6	1.0	1.2				
24	+ ePE	06	42	42.5	1.2	0.5	66	27	- ePE	02	15	27.2	1.0	0.5	
	- eP			42.5	1.0	1.0			+ ePN			27.1	1.0	1.0	
	+ ePE	17	04	27.5	1.5	1.5			+ eP			27.2	1.0	1.0	
	+ eP			27.0	1.7	1.0			+ ePE	04	26	28.3	1.0	0.8	
25	+ ePE	01	52	14.2	0.8	0.3			+ ePN			28.1	0.8	0.3	
	+ ePN			14.2	1.0	1.0			+ eP			28.2	0.8	1.2	
	- eP			14.3	1.0	0.8			- ePE	18	42	35.4	1.0	1.0	
	+ ePE	04	29	49.3	1.2	0.5			+ ePN			35.4	1.0	0.5	
	- ePN			49.5	1.5	0.5			- eP			35.4	1.2	1.0	
	- eP			49.3	1.2	0.3			+ ePE	22	07	06.5	0.6	0.8	
	+ ePE	17	50	51.9	1.0	1.2			+ ePN			06.7	0.8	1.0	
	- ePN			51.9	1.0	0.5			+ eP			06.7	0.8	0.8	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Sept. 27	+ ePE	23	55	28.2	0.8	0.3		Sept. 29	+ eSE	06	26	41.8	2.3	1.0	
	+ ePN			28.2	0.8	0.5			+ ePN		16	16.8	1.3	0.5	
	+ eP			28.2	0.8	1.0			- iSN		26	43.2	2.3	2.0	
28	- ePE	05	04	10.2	0.9	0.5			- iP		16	16.7	1.3	2.0	
	- ePN			10.1	0.9	1.0			- eS		26	43.1	2.3	1.5	
	+ eP			10.2	0.9	1.0			+ ePE	20	50	59.1	1.2	2.0	
	+ iPE	05	11	51.5	1.0	1.0			+ eP			58.9	1.2	1.0	
	+ ePN			51.6	1.0	1.5			+ ePE	22	08	15.8	1.3	0.5	
	+ iP			51.3	1.0	1.0			+ ePN			17.5	1.0	0.8	
	+ iX		12	13.0	1.0	4.0			+ eP			17.5	1.0	0.8	
	+ iPE	07	07	17.0	1.5	5.0	65	30	- ePE	04	09	15.8	1.5	0.7	
	- iSE		12	16.7	2.0	3.0			+ ePN			16.2	2.0	0.5	
	- ePN		07	17.0	1.2	1.0			- eP			16.0	1.8	0.5	
	+ iSN		12	16.8	1.8	3.5			+ ePE	06	53	10.0	0.6	0.5	
	+ iP		07	17.0	1.5	6.0			+ ePN			10.6	0.8	0.5	
	- iS		12	16.5	1.8	4.0			- iP			10.6	0.8	0.5	
	+ ePE	07	13	40.2	1.2	1.8			+ ePE	07	20	41.8	1.1	0.5	68
	+ eSE		17	36.2	1.2	1.0			+ ePN			41.3	1.0	0.5	
	+ ePN		13	40.4	1.0	1.0			- eP			41.3	1.0	1.0	
	+ iSN		17	36.2	1.2	2.5			- ePE	09	09	34.0	1.2	1.0	
	+ iP		13	40.2	1.2	2.5			- ePN			33.8	1.0	0.5	
	+ ePE	07	25	12.4	0.8	0.2			+ eP			33.8	1.0	0.5	
	+ eP			12.4	0.8	0.5			- ePE	10	19	34.8	1.6	0.5	70
	- ePE	07	31	39.4	1.5	0.5			- iPN			34.9	1.8	0.5	
	+ ePN			39.7	1.2	0.5			+ iP			34.8	1.8	1.0	
	- eP			39.7	1.2	0.5			+ ePE	17	04	41.5	1.0	0.7	
	+ ePE	09	02	41.4	0.8	0.5			- ePN			41.5	1.0	0.2	
	- ePN			41.7	1.0	0.2			+ eP			42.0	1.0	0.5	
	- eP			41.7	1.0	0.2			+ ePE	20	23	28.7	1.0	0.2	
	- ePE	10	57	02.2	1.2	0.2	69		+ ePN			28.5	1.0	1.2	
	+ ePN			02.4	1.0	0.2			+ eP			28.7	1.0	0.3	
	+ eP			02.4	1.0	0.5			+ ePE	21	03	42.8	1.0	0.2	66
	+ iPE	17	41	42.8	1.3	1.0			- eP			42.8	1.0	0.5	
	- ePN			43.2	1.0	0.5			+ ePE	21	53	10.2	1.0	0.5	
	- iP			42.8	1.2	2.0			+ ePN			10.2	1.0	0.5	
29	- ePE	01	35	11.9	1.1	1.0			+ eP			10.5	1.0	0.5	
	+ ePN			11.8	1.2	1.0			+ ePE	22	50	38.7	1.5	1.0	
	+ eP			12.0	1.1	1.5			- ePN			38.5	1.0	0.5	
	+ ePE	06	16	17.0	1.3	0.5	70		+ eP			38.5	1.0	0.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.		
		h	m	s						h	m	s					
Oct. 01	- ePE	08	37	08.5	1.2	0.8		Oct. 02	+ ePN	19	45	12.3	1.6	1.5			
	+ ePN			08.0	1.0	0.8			- eP			12.2	1.5	2.5			
	- eP			08.5	0.8	0.5			03	+ ePE	00	36	15.8	1.8		1.0	67
	+ ePE	09	26	32.8	1.0	1.0			+ eP			15.8	1.0	0.5			
	+ ePN			32.8	1.0	0.5			- iPE	05	31	26.3	1.2	1.0			
	+ eP			32.5	1.0	0.5			+ iP			26.5	1.5	1.5			
	+ ePE	16	37	48.6	1.0	0.2			- ePE	10	47	15.5	1.2	0.3		67	
	+ iPN			48.5	1.0	0.5			- ePN			15.8	1.0	0.2			
	+ iP			48.3	0.7	1.0			+ eP			15.5	1.0	0.5			
	+ ePE	16	52	32.5	1.0	1.0			+ ePE	18	15	37.5	0.8	0.2			
	+ ePN			32.2	1.0	1.0			- ePN			37.5	1.0	0.6			
	- eP			32.2	1.2	1.0			+ eP			37.5	1.0	1.5			
	- ePE	22	02	04.0	1.0	0.8			+ ePE	19	01	06.5	0.9	0.3			
	+ ePN			03.9	1.0	1.0			- ePN			06.5	0.9	0.3			
	+ eP			04.0	1.0	1.5			+ eP			06.5	1.0	1.0			
	+ iPE	02	26	34.4	1.2	1.5		67	+ ePE	22	39	12.2	0.8	0.5			
	+ iPN			34.8	1.1	1.0			- ePN			12.0	1.0	0.3			
	+ iP			34.4	1.3	2.5			+ eP			12.0	1.0	1.0			
	- ePE	05	54	10.0	1.0	0.3		68	04	- ePE	07	49	00.2	1.0		0.2	
	+ eP			09.5	1.5	0.5			+ ePN			00.2	1.0	1.0			
+ ePE	06	28	38.3	1.5	1.0	67	+ eP			00.2	1.0	0.5					
+ ePN			38.5	1.0	0.5		- ePE	13	33	32.1	1.2	1.2					
- iP			38.3	1.2	2.0		- ePN			31.7	1.2	1.0					
+ ePE	08	30	14.8	1.2	0.5	69	- eP			31.7	1.2	1.0					
+ ePN			14.8	1.2	0.3		- iPE	17	09	14.1	1.0	0.9	67				
- eP			14.8	1.2	0.8		- ePN			14.2	1.0	0.2					
+ ePE	09	31	10.2	1.5	1.2		+ iP			14.1	1.0	1.5					
+ ePN			10.2	1.0	0.5		+ ePE	20	14	26.7	1.0	0.3					
+ eP			10.0	1.2	0.2		+ ePN			26.7	1.0	1.0					
+ ePE	09	52	15.8	1.4	2.0	68	+ eP			26.7	1.0	0.2					
+ ePN			15.8	1.5	2.0		+ ePE	20	25	07.7	1.0	0.5					
+ iP			15.1	2.0	1.5		- ePN			07.4	1.0	0.5					
- ePE	10	33	45.5	1.0	0.5		+ eP			07.4	1.0	0.5					
+ ePN			45.5	0.9	0.3		05	- ePE	10	45	39.9	1.0	0.5				
+ eP			46.0	0.9	0.7		+ ePN			39.9	1.0	0.3					
- ePE	17	33	16.0	0.7	0.5		+ eP			40.1	1.0	0.5					
+ ePN			16.4	0.8	1.2		- ePE	10	52	38.4	1.0	1.0					
+ eP			16.3	0.8	1.0		- ePN			38.6	1.0	1.0					
+ ePE	19	45	12.5	1.4	1.0	67	+ eP			38.7	0.9	1.0					

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	
		h	m	s						h	m	s				
Oct. 05	+ ePE	11	55	22.8	1.2	0.5	69	Oct. 07	+ iP	16	21	01.2	1.0	2.0		
	- ePN			22.9	1.0	0.5			+ ePE	17	20	36.8	1.0	0.3		
	- iP			22.9	1.0	1.5			+ ePN			37.0	0.8	0.8		
	- ePE	16	02	26.7	1.0	0.2	69		+ eP			36.8	0.9	1.2		
	+ iP			26.4	0.9	0.8			- ePE	21	56	34.9	0.8	1.0		
	+ ePE	19	54	13.7	1.2	0.3			+ ePN			34.9	0.9	1.8		
	+ ePN			13.8	1.2	0.5	68		- eP			35.0	0.9	1.0		
	- eP			13.8	1.2	1.2			+ ePE	03	10	59.5	1.0	0.5		
	+ ePE	22	04	37.4	1.2	0.5			- eP			59.5	1.0	1.0		
	+ ePN			37.2	1.1	0.5	69		+ ePE	04	01	03.0	1.2	0.2		71
	- eP			37.4	1.1	1.0			+ ePN			03.0	1.0	0.5		
	- ePE	22	22	49.7	1.2	0.6			- eP			03.0	1.8	1.0		
	- ePN			50.0	1.2	0.3	68		+ iPE	05	08	51.0	0.6	0.5		
	- eP			49.9	1.0	0.2			- ePN			51.0	1.0	0.2		
	- ePE	22	29	29.7	1.1	0.2			+ iP			51.0	0.5	1.0		
- ePN			29.8	1.0	0.5	69	- iPE	05	13	03.6	1.2	1.0				
+ eP			29.8	1.0	1.2		+ iPN			04.0	1.2	0.5				
+ ePE	04	35	39.4	1.2	1.0		+ iP			03.7	1.0	3.0				
+ ePN			39.4	1.2	0.2	69	- ePE	05	19	53.0	1.0	0.5				
+ iP			39.2	1.0	1.0		+ ePN			52.8	1.2	1.0				
- ePE	07	35	42.2	0.8	0.5		+ eP			53.0	1.3	1.5				
+ ePN			42.4	0.8	1.0	69	+ ePE	07	10	47.0	1.0	0.5				
+ iP			42.7	0.8	1.5		+ ePN			47.0	1.0	0.5				
+ ePE	08	02	40.9	1.2	0.3		- iP			47.0	0.9	1.0				
- eP			40.9	1.0	0.5	69	+ ePE	10	34	09.2	1.0	0.3				
+ ePE	16	06	05.6	1.2	0.2		- ePN			09.0	0.9	0.5				
- ePN			05.0	1.2	0.3		+ eP			11.0	0.9	1.2				
+ eP			04.8	1.0	1.0	69	+ iPE	10	50	40.3	1.0	0.5				
+ ePE	18	15	20.8	1.0	0.3		+ iPN			40.2	1.0	1.0				
+ ePN			20.8	1.0	0.5		- iP			40.3	1.0	1.5				
- iP			20.8	1.0	1.0	69	+ ePE	11	19	39.0	1.2	0.3				
- ePE	08	04	08.0	1.0	0.5		+ iPN			39.0	1.2	1.0				
- ePN			08.3	1.0	0.5		- iP			39.1	1.2	1.0				
+ eP			08.3	1.0	0.5	71	+ iPE	12	17	49.3	0.8	0.5				
- ePE	14	54	38.0	1.0	0.2		- ePN			49.2	0.7	0.2				
- ePN			38.5	1.0	0.3		+ iP			49.3	0.8	1.2				
+ iP			38.0	1.0	1.0	71	+ ePE	13	02	52.5	1.0	1.5				
+ ePE	16	21	01.5	1.1	0.3		- ePN			52.5	1.2	0.5				
+ ePN			01.5	1.0	0.5		+ eP			53.0	2.0	0.5				

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Oct. 08	+ ePE	19	10	41.2	1.5	0.8		Oct. 10	- iPN	22	11	25.0	1.2	2.5	
	- eP			41.2	1.5	0.5			+ eSN		21	05.2	1.9	1.0	
09	- ePE	23	55	30.5	1.0	0.5		+ iP		11	25.0	1.5	7.0		
	+ eP			30.2	1.0	0.5		+ eS		21	05.5	2.0	1.0		
	+ ePE	02	13	54.0	1.0	0.5		- iPE	01	06	34.1	0.9	1.0		69
	- eP			54.0	1.0	0.5		- iPN			34.1	0.8	1.5		
	+ ePE	04	27	52.9	1.2	1.2		+ iP			34.1	0.9	3.5		70
	+ ePN			53.0	1.2	0.8		- ePE	01	14	38.5	1.1	1.0		
	+ eP			52.5	1.2	1.0		- ePN			38.6	1.1	0.5		72
	- ePE	06	55	22.5	1.0	1.5		+ iP			38.7	1.2	1.0		
	- ePN			22.0	1.0	1.0		+ ePE	02	04	15.0	1.0	0.3		70
	- eP			22.2	1.0	1.0		+ ePN			15.0	1.0	0.5		
+ ePE	19	10	58.2	1.0	0.5	- iP			15.0	1.0	1.0	72			
- ePN			58.0	1.0	0.2	- iPE	03	28	30.2	1.8	1.3				
- eP			58.3	1.0	1.0	- iSE		38	13.8	5.0	9.5	70			
+ ePN	21	44	41.2	1.0	0.7	- ePN		28	30.2	1.8	1.0				
+ eP			41.5	1.0	0.5	+ iSN		38	13.0	6.0	10.0	72			
- ePE	21	53	35.8	1.0	0.7	+ iP		28	30.3	1.8	3.5				
- ePN			35.8	0.8	1.0	+ iS		38	12.9	3.6	3.0	70			
- eP			35.8	0.8	0.5	+ ePE	03	54	44.8	1.2	0.5				
+ ePE	09	04	26.5	1.0	0.2	+ ePN			44.8	1.2	0.5	69			
+ eSE		13	49.2	2.2	4.2	- eP			44.8	1.0	0.8				
+ iPN		04	27.5	0.8	0.7	+ ePE	04	02	21.0	1.0	0.8	72			
+ iSN		13	49.1	2.1	3.5	+ ePN			21.0	1.0	1.0				
- iP		04	26.5	1.0	1.0	- iP			21.0	1.0	1.2	70			
+ iX		04	42.1	1.1	8.2	+ ePE	04	35	47.0	1.2	0.3				
- eS		13	48.5	2.2	1.0	+ ePN			47.0	1.2	0.5	72			
- ePE	14	06	16.2	0.7	0.5	+ iP			46.8	1.0	0.8				
+ eP			16.3	0.8	1.0	+ iPE	04	59	51.1	1.1	1.0	71			
+ ePE	18	02	08.3	1.0	1.0	- ePN			51.1	1.0	0.5				
+ eP			08.1	1.0	1.0	+ iP			51.2	1.0	1.0	70			
- ePE	18	45	52.6	0.8	0.5	+ ePE	05	24	58.5	1.5	0.5				
+ ePN			52.5	1.0	0.6	+ eP			58.5	1.5	1.0	71			
+ eP			52.5	1.0	0.8	- ePE	05	36	47.1	1.0	1.0				
- iPE	21	17	50.2	1.0	0.8	+ ePN			47.0	1.0	1.0	69			
+ iPN			50.2	0.8	0.5	+ eP			47.1	1.2	1.5				
- iP			50.2	0.8	2.0	+ ePE	05	45	40.0	1.2	0.2	68			
- iPE	22	11	25.0	1.2	2.0	- ePN			39.8	1.0	0.2				
+ eSE		21	05.0	2.5	2.0	- eP			39.8	1.0	0.8				

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Oct. 11	+ ePE	05	49	46.5	1.5	0.5	70	Oct. 11	- iP	20	37	54.0	1.0	1.2	70
	- eSE		59	28.0	2.3	3.0		+ ePE	21	10	51.5	1.0	0.2		
	+ ePN		49	46.5	1.8	0.5		+ ePN			51.5	1.0	0.3		
	+ eSN		59	28.0	2.2	2.0		- eP			51.5	1.0	0.6		
	- iP		49	46.6	1.4	1.0		+ ePE	22	40	05.8	1.3	0.5		
	+ eS		59	28.0	2.2	1.0		- ePN			05.9	1.2	1.0		
	+ ePN	06	21	55.8	1.0	0.5		- iP			05.5	1.3	1.0		
	- eP			55.8	1.0	0.5		+ ePE	23	34	48.0	1.2	1.0		
	+ ePE	06	26	09.6	1.2	0.5		+ ePN			48.8	1.0	0.3		
	+ ePN			09.6	1.0	1.0		+ eP			48.5	1.2	0.3		
	+ iP			09.3	1.0	0.5		+ ePE	00	02	43.0	1.0	1.5		
	+ ePE	06	49	26.2	1.2	0.2		- ePN			43.8	1.0	1.0		
	- ePN			26.6	1.0	0.2		- eP			43.3	1.0	0.8		
	- eP			26.3	1.0	0.5		+ ePE	00	16	04.3	1.2	0.5		
	+ ePE	06	56	48.0	1.3	0.5		+ ePN			04.3	1.0	0.2		
	- ePN			47.5	1.2	0.5	+ eP			04.3	1.0	0.5			
	+ iP			47.5	1.2	1.0	+ iPE	07	11	39.3	1.1	1.1			
	+ ePE	09	49	35.5	1.2	0.2	+ iPN			39.3	1.3	1.8			
	+ ePN			35.5	1.2	0.2	- iP			39.3	1.2	3.5			
	- iP			35.5	1.2	0.5	- ePE	07	19	33.8	1.2	0.5			
	- ePE	11	24	17.0	1.0	0.5	- iPN			33.8	1.1	0.5			
	+ eP			17.0	1.2	1.5	+ iP			33.7	1.1	1.0			
	+ ePE	11	38	20.8	1.0	0.5	+ iPE	07	22	17.0	1.2	1.5			
	+ ePN			20.8	1.2	0.5	- ePN			16.5	1.1	0.5			
	+ iP			21.0	1.5	1.5	+ iP			16.6	1.2	1.0			
	- ePE	15	36	04.9	1.0	0.5	+ iPE	07	24	02.0	1.1	1.0			
	+ ePN			04.9	1.0	0.5	+ iPN			02.0	1.1	1.7			
	+ eP			04.9	1.0	0.5	- iP			02.0	1.2	2.5			
	- ePE	16	57	34.8	1.2	1.0	- ePE	09	54	09.5	1.9	0.5			
	+ ePN			34.8	1.0	0.3	+ iP			09.6	1.6	3.5			
+ eP			35.2	1.2	1.0	+ ePE	10	19	31.2	1.0	0.5				
+ ePE	18	31	21.0	1.0	0.5	+ ePN			31.3	1.0	1.0				
- ePN			21.0	1.0	0.5	- eP			31.2	1.0	0.8				
- eP			21.0	1.0	0.5	- ePE	11	26	17.5	1.3	0.5				
- iPE	19	37	50.0	1.2	1.0	- eP			17.5	1.2	0.7				
- ePN			49.9	1.0	0.5	- ePE	12	30	20.5	1.0	0.3				
+ iP			50.0	1.2	1.0	+ eP			20.5	1.5	0.5				
+ ePE	20	37	54.1	1.5	0.5	+ ePE	15	09	47.0	0.8	0.6				
+ ePN			54.0	1.0	0.2	- ePN			47.5	1.0	0.5				

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Oct. 15	- ePE	07	01	09.8	1.0	3.5	72	Oct. 17	- eP	08	30	36.2	1.0	0.5	72
	+ ePN			09.8	0.8	1.5		- ePE	09	05	36.0	0.9	1.0		
	+ iP			09.9	0.8	1.5		- ePN			36.2	1.0	1.0		
	+ ePE	08	34	24.8	1.0	0.3		+ eP			36.2	0.9	1.0		
	- ePN			24.8	1.0	0.3		+ ePE	13	38	02.5	1.0	1.5		
	+ eP			24.8	0.8	0.3		+ ePN			02.5	1.2	1.0		
	- ePE	11	58	27.0	0.8	1.0		- eP			02.5	1.2	1.0		
	- ePN			27.0	0.8	1.2		- ePE	16	25	03.0	1.0	0.5		
	+ eP			27.0	1.0	0.8		- ePN			03.0	1.0	0.5		
	- ePE	12	25	18.8	1.2	0.3		+ eP			03.2	1.0	0.3		
	- ePN			18.8	1.2	0.5		- iPE	01	18	35.5	1.0	1.0		
	+ iP			18.8	1.2	1.8		+ iPN			35.3	1.0	0.8		
	- ePE	14	57	25.2	0.8	0.5		- iP			35.3	0.9	1.2		
	- ePN			25.2	0.8	1.0		- ePN	01	37	35.5	1.0	0.2		
	+ eP			25.2	0.8	0.8		+ iP			35.5	1.0	0.8		
	- ePE	16	46	41.5	1.0	1.0		- ePE	05	36	15.0	0.8	0.5		
	- eP			41.3	1.2	0.5		+ ePN			15.0	1.0	1.0		
	+ ePE	01	07	33.3	1.0	0.3		- eP			15.0	1.0	0.5		
	- ePN			33.5	1.2	0.8		- ePE	06	23	02.9	1.0	0.5		
	- eP			33.5	1.0	0.3		+ ePN			03.0	1.0	0.2		
+ ePE	01	48	21.0	1.2	0.5	+ iP			02.9	0.9	3.5				
- ePN			21.0	1.0	0.5	+ ePE	08	07	16.5	1.2	0.2				
- eP			21.0	1.0	1.5	+ ePN			16.5	1.2	0.5				
- iPE	05	45	20.5	1.6	1.5	- eP			16.5	1.0	0.8				
+ ePN			21.0	1.5	0.2	+ ePE	08	45	21.8	1.0	0.3				
- iP			19.6	1.8	3.0	+ ePN			21.8	1.0	0.2				
+ ePE	08	49	26.8	1.0	1.0	- eP			22.5	1.0	0.2				
+ eP			26.8	1.2	0.5	- ePE	09	32	37.2	1.2	1.2				
+ ePE	10	30	56.5	1.2	0.3	- iPN			37.2	1.2	2.0				
+ ePN			56.3	1.2	0.3	- iP			36.8	1.2	1.7				
- eP			56.3	1.2	0.5	+ ePE	16	26	37.8	1.2	0.3				
+ ePE	14	43	37.2	0.8	0.2	+ ePN			37.8	1.2	0.5				
- ePN			37.2	0.8	0.2	- iP			27.8	1.2	1.0				
+ eP			37.0	0.8	0.2	- ePE	17	35	18.5	1.5	0.8				
- ePE	06	31	31.5	1.8	0.2	- ePN			18.2	1.0	0.3				
- ePN			31.5	2.5	0.5	+ eP			18.3	1.5	0.5				
+ eP			31.5	0.8	0.5	+ iP	18	40	01.7	1.0	1.0				
+ ePE	08	30	36.2	0.8	0.8	+iPCPE			03.5	1.1	2.5				
+ ePN			36.5	0.8	0.5	+ iPN			01.7	0.8	1.5				

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Oct. 18	+iPCPN	18	40	03.5	0.9	5.0	73	Oct. 21	+ iPN	08	03	30.0	0.9	0.8	73
	+ iP			01.2	0.8	1.0			- iP			30.0	0.8	1.5	
	-iPCP			03.3	0.9	13.0			+ ePE	08	33	45.5	1.2	0.3	
	- iPE	20	45	22.9	1.2	1.0			+ iPN			45.5	1.8	1.5	
	- ePN			22.7	1.0	0.3			- iP			45.0	1.6	1.0	
	+ iP			22.7	1.0	3.0			+ ePE	11	44	15.0	0.9	0.2	
	+ iPE	21	33	15.8	1.0	1.2			+ ePN			15.0	0.8	0.5	
	+ ePN			15.6	0.7	0.5			+ eP			15.2	0.8	0.5	
	+ iP			15.6	0.7	1.5			+ ePE	15	36	49.8	1.0	0.8	
	+ ePE	21	52	48.0	0.8	0.2			- ePN			49.5	1.0	0.8	
	+ ePN			48.2	1.0	0.8			- eP			49.5	1.0	1.0	
	+ eP			48.0	1.0	0.8			+ ePE	16	03	14.8	1.0	0.5	
	- ePE	02	39	54.2	0.8	0.2			+ iP			14.8	1.0	1.0	
	- ePN			54.5	1.0	0.8			+ ePE	18	02	54.8	1.0	1.2	
- eP			54.5	1.0	0.5	- ePN			54.5	1.0	0.2				
- ePE	05	14	49.5	1.2	0.5	+ iP			54.8	0.8	1.0				
+ ePN			49.7	1.5	0.5	- ePE	01	25	08.9	1.2	0.5				
- eP			49.7	1.5	1.0	- ePN			08.9	1.2	0.5				
+ ePE	09	19	36.0	1.7	1.0	+ eP			08.8	1.2	1.5				
+ ePN			35.8	1.7	0.5	+ iPE	06	25	09.0	1.2	1.0				
+ eP			36.0	1.7	0.5	- iPN			09.0	1.3	1.5				
- ePE	19	27	03.5	0.5	0.5	+ iP			09.0	1.2	2.5				
- ePN			03.8	1.0	0.5	+ ePE	15	43	53.9	1.0	0.3				
- eP			03.8	0.7	0.5	- ePN			53.9	1.0	0.5				
+ ePE	02	47	31.0	0.5	0.5	+ eP			53.9	1.0	0.3				
- ePN			31.0	1.0	0.7	- ePE	18	43	37.2	1.0	0.3				
+ eP			31.0	1.0	0.8	- ePN			37.5	1.0	0.5				
- iPE	08	38	23.2	1.2	3.0	+ eP			37.5	1.0	0.5				
- iPN			23.2	1.2	2.5	- ePE	00	16	40.5	1.5	1.0				
+ iP			23.2	1.2	10.0	- eP			39.8	1.0	1.5				
+ ePE	09	10	53.5	0.8	1.2	+ ePE	08	32	47.0	1.2	1.5				
- ePN			53.5	1.0	1.8	+ ePN			47.0	1.2	1.0				
+ eP			53.4	1.0	1.5	+ eP			47.0	1.0	0.5				
+ ePE	16	49	54.5	1.2	1.8	+ ePE	11	12	37.5	1.7	1.0				
- ePN			54.5	1.2	1.2	- iPN			37.6	1.6	1.0				
- eP			54.5	1.0	0.5	+ iP			37.6	1.6	3.7				
- ePE	04	59	03.2	1.0	1.2	- ePE	21	50	11.2	0.7	0.2				
- iP			03.1	1.0	1.5	- ePN			11.3	1.0	1.0				
+ iPE	08	03	30.0	1.0	0.7	+ eP			11.3	0.8	0.5				

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s			
Oct. 24	+ iPE	03	52	06.3	1.2	1.2	71
	+ ePN			06.1	1.2	0.5	
	- eP			06.3	1.2	2.0	
	+ ePE	07	09	18.5	1.2	0.5	
	+ iP			18.2	0.9	1.8	
	+ ePE	11	38	31.0	1.2	0.2	74
	- ePN			31.2	1.5	0.5	
	+ iP			30.8	1.0	1.0	
25	- ePE	03	48	33.0	1.0	0.8	
	+ ePN			33.0	0.9	0.2	
	+ eP			33.0	1.0	0.3	
	- iPE	05	27	13.3	1.1	0.3	73
	+ ePN			13.4	1.1	0.2	
	+ iP			13.1	0.8	1.8	
	+ ePE	07	00	08.5	1.0	0.5	
	- ePN			08.3	1.1	0.5	
	+ eP			08.5	1.0	0.5	
	- ePE	07	57	03.5	1.0	0.2	73
	- ePN			05.0	1.0	0.3	
	+ iP			03.8	1.0	0.3	
	- ePE	10	18	07.0	1.0	0.2	73
	+ ePN			07.0	1.0	0.2	
	+ iP			06.9	0.8	0.8	
	- ePE	10	27	55.5	1.0	0.2	74
	+ ePN			55.5	0.8	0.3	
	- iP			55.3	0.8	0.3	
	- iPE	12	10	25.6	1.5	2.0	71
	- eSE		18	24.2	2.5	0.5	
	- iPN		10	25.2	1.8	1.0	
	- eSN		18	24.1	2.8	1.0	
	- iP		10	25.2	1.5	1.5	
	LP - ePE	10	10	28.6	—	0.2	
	- eSE		18	24.0	13.9	0.5	
	- eP		10	28.6	4.6	0.2	
	+ ePE	15	22	29.0	1.0	0.5	72
	- ePN			29.0	0.8	0.2	
	- iP			28.7	1.0	1.0	
	LP + eSE		32	54.4	11.1	0.5	
	+ eSN		32	54.4	10.2	0.2	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s			
Oct. 25	- eP	15	22	33.2	7.4	0.3	
	+ eS		32	53.5	11.1	0.3	
	- ePE	15	34	29.3	1.0	0.5	72
	+ ePN			29.3	0.8	0.2	
	+ iP			29.3	0.8	1.5	
	+ iPE	15	55	11.4	0.8	0.7	72
	+ ePN			11.8	0.8	0.2	
	- iP			11.5	0.8	0.5	
	- ePE	17	12	18.0	0.8	0.3	
	+ ePN			18.0	0.8	0.5	
	+ eP			18.0	1.0	1.0	
	+ ePE	18	02	44.0	1.0	0.3	72
	- ePN			44.0	1.0	0.2	
	- eP			44.0	1.0	0.3	
	- ePE	18	06	23.8	1.2	0.3	73
	+ iP			23.8	1.0	0.6	
	- ePE	22	20	56.3	1.0	0.5	72
	+ ePN			56.3	1.0	0.5	
	+ iP			56.3	1.0	1.2	
	- ePE	22	33	28.3	0.8	0.2	72
	- ePN			28.5	0.8	0.3	
	+ iP			28.3	0.8	1.0	
	+ iPE	23	15	25.0	1.2	1.0	
	+ iP			24.8	1.0	0.5	
	+ iPE	23	21	29.0	0.8	1.0	72
	+ iPN			29.0	0.7	0.5	
	- iP			29.0	0.7	2.5	
26	+ iPE	02	16	10.0	0.8	0.5	
	- ePN			10.2	0.8	0.5	
	+ iP			10.0	0.5	0.5	
	- ePE	04	08	27.2	1.0	0.5	71
	+ ePN			27.2	1.0	0.5	
	- eP			27.2	1.0	0.8	
	- ePE	04	11	11.5	1.0	0.5	78
	+ ePN			11.3	1.0	0.5	
	- iP			11.3	1.0	1.2	
	+ ePE	08	24	47.5	0.7	0.2	74
	+ ePN			47.5	0.7	0.5	
	+ iP			47.3	0.6	0.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Oct. 26	- ePE	17	22	28.2	1.3	0.5		Oct. 29	+ iPN	09	20	22.0	1.6	1.2	
	+ ePN			28.2	1.5	0.5			+ iP			21.9	2.0	2.2	
	+ eP			28.2	1.0	0.5			+ ePE	17	16	57.0	1.6	0.5	
	+ ePE	21	13	18.5	1.2	0.3	71	- ePN			57.0	1.5	0.2		
	- ePN			18.5	1.5	0.5		- eP			57.0	1.5	0.5		
	+ iP			18.1	1.2	1.0		+ ePE	17	41	44.8	0.9	0.5		
27	+ ePE	22	12	18.2	1.0	0.5	30	+ eP			44.8	0.8	0.5		
28	- iP			18.2	1.0	1.0		+ ePE	05	36	23.0	0.8	1.0		
	- iPE	06	08	42.0	1.0	1.8		+ ePN			23.3	1.0	0.5		
	+ iP			42.3	0.9	1.2	- eP			23.0	0.8	0.5			
	+ ePE	06	27	18.3	1.3	0.5	79	- ePE	06	19	37.2	0.7	0.5		
	+ ePN			18.3	1.3	0.3		+ eP			37.5	0.8	0.8		
	- eP			18.2	1.5	0.8		+ ePE	09	32	05.0	1.0	0.2		
	- iPE	18	58	21.8	1.0	1.0	72	+ iP			05.0	1.0	1.0	73	
	- iPN			21.9	0.8	1.5		- ePE	15	44	49.5	1.2	1.0		
	+ iP			22.0	0.8	1.5		- ePN			49.0	1.0	0.8		
	- ePE	22	38	49.8	0.9	0.5	75	+ eP			49.5	1.2	1.5		
	- ePN			49.9	0.9	0.5		+ ePE	02	50	07.5	1.0	0.2		
	+ eP			49.8	1.0	0.5		+ ePN			07.5	1.0	0.5		
	- ePE	22	40	06.0	1.5	0.5	72	+ iP			07.5	1.0	0.7		
	- ePN			06.0	1.5	0.8		+ ePE	06	12	02.6	0.8	0.2		
	+ iP			06.0	1.5	1.5		+ ePN			02.5	0.8	0.5		
29	- ePE	01	17	38.0	1.3	0.5	74	- eP			02.5	0.8	0.5		
	+ eP			37.8	1.5	1.0		- ePE	08	28	12.0	0.8	1.0		
	- iPE	02	30	11.8	1.5	1.5		+ eP			12.0	0.8	0.5		
	- iPN			12.3	1.8	1.3	75	+ ePE	08	37	19.0	0.8	0.5		
	+ iP			11.8	1.6	2.0		+ ePN			19.0	0.8	0.5		
	LP + ePE		30	13.9	—	0.2		+ eP			19.1	0.8	0.5		
	-iPCPE		31	25.0	6.5	0.5	74	+ ePE	09	19	05.0	1.5	0.2		
	+ eSE		37	48.8	13.0	0.6		- eP			05.1	1.2	0.5		
	-ePCPN		31	25.0	6.5	0.3		- ePE	16	45	12.6	1.0	0.5		
	- eSN		37	49.5	14.8	0.5	74	+ ePN			12.5	1.5	0.5		
	- eP		30	14.8	4.6	0.2		+ eP			12.3	1.2	0.5		
	+iPCP		31	25.0	7.4	0.5		- iPE	18	06	09.3	1.5	3.0		
	- eS		37	48.0	16.6	0.5	72	+ eSE		16	56.0	2.6	2.0		
	- ePE	08	20	10.8	0.8	0.2		- ePN		06	09.2	1.2	1.0		
	- ePN			10.9	0.8	0.3		+ eSN	16	58.8	2.5	7.0			
	+ eP			10.8	0.6	0.5	72	+ iP		06	09.2	1.3	6.0		
	- iPE	09	20	22.0	2.1	1.0		+ eS		16	58.2	2.7	2.0		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Oct. 31	LP + eSE	18	17	01.0	9.3	0.3	74	Nov. 01	- iPE	19	33	07.9	1.5	1.0	74
	- iSN		17	01.0	12.0	1.0			+ ePN			09.2	1.0	0.5	
	- iP		06	11.1	9.2	0.5			- iP			07.9	1.0	2.0	
	- iX		09	41.0	8.3	0.7			- iPE	21	56	22.8	0.8	0.5	
	+ ePE	18	56	10.8	1.2	0.2			+ ePN			22.8	0.8	0.1	
	+ ePN			10.2	1.2	0.2			+ iP			22.8	0.6	1.5	
	+ iP			10.5	1.1	0.6			- ePE	23	49	51.2	1.0	0.3	
	+ ePE	19	00	43.5	1.5	0.5			+ iPN			50.8	1.0	0.5	
	- eP			43.5	0.8	1.0			+ iP			50.8	1.0	0.5	
	+ iPE	19	05	09.0	0.9	1.0			- iPE	02	03	22.1	0.8	1.0	
	- ePN			08.9	0.9	0.8			+ iPN			22.0	0.8	0.5	
	+ eP			09.0	1.0	1.0			- iP			22.1	0.8	1.2	
	- ePE	19	20	02.5	1.2	0.2			+ ePE	05	19	39.2	0.8	0.2	
	- ePN			02.5	1.2	0.2			+ ePN			39.2	0.8	1.0	
	+ eP			02.5	0.8	0.2			+ eP			39.2	1.0	0.5	
	Nov. 01	- ePE	01	46	08.0	1.2			0.2	73	+ ePE	06	41	22.2	
- iP				07.9	0.9	0.7	+ ePN				22.3	0.8	1.5		
+ ePE		08	55	05.3	1.0	0.5	+ eP				22.3	0.8	1.0		
+ ePN				05.0	1.0	0.5	+ ePE	10	26		37.2	1.0	0.2		
- eP				05.2	1.0	0.2	+ ePN				37.2	0.8	0.5		
- ePE		08	59	19.3	1.0	1.5	+ eP				37.2	0.8	0.5		
+ ePN				19.2	1.0	1.2	- ePE	14	16		16.7	1.0	0.5		
- eP				19.3	0.8	0.5	- ePN				16.7	1.0	0.2		
- iPE		09	50	26.6	0.7	0.2	+ eP				16.7	1.0	1.2		
+ iPN				26.6	0.8	0.2	+ ePE	03	00		06.9	1.0	0.5		
- iP				26.6	0.7	1.0	- ePN				06.8	1.0	0.5		
- ePE		11	20	41.6	1.2	0.5	+ eP				06.8	1.0	0.5		
- ePN				41.5	1.5	0.3	+ ePE	00	34		43.8	1.0	0.5		
+ eP				41.5	1.2	1.5	+ ePN				43.8	1.0	0.2		
- iPE		13	20	07.4	0.8	2.0	- iP				43.8	1.0	1.0		
+ eSE				24	50.0	2.2	1.5	- ePE	00		44	29.0	1.1	0.3	
+ ePN				20	07.8	0.8	0.5	+ ePN				29.2	1.2	0.5	
- eSN				24	50.8	3.0	4.0	+ eP				29.0	1.0	1.0	
- iP				20	07.3	0.8	3.0	- eSE	03		02	58.8	2.0	0.5	
- eS				24	50.5	2.5	1.0	+ ePN	02		51	31.0	1.0	0.3	
+ ePE	15	48	57.5	1.0	0.2	- eSN	03	02	58.8	2.0	0.5				
- eP			57.3	1.0	1.0	- eP	02	51	31.0	0.8	0.5				
							+ ePE	03	51	38.2	1.0	1.5			
							- ePN			38.2	1.0	1.0			

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Nov. 03	+ eP	03	51	38.3	1.0	1.5	75	Nov. 05	- ePN	15	19	37.3	1.0	0.2	75
	- ePE	04	21	30.0	1.0	0.2			+ eP			37.3	1.2	1.5	
	+ ePN			30.0	1.0	0.2			- ePE	19	14	12.6	1.0	0.5	
	+ eP			30.0	1.0	0.2			- eP			12.6	1.0	0.5	
	+ ePE	06	54	29.3	1.0	0.5			- ePE	07	10	03.0	1.3	1.0	
	+ ePN			29.3	1.0	0.2			- ePN			02.9	1.0	0.5	
	+ eP			29.3	1.0	1.2			+ iP			02.9	0.8	1.0	
	+ ePE	09	33	05.5	1.2	0.2			+ ePE	11	32	01.5	1.3	1.0	
	- ePN			05.5	1.0	0.3			+ ePN			01.5	0.8	0.5	
	+ eP			05.5	1.0	0.5			+ eP			01.6	1.2	1.2	
	- iPE	12	47	17.6	1.0	0.5			+ ePE	12	47	02.0	0.9	1.2	
	+ iPN			17.5	0.7	1.0			- ePN			01.9	1.0	1.5	
	- iP			17.6	0.8	5.1			+ eP			01.9	1.1	1.2	
	- ePE	13	04	10.5	1.0	0.2			- ePE	13	14	12.8	1.2	0.5	
	+ eP			10.5	1.0	0.5			+ ePN			12.8	1.3	0.8	
	- ePE	15	00	51.3	0.8	0.3			- eP			12.8	1.5	1.5	
	- ePN			51.5	0.8	0.3			- ePE	16	56	47.8	0.8	0.2	
	- eP			51.3	0.8	0.5			- ePN			47.8	0.8	0.2	
	+ ePE	17	35	18.8	0.6	0.5			+ eP			47.5	1.0	0.5	
	- ePN			18.5	0.6	0.5			+ ePE	18	39	57.2	1.0	0.5	
+ iP			18.7	0.6	1.5	- eP			57.2	1.0	1.0				
+ ePE	22	37	10.0	1.8	1.0	+ ePE	20	20	56.2	1.0	0.2				
+ eP			10.0	1.8	1.5	- ePN			56.2	1.0	0.3				
04	+ ePE	00	14	17.2	1.0	0.2	- eP			56.2	1.0	0.5	77		
	+ eP			17.2	1.0	0.5	+ ePE	20	24	09.3	1.0	1.0			
	+ ePE	04	16	54.2	1.2	0.2	+ ePN			09.3	1.0	1.0			
	- eP			54.2	1.0	0.5	- eP			09.5	1.2	1.5			
	+ ePE	06	19	09.0	1.0	0.5	+ ePE	00	07	21.0	1.3	1.5			
	- eP			09.0	1.0	1.0	- ePN			21.0	1.2	0.5			
	- ePE	17	55	36.8	1.0	0.2	+ eP			21.0	1.0	0.5			
	- iPN			36.8	0.9	0.2	- ePE	00	24	51.2	1.0	3.0			
	+ iP			36.8	0.9	1.0	- ePN			51.2	1.0	0.5			
	- ePE	04	37	47.6	0.6	0.2	+ eP			51.2	1.0	1.5			
05	- ePN			47.6	0.6	0.5	- iPE	07	56	14.9	1.2	0.5	77		
	+ eP			47.8	0.6	0.2	+ iPN			14.9	1.2	0.5			
	- ePE	06	15	03.0	0.8	0.2	- iP			14.9	1.2	2.2			
	- ePN			03.0	1.0	1.0	- ePE	19	04	24.8	1.0	0.5			
	+ eP			03.0	1.0	0.5	- ePN			24.8	1.0	0.2			
	+ ePE	15	19	37.3	1.2	0.5	- iP			26.2	0.8	1.5			

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Nov. 16	+ eP	01	56	05.7	1.0	0.2	75	Nov. 18	- iSE	17	04	07.8	1.8	5.5	77
	- iPE	06	57	16.7	1.2	0.5			- iPN	16	54	43.8	1.1	1.2	
	+ ePN			16.7	1.8	0.1			+ iSN	17	04	07.8	1.3	2.0	
	+ iP			16.7	1.2	2.0			+ iP	16	54	43.7	0.9	5.0	
	- ePE	09	58	13.7	0.8	0.5			- iS	17	04	07.8	1.6	2.0	
	+ eP			13.7	0.8	0.5			- ePN	20	23	06.2	1.2	0.5	
	- iPE	21	45	47.2	0.8	0.5			+ iP			06.3	1.2	0.7	
	- ePN			47.2	0.8	0.5			- iPE	20	42	06.0	1.0	1.2	
	+ iP			47.2	0.8	1.5			- ePN			06.0	1.0	1.0	
	- ePE	08	55	01.7	0.8	0.2			+ iP			06.0	1.0	1.5	
17	- ePN			01.7	1.0	0.5	+ iPE	22	44	36.8	0.8	0.5	81		
	+ eP			01.7	1.0	0.5	- ePN			37.0	0.7	0.2			
	- iPE	09	25	40.4	0.8	0.5	- iP			36.8	0.8	1.2			
	- ePN			40.4	1.0	0.5	+ iPE	05	27	02.5	1.0	0.8			
	+ iP			40.4	1.0	0.8	+ ePN			02.5	1.0	0.2			
	+ iPE	10	21	50.2	1.0	1.2	+ iP			02.5	1.0	1.5			
	+ ePN			50.0	1.0	1.2	- ePE	10	28	47.2	1.2	0.2		81	
	- iP			50.2	1.0	1.5	+ iP			47.2	1.0	1.0			
	- ePE	19	13	06.3	1.2	1.2	+ ePE	17	58	28.5	1.5	0.2			
	+ ePN			06.0	1.0	0.5	- ePN			28.5	1.5	0.2			
+ iP			06.0	1.3	1.0	- eP			28.5	1.0	0.5				
- ePE	20	09	10.2	1.0	0.5	- ePE	18	19	11.0	1.2	0.5	78			
+ eP			10.2	1.0	1.5	+ iPN			11.0	1.2	1.0				
- ePE	02	10	38.2	1.5	0.5	+ iP			11.0	1.2	1.8				
+ iP			38.2	1.8	1.5	- ePE	04	15	06.2	1.2	0.3		78		
+ iPE	02	26	03.0	1.2	1.5	+ eP			06.2	1.0	0.5				
+ ePN			03.0	1.0	0.5	+ ePE	07	53	11.8	1.0	0.2				
+ iP			02.9	1.1	1.0	+ ePN			11.8	1.0	0.3				
- ePE	06	31	31.8	0.8	0.3	- eP			11.8	1.0	0.8				
- iP			31.8	0.8	1.0	+ ePE	11	33	18.3	1.2	0.2			81	
+ ePE	07	31	19.8	1.0	0.5	- eP			18.3	1.0	1.0				
- ePN			19.8	1.0	0.2	+ ePE	13	04	06.0	1.0	0.3				
+ eP			19.8	1.0	0.8	- eP			06.2	1.2	0.5				
+ ePE	09	58	44.0	1.0	0.2	+ ePE	00	40	58.6	1.2	0.3	81			
+ iP			44.0	1.0	0.8	+ ePN			58.6	1.2	0.5				
+ iPE	10	14	22.0	1.0	1.0	- eP			58.6	1.8	1.0				
+ iPN			22.2	1.0	0.8	- ePN	03	03	58.2	1.2	0.3		81		
- iP			22.2	1.5	1.0	- ePN			58.0	1.2	0.5				
- iPE	16	54	43.8	1.1	1.0	+ eP			58.2	1.0	1.0				

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s			
Nov. 25	+ ePE	20	25	22.5	1.0	0.3	
	- iP			22.5	1.0	0.8	
26	+ ePE	22	22	32.9	1.0	0.3	
	+ eP			32.8	1.0	1.0	
	- ePE	04	06	00.8	1.0	0.5	
	+ ePN			00.8	1.0	0.5	
	- eP			00.8	1.0	1.0	
	- ePE	06	42	37.0	0.8	0.2	
	- ePN			37.0	0.8	0.5	
	+ eP			37.0	0.8	0.5	
	- ePE	07	36	03.5	1.0	0.5	
	+ ePN			03.3	1.2	0.3	
27	+ eP			03.3	1.0	0.3	
	+ ePE	06	59	51.3	1.0	0.5	
	+ ePN			51.3	1.5	0.5	
	- eP			51.3	1.5	0.5	
	+ iPE	08	10	37.5	1.0	0.5	82
	+ iP			37.5	1.0	1.0	
	- ePE	08	22	32.0	0.8	0.5	
	+ ePN			31.8	1.0	0.5	
	+ eP			31.8	1.2	0.3	
	- ePE	09	57	48.1	1.0	0.5	
28	+ ePN			47.8	1.0	0.3	
	- iP			47.9	0.9	1.2	
	- iPE	16	52	36.3	1.0	0.5	
	- iPN			36.5	0.8	1.0	
	+ iP			36.5	0.8	2.0	
	+ ePE	19	58	10.0	1.2	0.7	82
	+ eP			10.0	1.5	1.5	
	+ iPE	01	08	54.2	1.1	0.5	80
	- ePN			55.0	1.0	0.5	
	- iP			54.2	1.2	1.0	
28	+ ePE	01	40	29.6	1.1	2.0	80
	- iPN			29.4	1.0	0.5	
	+ iP			29.4	1.0	2.0	
	+ ePE	08	21	20.9	1.0	0.2	
	- ePN			20.8	1.0	0.5	
	+ eP			20.9	0.8	0.2	
	+ iPE	11	20	34.2	0.9	3.0	79

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s			
Nov. 28	- ipPE	11	20	47.5	1.2	4.5	
	- iPN			34.2	0.9	1.5	
	+ ipPN			47.7	1.2	3.0	
	+ iP			34.2	0.8	7.0	
	- ipP			47.5	1.3	10.5	
	+ iPE	14	57	23.5	1.0	3.0	79
	- iPN			23.5	1.0	1.5	
	- ipPN			36.2	1.0	7.0	
	+ iP			23.4	1.0	8.2	
	- ipP			36.1	1.0	7.0	
29	+ ePE	20	35	41.5	1.0	0.5	79
	+ eSE		46	03.0	2.0	1.2	
	- ePN		35	41.4	1.2	0.2	
	- iSN		46	03.0	1.8	1.5	
	- iP		35	41.4	1.2	1.5	
	- eS		46	03.5	2.0	1.0	
	LP + eSE		46	01.8	11.1	0.2	
	+ eSN			01.8	11.1	0.3	
	- ePE	02	19	12.9	1.1	0.5	
	- ePN			13.1	1.2	0.3	
29	+ eP			13.1	1.5	0.5	
	+ ePE	06	12	04.8	1.0	0.5	80
	+ ePN			04.8	1.0	0.3	
	+ eP			04.8	1.0	0.5	
	LP - eSE		21	01.0	14.8	0.5	
	+ eSN			02.0	15.0	0.2	
	- ePE	06	39	25.8	0.6	0.2	
	- iPN			25.9	0.9	1.0	
	+ iP			25.9	1.0	1.0	
	+ ePE	12	04	35.8	1.8	1.5	
29	- ePN			35.3	1.5	0.5	
	- eP			35.3	1.5	0.5	
	+ ePE	12	50	10.8	1.0	0.8	
	+ ePN			11.1	0.8	0.3	
	- eP			10.8	0.8	0.5	
	+ ePE	16	35	22.2	1.3	1.0	79
	+ iPN			21.9	1.1	0.5	
	- iP			21.9	1.0	1.5	
	- ePE	22	41	06.0	0.8	0.7	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Nov. 29 30	- ePN	22	41	06.0	0.8	1.0		Dec. 02	- iP	02	35	03.2	0.8	0.8	
	+ eP			06.0	0.8	0.5			+ ePE	02	55	02.0	1.2	0.5	
	- ePE	00	43	16.0	1.0	1.0			- ePN			01.2	1.5	0.5	
	+ ePN			16.0	0.9	1.5			+ eP			01.2	2.5	3.0	
	- eP			16.1	0.8	1.0			- ePE	05	22	46.0	1.2	0.5	
	- ePE	08	17	06.0	0.8	1.0			- eP			46.0	1.0	0.8	
	+ eP			06.0	1.0	0.5			- ePE	05	23	55.8	0.8	0.5	80
	+ ePE	08	52	10.8	1.0	1.0			- ePN			55.8	0.8	0.7	
	+ ePN			10.5	0.8	0.8			- iP			55.8	0.9	0.5	
	+ eP			10.8	0.8	0.8			+ ePE	11	23	22.5	1.2	0.5	
	+ ePE	23	54	49.2	1.3	0.2			+ ePN			22.7	1.5	0.3	
- iP			49.2	1.5	0.8		+ eP			22.7	1.0	0.8			
Dec. 01 LP	+ ePE	13	02	26.0	1.0	0.8	80	- ePE	13	24	10.2	1.0	0.5	81	
	+ eP			26.2	1.0	1.2		+ ePN			10.2	1.0	0.3		
	- ePE	18	27	41.9	1.3	0.5	82	+ iP			10.2	1.0	1.8		
	- eSE		38	37.2	4.5	1.5		+ ePE	15	38	51.0	1.1	1.0	80	
	+ ePN		27	42.1	1.5	0.7		+ ePN			51.0	1.1	1.0		
	- eSN		38	36.8	2.0	1.0		- iP			50.9	1.1	1.5		
	+ iP		27	41.9	1.0	2.0		- eSE		49	18.5	14.8	0.2		
	- eSE	LP	38	27.0	13.8	0.3		+ eSN			18.5	13.9	0.2		
	- eSN			27.0	9.3	0.2		+ ePE	16	07	23.8	1.5	0.5	81	
	- ePE	19	04	22.5	1.0	0.5	81	- iSE		17	52.8	3.5	2.2		
	+ eP			22.6	1.3	0.5		+ ePN		07	23.8	1.5	0.5		
	- ePN	21	29	25.0	1.3	0.5		- eSN		17	53.0	2.8	2.0		
	+ eP			25.0	1.5	0.5		- eP		07	23.8	1.8	1.0		
	+ ePE	22	15	02.2	1.0	0.3	80	+ ePE	16	16	07.2	1.0	1.0		
	+ ePN			02.2	1.0	0.5		- eP			07.3	1.3	1.0		
	- iP			02.2	1.0	2.0		+ ePE	23	28	37.2	1.2	1.0		
	+ ePE	23	12	07.7	1.0	1.2	81	+ ePN			37.5	1.2	1.0		
	- ePN			07.3	1.0	1.2		+ eP			37.2	1.2	0.5		
	+ eP			07.5	1.0	1.0		- iP	07	15	35.0	1.0	1.5	79	
	+ ePE	23	13	56.8	1.0	0.3		- ePN			35.1	1.0	0.3		
- iP			56.8	1.0	0.5		+ iP			35.0	0.9	3.5			
- ePE	01	22	41.0	0.8	0.5		- ePE	08	10	50.2	1.3	0.5	79		
+ ePN			41.0	0.8	0.5		+ eP			50.1	1.3	1.5			
+ eP			41.0	0.8	0.2		+ ePE	10	02	07.9	0.8	0.5			
- ePE	02	35	03.2	0.8	0.5	80	- ePN			07.9	0.8	0.5			
							+ iP			07.9	0.8	1.5			

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Dec. 03	- ePN	12	07	36.1	1.0	0.3	85	Dec. 05	+ ePN	20	24	07.5	1.0	1.0	
	- eP			36.1	1.2	1.0			+ eP				07.5	1.0	
04	+ ePE	16	11	59.1	1.5	1.0	85	- ePE	21	21	30.5	0.9	1.0	80	
	- ePN			59.2	1.0	0.5		- ePN			31.0	0.9	0.8		
	- eP			59.1	1.0	0.5		+ eP			30.8	0.9	1.0		
	- ePE	23	43	08.2	1.0	0.8		- ePE	22	11	56.0	1.2	0.5		
	+ ePN			08.2	1.0	0.8		+ ePN			55.8	1.0	0.5		
	+ iP			08.0	1.0	1.0		- iP			55.7	1.2	1.0		
	+ iPE	11	36	01.6	1.0	1.5		+ ePE	22	42	38.5	1.0	1.0		
	+ ePN			01.6	0.8	1.2		+ iSE		52	44.3	1.9	2.2		
	+ iP			01.6	0.8	1.0		- ePN		42	39.0	1.0	0.5		
	- ePE	12	00	21.6	1.0	0.5		- iSN		52	44.1	1.6	1.5		
05	+ ePN			21.6	0.9	1.2	80	- eP		42	38.5	1.0	2.5	83	
	- eP			21.8	0.8	0.5		+ eS		52	44.3	1.8	1.0		
	- ePN	13	44	36.7	1.0	0.8		+ ePE	23	11	48.5	0.9	0.3		
	+ eP			36.8	1.0	0.8		- ePN			48.5	1.0	0.2		
	+ ePE	17	20	28.0	1.0	2.0		- eP			48.5	0.8	0.3		
	+ eSE		30	03.3	3.2	2.0		+ ePE	23	22	33.3	1.1	0.2		
	- iPN		20	28.0	1.0	1.0		+ ePN			33.3	1.1	0.3		
	- eSN		30	02.3	3.0	1.0		+ eP			33.2	1.0	1.0		
	+ iP		20	28.0	0.8	5.0		+ ePE	00	40	00.8	1.0	1.5		
	LP + ePE		20	27.8	7.4	0.2		- ePN			00.7	1.0	0.5		
05	- iSE		30	07.5	14.8	1.5	83	+ eP			00.8	0.8	1.5	81	
	+ ePN		20	27.8	9.2	0.2		+ iPE	03	13	41.2	0.8	0.5		
	+ eSN		30	07.5	14.8	0.5		- ipPE		14	08.2	1.6	1.5		
	+ ePE	03	41	20.7	1.0	0.5		- iPN		13	41.2	1.1	0.5		
	+ ePN			20.7	1.0	0.3		+ ipPN		14	08.2	1.8	1.0		
	+ eP			20.7	1.0	0.8		+ iP		13	41.2	1.5	2.5		
	+ ePE	03	50	23.3	1.0	0.5		- ipP		14	08.2	1.8	4.0		
	+ iP			23.2	1.0	0.8		+ iPE	03	22	10.5	0.7	1.0		
	+ ePE	10	05	33.2	1.0	0.2		- iPN			10.6	0.8	1.0		
	+ ePN			33.2	1.2	0.3		+ iP			10.6	0.8	2.5		
05	- iP			33.2	0.8	0.8	81	- iPE	04	22	57.9	0.7	1.0	80	
	- ePE	16	50	03.2	1.0	1.2		+ iSE		33	04.0	2.0	3.5		
	+ eP			03.2	1.0	0.5		- ePN		22	57.5	1.0	0.3		
	- ePE	19	48	05.5	1.0	0.5		- iSN		33	04.1	2.0	1.5		
	- ePN			05.8	1.5	1.0		+ iP		22	57.9	0.8	3.5		
	- eP			05.7	1.0	0.5		- eS		33	03.1	2.3	0.5		
	+ ePE	20	24	07.7	1.0	1.0		- ePE	10	06	07.2	1.0	0.3		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Dec. 06	+ ePN	10	06	07.0	0.9	0.6		Dec. 10	- iPN	04	48	06.8	1.6	0.5	
	- eP			07.2	1.0	0.3			+ iP			06.8	1.6	4.5	
	+ ePE	12	21	02.2	1.0	1.0			LP + ePE		48	10.2	9.2	0.2	
	- ePN			02.2	1.5	1.0			+ ePPF		51	57.2	14.8	0.5	
	+ eP			02.2	1.0	0.5			+ eSE		58	55.4	16.7	1.5	
	+ ePE	14	50	01.8	0.8	0.3			+ ePN		48	10.2	9.2	0.2	
	+ ePN			01.8	0.8	0.5			+ ePPN		51	59.0	13.0	0.5	
	- eP			01.8	0.8	0.5			+ eSN		58	55.4	16.7	1.0	
	- ePE	20	40	04.8	1.0	0.3			- ePN	10	34	58.2	1.5	0.2	
	- iP			04.3	1.0	1.2			+ eP			58.0	1.5	1.8	
	+ ePE	21	56	34.2	1.0	1.0			+ ePE	11	51	09.5	1.0	0.2	
	- ePN			34.2	1.0	1.0			+ ePN			09.6	1.0	0.5	
	+ eP			34.2	1.2	1.0			+ eP			09.5	1.0	0.5	
	- ePE	07	05	27.0	1.0	1.0			+ ePE	17	43	07.5	1.2	0.2	
+ ePN			27.2	1.2	1.0	- eP			07.2	1.2	1.2				
+ eP			27.0	1.0	0.8	+ ePE	18	12	55.2	1.2	0.5				
- ePE	09	00	49.8	1.3	0.8	+ ePN			55.6	1.0	1.0				
+ eP			50.1	1.3	1.0	- eP			55.2	1.0	0.8				
- ePE	10	51	53.5	1.0	0.5	- iPE	20	18	25.3	0.8	0.3	82			
+ ePN			53.8	1.0	0.8	+ iP			25.3	0.8	1.0				
+ iP			53.8	1.0	1.0	+ ePE	00	26	46.0	1.5	1.5				
- iPE	17	54	15.9	1.0	0.5	- ePN			46.0	1.0	0.3				
+ iPN			16.1	1.0	2.5	- eP			45.9	1.0	0.5				
+ iP			16.0	1.0	2.0	+ ePE	01	04	15.0	1.3	1.5				
+ ePE	19	25	09.2	0.9	0.8	- ePN			15.0	1.3	0.8				
+ ePN			09.7	0.9	0.8	- eP			15.0	1.3	0.5				
- eP			09.2	0.8	0.5	- ePE	06	11	43.1	1.0	0.5		87		
- ePE	21	53	52.5	1.2	0.3	- ePN			43.1	1.0	0.5				
- eP			52.5	1.0	1.2	+ iP			43.2	0.9	1.0				
+ ePE	08	00	01.8	1.5	0.3	- ePE	06	56	14.5	1.0	1.0				
+ ePN			01.8	1.5	0.5	+ ePN			14.3	0.9	1.5				
- eP			01.8	1.2	1.0	+ eP			14.7	1.0	1.2				
+ iPE	09	11	12.0	1.2	0.5	+ ePE	07	26	25.8	1.0	1.0				
- ePN			12.0	1.2	0.3	- ePN			25.5	1.0	1.0				
- iP			12.0	1.2	1.5	+ eP			25.7	1.0	1.0				
- ePE	09	18	29.0	0.8	0.3	+ iPE	10	38	03.2	1.0	0.5	81			
+ ePN			29.0	0.8	0.3	- iPN			03.2	1.0	0.2				
- eP			29.0	0.8	0.3	+ iP			03.1	1.6	2.5				
+ iPE	10	04	06.8	1.6	1.5	+ ePE	14	45	50.5	1.0	1.0				

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Dec. 11	- e ^P	14	45	50.5	1.0	0.5	80	Dec. 13	- i ^{PN}	23	18	54.5	1.8	0.5	84
	- e ^{PE}	17	19	04.0	1.0	0.5		+ i ^P			54.5	1.5	1.8		
	- e ^{PN}			03.8	1.0	0.5		- e ^{PE}	07	36	02.0	1.8	0.5		
	+ e ^P			03.8	1.5	1.0		+ i ^P			02.0	1.3	1.1		
	+ e ^{PE}	23	25	39.5	1.2	0.8		- e ^{PE}	07	46	05.7	1.0	1.0		
	- e ^{PN}			39.5	1.0	0.3		+ e ^{PN}			05.7	1.0	1.0		
	- e ^P			39.3	1.0	0.3		+ e ^P			05.7	1.0	1.2		
12	- i ^{PE}	01	22	38.6	1.0	1.5	+ e ^{PE}	09	22	41.7	1.0	0.8	84		
	- i ^{SE}		32	22.8	2.0	1.5	- e ^{PN}			41.5	1.0	1.0			
	- i ^{PN}		22	38.6	1.0	2.2	+ e ^P			41.5	1.0	1.0			
	+ i ^{SN}		32	22.8	1.3	1.0	+ e ^{PE}	17	35	11.8	0.8	0.5			
	+ i ^P		22	38.5	1.0	8.0	+ e ^{PN}			11.8	0.8	0.3			
	+ e ^S		32	22.3	1.5	0.5	- e ^P			11.8	0.8	0.5			
	+ e ^{PE}	07	19	35.8	1.3	0.3	+ e ^{PE}	21	32	03.2	2.0	0.5			
	+ e ^P			35.8	1.0	0.5	- e ^{PN}			03.2	2.0	0.3			
	- i ^{PE}	12	53	33.3	0.8	1.5	+ e ^P			03.2	1.8	0.5			
	+ i ^P			33.3	0.8	3.5	+ e ^{PE}	04	14	08.0	0.8	1.0			
13	+ e ^{PE}	17	06	44.2	0.8	1.5	+ e ^P			08.0	0.8	0.5	84		
	+ e ^P			44.2	1.0	1.5	- e ^{PE}	13	33	01.5	1.3	0.2			
	+ e ^{PE}	19	54	13.2	1.0	0.5	+ e ^P			01.5	1.3	0.5			
	+ e ^{PN}			13.0	1.0	0.5	- i ^{PE}	15	37	11.0	1.5	2.5			
	+ e ^P			13.0	1.0	0.5	+ e ^{SE}			47	22.3	2.3		1.0	
	- e ^{PE}	07	00	11.0	1.0	1.5	- i ^{PN}			37	11.0	1.5		2.5	
	- e ^{PN}			11.2	1.1	1.5	+ i ^{SN}			47	22.8	2.2		1.5	
	- e ^P			11.2	1.1	1.0	+ i ^P			37	11.0	1.5		9.5	
	+ i ^{PN}	07	09	48.8	1.5	1.0	+ e ^{PE}	21	53	33.8	1.0	0.5		86	
	+ i ^P			48.7	1.6	1.5	- i ^P			33.8	1.0	1.8			
	+ e ^{PE}	12	42	18.7	1.0	0.2	+ e ^{PE}	23	30	04.8	1.5	1.0			
	- e ^P			19.0	1.0	0.8	+ e ^{PN}			05.0	1.5	0.2		86	
	- i ^{PE}	12	58	39.0	1.2	1.2	- e ^P			05.0	1.5	0.3			
- i ^{PN}			39.3	1.5	1.0	- e ^{PE}	02	43	54.3	1.8	1.2				
+ i ^P			39.0	1.5	4.0	+ e ^{PN}			54.5	1.5	0.3				
- e ^{PE}	17	02	21.0	1.0	0.8	- e ^P			55.0	1.5	0.8				
+ e ^{PN}			21.2	0.8	0.8	- e ^{PE}	04	45	50.0	1.2	0.8				
+ e ^P			21.2	0.8	1.2	+ e ^{PN}			50.0	1.0	0.8				
+ e ^{PE}	18	10	18.9	0.8	1.2	- i ^P			50.0	1.0	1.2				
+ e ^{PN}			19.0	0.7	0.5	+ e ^{PE}	08	14	11.0	0.8	0.8				
+ e ^P			18.9	0.8	1.5	- e ^{PN}			11.0	0.8	0.5				
+ e ^{PE}	23	18	54.4	1.5	0.2	+ e ^P			11.0	0.8	1.0				

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s						h	m	s			
Dec. 20	+ iPE	22	54	08.7	1.2	1.5		Dec. 24	- ePE	08	42	29.0	0.8	0.2	
	- iPN			09.0	2.1	2.0			+ ePN			29.0	0.8	0.5	
	+ iP			08.7	1.2	2.0			+ eP			29.0	0.8	1.0	
21	+ ePE	10	10	28.8	0.8	0.5			+ ePE	14	36	39.0	0.8	1.0	
	+ ePN			29.0	0.9	1.8			+ ePN			39.2	0.9	2.8	
	+ iP			29.0	0.9	1.8		25	+ eP			39.2	0.9	2.0	
	- ePE	13	07	09.5	1.2	0.5	86		- ePE	13	05	42.2	1.0	1.0	83
	+ eP			09.5	1.2	1.0			- ePN			42.2	1.0	0.5	
	+ ePE	14	16	12.2	1.2	0.3			- eP			42.2	1.0	2.2	
	+ ePN			12.0	1.2	0.3			+ ePN	20	00	40.2	1.5	1.0	90
	+ eP			12.0	1.2	0.5		26	+ eP			40.0	1.0	0.5	
	- iPE	14	52	27.2	0.9	5.0	87		+ ePE	02	42	17.2	1.0	0.6	89
	+ ePN			27.2	0.9	0.3			+ eP			17.2	1.0	1.0	
	+ iP			27.2	0.9	12.0			- iPE	10	15	27.3	1.0	1.5	83
22	- ePE	05	50	02.5	1.0	1.5	87		+ ePN			27.3	1.0	0.7	
	+ iPN			02.6	1.0	1.2			+ iP			27.3	1.0	4.5	
	- iP			02.5	1.0	5.0			- iPE	19	18	36.8	1.5	0.5	86
	- iX			33.9	0.9	6.5			- iPN			36.6	1.5	1.0	
	+ ePE	15	17	01.8	1.3	0.5			+ iP			36.7	1.5	1.5	
	- ePN			01.7	1.3	0.8			- ePE	21	21	16.1	0.8	0.5	87
	- eP			01.7	1.3	0.5			- eP			16.0	0.8	0.7	
	LP - iPE	15	31	18.8	1.0	3.0	87		+ ePE	21	54	23.3	1.2	0.5	86
	- eSE		40	59.0	2.8	3.0			+ ePN			23.4	1.2	0.3	
	+ iPN		31	18.7	1.0	2.0			- eP			23.2	1.5	0.8	
	- iSN		40	59.0	2.5	2.5			- ePE	22	12	25.5	1.0	1.2	
	- iP		31	18.7	1.0	9.0			- eP			25.5	1.0	2.0	
23	+ ePE	16	26	58.0	0.8	1.0		27	- ePE	02	19	38.3	1.0	0.8	90
	+ eP			57.9	0.8	1.2			- ePN			38.3	1.2	0.5	
24	- iPE	02	01	39.0	1.0	3.0	87		- eP			38.3	1.5	0.8	
	+ ePN			40.1	0.9	2.0			+ ePE	18	35	48.2	1.0	0.5	87
	+ iP			39.0	0.9	8.0			+ eP			48.2	1.2	1.0	
	+ ePE	04	47	11.8	1.0	0.5			+ ePE	18	51	43.5	0.9	1.0	
	- eP			11.8	1.0	1.5			- ePN			43.4	0.9	3.0	
	+ ePE	05	36	08.3	0.8	0.3			- eP			43.4	0.9	2.5	
	+ ePN			08.5	0.8	0.7		28	- ePE	10	45	04.3	1.0	0.5	85
	+ eP			08.5	0.8	1.0			+ ePN			04.3	1.0	0.5	
	- ePE	07	40	07.3	0.8	2.0			- iP			04.3	1.0	1.0	
	+ ePN			07.3	0.8	1.0			- iPE	20	16	34.3	1.2	1.5	86
	- eP			07.3	0.8	1.0			- iSE		27	02.3	3.3	1.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	CGS No.
		h	m	s			
Dec. 28	- ePN	20	16	34.0	1.1	1.5	
	+ iSN		27	02.3	1.8	7.0	
	+ iP		16	34.3	1.1	5.0	
29	- eS		27	05.0	2.5	2.5	
	- ePE	02	39	07.9	1.4	1.2	86
	- ePN			07.8	1.3	1.5	
	+ iP			07.1	0.9	1.5	
	LP + eXE		50	07.3	13.9	0.5	
	+ iXN			05.4	16.7	1.0	
30	+ ePE	03	44	52.7	1.0	0.3	88
	- eP			52.7	0.8	1.0	
	- iPE	22	07	47.1	1.0	2.0	84
	+ ePN			46.9	0.8	0.5	
	+ iP			47.0	1.0	4.5	
	+ ePE	03	54	40.7	1.3	1.5	87
	- ePN			41.0	1.3	1.0	
	- iP			40.9	1.0	1.5	
	- ePE	06	20	07.1	1.3	1.0	85
	+ iP			07.1	1.2	0.5	
31	- iP			07.1	1.2	2.5	
	+ iX			37.3	1.2	4.0	
	- ePE	08	23	15.0	1.0	0.2	90
	- ePN			15.0	1.0	0.2	
	- iP			15.0	1.2	1.8	
	+ ePE	09	26	12.7	0.8	1.0	
	- eP			12.7	1.1	1.0	
	+ ePE	02	53	31.6	1.0	0.2	88
	- ePN			31.6	1.2	0.2	
	+ eP			31.6	1.2	0.3	
	+ ePE	03	02	03.8	1.2	0.5	86
	- ePN			03.8	1.2	0.3	
	- iP			03.8	1.2	1.0	
	- ePE	07	22	46.0	1.2	0.5	88
- ePN			46.0	1.2	0.5		
+ iP			46.0	1.2	2.0		