

Seismological Bulletin of Syowa Station, Antarctica

1971

Heihachiro Chiba

(Earthquake Research Institute, University of Tokyo)

and

Hiroshi Kobayashi

(Geographical Survey Institute)

The present report describes the seismological data of 1971 at Syowa Station. The data of the respective seismic events interpreted from the seismograms of HES and long-period seismographs are listed in chronological order.

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

Seismological observations up to the date of February 15, 1971 were carried out by one of the authors (H. Chiba), a member of the 11th Japanese Antarctic Research Expedition. For the succeeding period of February 16, 1971 to January 1972, H. Kobayashi, a member of the 12th expedition, undertook the observations.

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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). The data from long-period seismographs are denoted with LP.
3. Arrival time in G. M. T.
4. Period of the phase in seconds.
5. Trace amplitude in millimetres.

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

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

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
HES			
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
LP			
T ₂ (s)	20.0	20.0	20.0
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.

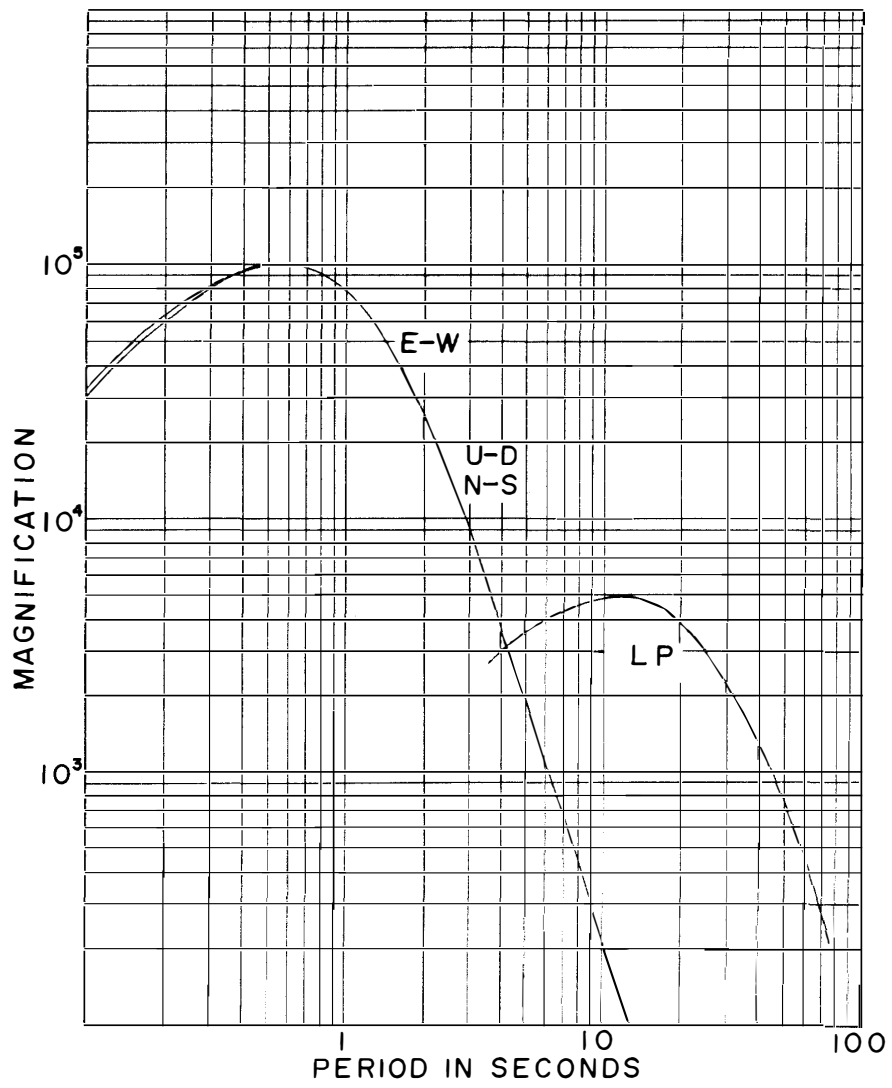


Fig. 1. Magnification curves of HES and long-period seismographs.

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
1971 January 01	+ ePE	05	22	37.2	1.5	2.0
	+ ePN			37.2	1.5	2.5
	+ eP			37.2	1.2	2.0
	+ iPE	08	11	00.2	1.0	1.5
	- iXE			11.2	1.8	1.0
	+ ePN			00.2	1.0	0.5
	+ iP			00.0	1.0	1.8
	+ iX			11.2	1.8	4.0
	- ePE	11	23	04.5	0.8	0.2
	- ePN			04.5	1.0	0.5
	+ eP			04.5	0.8	0.3
	+ ePE	16	38	35.1	1.0	0.2
	+ eP			35.1	1.0	0.2
	+ ePE	18	00	00.7	1.0	0.5
	+ ePN			00.8	1.0	0.5
	- iXN		01	14.2	1.3	1.0
	- eP		00	00.8	1.0	0.2
	- iX		01	14.2	1.3	1.0
	- ePE	18	12	24.8	0.8	0.5
	- ePN			24.8	0.8	0.2
	+ iP			24.8	0.8	1.2
	+ ePE	22	50	33.5	1.0	0.5
	- ePN			33.5	1.0	0.5
	- eP			33.5	1.0	0.7
	+ ePE	02 08	17	13.0	1.0	0.5
	- ePN			12.8	1.0	0.5
	- iP			12.8	1.0	3.0
	+ ePE	09	22	12.1	1.0	0.2
	+ ePN			12.1	1.0	1.0
	+ eP			12.1	1.0	0.7
	+ ePE	03 00	46	06.0	1.0	1.2
	- ePN			06.0	1.0	0.5
	+ eP			06.0	1.0	0.5
	LP + iPN	17	40	40.2	4.7	1.0
	+ iXN		44	57.2	14.1	11.0
	- iSN		46	42.2	22.5	10.0
	+ iPE	18	59	17.5	1.8	2.7
	- ePN			17.2	1.6	1.0
	+ iP			17.2	2.0	4.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
January 03	- ePE	22	08	11.9	1.0	0.5
	- eP			11.9	1.0	0.5
04	+ ePE	04	11	16.2	1.2	0.7
	- ePN			16.2	1.2	1.0
	+ eP			16.2	1.2	1.0
	- iPE	07	07	59.0	1.0	1.8
	- ePN			59.0	1.0	0.5
	- iP			59.0	1.0	2.2
	- ePE	11	20	34.2	1.0	0.5
	- iPN			34.2	1.0	1.5
	+ iP			34.5	1.0	1.0
05	- ePE	03	51	25.5	1.0	1.0
	+ iP			25.5	1.0	2.0
	- ePE	05	10	00.8	1.0	2.0
	- eP			00.8	1.0	1.8
	+ ePE	05	44	47.5	1.0	1.0
	+ eP			47.5	1.0	1.0
	- ePE	07	03	18.2	1.0	1.2
	- eP			18.3	1.0	1.8
	- iPE	07	50	23.3	1.0	1.2
	+ iP			23.2	1.0	2.8
	- ePE	08	14	24.0	1.0	1.0
	- ePN			23.9	1.0	0.2
	- eP			23.9	1.2	2.0
	+ ePE	22	26	09.1	1.0	1.2
	+ eP			09.1	1.0	1.0
	+ ePN	23	46	21.0	1.0	0.5
	+ eP			21.1	0.8	0.5
06	+ ePE	04	10	34.3	0.8	0.7
	+ iPN			34.5	1.0	1.8
	+ iP			34.4	0.8	1.0
	+ ePE	09	16	47.0	0.8	1.0
	- ePN			46.9	0.8	1.0
	+ eP			47.1	1.0	1.2
	- ePE	14	22	44.8	1.0	4.0
	- ePN			45.5	0.8	2.0
	+ eP			45.5	0.8	1.8
	- iPE	16	40	00.2	1.2	0.3
	+ ePN			00.2	1.2	3.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
January 06	+ iP	16	40	00.2	1.1	4.0
	- ePE	22	12	54.2	1.0	0.5
07	+ ePN			54.2	1.0	1.0
	+ eP			54.2	1.2	1.8
	+ ePE	23	09	08.9	1.0	0.3
	- ePN			09.2	1.0	0.2
	- eP			09.0	1.0	0.3
	+ ePE	02	48	40.2	1.0	1.0
	- ePN			40.2	1.0	0.7
	+ iP			40.2	0.9	1.5
	+ ePE	03	10	01.7	1.0	0.5
	+ ePN			01.5	1.0	0.3
	+ eP			01.5	1.0	1.0
	+ ePE	15	42	46.0	1.0	1.0
	- ePN			46.2	1.0	1.0
	+ iP			46.2	0.8	2.0
	+ ePN	16	55	42.0	1.0	0.5
	- eP			41.9	1.0	1.0
	+ ePE	18	10	38.5	1.5	1.0
	+ eP			38.5	1.5	1.0
08	+ ePE	20	02	55.1	1.0	0.2
	- eP			55.1	1.0	0.2
	+ ePE	09	33	19.3	1.3	2.5
	+ eP			19.3	1.5	3.5
	+ ePE	11	59	34.8	1.5	1.0
	+ eP			34.8	1.2	1.5
	- ePE	15	04	46.5	1.5	0.2
	- eP			46.5	1.5	1.0
	+ ePE	05	31	17.1	1.0	0.5
	- eP			17.1	1.0	0.5
09	+ ePE	07	36	51.3	1.1	0.8
	- ePN			51.3	1.0	0.5
	+ eP			51.5	1.0	0.5
	- ePE	18	00	39.5	0.8	0.5
	- eP			39.5	0.8	0.5
	+ ePE	01	59	04.2	1.0	0.5
	- ePN			04.2	1.0	0.2
	+ eP			04.2	1.0	0.3
	- ePE	02	59	16.8	1.0	1.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
January 10	+ ePN	02	59	17.0	1.0	0.5
	- eP			16.8	1.0	1.0
	+ ePE	03	52	00.3	1.0	2.0
	- ePN			00.5	1.0	0.3
	- eP			00.5	1.0	0.5
	- iPE	07	30	02.8	1.8	1.0
	+ iSE		40	58.0	4.0	9.0
	+ iSN			59.0	2.8	4.5
	+ iP		30	02.8	2.0	2.5
	+ iS		40	58.8	4.0	12.0
	LP - ePE		30	04.7	6.0	0.2
	- iSE		41	03.8	13.5	0.2
	- iPN		30	04.7	6.0	0.5
	- iPPN		33	04.7	10.3	2.5
	- ipPN		41	03.8	13.5	12.5
	- iPSN		42	24.3	15.0	12.5
	+ iP		30	04.7	6.0	2.2
	+ iPP		33	04.7	10.3	4.5
	- iS		41	03.8	14.1	3.5
	+ iSP		42	20.6	15.0	27.0
	- iPE	07	56	46.0	1.5	1.5
	- iPN			46.0	1.0	0.5
	- iP			46.2	1.8	8.5
	- iPE	08	27	33.3	1.2	1.5
	+ ePN			33.3	1.0	0.5
	+ iP			33.3	1.2	4.0
	+ ePE	10	09	45.9	0.8	1.0
	+ ePN			46.0	0.8	1.0
	+ iP			45.8	0.8	1.0
	+ ePE	10	17	05.2	1.5	0.5
	+ eP			05.2	1.2	0.7
	+ ePE	10	58	06.2	1.5	1.0
+ ePN			06.0	1.0	0.5	
- eP			06.0	2.0	2.0	
- ePE	11	56	07.5	1.2	1.5	
- iP			07.2	1.2	1.5	
- iPE	14	42	56.2	2.0	1.5	
+ iP			56.2	2.0	6.5	
- ePE	14	50	21.5	1.5	0.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
January 10	+ eP	14	50	21.5	2.0	2.0
	- ePE	16	20	45.0	1.0	1.0
	- ePN			45.0	1.0	0.2
	- iP			45.0	1.0	0.5
	+ ePE	16	37	17.5	1.3	1.5
	- ePN			17.5	1.3	0.2
	+ iP			17.5	1.8	1.2
	+ iPE	16	51	36.0	2.0	2.5
	+ ePN			36.0	2.0	0.5
	+ iP			35.8	1.8	2.5
	- ePE	17	07	18.0	1.5	1.0
	+ ePN			18.2	1.0	0.2
	+ eP			18.2	1.5	1.0
	- ePE	17	21	22.5	0.8	0.5
	+ iP			22.8	0.8	1.5
	+ ePE	17	24	47.2	1.8	0.7
	- eP			47.2	2.0	3.5
	- ePE	18	07	26.0	1.0	1.0
	- ePN			25.8	1.0	1.0
	- eP			26.0	1.0	0.5
	+ ePE	19	26	36.0	1.2	0.5
	- ePN			36.0	1.0	0.2
	- iP			36.0	1.2	1.2
	+ ePE	19	47	21.5	1.5	1.5
	- eP			21.5	1.8	2.5
	+ iPE	20	24	41.2	1.0	1.0
	- iP			41.2	1.0	3.0
	- iPE	22	27	36.8	2.0	1.0
	- iPN			36.8	2.0	0.5
	+ iP			36.8	2.1	3.0
	+ iPE	23	37	46.0	1.8	4.0
	- ePN			45.5	1.8	0.2
+ iP			45.5	1.8	3.0	
- ePE	00	33	25.0	2.0	1.5	
+ eP			25.0	2.0	1.5	
+ ePE	02	39	03.5	1.0	0.5	
+ ePN			03.5	1.2	0.3	
- eP			03.5	1.2	0.5	
+ ePE	04	45	06.0	1.0	0.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
January 11	- ePN	04	45	05.8	1.0	0.2
	+ eP			05.8	1.0	0.5
	- ePE	07	48	32.5	1.0	0.2
	+ eP			32.5	1.0	0.5
	- ePE	08	00	17.8	1.5	0.3
	+ ePN			17.8	1.5	0.3
	+ eP			17.8	1.8	1.8
	+ ePE	11	11	30.0	0.8	1.0
	+ ePN			30.0	0.8	0.2
	- eP			29.9	0.8	0.5
	- ePE	15	02	16.5	1.5	0.5
	+ eP			16.5	1.5	1.5
	+ ePE	17	02	04.5	1.0	0.3
	- ePN			04.5	1.0	0.2
	+ eP			04.2	1.3	0.5
	- ePE	17	12	30.0	1.0	0.5
	- eP			30.0	1.0	0.5
	+ ePE	20	09	15.2	0.8	0.5
	- ePN			15.2	0.8	0.2
	- eP			15.2	0.8	0.5
	- ePE	01	09	47.7	1.0	0.5
	+ eP			47.7	0.8	0.5
	- ePE	03	28	04.0	1.0	0.5
	+ ePN			04.2	1.0	0.3
	+ eP			04.0	1.0	0.5
	+ ePE	07	23	41.0	0.9	1.2
	+ ePN			41.0	1.0	0.5
	+ eP			41.0	0.8	1.0
	- ePE	07	48	29.0	1.5	0.5
	- ePN			29.2	1.5	0.2
	- eP			29.2	1.5	0.5
	- ePE	11	28	10.2	1.2	0.5
- ePN			10.0	0.8	0.5	
- eP			10.2	0.8	0.5	
- ePE	15	10	10.5	2.0	3.0	
- ePN			10.5	1.2	0.5	
+ eP			10.5	2.0	7.5	
- ePE	23	49	50.0	1.0	0.5	
- eP			50.8	1.0	1.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
January 13	+ ePE	11	05	46.0	1.5	0.5
	+ eP			46.0	1.6	1.8
14	- ePE	06	33	42.2	0.8	1.0
	- ePN			42.2	0.8	0.5
	+ eP			42.2	0.8	0.5
	- ePE	09	34	56.5	1.0	1.0
15	+ iP			56.8	1.0	1.5
	+ ePE	00	03	04.1	1.0	0.5
	- eP			04.1	1.0	2.5
	- ePE	03	48	32.1	1.0	0.8
	- iPN			32.1	1.0	0.5
	+ iP			32.1	1.0	2.5
	+ ePE	07	26	26.5	0.7	0.2
	- ePN			26.5	0.7	0.2
	+ eP			26.5	0.7	0.5
	+ ePE	09	21	21.2	1.0	1.5
	+ ePN			21.2	1.2	1.0
	+ eP			21.2	1.2	1.0
	- ePE	12	14	02.0	1.0	1.0
	+ ePN			02.0	1.2	0.5
	+ eP			02.0	1.0	1.0
	- ePE	14	03	14.0	1.0	0.5
	- ePN			14.0	1.0	0.5
	- eP			14.0	1.0	0.5
	+ ePE	18	19	57.2	1.0	1.0
	- ePN			57.2	1.0	0.5
	+ eP			57.2	1.0	2.0
	+ iPE	19	44	18.1	1.5	1.8
	+ iPN			18.1	0.9	2.0
	+ iP			18.0	0.9	2.0
	+ iX			34.2	1.0	6.0
	- iPE	21	56	58.5	1.0	1.0
	+ ePN			58.7	1.0	1.0
	+ iP			58.5	1.2	1.0
16	+ ePE	11	27	27.2	1.0	1.0
	- ePN			27.2	1.0	0.2
	+ eP			27.2	1.0	1.0
	- iPE	12	46	08.0	1.0	8.5
	- iSE		51	10.2	1.5	2.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
January 16	- iPN	12	46	08.0	1.0	1.0
	- iSN		51	10.2	1.5	2.0
	+ iP		46	08.0	1.0	12.5
	- iS		51	10.8	1.5	1.2
	- iPE	12	52	31.2	1.0	1.5
	- ePN			31.2	1.0	0.5
	+ iP			31.3	1.0	3.0
	- ePE	17	00	46.0	1.0	0.5
	+ ePN			45.8	1.0	0.5
	+ eP			46.0	0.8	0.5
	- ePE	21	07	26.2	1.0	0.2
	- eP			26.2	1.0	1.0
17	- ePE	09	10	26.2	1.0	0.2
	+ eXE			33.8	1.0	2.0
	- ePN			26.2	1.0	1.5
	+ iXN			33.8	0.9	7.0
	+ eP			26.0	1.0	0.5
	+ iX			33.8	0.9	4.5
	+ ePE	22	58	32.1	1.0	1.0
	+ ePN			32.4	1.0	0.3
	+ eP			32.1	1.0	0.5
	+ iPE	00	16	27.2	0.8	0.3
18	- iP			27.2	0.8	0.5
	- ePE	05	28	30.8	1.2	0.5
	- ePN			30.8	1.2	0.5
	+ eP			30.8	1.2	1.5
	+ ePE	06	05	16.7	1.2	1.0
	- ePN			16.5	1.2	0.5
	- iP			16.5	1.2	2.0
	+ ePN	11	37	55.8	1.0	0.3
	+ eP			55.8	1.0	0.5
	- ePE	16	56	32.0	1.1	1.5
	- ePN			32.0	1.0	0.5
	+ eP			32.0	1.0	0.5
	- iPE	21	10	39.5	1.0	0.5
	+ ePN			39.7	1.0	0.5
	+ iP			39.5	1.0	2.0
	- ePE	03	36	03.5	1.5	0.5
19	- ePN			03.8	1.5	0.2

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
January 19	+ eP	03	36	03.8	1.5	1.5	
	+ ePE	08	48	06.2	1.0	0.5	
	- ePN			06.0	1.0	0.5	
	- eP			06.0	1.0	0.5	
	+ ePE	12	42	09.3	0.8	1.0	
	- ePN			09.4	0.8	1.0	
	+ eP			09.5	0.8	1.0	
	+ ePE	22	44	31.2	0.8	1.0	
	- ePN			31.2	0.8	0.5	
	+ iP			31.2	0.8	2.2	
	- ePE	23	45	48.3	0.6	1.0	
	+ ePN			48.3	0.6	1.0	
	+ eP			48.5	0.6	1.0	
	+ iPE	01	29	11.0	1.0	1.0	
	+ iPN			11.0	0.8	1.2	
	+ iP			10.9	0.8	1.5	
	- ePE	04	03	31.6	1.2	0.5	
	- ePN			31.5	1.2	0.5	
	- eP			31.5	1.2	1.0	
20	+ ePE	11	12	40.2	1.0	0.5	
	+ ePN			40.3	1.0	1.0	
	- eP			40.2	1.0	0.5	
	+ ePE	21	34	35.5	0.9	0.5	
	+ iXE			39.3	0.9	2.5	
	+ ePN			35.5	0.9	0.5	
	- eP			35.5	0.9	1.0	
	- iX			39.5	0.9	0.5	
	+ ePE	21	41	40.0	1.1	1.0	
	+ ePN			40.2	1.0	0.8	
	+ eP			40.0	1.0	1.0	
	- ePE	22	08	03.5	1.1	1.0	
	- ePN			03.5	1.0	0.5	
	- iXN			05.9	1.0	3.8	
	- eP			03.5	1.0	0.5	
	+ iX			06.0	1.6	4.5	
	21	+ ePE	02	30	38.3	1.0	0.3
		+ eP			38.5	1.0	0.5
		- ePE	06	30	24.8	1.0	0.5
- ePN				24.8	1.0	0.3	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
January 21	+ iP	06	30	24.8	1.0	1.0
	- iPE	12	36	50.1	1.0	1.5
	- iPN			50.1	1.0	2.0
	- iP			50.1	1.0	2.2
	- iX			59.6	1.0	4.2
	- iPE	14	00	53.3	1.0	1.5
	- ePN			53.3	1.0	0.2
	+ iP			53.3	1.0	1.5
	+ iPE	14	05	01.1	1.0	0.5
	- iXE		05	02.3	0.9	2.0
	- iSE		14	55.3	1.9	4.5
	+ iPN		05	01.0	1.0	0.8
	- iXN			02.1	0.9	4.5
	- iSN		14	55.3	1.8	3.5
	+ iP		05	01.1	1.0	1.5
	- iX			02.3	0.9	7.0
	- iS		14	55.3	1.8	1.2
	- iPE	17	31	23.6	1.0	3.0
	- iSE		41	06.2	2.1	3.0
	+ ePN		31	23.6	1.0	0.5
	+ iSN		41	06.2	1.9	6.5
	+ iP		31	23.5	1.0	6.2
- eS		41	05.9	2.0	2.0	
22	+ ePE	06	50	24.9	1.3	0.5
	- iPN			24.9	1.3	0.5
	+ iP			24.9	1.5	1.5
	- ePE	20	12	49.3	1.0	0.5
	+ eP			49.3	1.0	1.5
	- ePE	21	28	02.6	1.0	0.8
	- ePN			02.6	1.0	0.2
	+ eP			02.6	1.0	0.2
	+ ePE	21	49	18.3	1.2	0.5
	+ eP			18.3	1.2	0.8
23	- ePE	05	27	49.4	1.0	0.3
	- ePN			49.4	1.0	0.5
	+ eP			49.4	1.0	1.0
	+ ePE	07	12	27.7	1.0	1.0
	- ePN			28.0	0.8	0.5
	+ eP			28.0	0.8	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)		
		h	m	s				
January 23	+ ePE	22	05	05.8	1.2	0.5		
	+ ePN			05.8	1.2	0.5		
24	- eP	06	54	05.8	1.2	0.8		
	- ePE			31.5	0.8	1.0		
	- ePN			31.5	1.0	1.0		
	+ eP			31.5	0.8	0.5		
25	- ePE	13	48	10.8	1.0	0.5		
	+ eP			10.9	1.0	2.0		
	- ePE	00	31	14.2	1.0	0.5		
	- eSE			41	48.2	3.0	1.2	
	- ePN	41	48.2	14.2	1.0	0.5		
	+ eSN			41	48.2	2.0	1.2	
	+ iP	31	14.2	14.2	1.0	2.0		
	LP - eSE			41	07.5	11.2	0.3	
	- eSN	41	07.5	07.5	9.4	0.3		
	+ iP			31	18.0	5.6	0.6	
	- eS	41	07.5	07.5	8.4	0.3		
	- ePE			12	54	30.0	1.0	0.5
+ ePN	30.0	1.0	30.0			1.2	1.0	
- eP			30.0	1.0	30.0	1.0	1.0	
- ePE	16	28			01.2	1.2	0.5	
- ePN			01.2	1.0	0.5			
26	+ eP	05	50	01.2	1.5	1.8		
	+ ePE			13.7	1.0	0.5		
	+ eP			13.7	1.0	2.8		
	+ ePE			09	59	40.0	1.1	1.0
	+ ePN					40.0	1.0	1.0
	- iXN			43.8	1.0	2.0		
	+ eP			40.0	1.0	0.5		
	- ePE			14	24	18.2	1.0	4.5
+ ePN	18.3	0.9	2.0					
27	+ eP	16	18	18.2	0.9	0.8		
	+ ePE			40.2	1.0	1.0		
	+ eP			40.2	1.0	0.5		
	- ePE			00	00	59.0	1.6	2.0
	- ePN					59.0	1.8	2.5
	+ iP			59.0	1.8	5.0		
28	+ ePE	00	00	59.0	1.8	5.0		
	- ePE			59.0	1.6	2.0		
29	+ ePE	16	55	18.2	1.0	0.2		
	+ ePN			18.2	1.0	1.0		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)		
		h	m	s				
January 29	+ eP	16	55	18.2	1.0	0.8		
	+ iP			22	16	37.1	1.1	12.5
30	+ eSE	22	27	25	53.0	2.0	2.0	
	+ ePN			16	36.9	0.9	0.5	
	- iSN			25	53.2	1.8	2.0	
	- iP			16	36.9	1.2	30.0	
	+ eS			25	53.0	1.9	4.5	
	LP + ePE			16	36.6	9.4	0.2	
	+ ePN			36.6	9.4	0.5		
	- iP			36.6	10.3	2.2		
	+ ePE			22	34	32.0	1.0	1.2
	- ePN					32.0	1.0	2.0
	+ iP			32.0	0.9	2.5		
	- ePE			22	34	41.0	0.8	0.5
	- ePN			41.0	0.8	1.0		
	+ iP			41.0	0.8	2.0		
	+ ePE			23	49	51.5	1.2	0.2
	- ePN					51.5	1.0	0.5
	+ eP			51.5	1.5	1.0		
	- ePE			01	58	27.4	0.8	0.2
+ ePN	27.4	1.0	1.0					
+ eP	27.4	1.0	1.0					
+ ePE	18	41	51.0	1.0	0.5			
- ePN			51.0	1.0	0.5			
+ eP	51.0	1.0	1.0					
+ ePE	23	40	12.9	0.9	0.5			
+ ePN			12.9	0.9	0.5			
- eP	12.9	1.0	1.0					
- ePE	23	58	06.0	1.0	1.0			
- ePN			06.0	1.0	1.0			
+ eP	06.1	1.0	1.8					
February 01	- ePE	06	27	05.0	1.0	0.5		
	- iP			05.0	1.0	1.0		
	+ iP			05.0	0.9	2.0		
02	+ ePE	15	09	24.5	1.2	1.5		
	+ ePN			24.5	1.2	1.0		
	+ iP			24.3	1.0	1.5		
02	- ePE	05	27	56.8	0.8	1.0		
	- ePN			56.8	0.8	0.5		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
February 08	- iPE	21	11	26.2	1.3	3.5	
	+ iPN			26.2	1.5	3.5	
	- iP			26.2	1.2	6.5	
	LP - iPE		11	26.3	11.2	1.0	
	+ iPPE		12	44.0	12.0	2.8	
	- iSE		17	15.0	15.0	13.0	
	- iPN		11	26.3	11.2	0.5	
	+ iPPN		12	44.0	12.0	1.5	
	- iSN		17	15.0	15.0	9.3	
	- iP		11	26.3	11.2	2.3	
	+ iPP		12	44.0	12.0	3.8	
	09	- ePE	03	46	58.5	1.0	1.0
		- ePN			58.7	1.0	1.5
		- eP			58.5	1.0	1.0
	10	+ ePE	08	34	29.6	1.0	1.5
- ePN				29.5	1.0	1.0	
11	+ eP			29.5	1.0	1.0	
	+ ePE	07	36	13.0	0.8	0.5	
	+ ePN			13.0	1.0	0.2	
	- eP			13.0	1.0	0.5	
	- ePE	23	05	28.2	0.8	0.8	
12	+ ePN			28.2	1.0	1.0	
	- eP			28.2	0.8	1.0	
	- iP	19	19	40.8	1.5	2.0	
	+ iPE			40.8	1.0	4.0	
13	- iPN	08	40	07.0	1.0	3.0	
	- iP			06.9	1.0	2.5	
	+ ePE	22	22	29.2	1.1	2.0	
	+ ePN			29.2	1.0	0.2	
	- iP			29.2	1.1	3.2	
14	+ ePE	08	43	48.2	1.0	2.5	
	+ iPN			48.2	0.9	2.0	
	- iP			48.2	0.9	4.5	
15	+ iPE	08	32	17.8	1.3	1.4	
	- iSE		41	36.5	2.5	3.0	
	+ iPN		32	17.8	1.2	0.8	
	+ iSN		41	36.5	2.5	6.5	
	- iP		32	17.8	1.2	3.5	
	+ eS		41	36.5	2.5	5.0	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
February 16	Extreme microseismic activity						
17	Extreme microseismic activity						
18	+ iPE	07	27	57.7	1.0	1.0	
	- iPN			57.7	1.0	1.2	
19	+ iP			57.7	0.9	9.5	
	- ePE	01	01	30.9	1.0	1.2	
	+ eP			30.9	1.0	0.5	
20	- ePN	19	29	10.8	1.0	0.5	
	+ eP			10.8	1.0	0.5	
	- ePE	09	17	12.0	1.0	1.0	
	+ ePN			12.0	1.0	1.0	
	+ eP			12.0	1.0	4.0	
	+ ePE	18	52	14.8	1.0	0.5	
	+ ePN			14.8	1.0	0.5	
21	- eP			14.8	1.2	0.5	
	- ePE	21	33	21.8	1.0	1.0	
	- ePN			21.8	1.0	2.0	
	+ eP			21.8	1.0	1.0	
	+ ePE	10	46	34.8	1.2	4.5	
	+ eSE		55	49.8	3.0	3.0	
	- ePN		46	34.6	1.5	4.0	
	+ eSN		55	49.8	2.5	5.5	
	- eP		46	34.6	1.0	2.0	
	+ eS		55	50.0	3.0	1.5	
22	LP + iSE		55	54.4	15.0	2.7	
	+ ePN		46	50.6	11.2	0.5	
	- iSN		55	54.4	15.0	2.2	
	- eP		46	50.6	13.5	1.5	
	- eS		55	57.2	16.8	2.0	
	+ ePE	11	14	13.7	1.5	2.0	
	+ ePN			13.7	1.5	2.5	
	- eP			13.7	1.5	2.2	
	- ePE	23	37	35.3	0.8	1.0	
	- ePN			35.3	0.8	0.5	
	+ eP			35.3	1.0	1.0	
	23	- ePE	02	00	24.7	0.8	0.5
+ ePN				24.7	0.8	0.5	
+ eP				24.7	0.8	0.5	
+ ePE		07	19	34.7	1.2	3.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
February	23	- ePN	07	19	34.7	1.0	0.5
	+ eP			34.7	1.0	2.5	
	- ePE	08	28	42.3	1.0	0.5	
	+ ePN			42.3	1.0	0.5	
	- eP			42.3	1.0	1.5	
	- ePE	17	17	10.7	1.0	0.5	
	- ePN			10.7	1.0	1.0	
	- eP			10.7	1.0	1.0	
	+ iPE	20	01	06.2	0.8	0.8	
	- ePN			06.2	1.0	0.5	
	+ iP			06.2	1.0	0.8	
	24	Extreme microseismic activity					
	25	+ ePE	05	10	20.0	1.5	0.8
+ ePN				20.0	1.5	1.0	
- eP				20.0	1.5	1.0	
26	+ ePE	05	08	43.5	1.2	2.0	
	+ iP			43.3	1.2	1.0	
	+ ePE	09	05	57.1	1.0	1.2	
	+ ePN			57.1	1.0	0.8	
	- eP			57.1	1.0	1.2	
27	- ePE	00	17	44.5	1.0	1.2	
	- iPN			44.5	1.0	2.0	
	+ iP			44.5	1.0	2.0	
	- ePE	01	59	02.8	1.0	1.5	
	+ ePN			02.8	1.0	1.2	
	+ eP			02.8	1.0	1.2	
	- ePN	00	59	25.3	0.8	0.2	
28	+ iP			25.3	0.8	0.8	
	- ePN	02	05	20.8	1.0	2.0	
	+ eP			20.8	1.0	0.5	
	Extreme microseismic activity						
	March	01	- iPE	00	53	33.0	0.8
02	+ iPN			33.0	0.8	0.7	
	- iP			33.0	0.8	1.2	
	- ePN	06	54	56.5	0.8	0.7	
	+ iSN	07	04	02.1	1.0	6.0	
	- iP	06	54	56.5	0.8	1.0	
	+ iS	07	04	02.1	0.9	2.0	
	+ ePN	19	02	06.8	0.8	1.0	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)		
		h	m	s				
March	02	+ eP	19	02	06.8	0.8	0.5	
	03	+ ePN	22	13	20.9	0.9	1.0	
		- iXN		14	40.3	0.9	1.0	
		+ eP		13	20.9	0.9	1.0	
	04	Extreme microseismic activity						
	05	+ iPE	01	11	53.1	0.8	0.9	
		+ eSE		14	53.1	0.9	0.9	
		+ iPN		11	53.1	0.9	1.0	
		+ eSN		14	53.0	1.0	1.0	
		- iP		11	53.1	0.8	1.0	
		+ eS		14	53.0	0.9	0.5	
		+ ePE	22	10	07.0	0.5	0.3	
		- eSE			23.5	0.7	2.0	
		+ ePN			07.0	0.5	1.0	
		+ eSN			23.5	0.7	0.3	
		+ eP			07.0	0.5	0.2	
		- eS			23.5	0.8	0.8	
		+ ePE	22	55	37.5	0.5	0.2	
		+ eSE		58	37.0	1.0	0.5	
		- ePN		55	37.5	0.5	0.3	
	- eSN		58	37.0	1.0	0.3		
	+ eP		55	37.5	0.8	0.2		
	+ eS		58	37.0	1.0	0.3		
06	- iPE	22	25	04.6	0.7	1.0		
	+ iSE			38.5	1.0	1.2		
	+ iPN			04.5	0.7	1.0		
	+ iSN			38.8	1.0	1.0		
	- iP			04.5	0.7	0.5		
	+ iS			38.6	1.0	0.5		
	- ePN	01	41	27.1	0.9	0.3		
	- eP			27.1	0.8	0.3		
	- ePE	20	43	28.0	0.7	1.2		
	+ ePN			28.0	0.6	1.8		
08	+ eP			28.0	0.7	0.5		
	- ePE	17	32	22.9	0.6	2.0		
	- ePN			22.9	0.6	0.5		
	- eP			22.9	0.4	0.3		
	+ ePN	23	52	30.0	0.6	0.7		
	+ eP			30.0	0.6	0.2		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
March 09	+ ePE	02	08	06.2	0.5	1.0
	+ ePN			06.2		
	- eP	07	53	06.2	0.5	0.3
	+ ePN			24.2		
	- iP	04	10	24.2	0.9	1.2
	+ ePE			24.2		
10	- ePN	05	52	39.0	0.8	0.3
	+ eP			39.0		
	- ePE	07	30	39.0	0.8	0.4
	- ePN			39.0		
11	+ iP	08	38	11.5	1.0	0.8
	- ePE			11.5		
	- ePN	08	28	11.5	1.0	0.3
	+ iP			11.5		
	- ePE	14	51	49.5	0.8	1.5
	- ePN			49.5		
	- eP	16	39	49.5	0.7	0.5
	- iSE			49.5		
	+ ePN	19	55	46.8	1.2	2.0
	+ eP			46.8		
	- iP	08	53	41.2	0.7	0.3
	+ ePN			41.2		
	- eP	23	07	41.2	0.6	0.2
	- iS			41.2		
	+ ePE	08	53	40.2	1.2	1.0
	- ePN			40.2		
	- eP	12	07	40.2	1.0	0.5
	+ ePE			40.2		
	+ ePN	16	39	40.2	1.0	0.5
	+ eP			40.2		
	- ePE	19	55	33.9	0.8	0.3
	+ ePN			33.9		
	+ eP	12	07	33.9	1.0	0.2
	- ePN			33.9		
	- ePE	08	53	15.9	1.0	0.2
	- ePN			15.9		
	- eP	12	07	15.9	1.0	0.2
	+ ePE			15.9		
	+ ePE	08	53	27.1	1.0	0.5
	- ePN			27.1		
	+ eP	23	07	27.1	1.0	1.5
	- ePN			27.1		
	+ ePE	12	07	07.0	1.0	0.5
	- iXE			07.0		
	- ePN	12	07	07.8	1.0	7.2
	+ iP			07.8		
	- ePN	12	07	05.8	1.0	1.0
	- iXN			05.8		
	+ eP	12	07	12.3	1.0	4.0
	+ eX			12.3		
	- ePE	07	04	07.0	1.0	0.5
	- eP			07.0		
13	+ ePE	16	00	12.6	1.0	2.0
	- ePE			12.6		
	- eP			09.8		0.8
	+ ePE			09.8		0.5
				39.2		1.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
March 13	+ ePN	16	00	39.1	1.2	1.0
	- iP			39.1		
	- ePE	19	25	12.3	0.8	2.0
	- iPN			12.5		
	- iP	19	35	12.4	0.8	1.5
	- iX			12.4		
	+ iPE	19	35	39.7	1.0	6.2
	+ iPN			39.7		
	+ iP	00	12	53.6	1.7	1.5
	+ ePN			53.6		
14	- eP	04	32	53.7	1.5	2.5
	+ ePE			53.7		
	+ ePN	06	21	54.9	2.0	1.5
	- eP			54.9		
	+ ePE	12	34	18.6	1.2	2.0
	+ ePN			18.6		
	- eP	12	34	18.7	1.0	1.0
	+ ePE			18.7		
	+ ePN	13	53	00.9	0.8	1.0
	- eP			00.9		
	- ePE	15	29	00.9	0.8	1.0
	+ ePN			00.9		
	- ePN	06	21	00.9	0.8	0.3
	- eP			00.9		
	- ePN	12	34	37.9	1.0	0.2
	+ eP			37.9		
	- ePN	12	34	37.9	1.0	0.5
	+ ePE			37.9		
	- ePE	12	34	57.0	0.9	0.7
	+ ePN			57.0		
	+ ePN	13	53	57.2	0.9	0.5
	+ iP			57.2		
	+ ePE	13	53	57.1	0.9	0.5
	+ ePN			57.1		
	- ePN	15	29	05.9	0.8	0.8
	+ ePE			05.9		
	+ eP	15	29	05.9	1.0	1.5
	- ePN			05.9		
	+ ePE	15	29	06.1	0.8	0.8
	+ eP			06.1		
	+ ePE	15	29	40.9	1.0	1.5
	- ePN			40.9		
	- ePN	15	29	40.9	0.9	1.0
	+ eP			40.9		
	+ ePE	06	45	40.9	0.9	1.0
	- ePN			40.9		
15	- ePE	06	45	21.4	1.0	0.3
	- ePN			21.4		
	- eP	18	54	21.6	1.0	1.5
	- ePN			21.6		
	- eP	18	54	21.3	1.0	0.3
	- iPE			21.3		
	- iPN	18	54	48.2	0.8	1.0
	+ iP			48.2		
	+ ePE	19	11	48.3	0.8	1.2
	+ iPN			48.3		
	+ iP	19	11	48.1	0.8	1.2
	+ ePE			48.1		
	+ ePN	19	11	04.9	0.8	1.0
	+ eP			04.9		
	- iP	21	04	04.9	0.8	1.0
	- ePE			04.9		
	- ePE	21	04	23.5	1.1	1.6
	- iPN			23.5		
	+ iP	21	04	23.5	1.2	2.0
	- ePE			23.5		
	+ ePN	21	04	23.5	1.2	2.5
	- eP			23.5		
16	+ ePE	12	45	35.1	1.3	1.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
March 16	+ ePN	12	45	35.1	1.7	1.5
	+ eP			35.1	1.8	1.0
	+ ePE	20	48	45.4	1.2	4.0
	- ePN			45.4	1.2	1.2
17	- eP			45.4	1.2	3.6
	- ePE	10	00	58.6	1.0	2.0
	+ ePN			58.6	1.0	2.0
	- eP			58.6	1.0	0.3
18	- ePN	03	32	43.5	1.0	0.8
	- eP			43.5	0.9	0.5
	+ ePN	07	06	47.5	0.8	0.5
	+ eP			47.5	0.8	0.5
	+ iPE	07	48	45.0	0.8	5.5
	+ iPN			45.0	0.8	10.0
	+ iP			45.0	0.8	1.5
	- ePN	03	14	09.5	1.0	1.0
19	+ eP			09.5	0.8	0.3
	- ePE	04	54	19.8	0.7	1.0
	+ ePN			19.8	0.7	0.2
	+ eP			19.8	0.7	0.2
	- ePE	11	23	04.9	1.0	0.5
	- ePN			04.9	1.0	0.3
	- eP			04.9	1.0	0.5
	+ ePE	08	21	26.4	1.0	0.7
20	+ ePN			26.4	0.8	0.7
	- eP			26.4	0.8	0.3
	- ePE	09	56	43.7	0.8	0.5
	- eP			43.7	0.8	0.2
	- ePE	15	24	35.9	1.0	0.8
	+ ePN			35.9	0.9	0.6
	+ eP			35.9	1.0	0.2
	+ ePE	22	08	20.4	0.8	1.0
	+ ePN			20.4	0.8	0.2
	- eP			20.4	0.8	0.2
21	+ ePE	00	03	43.4	1.0	0.2
	+ ePN			43.4	1.0	0.3
	+ eP			43.4	1.0	0.2
	+ ePE	08	02	31.5	0.8	0.5
22	+ ePN			31.5	0.8	1.2

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
<u>March</u> 22	- eP	08	02	31.5	0.8	0.2
23	- iPE	02	27	56.3	1.0	2.0
	+ iPN			56.3	1.0	2.5
	+ iP			56.3	1.0	2.0
	- ePN	09	46	15.3	1.0	0.5
	- eP			15.3	1.0	0.5
	+ ePN	02	39	18.5	1.5	0.7
24	+ iP			18.5	1.8	1.0
	+ iX			33.4	1.8	3.5
	- ePN	23	20	32.6	0.4	0.3
	+ eP			32.6	0.4	0.2
25	Extreme microseismic activity					
26	- ePN	00	49	14.5	0.8	0.5
	+ eP			14.4	0.8	0.5
	- ePN	09	17	39.4	1.0	0.3
	+ eP			39.4	1.0	0.5
	+ ePE	23	24	50.3	1.0	0.5
	+ eP			50.3	1.0	0.5
27	+ ePN	02	37	35.2	1.0	0.5
	- eP			35.2	1.0	0.5
28	- ePE	08	36	19.0	1.0	0.5
	+ eP			19.0	1.0	0.5
	+ iPE	18	08	58.4	1.1	1.1
	- iP			58.4	1.0	0.5
	+ ePE	21	27	35.2	0.7	1.3
	+ ePN			35.2	0.8	1.2
	- eP			35.2	0.7	0.3
	- ePN	00	19	24.7	1.0	1.0
29	+ eP			24.7	0.8	0.5
	+ ePE	06	38	25.0	1.0	0.5
30	+ ePN			25.0	1.0	0.5
	+ eP			24.7	1.0	0.5
	- ePE	11	50	37.5	1.0	0.5
	- iP			37.5	1.0	0.8
	+ ePN	12	11	07.7	0.8	0.5
	- eP			07.7	0.8	0.3
31	- ePE	08	16	10.1	1.0	3.5
	+ ePN			10.1	1.0	0.6
	+ eP			10.1	0.8	0.3

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)		
		h	m	s					h	m	s				
March	31	+ ePE	10	58	09.8	1.2	0.3	April	03	+ ePN	00	13	49.0	1.0	0.5
		- iP			09.8	1.1	1.5			+ eP			49.0	1.0	0.5
April	01	- ePE	11	45	08.2	1.0	4.0	- ePE	04	45	50.7	1.0	0.5		
		- ePN			08.2	1.0	4.0	+ iP			50.7	0.9	1.5		
		+ iP			08.1	1.0	2.0	- ePN	01	18	43.2	0.9	0.5		
		+ ePN	00	23	28.5	1.0	0.3	+ eP			43.2	0.9	0.5		
		+ eP			28.5	1.0	0.5	+ iP	10	25	03.0	1.0	0.5		
		- ePN	05	48	19.5	1.0	0.3	+ iP			03.0	1.0	1.5		
		+ eP			19.5	1.0	0.3	+ ePE	23	54	42.8	1.0	1.5		
		+ ePE	16	00	42.1	1.0	6.5	+ iP			42.8	1.0	1.5		
		- ePN			42.1	0.8	5.0	- iP			42.8	1.0	2.5		
		+ eP			42.1	1.0	0.8	+ ePN	02	51	43.8	1.0	0.2		
		- ePE	19	49	41.9	1.0	4.0	+ eP			43.8	1.2	0.5		
		+ ePN			41.9	1.0	0.5	+ ePN	05	15	00.5	1.0	1.0		
	- iP			41.9	1.0	1.5	- iP			00.4	1.0	3.5			
	02	+ iPE	02	52	11.3	0.9	1.8	+ iP	09	24	20.2	1.5	3.5		
		- iP			11.3	0.9	0.8	+ iX			58.0	1.5	2.0		
		+ iP			11.3	0.9	1.2	+ ePN	13	11	19.2	1.0	0.3		
		- ePE	05	12	19.1	1.5	1.0	+ eP			19.2	1.0	0.5		
		+ eP			19.1	1.6	1.0	+ ePN	13	42	23.2	1.0	1.5		
		- ePE	18	10	41.4	0.8	2.5	+ eP			23.2	1.0	1.0		
		- ePN			41.5	0.8	0.5	+ ePE	04	39	59.2	1.0	1.5		
		+ eP			41.5	1.0	0.5	+ ePN			59.5	1.0	1.5		
		+ ePE	20	04	23.5	1.0	0.8	+ eP			59.5	1.0	0.8		
		+ ePN			23.5	1.0	0.5	+ iPE	11	18	03.0	1.0	8.5		
		- eP			23.5	1.0	0.5	+ iP			03.0	1.0	8.8		
		- ePE	20	44	44.0	0.8	1.5	- iP			03.0	1.0	11.0		
		- ePN			44.0	0.8	2.0	+ ePE	11	20	08.5	1.2	4.5		
		- eP			44.0	1.0	1.0	+ ePN			08.5	1.0	5.0		
		- ePE	20	47	48.7	0.8	1.0	- eP			08.5	1.1	3.0		
- ePN				48.7	0.8	0.5	+ ePE	15	42	52.2	1.1	0.5			
+ eP			48.7	0.8	1.0	+ ePN			52.2	1.0	2.0				
+ ePE	22	41	38.7	0.8	0.5	- iP			52.2	0.9	1.5				
- ePN			38.7	0.9	0.5	+ iPE	15	52	23.4	1.0	6.0				
+ eP			38.7	0.9	0.5	+ iP			23.2	1.0	7.0				
03	+ ePE	00	10	11.5	1.0	1.2	+ iP			23.2	1.1	1.0			
	+ ePN			11.5	1.0	2.5	+ ePE	05	12	39.2	1.5	4.5			
	+ eP			11.5	1.0	1.2	- iP			39.2	1.8	3.2			
	+ ePE	00	13	49.0	1.0	0.5	- iPE	15	21	19.0	1.0	1.0			

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
March	07	- ePN	15	21	19.3	1.0	4.0
		- iP			19.0	1.0	2.0
	08	- ePE	07	57	38.3	1.0	1.0
		+ ePN			38.3	1.0	1.0
		+ iP			38.3	1.0	1.3
		- ePE	16	33	39.7	1.0	0.5
		- ePN			39.7	1.0	1.5
		- eP			39.7	0.9	0.5
09		- ePE	04	56	33.1	1.3	0.5
		- ePN			33.1	1.2	0.2
		+ iP			33.1	1.3	1.0
		- ePE	14	00	48.6	1.0	1.0
		- ePN			48.6	1.0	0.5
		- eP			48.6	1.0	1.0
		+ ePE	15	56	56.7	0.8	0.5
		+ ePN			56.7	0.8	0.5
		+ eP			56.7	0.9	0.5
		- ePE	16	33	02.7	1.2	1.5
		+ ePN			02.7	1.2	1.5
		+ eP			02.7	1.2	1.0
10		+ iPE	01	33	58.3	1.0	0.5
		+ iSE		35	58.3	2.2	2.5
		+ iPN		33	58.3	1.0	1.5
		- eSN		35	58.3	2.0	2.0
		- iP		33	58.3	0.9	1.5
		+ eS		35	58.3	2.3	2.0
		- iPE	22	49	58.5	0.5	0.5
		+ iPN			58.5	0.5	0.5
		- iP			58.5	0.5	0.8
		- ePE	04	27	13.5	0.8	0.5
11		- ePN			13.5	0.8	0.3
		+ eP			13.5	0.8	0.5
		- ePE	09	21	41.1	0.9	1.0
		+ ePN			41.1	0.9	0.2
		+ iP			41.1	0.9	1.0
		- ePE	21	06	20.0	0.8	0.5
		+ ePN			20.0	0.8	0.5
		+ eP			20.0	0.8	0.5
12		- ePE	11	55	13.7	0.8	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
April	12	+ ePN	11	55	13.7	1.0	0.5
		+ eP			13.7	0.8	0.5
		- ePE	19	09	43.8	1.2	0.5
		+ ePN			43.8	1.0	0.2
		+ eP			43.8	1.8	1.0
		- ePE	21	12	30.9	1.0	1.0
		- ePN			30.9	1.0	2.0
		- iP			30.9	1.0	1.0
13		- ePE	05	30	14.2	1.3	0.8
		- ePN			14.2	1.3	0.5
		+ eP			14.2	1.5	1.0
		- ePE	06	10	32.4	1.0	0.2
		- iPN			32.4	1.0	1.0
		+ iP			32.4	1.0	0.8
		- ePE	17	59	20.0	1.0	0.5
		- iPN			20.0	1.0	1.0
		+ iP			20.0	1.0	1.2
		- ePE	21	30	45.1	1.0	0.5
		+ ePN			45.1	1.0	0.5
		+ eP			45.1	1.0	0.5
14		+ ePE	05	10	38.6	1.0	1.5
		- ePN			38.6	1.0	0.5
		+ eP			38.6	1.0	0.5
		- ePN	08	55	26.3	1.0	0.5
		- eP			26.3	0.8	0.5
		+ ePE	11	07	47.9	0.8	0.2
		- ePN			47.9	0.8	0.5
		- eP			47.9	1.0	0.5
		- ePE	17	08	34.0	1.0	0.5
		+ ePN			33.9	1.0	0.8
		+ eP			33.9	1.0	0.5
		- ePE	20	40	09.1	1.0	1.0
		+ ePN			09.1	1.0	2.0
		+ eP			09.1	1.0	1.0
15		+ ePE	00	48	12.4	1.1	1.0
		- ePN			12.1	1.0	1.0
		+ iP			12.1	1.0	0.5
		- ePE	08	22	32.1	0.8	0.5
		- ePN			32.1	0.8	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
April 15	+ eP	08	22	32.1	1.0	0.5	
	- ePE	08	49	16.2	1.0	0.5	
April 16	- ePN			16.2	1.0	0.5	
	+ eP			16.2	1.0	0.5	
April 17	- ePE	19	43	32.0	0.8	1.0	
	+ ePN			32.0	0.8	0.5	
	+ eP			32.0	1.0	0.5	
	- ePE	01	54	25.7	1.0	1.5	
	+ ePN			25.7	1.0	0.2	
	+ iP			25.7	1.2	1.0	
	- ePE	02	56	21.5	0.8	0.5	
	+ ePN			21.5	0.8	0.5	
	+ eP			21.5	0.8	0.5	
	- ePN	20	10	07.0	1.0	1.0	
April 18	+ eP			07.0	1.0	1.0	
	- ePN	06	11	41.5	1.0	1.0	
	+ eP			41.5	1.0	0.8	
	+ ePE	15	03	44.3	0.8	0.8	
	+ ePN			44.3	1.0	0.2	
	+ eP			44.3	1.0	0.5	
	+ ePE	06	46	15.6	0.8	0.8	
	+ eP			15.6	0.8	1.0	
April 19	+ ePE	17	01	26.2	1.0	1.5	
	- eP			26.2	1.0	0.5	
	- ePE	18	54	30.4	1.0	0.5	
	+ ePN			30.3	0.8	0.5	
	+ eP			30.4	1.0	0.5	
	- ePE	21	11	12.5	1.0	1.0	
	- ePN			12.5	1.0	0.5	
	+ eP			12.5	1.0	0.5	
	- ePE	08	01	35.2	1.8	1.5	
	+ ePN			35.2	1.8	2.5	
April 20	+ eP			35.2	1.5	1.5	
	- iPE	14	24	24.7	1.0	0.5	
	+ ePN			24.7	1.0	0.5	
	- iP			24.7	1.0	1.0	
	+ iPE	16	26	28.2	0.9	0.8	
	- iP			28.2	0.9	1.0	
	April 21 Extreme microseismic activity						

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
April 22	+ ePE	04	06	21.4	0.9	0.8
	- ePN			21.4	1.0	1.0
April 23	- eP			21.4	1.0	1.0
	+ ePE	16	25	20.5	1.0	0.5
	+ ePN			20.5	0.9	0.5
	+ eP			20.5	0.8	0.5
	+ ePE	18	43	51.7	1.0	0.5
	+ eP			51.7	1.0	0.3
	- ePE	18	53	39.7	0.8	0.5
	- ePN			39.7	0.8	0.5
	+ eP			39.7	0.8	0.5
	- iPE	06	53	10.0	1.0	1.2
April 24	- iP			09.9	1.0	2.0
	- iP			10.0	1.0	1.5
	+ ePE	11	20	14.4	0.8	0.8
	- ePN			14.4	0.8	0.3
	+ eP			14.4	0.8	0.5
	+ ePE	12	44	49.7	1.0	0.5
	- eP			49.7	1.0	0.5
	- ePE	12	45	52.4	1.0	1.5
	- ePN			52.5	1.0	1.0
	- iP			52.4	0.8	1.2
	+ ePE	00	50	43.5	1.0	3.0
	+ ePN			43.5	1.0	0.5
	+ eP			43.5	1.0	0.5
	+ ePE	02	00	21.0	1.2	2.5
	+ ePN			21.5	1.0	0.5
	+ eP			21.5	1.0	0.5
April 25	- ePE	02	48	54.7	1.0	0.3
	+ ePN			54.7	1.0	0.5
	+ eP			54.7	0.8	0.5
	+ ePE	04	45	27.9	0.8	0.2
	+ ePN			28.0	1.0	1.0
	+ eP			27.9	1.0	0.5
	+ ePE	17	59	51.3	1.0	0.3
	+ ePN			51.3	1.0	0.5
	- eP			51.3	1.0	0.5
	+ ePE	19	08	12.3	0.9	1.2
	+ ePN			12.3	0.8	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
April 24	+ eP	19	08	12.3	0.8	0.5	
	- ePE	19	34	20.8	1.0	0.5	
April 25	- ePN			20.8	1.0	0.5	
	+ eP			20.8	0.8	0.3	
	+ ePE	03	51	54.2	0.8	0.3	
	+ iP			54.1	0.8	1.5	
	- ePN	04	23	29.8	0.8	0.5	
	+ eP			29.8	1.0	0.5	
	+ ePE	07	03	35.6	0.5	0.5	
	- ePN			35.6	0.8	0.3	
	+ eP			35.6	1.0	0.5	
	+ ePE	16	24	35.2	1.0	1.0	
	- ePN			35.2	1.0	1.0	
	+ eP			35.2	1.0	0.5	
	- ePE	19	32	03.0	0.6	0.5	
	- ePN			03.0	0.7	0.5	
	+ eP			03.0	0.5	0.3	
	April 26	+ ePE	04	36	42.0	1.0	0.5
		+ ePN			42.0	1.0	0.2
		+ iP			42.0	1.0	0.8
- ePE		11	11	14.4	1.0	0.5	
+ ePN				14.4	1.0	0.5	
+ eP				14.4	1.0	0.5	
+ iPE		15	59	57.2	0.8	1.5	
- iP				57.2	0.8	1.0	
+ ePE		18	43	11.2	1.0	0.5	
- ePN				11.2	1.0	0.5	
+ eP				11.2	1.0	0.5	
+ ePE		19	01	29.0	1.2	1.0	
- ePN				29.0	1.0	0.5	
+ eP				29.0	1.0	0.5	
- ePE		20	28	51.0	1.0	0.5	
- ePN				51.0	0.8	0.5	
+ eP				51.0	1.0	0.5	
April 27		- ePE	20	36	36.0	1.0	1.0
	+ ePN			36.0	1.0	0.5	
	- eP			36.0	1.0	0.5	
	+ iPE	18	31	34.8	0.8	1.5	
	+ iPN			34.8	0.5	3.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
April 27	- iP	18	31	34.8	0.5	0.5	
	+ iPE	20	07	06.3	1.1	1.0	
	+ iPN			06.4	1.0	2.5	
	- iP			06.3	1.0	2.2	
	+ ePE	20	34	28.2	0.8	1.5	
	+ ePN			28.3	0.8	1.5	
	+ eP			28.3	0.8	0.5	
	- ePN	23	57	23.1	1.0	1.0	
	+ eP			23.1	1.0	1.5	
	April 28	- ePE	02	19	41.0	1.0	0.5
		+ ePN			41.0	0.8	0.5
		+ eP			41.0	1.0	0.5
+ ePE		06	31	47.3	1.0	1.0	
- ePN				47.5	1.0	1.5	
- eP				47.3	1.0	1.0	
April 29		- ePN	19	46	28.4	0.8	0.5
		+ eP			28.4	0.8	0.5
		- ePE	20	04	54.5	1.0	0.5
		- ePN			54.5	1.0	1.5
		- eP			54.5	1.0	1.0
		- ePE	16	07	58.4	1.0	1.0
April 30	+ ePN			58.4	1.0	1.0	
	+ eP			58.4	1.0	1.0	
	+ iPE	14	27	42.6	0.9	1.5	
	+ iPN			42.6	0.9	0.5	
	- iP			42.6	0.9	1.5	
	May 01	+ ePE	06	28	16.3	1.2	1.5
		+ eSE		38	55.1	2.5	2.0
		+ ePN		28	16.1	1.2	0.5
		+ eSN		38	55.1	2.0	1.0
		+ iP		28	16.1	1.3	1.0
		- iX			47.0	1.3	3.0
		LP + eP		28	14.9	9.4	0.2
- isPP			32	30.9	11.2	1.5	
+ eS			38	54.3	14.1	0.5	
May 02		Extreme microseismic activity					
		- iPE	02	16	10.7	1.2	2.0
		+ iSE		25	40.9	2.5	2.0
	+ ePN		16	10.7	1.2	0.3	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
May 04	+ eSN	02	25	40.9	2.5	0.5
	+ iP		16	10.7	1.2	1.5
	+ iX			13.7	1.5	6.5
	+ iPcP			23.9	1.8	4.6
	- eS		25	40.9	3.0	1.0
	- ePE	02	36	08.1	1.0	0.3
	- eSE		43	24.9	2.0	0.5
	+ eP		36	08.1	1.0	0.5
	- eS		43	24.9	1.8	0.5
	+ ePE	03	08	12.1	1.0	0.5
	+ eP			12.1	1.0	0.2
	+ iPE	19	37	46.1	1.1	0.5
	- iPN			46.1	1.1	0.5
	- iP			46.1	1.1	0.5
	+ ePE	22	06	29.6	1.0	1.2
	+ ePN			29.9	1.0	0.3
	+ eP			29.9	1.0	0.5
	+ ePE	00	02	06.8	1.3	0.5
	- ePN			06.6	1.2	0.5
	May 05	+ eP			06.6	1.2
+ ePE		03	03	19.6	1.0	0.2
- ePN				19.6	1.0	0.3
+ eP				19.6	1.0	0.5
+ iPE		20	58	47.8	0.8	1.5
+ iPN				47.8	0.8	0.5
+ iP				47.8	0.8	1.0
+ ePE		22	58	21.1	1.0	0.3
+ ePN				21.1	1.0	0.3
+ eP				21.1	1.0	0.5
+ ePN		17	18	42.3	1.0	0.5
+ eP				42.3	1.0	0.5
+ ePE		17	52	00.9	1.0	0.5
+ ePN				00.9	1.0	0.5
+ eP				00.9	1.0	0.5
May 06	- ePE	00	21	07.1	1.0	0.5
	- iPN			07.1	0.9	1.0
	+ iP			07.1	0.9	1.0
	- ePE	00	33	41.6	1.2	1.0
	+ eP			41.6	1.0	1.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
May 07	- ePE	00	49	22.3	1.2	1.5
	- eSE		56	21.6	2.0	1.0
	- ePN		49	22.4	1.2	0.5
	+ eSN		56	21.6	2.0	1.0
	+ eP		49	22.3	1.2	1.0
	+ ePE	01	50	32.7	1.0	0.2
	- ePN			32.6	1.0	0.2
	+ eP			32.7	1.0	0.5
	+ ePE	08	58	54.6	1.4	0.2
	+ iPN			54.6	1.3	0.5
	- iP			54.6	1.3	0.5
	- ePE	09	10	27.6	1.3	0.2
	+ ePN			27.6	1.3	0.5
	- eP			27.6	1.5	0.5
	+ ePE	00	23	24.8	0.7	0.5
	- ePN			24.8	0.7	0.2
	+ eP			24.8	0.7	0.3
	- iPE	00	59	24.1	1.2	20.0
	+ iSE	01	07	12.0	2.0	8.5
	May 08	+ iPN	00	59	24.1	1.2
+ iSN		01	07	11.9	1.8	3.5
- iP		00	59	24.1	1.2	18.5
- eS		01	07	11.9	2.0	4.8
- iPE		12	06	40.9	1.0	2.2
+ iP				40.9	0.9	2.0
- ePE		17	39	35.5	1.0	1.0
+ ePN				35.5	1.0	0.5
+ eP				35.5	1.0	0.5
- ePE		19	34	12.9	0.8	0.5
+ eP				12.9	1.0	0.5
- ePE		23	05	21.3	1.0	1.5
- ePN				21.3	1.0	0.2
+ eP				21.3	1.0	0.2
+ ePE		23	28	25.7	1.2	0.5
+ ePN			25.7	1.2	0.5	
- eP			25.7	1.2	0.5	
May 09	+ iPE	08	36	00.7	1.5	1.5
	+ iSE		44	59.2	2.5	1.5
	- iPN		36	00.7	1.5	1.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
May 09	+ eSN	08	44	59.5	2.0	1.0	
	+ iP		36	00.7	1.2	2.0	
	+ iX			06.7	1.0	6.5	
	- eS		44	59.2	2.5	1.0	
	- ePE	09	03	49.2	1.0	0.3	
	+ eP			49.2	1.0	0.5	
	- ePE	11	07	13.8	1.5	0.2	
	- ePN			13.8	1.2	1.0	
	- eP			13.8	1.5	0.5	
	- ePE	18	11	59.7	2.0	1.0	
	+ ePN			59.8	1.8	1.0	
	+ iP			59.6	2.0	0.5	
	+ iPE	18	46	09.1	1.5	0.5	
	- iPN			09.1	1.5	1.0	
	+ iP			09.1	1.5	1.5	
	- ePE	19	21	41.1	1.2	1.0	
	+ ePN			41.1	1.0	0.5	
	+ eP			41.1	1.0	0.5	
	May 10	+ ePE	11	33	59.8	1.3	0.5
		+ ePN			59.8	1.3	1.0
+ eP				59.8	1.3	0.5	
- ePE		12	07	20.9	1.3	1.5	
- ePN				20.9	1.2	0.5	
+ eP				20.9	1.2	1.5	
+ ePE		18	00	13.4	1.0	0.2	
+ ePN				13.5	1.0	0.2	
- eP				13.4	1.0	0.5	
- ePE		18	44	19.5	1.0	3.0	
+ ePN				19.5	1.0	0.5	
+ eP				19.5	1.0	0.5	
+ ePE		21	20	17.5	1.0	0.8	
+ ePN				17.5	1.0	0.5	
+ eP				17.5	1.0	0.5	
May 11	+ ePE	00	19	19.6	0.8	0.5	
	- ePN			19.6	1.0	0.5	
	- eP			19.6	1.0	0.5	
	- ePE	09	21	38.5	0.8	0.2	
	- ePN			38.5	0.8	0.5	
	- eP			38.5	0.8	0.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
May 11	- ePE	19	30	33.7	1.2	1.0	
	+ ePN			33.7	1.0	0.5	
May 12	- eP			33.7	1.0	0.5	
	- ePE	03	01	49.7	1.0	0.2	
	+ ePN			49.7	1.0	0.5	
	+ iP			49.7	1.0	0.5	
	+ ePE	19	40	38.4	1.2	0.2	
May 13	+ ePN			38.4	1.2	0.2	
	- eP			38.4	1.2	0.5	
	+ ePE	02	59	31.7	0.9	0.5	
	+ ePN			31.8	0.9	1.2	
	+ eP			31.7	0.9	0.5	
	- ePE	19	54	08.2	1.2	3.5	
	- ePN			08.2	1.2	0.5	
May 14	+ eP			08.2	1.2	0.5	
	+ ePE	21	47	11.4	1.0	0.5	
	+ ePN			11.4	1.0	0.5	
	- eP			11.2	1.0	0.5	
	- ePE	22	41	49.2	1.0	0.5	
	+ ePN			49.4	1.0	0.5	
	+ eP			49.4	1.0	0.5	
	+ ePE	09	19	31.2	0.8	2.0	
	+ eP			31.2	1.0	0.5	
	+ ePE	05	16	00.4	1.0	1.2	
May 15	- ePN			00.4	1.0	0.2	
	+ eP			00.4	1.0	1.0	
	+ iPE	05	24	26.2	1.0	0.5	
	- iPN			26.2	0.8	1.0	
	- iP			26.0	0.8	1.0	
	- ePE	11	17	22.5	1.5	1.0	
	- eSE		21	12.7	2.0	1.0	
	- ePN		17	22.5	1.0	0.5	
	- iP			22.5	1.5	1.0	
	+ eS		21	12.7	2.2	1.0	
	May 16	- iPE	00	57	13.1	1.0	1.0
		+ iSE	01	06	12.3	1.5	9.5
		- iPN	00	57	13.1	0.9	2.5
- iSN		01	06	12.3	1.5	3.0	
+ iP		00	57	13.1	0.9	2.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
May 18	- eS	01	06	11.3	1.5	1.0
	- iPE	06	23	37.7	0.8	1.7
	+ iPN			37.6	0.9	0.8
	- iXN		24	08.2	0.8	1.5
	- iP		23	37.6	0.9	2.0
	- iX		24	08.1	0.7	3.5
	- ePE	23	04	35.3	1.0	1.0
	+ ePN			35.3	1.0	0.2
	+ iP			35.3	1.0	0.8
	+ ePE	03	39	01.1	1.0	1.0
	- ePN			01.1	1.0	0.2
	+ eP			01.1	1.0	0.2
19	- ePE	06	21	52.9	0.8	1.0
	+ ePN			52.9	0.8	0.2
	+ eP			52.9	1.0	0.2
	+ ePE	07	50	31.1	0.8	1.0
	+ ePN			31.3	0.8	0.5
	+ eP			31.3	0.8	0.5
	- ePE	18	49	56.7	1.0	0.5
	+ ePN			56.7	1.0	0.5
	+ eP			56.7	1.0	0.5
	- ePE	22	21	43.2	1.3	0.5
	+ iP			43.2	1.3	0.5
	20	+ ePE	02	55	22.2	1.2
+ eP				22.2	1.2	0.5
+ iPE		22	16	51.0	0.8	0.5
- iSE			17	21.0	1.2	1.0
+ iPN			16	51.2	0.8	1.2
- iSN			17	21.0	1.3	1.5
+ iP			16	51.0	0.8	0.5
+ iS			17	21.0	1.3	1.5
+ ePE		18	13	05.0	1.0	0.5
+ ePN				05.0	1.2	1.0
+ eP				05.0	1.2	0.5
- ePE		19	16	34.4	1.5	0.5
- eP			34.4	1.5	0.5	
22	+ ePE	06	08	16.2	1.0	1.0
	- ePN			16.5	1.0	0.2
	- eP			16.4	1.0	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
May 22	+ ePE	16	32	30.2	1.5	0.5
	+ ePN			30.2	1.0	0.2
	- eP			30.2	1.0	0.5
	+ ePE	17	44	00.4	1.5	1.0
	+ ePN			00.4	1.5	0.5
	- eP			00.4	1.5	0.5
	+ ePE	21	29	59.7	1.5	0.2
	+ ePN			59.7	1.5	1.0
	+ eP			59.7	1.5	1.0
	+ iPE	08	40	56.2	1.2	0.5
	- iP			56.2	1.2	0.5
	+ ePE	17	07	35.3	1.2	1.5
23	- ePN			35.3	1.0	0.2
	+ eP			35.3	1.0	1.0
	- ePE	19	04	12.1	0.9	0.5
	+ eP			12.1	1.0	0.5
	+ ePE	21	09	47.3	0.8	1.0
	- ePN			47.3	0.8	1.0
	- eP			47.3	1.0	0.2
	+ ePE	03	11	23.5	0.8	0.5
	- iPN			23.5	0.8	0.5
	+ iP			23.5	0.8	0.5
	- iPE	16	24	37.5	0.8	0.8
	+ iPN			37.5	0.8	1.2
24	- iP			37.5	1.0	0.5
	+ ePE	19	31	40.5	1.0	1.0
	+ ePN			40.5	1.0	0.5
	- eP			40.5	1.0	0.5
	+ iPE	21	07	36.0	0.8	1.0
	+ iPN			36.0	0.8	3.0
	+ iP			36.0	0.8	1.5
	- ePE	21	27	40.0	1.0	0.5
	+ ePN			40.0	1.0	0.5
	+ eP			40.0	1.0	0.2
	+ ePE	02	19	18.0	1.0	1.0
	+ eP			18.0	1.0	0.5
25	+ ePE	12	36	38.0	1.0	0.5
	- ePN			38.0	1.0	1.0
	+ eP			38.2	1.0	0.2

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)		
		h	m	s				
May 25	- ePE	20	17	25.2	1.2	0.5		
	+ ePN			25.0	1.0	0.2		
May 26	- eP	00	23	25.0	1.0	0.5		
	+ ePE			30.5	1.5	1.0		
	- ePN			30.5	1.0	0.5		
	+ iP			30.5	1.0	0.5		
	+ iPE			04	22	15.0	0.8	0.8
	+ iP			04	22	15.0	1.0	0.5
	+ ePE			07	30	55.2	1.3	0.5
	+ ePN			07	30	55.1	1.3	1.0
	+ eP			07	30	55.0	1.2	0.5
	+ ePE			08	09	50.0	1.0	1.0
	+ ePN			08	09	50.0	1.0	1.0
	+ eP			08	09	50.0	1.0	0.8
	+ ePE			19	14	13.7	1.0	1.5
	+ eP			19	14	13.5	1.0	0.5
	+ ePE			21	08	11.2	1.0	0.5
	May 27			- ePN	16	50	11.2	1.0
- eP		11.2	1.0	0.2				
- ePE		11.0	0.8	0.5				
- eSE		00.5	1.5	2.0				
+ ePN		50	11.0	0.8			0.5	
+ eSN		55	00.5	1.2			0.2	
+ eP		50	11.0	0.8			0.5	
+ eS		55	00.5	1.3			2.0	
- iPE		20	58	32.0			1.1	1.5
- iPN		20	58	32.0			1.1	0.5
+ iP		20	58	32.0			1.1	0.5
- ePE		22	51	27.0			1.2	1.0
- ePN		22	51	27.0			1.2	0.5
+ eP		22	51	27.0			1.3	0.5
May 28	- ePE	00	00	56.1	1.0	1.5		
	+ ePN			56.1	1.0	1.0		
	+ eP			56.1	1.0	0.2		
	- iPE			13	39	19.2	0.8	0.5
	+ iPN			13	39	19.2	0.8	0.2
	- iP			13	39	19.2	0.8	1.0
	- ePN			20	20	17.2	1.4	1.0
	- eP			20	20	17.2	1.2	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)				
		h	m	s						
May 28	+ ePE	20	49	44.2	0.8	0.5				
	+ eP			44.2	0.8	0.5				
May 29	+ iPE	22	32	34.2	0.9	2.0				
	- iP			34.2	0.9	1.0				
May 30	+ iPE	04	51	06.0	1.0	1.0				
	+ iPN			06.0	1.0	1.0				
	+ iP			06.0	1.0	0.5				
	+ ePE			07	21	42.5	1.0	1.0		
	+ ePN			07	21	42.6	1.0	1.0		
	- eP			07	21	42.5	1.0	0.5		
	+ ePE			14	24	13.0	1.0	0.5		
	- ePN			14	24	13.0	1.0	0.2		
	- eP			14	24	13.0	1.0	0.2		
	- ePE			14	49	13.2	1.0	0.2		
	- ePN			14	49	13.2	1.0	0.5		
	+ eP			14	49	13.2	1.0	0.2		
	- ePE			14	52	11.2	1.0	1.0		
	+ ePN			14	52	11.2	1.0	0.5		
May 31	+ eP	17	19	11.2	1.0	0.3				
	+ ePN			11.2	1.0	0.2				
	- eP			14.0	1.0	0.2				
	+ ePN			23	40	51.0	1.2	0.2		
	- eP			23	40	51.0	1.2	0.5		
	+ ePE			10	53	56.8	1.0	1.0		
	+ ePN			10	53	56.8	1.0	1.0		
	- eP			10	53	56.8	1.0	0.2		
	- ePE			13	36	36.0	1.0	0.5		
	- ePN			13	36	36.0	1.0	0.5		
	+ eP			13	36	36.0	1.0	0.5		
	June 01			Extreme microseismic activity						
				June 02	+ ePE	03	47	40.6	0.7	0.5
					- ePN			40.5	0.7	0.5
- eP		40.5	0.7		0.3					
+ ePE		11	58		38.5			0.8	0.5	
+ ePN		11	58		38.0			0.8	0.5	
+ eP		11	58		38.0			0.8	0.3	
June 03		- ePE	13		40			28.0	0.9	1.2
		- ePN						28.0	0.9	0.5
		- eP						28.0	0.8	0.2

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
June 04	+ ePE	12	28	23.7	0.6	0.5
	- ePN			23.7	0.7	0.5
June 05	+ eP			23.5	0.7	0.5
	+ ePE	21	00	46.3	1.3	0.5
June 06	+ ePN			46.4	1.2	0.5
	- eP			46.1	1.5	1.0
June 07	+ iPE	21	22	56.1	0.9	1.0
	- ePN			55.1	0.9	1.0
June 08	- eP			55.1	0.8	1.0
	- iPE	01	50	52.0	1.3	0.8
June 09	+ ePN			51.8	0.8	0.2
	- iP			51.8	1.0	1.0
June 10	- ePE	08	02	02.1	1.3	0.8
	+ ePN			02.2	1.0	0.5
June 11	+ eP			02.1	1.2	1.0
	- ePE	08	34	07.4	1.1	1.0
June 12	+ ePN			07.5	0.8	1.0
	- iP			07.5	1.0	0.3
June 13	+ ePE	17	44	38.2	1.2	0.5
	+ ePN			38.2	1.2	0.3
June 14	- ePE	18	45	01.2	0.6	1.0
	+ ePN			01.2	0.7	1.0
June 15	+ eP			01.2	0.7	0.3
	- ePE	20	55	39.2	1.3	0.5
June 16	- ePN			39.2	1.0	0.5
	+ eP			39.2	0.8	0.5
June 17	- iPE	08	47	41.9	0.6	0.5
	+ iPN			42.0	0.7	0.7
June 18	- iP			42.1	0.6	0.5
	+ ePE	19	18	13.2	0.8	0.5
June 19	+ ePN			13.2	0.7	0.5
	+ eP			13.2	0.6	0.5
June 20	+ iPE	23	56	19.2	1.7	1.3
	- ePN			19.2	1.2	0.5
June 21	+ iP			19.2	1.3	1.0
	+ eX	00	01	30.7	1.8	0.5
June 22	- ePE	01	14	03.4	1.3	1.0
	+ ePN			03.7	0.9	0.5
June 23	+ eP			03.6	1.2	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
June 07	- ePE	04	16	53.2	1.6	0.5
	- ePN			53.0	0.7	0.5
June 08	+ eP			53.0	1.0	0.5
	- ePE	08	11	15.5	1.4	0.5
June 09	+ ePN			15.2	1.2	0.2
	- eP			15.2	1.4	0.2
June 10	+ eX		16	29.2	2.0	1.5
	+ ePE	18	05	12.1	0.9	0.2
June 11	+ ePN			12.1	0.6	0.3
	+ eP			12.1	0.9	0.3
June 12	- ePE	03	52	12.1	0.8	1.0
	+ ePN			12.1	0.8	0.2
June 13	+ iP			12.1	0.8	0.5
	- ePE	05	12	01.8	0.7	0.3
June 14	- ePN			01.8	0.8	0.2
	+ eP			01.8	0.7	0.2
June 15	- ePE	07	59	59.1	0.6	0.5
	- ePN			59.1	0.6	0.2
June 16	+ eP			59.1	0.6	0.5
	- ePE	08	45	06.6	0.7	0.2
June 17	- ePN			06.4	0.7	0.5
	+ eP			06.5	0.7	0.2
June 18	+ ePE	19	38	57.0	0.7	0.2
	+ ePN			57.0	0.8	0.5
June 19	+ eP			57.0	0.6	0.3
	+ ePE	22	24	42.7	0.7	0.3
June 20	+ ePN			42.7	0.6	0.5
	- eP			42.8	0.7	0.5
June 21	- iPE	22	55	54.2	0.6	1.0
	+ iPN			54.2	0.7	0.3
June 22	- iP			54.1	0.6	1.5
	+ ePE	13	15	56.0	1.3	0.5
June 23	+ ePN			56.0	1.2	0.5
	- eP			55.8	1.3	0.5
June 24	+ ePN	18	34	04.9	0.6	0.5
	+ eP			04.9	0.6	0.3
June 25	+ ePE	19	04	57.9	0.7	0.3
	+ ePN			57.9	0.7	0.2
June 26	+ eP			57.9	0.7	0.2

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
June 09	+ ePE	20	39	10.9	1.1	1.0
	- ePN			10.9	1.1	0.5
10	- eP			10.9	1.1	0.5
	- ePN	00	40	19.9	0.7	0.5
	+ eP			19.9	0.7	0.2
	- ePE	07	00	18.4	1.4	1.0
	- ePN			19.7	0.8	0.2
	+ eP			18.7	1.2	0.3
	- ePE	19	59	08.9	0.7	0.2
	+ ePN			08.8	1.0	0.5
	+ eXN			42.8	0.8	1.0
	+ eP			08.8	1.0	0.2
	+ ePE	20	18	38.0	1.0	0.5
	+ eP			38.0	0.9	0.5
	+ iPE	20	21	38.3	1.5	4.0
	+ eXE			40.8	1.5	1.5
	- iP			38.4	1.3	1.0
	- iP			38.3	1.3	5.0
	+ eX			40.8	1.4	0.5
	+ ePE	20	37	51.3	1.5	1.0
	+ ePN			51.3	0.7	0.2
	- eP			51.0	1.0	0.5
- ePE	20	54	00.8	0.7	0.5	
+ ePN			00.8	1.0	0.2	
- eP			00.8	0.7	0.2	
- ePE	21	03	43.8	0.7	0.3	
+ ePN			43.8	0.9	0.5	
- eP			43.8	0.9	0.2	
+ ePE	21	22	59.6	0.7	0.3	
+ ePN			59.6	0.6	0.2	
+ eP			59.6	0.6	0.2	
- ePE	00	35	05.8	0.7	1.0	
+ ePN			05.8	0.6	0.5	
+ eP			05.8	1.0	0.5	
- ePE	01	46	24.5	0.7	0.5	
+ ePN			24.5	0.8	0.5	
+ iP			24.5	0.9	0.5	
- ePE	06	28	05.8	0.7	0.2	
+ ePN			05.5	0.6	0.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
June 11	- eP	06	28	05.6	0.6	0.2
	+ ePE	08	11	29.8	0.6	0.2
	+ ePN			29.8	0.5	0.2
	- eP			29.8	0.5	0.2
	+ ePE	11	08	17.8	0.9	0.5
	- eP			17.8	0.9	0.5
	+ ePN	13	14	17.3	1.2	0.5
	- eP			17.2	1.7	0.5
	- eXE	13	25	26.5	1.4	0.2
	- eX			26.5	1.1	0.5
	+ ePE	14	18	30.8	2.4	0.5
	- ePN			30.8	1.3	0.5
	+ eP			30.8	1.2	0.5
	- ePE	21	08	37.0	0.7	0.5
	+ ePN			37.1	0.6	1.0
	+ eP			37.0	0.6	0.5
	- ePE	22	57	16.6	0.7	0.5
	+ ePN			16.7	0.6	0.5
	+ eP			16.6	0.8	0.2
	- ePE	03	38	37.5	0.6	0.5
	+ ePN			37.3	0.5	0.5
	+ eP			37.6	0.5	0.2
+ ePE	04	06	26.9	0.6	0.5	
+ ePN			26.8	0.7	0.5	
+ eP			26.8	0.7	1.0	
- ePE	07	10	20.5	1.0	0.5	
- ePN			20.5	1.0	0.5	
- eP			20.5	1.0	0.5	
- ePE	12	00	04.1	0.8	0.5	
+ ePN			04.0	0.7	0.2	
- eP			04.4	0.9	0.5	
+ ePE	20	27	32.8	1.3	1.0	
+ ePN			32.8	1.0	0.5	
+ eP			32.8	1.0	0.2	
+ ePE	22	11	24.8	0.6	0.3	
+ ePN			24.8	0.6	0.2	
+ eP			24.8	0.6	0.2	
+ ePE	23	26	34.5	0.7	0.5	
+ ePN			34.5	0.7	0.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
June 12	+ eP	23	26	34.5	0.8	0.2
	+ ePE	23	48	48.1	1.0	0.5
13	+ ePN			48.1	0.8	0.5
	- iP			48.0	0.8	1.0
	+ ePE	00	05	17.9	0.8	0.5
	+ ePN			18.0	0.7	0.5
	+ eP			17.8	0.7	0.5
	+ ePE	05	00	39.8	0.7	0.2
	+ ePN			39.8	1.0	0.5
	- eP			39.4	0.6	0.2
	+ ePE	07	27	29.8	1.2	1.0
	+ ePN			29.8	0.7	0.5
	+ eP			29.8	0.7	0.2
	- ePE	11	32	26.8	1.2	1.0
	- ePN			26.8	1.3	0.5
	+ eP			26.8	1.1	0.2
14	- ePE	21	01	40.8	0.5	1.0
	+ ePN			40.8	0.6	1.5
	- eP			40.8	0.7	0.5
	+ ePE	23	34	40.8	0.6	0.2
	+ ePN			40.8	0.6	0.5
	+ eP			40.8	0.7	0.2
	+ ePE	09	03	44.8	0.7	1.0
	+ ePN			44.8	0.7	1.2
	+ eP			44.8	0.6	0.5
	- ePE	11	19	02.8	0.8	0.2
	+ ePN			02.8	1.1	0.5
	- eP			02.8	1.0	0.2
	- ePE	12	15	36.8	0.7	1.0
	+ ePN			37.3	1.2	0.5
15	- eP			37.3	0.7	0.2
	- ePE	14	08	18.5	1.4	0.5
	- ePN			18.5	0.6	0.2
	- eP			18.5	1.0	0.2
	+ ePE	00	26	13.9	0.8	0.2
	+ ePN			12.9	0.7	0.2
	+ eP			12.9	0.5	0.5
	+ ePE	07	46	29.5	0.7	0.6
	+ ePN			29.4	0.7	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
June 15	+ eP	07	46	29.6	0.6	0.5
	- ePE	13	32	14.6	0.5	0.5
16	+ ePN			14.5	0.7	0.5
	- eP			14.7	0.5	0.5
	- ePE	14	23	50.6	0.6	0.6
	- eP			50.6	0.8	1.0
	+ ePE	17	53	16.2	0.7	0.7
	+ iPN			16.1	0.6	1.4
	+ iP			16.1	0.5	0.8
	- ePE	18	24	31.8	0.4	0.5
	- ePN			31.9	0.7	0.2
	+ eP			31.9	0.6	0.2
	- ePE	20	28	07.9	0.8	0.2
	+ ePN			07.9	0.8	0.2
	- eP			07.9	0.8	0.2
	- ePE	20	34	17.9	0.7	0.5
	- ePN			18.1	0.6	0.5
	+ eP			18.1	0.6	0.2
	+ ePE	22	27	24.6	0.5	0.2
	- ePN			24.9	0.6	0.5
	- eP			24.6	0.7	0.2
	+ ePE	06	45	54.9	1.0	0.5
	+ ePN			54.6	0.8	0.9
	+ iP			54.7	0.7	0.5
	+ ePE	11	09	19.3	0.6	0.5
	- ePN			19.4	1.0	0.2
- eP			19.4	1.0	0.2	
+ ePE	12	00	01.9	0.7	0.7	
+ ePN			01.9	0.6	1.2	
+ eP			01.9	0.6	0.5	
+ ePE	14	05	45.6	1.0	0.5	
- ePE			48.1	1.0	0.5	
+ ePN			45.9	1.0	0.5	
- iXN			58.2	0.9	1.5	
+ iP			45.6	1.0	0.5	
+ iX			58.2	0.8	3.9	
+ ePE	14	56	07.4	1.4	1.0	
+ ePN			07.3	1.4	0.5	
+ iP			07.3	1.2	1.0	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
June 20	- eP	03	04	02.0	1.2	0.5	
	+ ePE	09	38	32.1	0.7	0.2	
	- ePN			31.9	0.8	0.5	
	- eP			32.3	0.9	1.0	
	- ePE	09	59	17.6	0.6	0.3	
	- ePN			17.7	0.5	0.2	
	- eXN	10	00	14.7	0.5	0.2	
	- eP	09	59	17.9	0.6	0.2	
	+ ePE	17	22	45.1	0.6	1.0	
	+ ePN			45.0	0.8	0.5	
	+ eP			45.3	0.5	0.2	
	- ePE	18	09	15.7	0.7	0.5	
	+ ePN			15.9	0.7	1.2	
	+ eP			15.9	0.7	0.6	
	+ ePN	18	42	42.9	0.7	1.3	
	- eP			42.9	0.7	0.5	
	+ ePN	19	00	42.4	0.6	0.8	
	+ eP			42.4	0.6	0.9	
	June 21	+ ePE	07	35	23.1	1.1	1.0
		+ ePN			23.6	1.0	0.3
- eP				23.6	1.0	0.2	
- iPE		10	55	51.9	0.7	0.5	
+ ePN				51.6	0.5	0.5	
+ eP				52.1	0.5	0.5	
+ ePE		20	02	24.1	1.0	0.2	
+ ePN				24.1	0.8	0.2	
- eP				24.2	0.7	0.2	
+ ePE		20	04	05.6	0.6	0.2	
- ePN				05.3	0.7	0.2	
- eP				05.5	0.7	0.2	
+ ePE		20	07	36.9	0.6	0.5	
+ ePN				36.6	0.6	0.2	
+ eP				36.8	0.7	0.2	
June 22	+ ePE	20	33	50.9	0.7	0.5	
	- ePN			50.6	0.7	0.2	
	+ eP			50.9	0.6	0.2	
	+ ePE	01	53	30.4	0.9	0.6	
	+ ePN			30.7	1.0	0.2	
	+ eP			30.8	0.8	0.2	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
June 22	- ePE	03	06	17.9	0.5	0.2
	- ePN			17.7	0.6	0.2
	+ eP			17.9	0.5	0.2
	- ePE	05	29	02.3	0.8	0.2
	+ iPN			02.3	0.8	0.8
	+ iP			02.3	0.6	0.5
	- ePE	05	35	42.6	0.5	0.2
	+ ePN			42.4	0.5	0.2
	- eP			42.6	0.5	0.2
	+ ePE	09	44	38.6	0.6	0.2
	+ ePN			38.4	0.6	0.5
	+ eP			38.7	0.5	0.2
	- ePE	18	52	28.6	0.8	0.5
	+ ePN			28.8	0.8	0.2
	- eP			28.8	1.0	0.2
	- ePE	19	35	51.3	0.6	0.7
	- ePN			51.0	0.6	1.1
	- ePE	19	56	47.6	0.6	0.2
	+ ePN			47.6	0.6	0.2
	+ eP			47.8	0.5	0.2
	- ePE	20	53	32.2	0.6	0.2
	+ iXE			35.6	0.7	1.5
	+ ePN			32.0	0.6	0.2
	- eP			32.5	0.6	0.2
	+ ePE	21	27	17.8	0.7	0.2
	- iXE			19.8	0.7	1.0
	- ePN			17.9	0.7	0.2
	- eP			18.1	0.5	0.2
	+ ePE	21	36	05.5	0.6	0.2
	+ ePN			05.3	0.7	0.5
+ eP			05.8	0.6	0.2	
June 23	- ePE	00	18	07.7	0.6	0.2
	- ePN			07.6	0.6	0.2
	- eP			07.6	0.5	0.2
	- eSE	01	04	56.1	0.5	0.6
	- ePN	00	54	21.8	0.6	0.2
	- eSN	01	04	56.2	0.6	0.6
	- eP	00	54	21.8	0.4	0.2
	+ ePE	01	41	03.6	1.0	0.3

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
June 23	+ ePN	01	41	03.8	0.9	0.2
	- eP			03.8	1.0	0.2
	- ePE	02	04	32.6	0.5	0.5
	+ ePN			32.5	0.5	0.2
	+ eP			32.6	0.4	0.2
	+ ePE	05	49	38.6	1.0	0.2
	- ePN			38.6	1.0	0.5
	+ eP			38.6	0.7	0.5
	- ePE	05	54	14.3	1.0	0.5
	+ ePN			14.3	0.7	0.2
	+ eP			14.3	0.6	0.3
	- ePE	05	59	31.6	1.5	0.8
	- ePN			31.5	1.1	0.2
	- eP			31.8	1.1	0.2
	- ePE	06	19	39.8	0.7	0.5
	+ ePN			39.7	0.5	0.5
	+ eP			39.8	0.8	0.2
	+ ePE	08	54	41.1	0.6	0.2
	- ePN			41.0	0.5	0.2
	+ eP			41.0	0.7	0.2
	+ ePE	09	30	20.6	0.6	0.5
	+ ePN			20.5	0.7	0.2
	- eP			20.8	0.7	0.3
	+ ePE	10	09	16.8	0.9	0.2
	- ePN			16.8	1.1	0.2
	+ eP			16.8	1.2	0.2
	+ ePN	13	55	49.8	0.9	0.5
	- eP			49.8	1.0	0.2
	+ ePE	14	13	04.0	1.0	0.5
	+ ePN			04.2	1.0	0.5
	- eP			03.8	1.0	0.2
	+ ePE	17	31	03.5	0.5	0.2
	+ ePN			03.3	0.6	0.2
	+ eP			03.3	0.6	0.2
- iPE	18	08	54.5	0.8	0.2	
- ePN			54.6	1.0	0.2	
+ iP			54.4	0.7	0.2	
- iPE	19	29	34.4	0.7	0.5	
+ iPN			34.2	0.7	0.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
June 23	- iP	19	29	34.4	0.5	0.2
	+ ePE	19	53	35.6	0.9	0.2
	- ePN			35.8	1.0	0.2
	+ eP			35.8	0.8	0.2
	- ePE	21	19	17.3	0.6	0.2
	+ ePN			16.8	0.9	0.2
	- eP			17.5	0.5	0.2
	- ePE	21	29	03.1	0.5	0.2
	- ePN			03.1	0.8	0.3
	- eP			03.3	1.2	0.2
	- ePE	21	35	03.8	1.0	0.2
	+ ePN			03.8	1.0	0.2
	+ eP			04.8	0.7	0.2
	+ ePE	21	36	52.8	1.1	0.3
	+ ePN			53.6	1.2	0.2
	- eP			53.8	1.1	0.2
	- ePE	21	54	25.0	0.6	0.3
	+ ePN			25.0	0.8	0.2
	+ eP			25.1	0.7	0.5
	- ePE	23	04	59.6	0.5	0.2
	+ ePN			59.6	0.5	0.2
	+ eP			59.6	0.6	0.2
	- ePE	23	16	11.0	1.0	0.2
	- ePN			11.6	0.9	0.2
	- eP			11.8	0.8	0.2
	- ePE	00	25	49.0	0.7	0.2
	+ ePN			48.8	0.4	0.2
	+ eP			48.8	0.3	0.2
	+ ePE	00	55	22.8	0.7	0.2
	- ePN			22.6	0.8	0.2
	- eP			22.8	0.5	0.2
	- ePE	02	22	45.8	1.0	0.2
	+ ePN			47.6	0.6	0.3
	+ eP			46.8	0.5	0.3
- ePE	03	10	01.8	0.8	0.2	
+ ePN			01.6	0.6	0.2	
+ eP			01.8	0.9	0.2	
- ePE	03	28	28.7	1.1	0.5	
- ePN			28.5	0.8	0.2	

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Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
June 24	+ eP	03	28	28.7	0.7	0.2
	- eSE	04	26	20.8	0.7	0.5
	+ ePN		25	46.8	0.7	0.2
	- eSN		26	21.6	1.0	0.3
	+ eP		25	46.8	0.7	0.2
	+ eS		26	21.6	0.7	0.2
	- ePE	06	24	46.6	1.0	0.2
	+ ePN			46.7	0.7	0.2
	- eP			46.8	0.5	0.2
	- ePE	07	36	53.3	0.7	0.2
	- ePN			52.8	0.5	0.2
	+ eP			53.5	0.7	0.2
	- ePE	08	00	31.8	0.9	0.2
	+ ePN			31.6	0.8	0.2
	- eP			31.8	1.0	0.2
	- ePE	08	30	12.0	0.9	0.2
	+ ePN			11.9	1.0	0.2
	- eP			12.5	0.7	0.2
	- ePE	10	43	17.8	1.0	0.3
	- ePN			18.6	1.0	0.3
	+ eP			18.3	1.2	0.2
	+ ePE	11	58	02.6	0.6	0.2
	- ePN			01.8	0.6	0.5
	- eXN			41.8	0.6	1.0
	+ eP			01.8	0.7	0.2
	- ePE	12	06	55.6	0.8	0.3
	- ePN			55.5	0.5	0.2
	- eP			55.8	0.5	0.2
	+ ePE	14	00	43.8	0.9	0.2
	- ePN			42.8	0.7	0.2
	- eP			42.8	0.5	0.2
	- ePE	14	17	39.8	0.5	0.2
- ePN			40.3	0.8	0.2	
- eP			40.6	0.7	0.2	
- ePE	14	19	38.8	1.2	0.2	
+ ePN			38.8	1.3	0.5	
+ iP			38.8	1.4	0.5	
+ ePE	16	20	39.9	1.1	0.2	
+ ePN			39.9	0.8	0.3	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
June 24	- eP	16	20	39.9	0.8	0.2
	- ePE	16	22	04.9	0.8	0.5
	+ ePN			04.9	0.5	0.2
	+ eP			04.9	0.6	0.2
	- ePE	18	40	25.9	1.0	0.3
	+ ePN			25.6	0.9	0.3
	- eP			25.9	0.4	0.2
	+ ePE	20	02	30.1	0.8	0.2
	+ ePN			30.0	1.0	0.2
	- eP			30.1	0.5	0.2
	+ ePE	20	19	28.4	0.6	0.5
	+ ePN			28.4	1.0	0.5
	- eP			28.4	0.9	0.5
	+ ePE	20	59	37.1	0.7	0.5
	+ ePN			36.9	0.8	1.0
	- eP			36.9	0.4	0.3
	+ ePE	21	21	54.9	0.5	0.2
	+ ePN			54.9	0.7	0.5
	- eP			54.9	0.5	0.2
	- ePE	22	05	46.9	1.0	0.2
	- ePN			46.9	1.3	0.2
	+ eP			46.9	0.8	0.2
	- ePE	23	32	09.0	1.1	0.2
	- ePN			08.9	0.8	0.5
	+ eP			08.9	1.0	0.2
	- ePE	00	02	54.9	0.9	0.5
	- ePN			54.7	1.0	0.2
	+ eP			54.9	1.0	0.5
	+ ePE	07	34	01.3	0.7	0.3
	+ ePN			01.2	0.8	1.0
	+ eP			01.5	0.7	0.5
	+ ePE	09	37	50.9	1.0	0.5
- ePN			50.9	1.2	0.3	
+ eP			50.9	1.5	0.5	
+ ePE	18	09	49.3	0.7	1.0	
+ ePN			49.4	0.7	1.5	
+ eP			49.3	0.6	0.5	
- iP	19	38	47.9	1.7	3.0	
+ iP			47.8	1.6	1.0	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
June 26	+ eSN	19	48	18.0	2.0	2.0
	+ iP		38	47.7	1.4	3.0
27	- ePE	01	00	19.6	1.0	0.5
	+ ePN			19.7	0.6	0.5
	- eP			19.8	0.6	0.2
	+ ePE	06	30	34.2	0.5	0.2
	- ePN			34.0	0.8	0.2
	- eP			34.0	1.4	0.2
	- ePE	12	56	32.0	0.7	0.3
	- ePN			32.0	0.7	0.8
	+ eP			32.2	0.7	0.5
	- ePE	14	34	07.7	0.8	0.2
	+ iSE		43	27.2	1.5	0.8
	+ ePN		34	07.7	0.8	0.5
	+ iSN		43	27.4	1.0	1.5
	+ iP		34	07.5	0.8	1.0
	+ ePE	16	34	09.8	0.6	0.3
	+ ePN			09.7	0.6	0.2
	- eP			09.9	0.6	0.2
	- ePE	18	04	01.7	1.2	0.2
	- ePN			01.8	0.8	0.2
	+ eP			01.6	1.0	0.5
	- ePE	20	56	21.1	1.0	0.2
	+ ePN			21.1	1.1	0.2
	+ eP			21.8	0.8	0.2
28	+ ePE	01	28	11.6	0.9	0.3
	+ ePN			11.8	0.9	0.5
	- eP			11.6	1.0	0.2
	- ePE	02	08	58.1	0.8	0.3
	+ ePN			58.1	0.7	0.5
	+ eP			58.1	0.8	0.2
	- ePE	03	19	03.9	0.6	0.3
	- ePN			03.5	0.5	0.2
	+ eP			03.6	0.7	0.2
	+ ePE	06	24	58.7	0.7	0.5
	- ePN			58.7	0.9	0.5
	+ eP			58.6	0.7	0.5
	- ePE	16	26	24.8	0.7	0.2
	- ePN			24.6	0.6	0.2

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
June 28	- eP	16	26	24.7	0.6	0.2
	- ePE	19	56	10.1	0.9	0.2
	+ ePN			10.1	1.0	0.2
	+ eP			10.1	1.0	0.5
	- ePE	20	49	45.9	1.3	0.2
	- ePN			46.0	1.0	0.2
	- eP			46.1	0.9	0.2
29	- ePE	01	35	05.0	0.7	0.2
	+ ePN			04.9	0.5	0.2
	+ eP			05.1	0.8	0.2
	+ ePE	04	30	13.6	1.1	0.5
	+ ePN			13.5	0.8	0.2
	- eP			13.6	0.9	0.5
	- iP	06	12	51.3	1.1	1.0
	+ iPN			51.3	0.7	0.2
	- iP			51.2	0.8	1.2
	+ ePE	09	39	14.3	1.1	1.0
	+ ePN			14.4	0.8	0.5
	+ eP			14.3	0.9	0.5
	- ePE	11	05	04.1	1.0	0.5
	+ ePN			04.0	1.1	0.2
	- eP			04.1	0.7	0.2
	+ ePE	15	21	28.1	1.2	0.2
	- ePN			28.1	1.4	0.2
	- eP			28.1	1.0	0.3
	- ePE	18	49	39.6	0.9	0.5
	+ iPN			39.5	0.9	0.5
	- iP			39.4	0.8	0.7
	+ ePE	20	18	18.2	1.3	0.5
	+ ePN			18.3	1.1	0.2
	- eP			18.2	0.8	0.8
30	- ePE	05	11	32.8	1.0	0.2
	+ ePN			32.9	0.6	0.3
	- eP			33.1	0.7	0.5
	- ePE	18	28	07.8	0.8	0.2
	+ ePN			08.1	1.0	0.2
	+ eP			08.0	1.0	0.3
July 01	+ ePE	01	01	28.5	0.5	0.2
	+ ePN			28.5	0.7	0.2

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
July 01	- eP	01	01	28.5	0.7	0.2
	- iPE		28	35.4	1.1	2.2
	- eSE		38	41.2	2.0	1.5
	- ePN		28	35.5	0.8	0.3
	- iSN		38	46.2	2.0	6.5
	+ iXN			40.2	1.1	-
	+ iP		28	35.4	0.9	2.5
	+ ePE	02	16	19.4	0.9	0.2
	+ iXE			28.2	1.2	0.8
	- ePN			19.5	0.9	0.2
	+ eP			19.4	1.1	0.2
	- ePE	07	37	13.2	1.1	0.5
	- ePN			13.2	0.8	0.5
	+ eP			13.2	1.2	0.2
	+ ePE	10	59	51.3	0.5	0.2
	+ ePN			51.2	0.6	0.2
	- eP			51.4	0.6	0.2
	- ePE	18	33	01.6	1.5	0.5
	- ePN			01.6	1.0	0.2
	+ eP			01.7	1.4	0.5
	02	- ePE	02	28	29.2	1.2
- ePN				29.2	1.0	0.2
- eP				29.2	0.9	0.2
- iPE		08	12	54.4	0.4	1.0
+ iPN				54.3	0.4	0.3
- iP				54.3	0.5	1.2
- ePE		11	45	58.0	0.7	0.3
+ ePN				57.9	0.6	0.3
- eP				58.0	0.6	0.3
- ePE		21	07	34.8	0.8	0.5
+ ePN				34.8	1.0	0.2
+ eP				34.9	0.8	0.2
03	+ ePE	00	20	47.1	0.6	0.2
	+ ePN			47.1	0.6	0.2
	+ eP			47.1	0.6	0.2
	- ePE	04	19	20.3	1.0	0.5
	- ePN			20.2	0.8	0.5
	+ eSN		21	30.9	1.8	1.0
	- iP		19	20.0	0.8	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
July 03	- eS	04	21	31.0	1.5	1.2
	- ePE	06	43	56.8	1.3	1.0
	- ePN			56.8	1.0	1.0
	+ eP			56.9	1.0	0.5
	+ ePE	08	21	42.4	1.0	0.5
	+ ePN			42.3	1.4	0.5
	- eP			42.3	0.8	0.5
	+ ePE	09	30	03.1	1.2	1.0
	+ ePN			03.1	1.5	0.5
	- eP			03.1	1.2	0.2
	- ePE	09	57	02.5	0.5	0.2
	- ePN			02.6	0.7	0.3
	+ eP			02.5	0.5	0.2
	+ iPE	12	24	02.8	0.9	0.5
	+ iPN			02.8	0.8	0.8
	- iP			02.7	0.8	0.8
	+ ePE	12	33	30.1	1.5	1.0
	- iXE			36.2	1.4	3.5
	+ ePN			30.3	1.0	1.0
	- eP			30.3	1.1	0.5
	+ iX			36.6	1.0	1.8
	- ePE	13	23	50.4	0.4	0.2
	- ePN			50.9	0.6	0.2
	- eP			50.8	0.4	0.4
	- iPE	15	27	12.9	0.6	0.5
	+ iPN			13.0	0.5	0.2
	- iP			12.9	0.6	0.3
- iPE	23	56	16.4	1.0	2.5	
- iXE			54.2	1.0	8.8	
+ iPN			16.5	0.8	0.8	
- iP			16.4	1.0	2.0	
- iX			54.5	1.0	6.5	
+ iXE	14	27	46.0	0.7	1.0	
- ePN			31.8	0.7	0.2	
- iXN			46.0	0.5	1.0	
+ eP			31.9	0.8	0.2	
- ePE	18	29	40.3	1.0	0.5	
+ ePN			40.5	1.0	0.5	
+ eP			40.4	1.0	0.2	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)		
		h	m	s				
July	05	+ ePE	01	32	40.9	1.2	1.0	
		+ ePN			40.7	0.8	0.5	
		- eP			40.7	0.9	0.5	
		09	+ ePE		49.2	0.7	0.2	
	+ ePN				48.9	0.5	0.2	
	+ eP				49.0	0.6	0.2	
		11	+ ePE	11	44	44.1	1.3	0.5
	- ePN				44.2	1.1	0.2	
	- eP				44.1	1.3	0.2	
		12	+ ePE		38	41.7	0.7	0.2
	+ ePN				41.7	0.6	0.5	
	+ eP				41.8	0.7	0.2	
		14	+ ePE		26	29.9	0.9	0.5
	- ePN				29.9	0.8	0.2	
	+ eP				29.9	0.7	0.5	
		15	+ ePE		08	29.9	0.7	0.2
	+ ePN				29.9	0.7	0.2	
	- eP				29.9	1.2	0.3	
		19	+ ePE		25	44.8	0.7	0.5
	- ePN				44.8	0.7	0.3	
	+ eP				44.8	0.6	0.5	
		23	- ePN		41	20.8	0.7	0.3
	+ eP				20.8	0.7	0.5	
	- iPE				00	35	48.9	0.8
		06	- ePN			48.9	0.8	0.2
	- iP				49.0	0.7	0.5	
	+ ePE				01	33	47.8	0.8
		07	+ ePN			47.8	0.7	0.5
	+ eP				47.8	1.2	0.5	
	- ePE				07	16	07.8	0.6
		11	- ePN			07.7	0.7	0.3
	- eP				07.8	0.6	0.2	
	- ePE				11	18	24.0	0.6
	12	+ ePN			23.9	0.7	0.2	
- eP				23.9	0.8	0.2		
- ePE				12	40	38.8	0.7	0.2
	14	+ ePN			38.8	0.6	0.2	
+ eP				38.8	0.6	0.2		
+ ePE				14	16	12.8	0.9	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
July	06	+ ePN	14	16	12.8	0.6	0.3
		- eP			12.8	1.2	0.2
	+ ePE	18	40	28.9	0.8	0.2	
	+ iX			33.1	0.8	1.0	
	+ ePN			28.9	0.6	0.2	
	+ eP			28.8	0.8	0.2	
	- ePE	19	19	29.6	0.8	0.5	
	- ePN			29.6	0.7	0.5	
	- eP			29.8	0.7	0.2	
	+ ePE	19	49	22.8	0.6	0.2	
	+ ePN			22.8	0.7	0.2	
	+ eP			22.9	0.5	0.2	
	+ ePE	23	06	03.6	0.8	0.5	
	+ ePN			03.8	0.9	0.2	
	+ eP			03.8	0.7	0.2	
	- ePE	00	11	14.8	0.6	0.2	
	+ iXE			17.5	0.8	0.5	
	+ ePN			14.8	0.7	0.2	
	+ eP			14.8	0.7	0.2	
	- ePE	11	14	23.8	1.0	0.3	
	- ePN			23.8	0.9	0.3	
	- eP			23.9	1.0	0.2	
	+ iPE	18	56	03.9	1.0	0.2	
	- iXE			07.1	0.7	0.2	
+ iPN			03.8	1.0	0.5		
+ iXN			07.0	0.8	1.8		
+ iP			03.8	0.6	0.5		
+ iXE	19	12	39.8	0.7	1.0		
+ ePN			35.8	0.6	0.2		
+ eP			35.8	0.7	0.2		
+ ePE	19	50	15.6	0.8	0.2		
+ iXE			51.2	1.0	0.8		
- ePN			15.6	1.2	0.2		
+ eP			15.6	0.8	0.2		
+ ePN	23	10	20.5	1.0	0.2		
+ eP			20.8	0.9	0.3		
- ePE	06	33	24.5	0.7	0.2		
- ePN			24.6	0.6	0.2		
+ eP			24.6	0.6	0.2		
08							

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)		
		h	m	s					h	m	s				
July 08	+ iPE	14	19	38.9	1.3	0.8	July 09	LP + ePE	03	14	03.6	7.5	1.0		
	- iPN			38.8	1.3	1.0		- eSE		23	14.8	13.5	4.0		
	+ iP			38.9	1.4	1.0		- ePN		14	03.6	4.7	0.2		
	+ ePE	17	21	29.8	1.0	1.3		- ePN		23	14.8	13.5	0.5		
	+ ePN			29.8	1.0	0.9		+ ePN	03	42	34.0	1.0	0.5		
	+ eP			29.8	1.0	1.0		+ eP			34.0	1.0	4.5		
	+ ePE	17	24	02.4	1.0	1.0		- ePE	10	02	50.9	1.4	0.5		
	+ ePN			02.3	1.3	1.2		- ePN			50.9	1.5	0.5		
	+ eP			02.3	1.0	0.8		+ iP			51.0	1.4	0.5		
	- ePE	17	36	39.7	0.6	0.2		- ePE	12	39	10.5	0.8	0.2		
	- ePN			39.6	0.6	0.3		- iPN			10.6	0.8	0.2		
	+ eP			39.7	0.7	0.2		+ iP			10.5	0.6	0.6		
	+ ePE	18	49	02.9	0.8	0.2		+ iPE	15	50	57.2	0.7	0.2		
	- ePN			02.8	1.4	0.2		+ iPN			57.2	0.8	0.5		
	- eP			02.8	1.1	0.2		+ eP			57.1	0.6	0.2		
	+ iPE	19	19	26.2	1.2	0.5		+ ePE	19	04	23.2	0.8	0.7		
	+ iSE			29	34.8	3.0		8.0	- ePN			23.0	0.6	0.5	
	- iPN			19	26.5	1.2		0.2	+ eP			23.2	0.7	0.2	
	- iSN			29	34.8	1.8		4.0	- ePE	19	26	23.7	1.0	0.5	
	- iP			19	26.2	1.4		0.5	- iXE			29	33.6	0.8	1.0
	+ eS			29	34.8	1.8		0.8	- ePN			26	23.8	1.1	0.2
	+ ePE	19	37	44.8	0.8	0.5		+ eP			33.7	1.0	0.5		
	- eSE			45	46.8	1.5		0.3	- iX			29	33.5	0.8	1.5
	+ ePN			37	44.8	0.8		0.5	+ ePE	20	02	14.6	0.4	0.8	
	- eSN			45	46.7	1.3		0.5	- ePN			14.6	0.4	0.4	
	+ eP			37	44.8	0.8		0.5	+ eP			14.6	0.6	0.2	
	- eS			45	46.8	1.5		0.3	- ePE	20	30	40.3	1.0	0.8	
	+ ePE	20	14	42.8	1.0	0.4		+ ePN			40.3	1.2	1.5		
	- ePN			42.8	0.7	0.2		+ iP			39.9	1.0	0.2		
	+ eP			42.9	0.7	0.2		+ ePE	21	28	50.8	1.0	0.2		
	- ePE	23	47	11.2	1.0	0.5		+ eP			50.8	0.7	0.2		
	- ePN			11.2	0.5	0.8		- ePE	05	36	59.8	1.4	0.5		
+ eP			11.2	0.6	0.6	+ ePN			59.8	1.1	0.5				
+ ePE	03	14	04.5	1.5	5.0	+ eP			59.8	1.6	0.5				
- eSE			23	20.8	1.8	1.0	+ ePE	09	25	56.8	0.6	0.3			
- iPN			14	04.5	1.3	2.5	- ePN			56.8	0.5	0.2			
- eSN			23	20.8	1.8	5.0	- eP			56.8	0.6	0.2			
+ iP			14	04.6	1.5	5.0	- ePE	12	09	26.6	1.0	0.2			
+ eP			23	21.0	1.8	2.5	+ ePN			26.6	0.7	0.5			

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
July 10	+ eP	12	09	26.6	0.7	0.5
	+ ePE	13	15	31.5	1.1	0.5
	+ ePN			31.5	1.0	0.3
	+ iP			31.4	0.9	0.5
	- ePE	13	45	50.9	0.7	0.5
	+ ePN			50.8	0.8	0.5
	+ iP			51.1	0.6	0.8
	+ ePE	23	55	38.9	0.6	1.5
	+ ePN			38.8	0.6	1.0
	+ eP			38.8	0.6	0.5
	- ePE	23	59	52.8	0.7	1.0
	- ePN			52.8	0.6	0.5
	+ eP			52.8	0.7	0.3
11	- ePE	00	29	39.8	0.5	0.2
	- ePN			39.9	0.6	0.3
	- eP			39.9	0.7	0.2
	- ePE	02	13	35.1	0.7	0.5
	- eP			35.1	0.6	0.5
	+ iPE	10	02	30.4	1.3	3.0
	- eSE		11	21.8	2.0	1.0
	- iPN		02	30.4	1.4	2.0
	- eSN		11	21.8	2.5	2.5
	+ iP		02	30.5	1.3	3.2
LP	- ePE			31.7	12.0	0.2
	+ eSE		11	33.6	15.0	1.5
	+ ePN		02	31.7	9.4	0.2
	- eSN		11	35.6	11.2	0.5
	+ eP		02	29.8	8.4	0.5
	- eS		11	33.6	9.4	0.2
	+ ePE	10	19	36.9	1.0	0.5
	- ePN			36.8	0.8	0.2
	+ eP			36.8	0.8	0.5
	+ ePE	10	30	48.5	1.4	1.0
	- eP			48.3	1.3	0.5
	+ iPE	22	10	43.9	0.9	0.5
	+ iPN			44.0	0.6	1.0
	+ iP			43.9	0.6	0.5
	- iPE	22	49	01.4	1.0	1.5
	+ iPN			01.2	0.8	1.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
July 11	+ iP	22	49	01.1	0.9	0.5
	+ ePE	10	25	04.5	1.5	1.0
12	+ ePN			04.5	0.8	0.5
	- eP			04.5	1.6	0.2
	- ePE	13	15	03.3	1.3	0.5
	- ePN			03.4	1.4	1.0
	+ eP			03.4	1.3	1.0
	+ ePE	16	09	05.2	1.0	0.5
	- ePN			05.2	0.8	0.5
	+ eP			05.1	0.7	0.2
	+ ePE	18	54	49.7	1.4	1.0
	- ePN			49.7	1.4	1.0
	- eP			49.7	1.1	0.5
	+ ePE	22	21	10.7	0.5	0.5
	- ePN			10.7	0.7	0.5
	- eP			10.7	0.8	0.2
13	+ iPE	10	14	58.7	0.5	0.5
	+ iPN			58.7	0.5	0.5
	+ iP			58.8	0.7	0.3
	- ePE	10	17	53.7	0.6	0.5
	- ePN			53.7	0.6	0.2
	- eP			53.7	0.6	0.5
	+ ePE	10	32	08.7	0.6	0.5
	+ ePN			08.7	0.6	0.5
	+ eP			08.9	0.9	0.5
	+ ePE	14	29	58.2	0.3	0.5
	+ ePN			58.2	0.4	0.5
	+ eP			58.4	0.4	0.2
14	- iPE	03	10	27.8	0.7	1.2
	- ePN			27.9	0.9	0.9
	+ iP			27.8	0.8	0.8
	- ePE	06	24	39.1	1.3	1.0
	- eSE		35	09.1	2.5	1.0
	- ePN		24	39.1	1.5	1.0
	- eSN		35	09.1	2.5	2.0
	+ eP		24	39.1	1.5	1.0
	+ eS		35	09.1	2.8	1.5
LP	- ePE		24	40.8	9.4	0.2
	+ eSE		35	09.0	15.0	2.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
July 14	LP - ePN	06	24	40.8	9.4	0.5
	- eSN		35	09.0	11.2	0.2
	+ iP		24	40.8	11.2	3.2
	+ iPPP		29	47.4	12.0	1.5
	+ eS		35	09.0	14.1	2.0
	- iSPP		36	59.6	16.8	9.0
	- iPE	07	50	29.9	1.3	2.2
	+ eSE		54	24.6	1.5	5.0
	- ePN		50	30.1	1.5	0.5
	+ iP			30.0	1.2	1.2
	- eS		54	24.6	1.5	5.0
	+ ePE	08	23	44.6	1.4	0.5
	- ePN			43.6	1.4	0.5
	+ eP			43.6	1.5	0.5
	- ePE	09	17	24.2	1.5	1.0
	+ ePN			24.1	1.7	0.3
	+ eP			24.1	1.5	0.5
	+ ePE	11	00	11.7	1.2	0.2
	+ ePN			11.6	0.8	0.2
	+ eP			11.6	1.4	0.2
	+ ePE	11	43	00.6	1.5	1.6
	+ ePN			00.6	1.6	1.0
	+ eP			00.6	1.1	1.5
	+ ePE	12	03	32.1	1.3	0.2
	- ePN			32.1	1.0	0.2
	+ eP			32.1	0.9	0.5
	- ePE	12	40	47.0	1.3	0.2
	- ePN			47.0	1.0	0.3
	+ eP			46.8	1.2	0.2
	- ePE	12	43	27.2	1.3	0.5
	+ ePN			27.4	1.4	1.0
	+ eP			27.4	1.4	0.5
	+ ePE	13	21	21.9	1.0	0.8
	+ ePN			21.7	0.9	0.2
+ eP			21.7	1.1	1.0	
- ePE	14	11	46.8	1.1	0.3	
+ ePN			46.9	1.2	0.2	
- eP			46.8	1.4	0.5	
+ ePE	15	17	08.4	1.3	2.2	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
July 14	+ ePN	15	17	08.5	1.3	1.0
	+ eP			08.4	1.4	0.5
	- ePE	16	02	44.6	0.8	0.6
	+ ePN			44.6	1.0	0.4
	- iP			44.8	0.7	0.8
	+ ePE	16	51	11.5	1.3	1.2
	- ePN			11.5	0.7	0.3
	+ iP			11.6	1.4	0.5
	+ ePE	17	52	01.9	1.3	0.4
	- ePN			01.9	1.4	0.2
	- eP			01.8	1.3	0.8
	- ePE	18	40	16.8	1.3	0.5
	- iXE			56.9	1.4	2.0
	+ ePN			16.7	1.5	0.8
	+ eP			16.8	1.2	0.5
	+ iX			56.8	1.3	2.0
	- ePE	19	46	38.6	1.3	0.5
	- ePN			38.7	0.9	0.6
	+ eP			38.8	1.3	0.5
	+ ePE	00	21	00.5	0.6	0.2
	+ ePN			00.5	0.7	0.5
	- eP			00.6	0.6	0.2
	+ ePE	06	08	57.5	1.2	0.5
	+ ePN			57.5	1.1	0.5
	+ eP			58.5	1.1	0.5
	- ePE	08	34	02.3	0.7	0.5
	+ ePN			02.3	0.7	0.5
	- eP			02.5	0.6	0.5
	+ ePE	14	10	06.7	1.0	0.5
	+ ePN			06.7	0.6	0.2
	- eP			06.7	1.3	0.5
	- ePE	14	29	15.5	0.7	1.0
	+ ePN			15.5	0.6	0.5
	+ eP			15.5	0.7	0.2
- ePE	18	27	00.7	1.0	0.2	
- iPN			00.7	1.0	0.5	
+ iP			00.7	0.8	0.5	
+ ePE	18	36	21.5	1.8	1.0	
+ ePN			21.5	1.8	0.8	

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Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
July 15	- eP	18	36	21.8	1.7	0.5
	+ ePE	01	28	39.5	0.8	1.0
16	- eP			39.7	0.8	0.6
	- iPE	07	45	34.5	0.9	1.0
	+ ePN			34.5	0.9	0.2
	- iP			34.5	0.9	0.5
	+ ePE	08	00	48.0	1.5	0.2
	+ ePN			48.0	1.0	0.5
	+ eP			48.0	1.5	0.8
	+ ePE	13	32	42.3	1.1	0.5
	+ ePN			42.3	1.0	0.2
	- eP			42.3	1.0	0.5
	- ePE	14	18	43.3	1.2	0.6
	- ePN			43.3	1.2	0.3
	+ eP			43.3	1.2	0.7
	+ ePN	16	19	17.2	1.0	0.5
	- eP			17.2	1.0	0.5
	+ ePE	17	13	08.2	1.0	0.7
	+ ePN			08.2	1.0	0.2
	+ eP			08.2	1.0	0.3
17	+ ePE	02	57	43.2	1.0	0.3
	- eP			43.2	1.2	0.3
	- iPE	05	45	03.4	1.0	0.5
	+ iSE		55	10.9	2.1	2.2
	+ ePN		45	03.4	1.0	0.2
	- iSN		55	10.9	2.0	1.5
	+ iP		45	03.4	1.0	0.7
	+ eS		55	10.9	2.0	0.5
	- ePE	06	51	33.4	1.0	0.7
	+ eP			33.4	1.0	0.5
	+ ePE	08	59	28.7	1.0	1.0
	+ ePN			28.7	1.0	0.5
	- eP			28.7	1.0	1.0
	+ ePN	18	41	24.3	1.0	1.2
	+ eP			24.3	1.0	0.5
	+ iPE	20	21	57.4	0.8	0.5
	+ iPN			57.4	0.9	0.5
	+ iP			57.4	0.8	0.5
18	+ ePE	01	45	26.7	1.0	1.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
July 18	+ eP	01	45	26.7	1.0	0.5
	- ePE	08	51	26.7	1.0	0.3
	- ePN			26.7	0.8	0.2
	+ eP			26.7	0.8	0.2
	- ePE	14	44	30.4	1.0	0.5
	+ iSE		55	15.9	3.8	2.0
	- ePN		44	30.4	1.0	0.2
	+ iSN		55	15.9	3.5	4.2
	+ iP		44	30.5	1.0	0.8
	- eS		55	15.9	2.2	0.2
	LP - ePN		44	30.3	7.5	0.2
	+ eP			30.3	7.5	0.2
	- ePE	23	20	24.3	2.5	0.3
	+ ePN			24.3	2.5	0.2
	- eP			24.3	2.5	0.2
19	+ ePE	00	27	55.5	1.2	1.0
	- eSE		38	27.3	4.0	19.0
	+ ePN		27	55.5	1.2	0.8
	+ iSN		38	27.3	3.0	4.0
	- iP		27	55.5	1.2	1.5
	+ eS		38	27.3	2.5	1.0
	LP - iSE			25.6	9.4	0.5
	+ ePN		27	56.5	5.9	0.2
	+ epPPN		31	38.7	6.6	0.2
	+ iSN		38	25.6	9.4	1.5
	- iP		27	56.5	5.9	0.7
	- ipPP		31	38.7	6.6	0.5
	- iPE	02	15	02.5	1.5	0.8
	+ iP			02.5	1.2	0.8
	- ePE	03	09	21.3	0.9	0.5
	- ePN			21.3	0.9	0.2
	+ eP			21.3	0.9	0.2
	- ePE	15	01	38.3	1.2	1.0
	+ ePN			38.5	1.2	1.0
	+ iP			38.3	1.2	1.0
	- ePE	15	50	53.9	1.3	0.5
	+ eP			53.9	1.5	0.5
	- ePE	23	15	56.3	1.2	0.3
	- ePN			56.3	1.2	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
July 19	+ eP	23	15	56.3	1.0	0.2
	- ePE	05	06	26.8	1.0	0.2
20	+ ePN			27.0	1.0	0.2
	+ eP			26.8	1.0	0.2
	+ ePE	11	31	51.1	1.0	1.0
	- ePN			51.1	0.8	0.8
	+ eP			51.1	0.8	0.2
	+ ePE	17	16	59.5	1.2	0.8
	+ ePN			59.5	1.2	0.8
	- eP			59.5	1.2	0.2
	- ePE	21	39	05.8	1.5	0.3
	+ eP			05.8	1.5	0.5
21	+ iPE	08	01	31.8	0.8	0.6
	+ iPN			31.8	0.7	1.2
	+ iP			31.8	0.8	0.5
	- ePN	08	04	25.1	0.7	0.5
	+ eP			25.1	0.8	0.2
	- ePE	04	32	31.3	1.0	0.2
	+ ePN			31.3	1.2	0.3
	+ eP			31.3	1.3	0.2
	- ePE	12	16	39.3	1.3	0.3
	+ eP			39.3	1.3	0.5
	+ ePE	18	42	02.2	0.8	0.2
	+ ePN			02.2	0.8	0.5
	+ eP			02.2	0.8	0.2
	- ePE	20	08	34.4	1.2	0.5
22	+ eP			34.4	1.2	0.2
	- ePE	02	36	40.7	1.0	0.2
	+ ePN			40.7	1.0	0.5
	+ eP			40.7	1.0	0.2
	+ ePE	03	55	30.2	1.0	0.5
	- ePN			30.2	1.0	0.2
	- eP			30.2	1.0	0.2
	+ ePE	16	05	36.2	1.0	0.2
	- ePN			36.2	1.0	0.3
	+ eP			36.2	1.0	0.3
	+ ePN	19	23	13.2	1.0	1.0
	- eP			13.2	1.0	0.5
	+ ePE	22	26	20.0	1.0	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
July 22	- iP	22	26	20.0	1.0	0.5
	+ ePE	00	07	07.7	1.0	0.5
23	- eP			07.7	1.0	0.5
	- ePE	06	57	43.2	1.5	1.0
	- ePN			43.2	1.5	1.0
	+ eP			43.2	1.5	1.5
	+ ePE	06	59	43.2	1.0	0.5
	+ ePN			43.2	1.0	0.2
	- eP			43.2	1.0	0.5
	+ ePE	08	21	05.2	1.0	0.3
	- ePN			05.2	1.0	0.2
	- eP			05.2	1.0	0.2
	+ ePE	12	09	52.2	1.5	1.0
	- ePN			52.2	1.5	0.5
	+ eP			52.2	1.8	0.5
	+ ePE	17	26	51.2	1.0	0.3
	+ eP			51.2	1.2	0.2
	+ ePE	02	17	03.2	1.0	0.7
24	+ eP			03.2	1.0	0.5
	+ ePE	10	26	38.0	1.0	0.8
	+ iPN			38.0	1.0	0.8
	- iP			38.0	1.0	1.0
	- ePE	13	02	11.3	1.3	0.5
	+ ePN			11.3	1.3	0.5
	+ eP			11.3	1.5	1.0
	+ ePN	20	30	50.5	1.0	0.5
	+ eP			50.5	1.0	0.5
	+ ePE	22	11	14.7	1.0	1.8
	- ePN			14.7	1.0	0.5
	+ eP			14.7	1.0	0.2
	+ iPE	10	18	24.2	1.0	0.5
	- iPN			24.2	1.0	0.5
25	+ iP			24.2	1.0	0.5
	- ePE	14	26	40.5	0.8	0.8
	- ePN			40.5	0.8	0.5
	+ eP			40.5	0.8	1.0
	- ePE	16	01	14.5	1.1	0.3
	- ePN			14.5	1.0	0.2
	+ eP			14.5	1.1	1.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
July 25	- ePE	16	18	38.0	1.0	1.2
	- ePN			38.0	1.0	0.8
July 26	+ iP	22	37	38.0	1.0	0.6
	+ ePE			39.9	1.0	1.0
	+ ePN			39.9	1.0	0.8
	- eP			39.9	1.0	0.5
	+ ePE	01	36	35.0	1.5	1.0
	- iSE			47	4.0	44.0
	+ iXE			40.4	1.2	7.0
	- iPN		36	35.2	1.5	0.5
	- eSN		47	05.2	2.0	2.5
	- iP		36	35.0	1.2	1.2
	- iX			43.2	1.0	10.5
	+ eS		47	06.0	2.0	2.0
	LP + ePE		36	34.8	6.6	0.2
	- eSE		47	05.1	11.2	5.0
	- ePN		36	34.0	7.5	0.2
	+ eSN		47	05.1	9.4	7.0
	+ iP		36	34.0	9.4	0.5
	+ eS		47	05.1	10.3	0.2
	+ ePE	02	07	00.7	1.0	1.0
	+ ePN			00.7	1.0	1.0
	- eP			00.7	1.0	1.2
	+ ePE	02	15	53.2	1.2	1.5
	+ ePN			53.2	1.2	0.2
	- eP			53.2	1.2	2.2
	+ ePE	02	32	31.4	1.0	2.5
	- ePN			31.4	1.0	0.5
+ eP			31.4	1.0	0.8	
- ePE	04	32	26.2	1.5	0.5	
+ ePN			26.2	1.5	0.5	
+ eP			26.0	1.8	0.8	
- iPE	06	40	37.4	1.0	0.5	
- iPN			37.4	1.0	0.6	
+ iP			37.4	0.8	1.0	
+ ePE	06	53	43.4	1.0	0.2	
- eP			43.4	1.0	0.3	
+ ePE	07	12	39.2	1.8	0.8	
+ ePN			39.2	1.8	0.3	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
July 26	- eP	07	12	39.2	1.8	0.6
	- ePE			27.3	1.0	1.0
	- ePN	08	13	27.4	1.0	0.2
	+ iP			27.3	1.0	1.5
	- ePE	09	32	40.2	1.0	0.5
	+ ePN			40.2	1.0	0.2
	+ eP			40.2	1.0	0.3
	- ePE	09	48	00.7	1.0	0.8
	+ ePN			00.7	1.0	0.3
	+ eP			00.7	1.0	1.0
	- ePE	09	50	20.2	0.8	1.0
	+ eP			20.2	0.8	0.8
	- ePE	11	02	51.2	1.0	0.2
	- eP			51.2	1.5	0.3
	- ePE	15	03	05.4	1.0	0.3
	- ePN			05.4	1.0	0.2
	+ eP			05.4	1.0	0.5
	+ ePE	16	28	08.3	1.2	1.0
	- eP			08.3	1.2	1.2
	+ ePE	18	03	12.7	1.0	1.0
	+ ePN			12.7	0.9	0.8
	- iP			12.7	0.9	1.0
	- ePE	18	13	47.5	1.0	0.5
	+ ePN			47.5	1.0	0.5
	- eP			47.5	1.0	0.3
	+ ePE	19	58	38.6	1.2	1.2
	+ ePN			38.5	1.0	0.6
	+ eP			38.2	1.0	0.3
	- ePE	00	35	36.0	1.2	0.7
	- ePN			36.2	1.0	1.2
	+ eP			36.0	1.0	0.5
	+ ePE	02	16	05.5	1.0	0.5
	+ eSE			20	09.5	1.5
- ePN		16	05.5	0.9	1.0	
+ eSN		20	09.3	1.5	8.5	
+ iP		16	05.5	1.2	1.0	
+ eS		20	09.3	1.8	8.0	
LP - ePE		16	06.6	7.5	0.2	
- iSE		20	02.9	9.4	0.6	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
July 27	LP - eSN	02	20	02.9	7.5	0.2	
	- iP		16	06.6	8.4	0.5	
	- iS		20	02.9	9.4	2.0	
	+ ePE	03	06	19.0	0.9	1.8	
	- ePN			19.0	1.0	1.0	
	+ eP			19.0	1.0	1.0	
	+ ePE	06	44	53.0	1.0	0.2	
	- eP			53.0	1.0	1.0	
	+ ePE	07	48	49.0	1.0	0.2	
	- ePN			49.0	1.0	0.5	
	- eP			49.0	1.0	0.5	
	- ePE	14	38	35.2	1.3	1.2	
	- eP			35.0	1.5	0.5	
	- ePE	18	21	47.2	1.5	0.2	
	+ eP			47.0	1.8	0.5	
	+ iPE	21	01	11.0	1.2	2.5	
	- eSE			06	57.5	1.7	0.5
	+ iPN			01	11.0	1.0	1.2
	- eSN			06	57.5	1.5	0.2
	- iP			01	11.0	1.0	2.5
	+ eS			06	57.5	1.5	0.8
	+ ePE	23	48	27.8	1.0	0.8	
	+ ePN			27.8	1.2	0.5	
	- eP			27.8	1.0	1.0	
	+ ePE	00	10	01.8	0.8	0.7	
	- ePN			01.8	0.8	0.8	
	+ eP	00	10	01.8	0.8	0.5	
	- ePE	00	53	23.0	1.0	0.2	
	+ ePN			23.0	1.0	0.3	
	+ eP			23.0	1.0	0.3	
+ iPE	01	23	36.8	1.2	0.5		
+ ePN			36.8	1.2	0.5		
- iP			36.8	1.2	1.0		
- ePE	08	02	07.0	1.2	0.2		
- ePN			07.0	1.0	0.2		
- eP			07.0	1.2	0.5		
- ePE	14	15	58.8	1.0	0.5		
+ eP			58.8	1.0	0.2		
29	+ ePE	02	49	15.0	1.0	1.0	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
July 29	- ePN	02	49	15.2	0.8	0.5
	- eP			15.3	0.8	0.2
	+ ePE	09	19	55.8	1.0	0.3
	+ ePN			55.8	1.0	0.3
	- eP			55.8	1.0	0.3
	- ePE	11	14	56.0	1.0	0.2
	+ ePN			56.0	1.0	0.5
	+ eP			56.0	1.0	0.3
	- ePE	16	29	03.2	1.0	0.3
	- iPN			03.3	1.0	0.3
	+ iP			03.2	1.0	0.7
	+ ePE	19	18	27.0	1.0	0.3
	+ eP			27.0	1.0	0.2
	- ePE	22	38	11.2	1.0	0.2
	- ePN			11.2	1.0	0.5
	+ iP			11.2	1.0	0.5
	+ iX			21.6	1.0	2.2
	- iPE	22	59	56.5	0.9	1.0
	+ ePN			56.5	1.0	0.5
	+ iP			56.5	0.9	0.5
	+ ePE	00	27	13.3	1.0	0.2
	- ePN			13.3	0.9	0.2
	+ eP			13.3	0.9	0.5
	- ePE	04	11	01.5	1.0	0.2
	+ iP			01.5	1.0	0.3
	- ePE	06	31	25.5	1.0	0.3
	- ePN			25.5	1.0	0.5
	+ eP			25.5	1.0	0.7
	+ ePE	13	37	05.0	1.0	0.2
	- ePN			05.0	1.0	0.2
- eP			05.0	1.0	0.2	
- iPE	18	37	03.2	0.8	0.5	
+ iXE			43.5	1.1	1.0	
+ eSE			43	17.5	1.4	0.5
- ePN			37	03.2	0.8	0.2
- iXN			43.7	1.1	0.5	
- eSN			43	17.5	1.5	0.8
- iP			37	03.2	0.8	0.5
+ iX			43.5	1.1	1.3	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
July 30	- eS	18	43	17.5	1.5	0.2
31	+ iPE	22	19	37.8	1.0	0.7
	+ iPN			38.0	1.0	1.0
	+ iP			37.8	1.0	0.7
August 01	+ iPE	02	25	42.5	1.0	1.2
	- iXE			54.8	1.1	1.2
	+ iPN			42.5	1.0	0.5
	- iXN			56.8	1.0	2.5
	- iP			42.5	1.0	2.5
	- ePE	05	27	33.5	1.1	0.2
	- ePN			33.5	1.0	0.5
	- eP			33.5	1.1	0.5
	+ ePE	06	25	20.0	1.0	0.3
	- ePN			20.0	1.0	0.2
	+ eP			20.0	1.0	0.5
	+ ePE	10	51	39.0	1.1	0.2
	- ePN			39.0	1.0	0.5
	- eP			39.0	1.0	0.3
	- ePE	15	48	01.0	0.8	0.8
	+ ePN			00.9	0.8	1.0
	- eP			01.0	0.8	1.2
	+ ePE	23	44	28.0	0.8	0.5
	- ePN			28.0	0.8	0.2
	- eP			28.0	0.8	0.2
02	- ePE	00	33	04.5	1.8	0.5
	+ ePN			04.5	1.0	0.2
	+ eP			04.5	1.8	1.0
	- iPE	04	33	12.0	0.9	1.5
	+ iPN			12.0	0.9	1.0
	- iP			12.0	0.9	1.5
	+ ePE	07	43	47.0	1.2	0.2
	- iXE		44	05.6	1.8	2.0
	+ ePN		43	47.0	1.2	0.2
	+ iXN		44	12.0	1.0	1.0
	- eP		43	47.0	1.0	0.2
	+ iX		44	05.6	1.8	5.0
	LP - iXE	07	46	42.2	10.3	0.5
	- iXN			42.2	9.4	0.3
	- iX		44	06.0	9.4	0.3

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
August 02	LP - iX	07	46	42.2	13.5	1.0
	- ePE	09	14	09.0	1.1	0.5
	+ eP			09.0	1.0	0.3
	+ ePE	13	09	51.0	1.0	0.2
	- ePN			51.0	1.0	0.3
	- eP			51.0	1.0	0.3
	- ePE	13	21	35.1	1.2	1.0
	+ ePN			35.3	1.0	0.2
	- eP			35.3	1.2	1.8
	+ ePE	14	58	51.2	1.0	0.2
	- ePN			51.2	1.0	0.5
	+ eP			51.2	1.0	0.2
	+ ePN	15	24	23.8	1.0	0.2
	+ eP			23.8	1.0	0.2
	- ePE	20	23	09.4	1.0	0.5
	+ eP			09.4	1.0	0.5
03	- ePE	03	49	03.2	1.2	0.2
	+ eP			03.2	1.5	0.5
	+ ePE	04	54	28.5	0.9	0.3
	+ ePN			28.5	0.9	0.3
	- iP			28.5	0.9	0.8
	+ ePE	11	50	38.2	1.2	1.2
	+ iPN			38.2	1.2	1.0
	- iP			38.2	1.2	1.5
04	+ ePE	00	42	39.6	1.0	0.5
	- eP			39.7	1.0	0.5
	+ ePE	01	57	16.9	1.0	0.2
	+ ePN			16.9	1.0	0.5
	- eP			16.9	1.0	0.3
	- ePE	11	42	03.9	1.0	0.2
	- ePN			03.9	1.0	0.3
	- eP			03.9	1.0	0.3
	+ ePE	19	14	35.9	1.0	0.3
	+ ePN			35.9	1.0	0.5
	- eP			35.9	1.0	0.2
	- ePE	19	28	31.5	1.0	0.3
	+ ePN			31.4	1.0	0.2
	- eP			31.4	1.0	0.2
	+ ePE	21	28	00.9	1.0	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
August 04	+ ePN	21	28	00.9	1.0	0.5
	+ eP			00.9	1.0	0.2
05	+ ePE	23	19	36.9	1.0	0.3
	- eP			36.7	1.1	0.3
	- iPE	02	10	57.4	1.2	0.5
	- iXE		11	06.1	2.2	3.5
	- eSE		21	09.3	3.5	4.0
	+ ePN		10	57.6	1.2	0.3
	+ iXN		11	06.7	1.8	3.5
	+ eSN		21	09.4	4.2	2.0
	- iP		10	57.4	1.2	0.5
	- iX		11	06.1	2.0	2.2
	- eS		21	09.4	2.5	0.5
	LP + iSE			18.7	10.3	5.3
	+ ePN		10	56.1	5.9	0.2
	+ eSN		21	18.7	7.5	0.3
	- eP		10	56.1	5.9	0.2
	+ iPE	03	37	01.1	1.0	1.1
	+ ePN			01.1	1.0	0.2
	+ iP			01.1	1.0	0.8
	- ePE	04	36	24.7	1.0	0.3
	- ePN			24.7	1.0	0.5
	+ eP			24.7	1.0	0.5
	- ePE	05	03	01.7	2.0	1.5
	+ eP			01.7	2.0	1.8
	- ePE	09	24	42.3	1.0	0.5
	- ePN			42.3	1.0	0.2
	+ eP			42.3	1.0	0.2
	+ ePE	11	23	32.9	1.0	0.3
	- ePN			32.9	1.0	0.2
+ eP			32.9	1.0	0.2	
+ iPE	11	31	40.9	1.0	0.8	
- iPN			40.9	1.0	1.0	
+ iP			40.9	1.0	1.2	
+ ePE	13	29	08.9	1.0	0.5	
- eP			08.9	1.0	0.2	
- ePE	16	30	22.9	1.0	0.2	
- ePN			22.9	1.0	0.5	
- eP			22.9	1.0	0.2	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
August 05	- ePE	18	09	54.8	1.0	0.2
	- ePN			54.8	1.0	0.2
06	- eP			54.8	1.3	0.2
	- ePE	18	53	54.4	1.3	0.5
	- ePN			54.4	1.3	0.3
	- eP			54.4	1.3	0.2
	- ePE	20	46	06.4	1.0	0.2
	+ ePN			06.4	1.0	0.3
	+ eP			06.4	1.2	0.3
	+ ePE	22	50	09.0	1.0	0.3
	+ ePN			09.0	1.0	0.5
	- eP			08.9	1.0	0.3
	- ePN	13	30	21.9	1.5	0.3
	- eP			21.9	1.5	0.4
	+ ePN	14	58	35.6	0.9	2.0
	+ eP			35.6	0.8	0.5
	+ ePE	17	29	36.5	1.0	0.5
	+ eP			36.5	1.0	0.2
+ ePE	20	24	51.1	1.0	0.5	
- eP			51.2	1.0	0.2	
+ ePN	22	34	12.3	1.2	0.2	
+ eP			12.3	1.2	0.2	
+ iPE	23	04	03.7	1.1	1.0	
+ iPN			03.7	1.0	1.5	
- iP			03.7	1.0	2.0	
+ ePN	02	25	37.0	1.0	0.5	
+ eP			37.0	1.0	0.2	
- ePE	03	52	24.8	1.5	0.2	
+ eP			24.8	1.5	0.2	
- iPE	07	06	04.7	1.5	1.2	
- iPN			04.7	1.5	1.4	
+ iP			04.7	1.5	1.5	
+ ePE	08	40	37.8	1.5	0.5	
- ePN			37.8	1.5	0.5	
- eP			37.8	1.5	1.1	
- ePE	16	27	11.8	1.0	0.2	
+ ePN			11.8	1.0	0.5	
- eP			11.8	1.0	0.3	
- ePE	17	58	09.8	1.0	0.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
August 07	- ePN	17	58	09.8	1.0	0.3
	- eP			09.8	1.5	0.3
	+ ePE	19	35	25.8	1.0	0.5
	+ ePN			25.8	1.0	0.2
	- eP			25.8	1.0	0.5
	- ePN	22	43	29.0	1.5	0.5
	+ eP			29.0	1.8	0.2
	- ePE	23	21	40.4	1.0	0.2
	- ePN			40.4	1.3	0.3
	- eP			40.4	1.0	0.3
08	- ePE	01	37	03.6	1.0	0.5
	+ eP			03.7	1.0	0.2
	+ ePE	03	40	13.0	1.0	0.2
	+ ePN			13.0	1.0	0.2
	- eP			13.0	1.0	0.2
	+ ePN	05	32	37.0	1.0	0.2
	+ eP			37.0	1.0	0.2
	- iPE	06	42	58.3	1.0	1.0
	- iPN			58.3	1.0	1.2
	+ iP			58.3	1.0	1.6
	+ ePE	08	08	55.3	1.5	0.5
	+ ePN			55.3	1.0	0.3
	+ eP			55.3	1.0	0.2
	+ ePE	09	43	13.8	1.0	0.5
	+ ePN			13.8	1.0	0.3
	- eP			13.8	1.0	0.2
	- ePE	11	39	01.8	1.0	0.5
	+ ePN			01.8	1.0	0.5
	+ eP			01.8	1.0	0.2
	- ePE	14	02	03.8	1.0	0.2
	+ ePN			03.8	1.0	0.2
	+ eP			03.8	1.0	0.2
	+ ePE	16	30	02.8	1.0	0.3
	+ ePN			02.8	1.0	0.2
	- eP			02.8	1.0	0.2
	+ iPE	16	49	26.6	1.1	1.5
	+ iPN			26.6	1.0	0.3
	- iP			26.6	1.0	1.2
	- ePE	18	14	12.8	1.0	0.2

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
August 08	- ePN	18	14	12.8	1.0	0.2
	+ eP			12.8	1.0	0.3
	+ ePE	23	33	06.3	1.0	0.2
	+ ePN			06.2	1.0	0.3
	- eP			06.3	1.0	0.2
	- ePN	01	51	26.0	1.0	0.2
09	- eP			25.8	1.0	0.2
	+ ePE	04	21	45.8	1.0	0.4
	- ePN			45.8	1.0	0.2
	+ eP			45.8	1.0	0.5
	+ ePN	06	11	11.8	1.0	0.2
	- eP			11.8	1.0	0.2
	+ ePE	09	21	10.8	1.5	2.0
	+ ePN			10.8	2.0	0.5
	+ eP			10.8	2.0	0.5
	- iPE	12	25	09.8	1.1	2.8
	+ iXE			22.8	1.3	5.0
	+ iSE		35	37.6	2.5	3.0
	- iPN		25	09.8	1.1	1.0
	+ iXN			18.2	1.0	2.0
	+ iSN		35	38.0	2.2	3.0
	+ iP		25	09.8	1.1	3.0
	- eS		35	37.8	2.0	0.5
	- ePE	16	18	03.8	1.5	0.2
	- ePN			03.8	1.5	0.2
	- eP			03.8	1.0	0.2
	- ePE	18	34	04.7	1.0	0.5
	+ ePN			04.8	1.0	0.3
	+ eP			04.8	1.0	0.2
	+ ePE	20	14	47.8	1.2	0.2
	+ ePN			47.8	1.1	0.2
	- iP			47.8	1.3	0.5
	- ePE	20	57	10.8	1.2	0.3
	- ePN			10.8	1.2	0.2
	- eP			10.8	1.2	0.5
	- ePE	03	10	45.8	1.0	1.0
10	- ePN			45.8	1.0	0.5
	- eP			45.8	1.5	0.5
	+ iPE	04	37	05.1	1.0	0.8

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
August 10	+ iPN	04	37	05.1	1.0	0.3
	- iP			05.1	1.0	0.8
	+ ePE	06	13	45.7	1.3	0.5
	- ePN			45.8	1.0	0.3
	+ eP			45.8	1.0	0.2
	- ePE	08	47	02.8	1.2	0.2
	+ ePN			02.8	1.2	0.2
	- eP			02.8	1.2	0.2
	+ ePE	11	36	54.8	1.0	0.3
	+ ePN			54.8	1.0	0.5
	- eP			54.8	1.5	0.3
	+ ePE	14	51	05.8	1.0	0.3
	- ePN			05.8	1.0	0.2
	+ eP			05.8	1.0	0.5
11	+ ePE	00	13	04.8	1.0	0.3
	+ ePN			04.7	1.0	0.5
	- eP			04.8	1.0	0.5
	- ePE	04	27	34.3	1.0	0.3
	+ ePN			34.4	1.3	0.5
	+ eP			34.3	1.0	0.2
	- ePE	05	06	14.1	1.0	0.7
	+ ePN			14.1	1.0	0.3
	+ eP			14.1	1.0	0.3
	+ ePE	06	26	04.8	1.2	0.7
	- ePN			04.8	1.2	0.2
	+ eP			04.8	1.2	0.5
	- ePE	12	20	37.5	1.0	2.5
	- ePN			37.5	1.0	4.0
	- eP			37.4	1.0	1.5
	- ePE	14	31	10.8	1.2	0.5
	+ ePN			10.9	1.2	1.2
	+ eP			10.8	1.2	0.5
	+ ePE	15	28	36.6	1.0	0.5
	- eP			36.6	1.0	0.2
	+ ePE	17	45	07.1	1.0	1.2
	+ ePN			07.1	1.0	1.2
	- eP			07.1	1.0	1.2
	+ ePE	23	14	25.9	0.9	2.0
	- ePN			26.0	0.8	1.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
August 11	+ eP	23	14	26.0	0.8	0.5
	- ePE	04	30	03.3	1.0	0.5
	+ eP			03.3	1.6	0.7
	+ ePE	08	22	50.8	1.0	0.3
	- ePN			50.8	1.0	0.3
	+ eP			50.8	1.0	0.3
	+ ePE	12	32	29.8	1.0	0.3
	+ ePN			29.8	1.0	0.2
	+ eP			29.8	1.0	0.2
	- ePE	13	44	37.3	1.0	0.3
	+ ePN			37.1	0.8	0.7
	+ eP			37.3	1.0	0.3
	- ePE	14	53	12.1	1.0	0.2
	- eSE	15	01	52.1	2.5	3.0
	- iP	14	53	12.1	1.0	0.5
	+ eSN	15	01	52.0	2.0	1.0
	+ iP	14	53	12.1	1.0	0.5
	- ePE	17	01	59.5	1.7	0.6
	- eSE		12	31.8	2.3	6.0
	- ePN		01	59.5	1.7	0.3
	- iSN		12	32.3	2.3	6.3
	+ iP		01	59.5	1.8	0.7
13	- ePE	00	27	57.4	1.0	0.5
	- iXE			58.5	0.8	2.2
	+ eSE		38	13.0	1.8	0.8
	- iP		27	57.4	1.0	0.5
	- iXN			58.5	1.0	2.2
	- eSN		38	12.8	1.6	1.5
	+ iP		27	57.4	1.0	1.0
	+ iX			58.5	1.0	3.5
	- ePE	07	51	57.8	0.9	1.0
	+ ePN			57.8	0.8	0.7
	- eP			57.8	0.8	0.2
	- ePE	08	45	04.0	1.0	0.2
	+ ePN			04.0	1.0	0.2
	+ eP			04.0	1.0	0.2
	- ePE	09	14	35.2	1.2	0.2
	+ ePN			35.2	1.2	0.2
	+ eP			35.2	1.2	0.2

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
August 22	+ ePN	11	36	48.7	0.8	0.5
	+ iXN			54.1	0.7	4.0
	- eP			48.7	0.8	0.5
	+ iX			54.1	0.7	1.3
	+ ePN	15	14	24.8	1.1	0.5
	- eP			24.7	1.2	1.0
	+ ePN	17	18	11.2	1.0	0.3
	+ eP			11.2	1.0	0.5
23	- iPE	01	58	52.9	1.0	0.5
	+ iPN			52.9	1.0	0.2
	- iP			52.9	1.0	1.0
	- iPE	04	21	08.9	1.0	0.5
	- ePN			08.9	1.0	0.3
	+ iP			08.9	1.2	0.5
	- ePE	09	05	41.2	1.0	0.3
	+ ePN			41.4	1.0	0.5
	+ eP			41.2	1.0	0.3
	+ ePE	16	26	54.5	1.2	0.3
	+ eP			54.5	1.2	0.2
	- ePE	18	16	00.8	1.0	0.5
	+ ePN			00.7	1.0	0.2
	+ eP			00.7	1.0	0.5
	- ePE	18	37	12.7	1.0	0.2
	+ ePN			12.7	1.0	0.5
	+ eP			12.7	1.0	0.5
	+ ePE	22	14	30.8	1.0	0.2
	- ePN			30.8	1.0	0.2
	- eP			30.8	1.0	0.3
24	+ ePE	00	07	03.9	1.0	0.3
	- ePN			03.9	1.2	0.2
	+ eP			03.9	1.1	0.2
	- ePE	03	40	23.5	1.0	0.5
	+ ePN			23.5	1.0	0.2
	+ eP			23.5	1.0	0.3
	- ePE	11	06	24.7	1.2	0.2
	- ePN			24.7	1.2	0.5
	- eP			24.7	1.2	0.3
	+ ePE	13	42	23.7	1.0	0.2
	+ ePN			23.7	1.0	0.2

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
August 24	- eP	13	42	23.7	1.0	0.5
	- ePE	14	40	42.7	1.0	0.5
	+ eP			42.7	1.0	0.3
	- ePE	22	26	23.2	1.0	0.2
	- ePN			23.2	1.0	0.2
	+ eP			23.2	1.0	0.3
25	+ ePE	01	20	59.9	0.8	0.5
	- ePN			59.9	0.8	0.5
	- eP			59.9	1.0	0.2
26	- ePE	01	48	22.7	1.0	0.5
	+ ePN			22.7	1.0	0.3
	- eP			22.7	1.0	0.2
	+ iPE	09	45	13.2	1.0	0.3
	+ iPN			13.2	1.0	0.3
	- iP			13.2	1.0	0.4
	- iPE	10	56	59.3	1.2	2.0
	+ iPN			59.3	1.0	0.6
	- iP			59.3	1.0	1.2
	+ ePE	13	27	08.7	1.0	0.3
	+ ePN			08.7	1.0	0.3
	+ eP			08.7	1.0	0.2
	- ePE	17	46	15.6	1.2	0.3
	- ePN			15.6	1.2	0.5
	+ eP			15.6	1.2	0.5
27	- iPE	03	54	19.8	1.0	1.0
	- iPN			19.8	1.0	1.2
	+ iP			19.8	1.0	1.2
	+ ePE	09	37	02.8	1.0	0.3
	- ePN			02.8	1.0	0.8
	+ iP			02.8	1.0	1.2
	+ ePE	18	57	55.4	1.0	0.3
	+ ePN			55.4	1.0	0.2
	+ eP			55.4	1.2	0.2
28	- ePE	04	21	46.0	1.2	0.6
	+ iSE		22	23.5	1.7	1.0
	- ePN		21	46.0	1.0	0.5
	+ eSN		22	23.5	1.7	0.5
	+ iP		21	46.0	1.0	0.8
	+ eS		22	23.5	1.8	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
August 28	- ePE	06	53	39.6	1.2	0.8	
	- ePN			39.6	1.0	0.2	
	- eP			39.6	1.6	0.2	
	- ePE	14	23	42.6	1.0	0.5	
				42.6	0.8	0.5	
				42.6	1.0	0.2	
				42.6	1.0	0.2	
	29	+ iPE	04	18	34.4	1.0	0.7
		+ ePN			34.4	1.0	0.2
		- iP	08	40	34.4	1.0	0.5
		+ ePE			16.7	1.0	0.3
		+ eP			16.7	1.0	0.2
		+ ePE	09	43	01.6	0.8	0.6
					01.7	0.8	0.2
					01.6	0.8	0.8
					01.6	0.8	0.8
- ePE		03	43	38.6	0.8	1.0	
				38.6	0.8	1.3	
				38.6	0.8	0.2	
	38.6			0.8	0.2		
+ ePE	22	59	52.6	1.0	0.5		
			52.6	1.0	0.5		
30	Extreme microseismic activity						
31	Extreme microseismic activity						
September 01	- ePE	03	28	53.1	1.1	0.5	
	+ ePN			53.6	1.0	0.5	
	+ ePE	06	30	44.6	1.1	1.0	
				44.6	0.8	0.7	
	+ eP	20	30	44.6	0.9	0.6	
	+ ePE			48.6	0.8	0.2	
	+ eP			48.6	0.8	0.8	
	02	+ ePE	12	57	39.6	1.3	0.5
		+ ePN			39.6	1.3	0.5
		+ ePE	16	35	42.5	0.7	0.5
- ePN		42.5			0.8	0.5	
03	+ eP	00	00	42.5	0.7	0.5	
	+ iPE			18.1	1.5	2.0	
	+ iPN			18.1	1.4	2.0	
	- iP	07	08	18.1	1.3	2.5	
	+ ePE			54.7	0.8	0.5	
	- ePN			54.5	0.7	0.5	
	+ eP			57.0	0.7	0.3	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
September 03	- ePE	16	59	02.5	1.0	0.5	
	- ePN			02.5	1.1	0.5	
	- eP	19	34	02.5	1.3	0.2	
	- ePE			01.5	0.9	0.2	
	- ePN			01.5	0.7	0.2	
	+ eP	23	25	01.5	0.4	0.2	
				04.5	1.4	1.0	
		+ ePN	23	43	04.5	1.3	0.2
					04.5	1.4	0.2
					04.5	1.4	0.2
					47.2	1.4	0.3
	+ ePE	19	51	46.9	0.9	0.2	
46.9				0.5	0.2		
04	+ ePE	16	14	04.0	0.8	0.2	
	+ eP			03.7	0.8	0.2	
	- iXE	16	13	00.8	1.5	1.5	
	- iXN			00.9	1.0	1.0	
	+ eP	16	14	12.5	1.2	0.5	
	+ iX			01.1	1.4	1.8	
	05	+ ePE	03	13	23.9	1.3	1.5
		- ePN			24.0	0.8	0.8
		- eP	09	47	23.8	1.0	1.2
		- iPE			01.4	0.8	0.5
+ iPN		15	15	01.2	0.9	0.8	
- iP				01.2	0.8	0.3	
- ePE				18.4	0.8	0.2	
06		- ePN	17	17	18.4	0.7	0.3
	- eP	18.4			0.8	0.3	
	+ ePE	18	54	06.6	1.1	0.5	
	+ ePN			06.6	1.0	0.3	
	+ eP	18	54	06.6	1.4	0.5	
	- ePE			35.5	1.5	0.2	
	- eSE	06	56	30.0	2.1	2.5	
	- ePN			35.5	2.1	0.3	
	- eP	06	56	35.5	1.7	0.3	
	- ePE			16.3	0.5	0.3	
- ePN	13	56	16.3	0.8	0.2		
+ eP			16.2	0.7	0.2		
- ePE			15.5	1.5	0.3		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
September 06	- ePN	13	56	15.5	1.0	0.2	
	+ eP			15.5	1.2	0.2	
	- iPE	20	16	03.7	1.0	0.8	
	- iPN			03.7	1.0	1.0	
	+ iP			03.7	1.0	1.5	
	- ePE	21	42	55.5	1.0	0.3	
	- ePN			55.5	1.0	0.5	
	- iP			55.5	1.0	0.5	
	+ ePE	23	48	51.3	1.0	0.5	
	- eP			51.3	1.2	0.5	
	07	+ ePE	01	49	39.5	1.2	0.3
		- ePN			39.0	0.9	0.5
		+ eP			39.5	1.2	0.2
		- ePE	03	37	44.3	1.0	0.2
- ePN				44.3	1.0	0.2	
- eP				44.3	1.0	0.2	
+ ePE		07	36	28.8	1.0	0.2	
- ePN				28.5	1.0	0.2	
- eP				28.5	1.0	0.2	
- ePE		08	05	50.0	1.0	0.5	
+ ePN				50.0	1.0	0.2	
+ eP				50.0	1.0	0.2	
+ ePE		13	04	47.5	1.1	0.5	
+ ePN				47.1	1.3	0.3	
- eP			47.3	0.8	0.2		
08	- ePE	19	16	09.5	1.0	0.5	
	- ePN			09.7	1.0	0.5	
	- eP			09.5	1.0	0.2	
	+ ePE	10	42	44.0	1.8	0.5	
	- ePN			44.0	1.8	0.3	
	- eP			44.3	1.8	0.5	
	- ePE	12	07	39.5	1.0	0.2	
	+ ePN			39.5	1.0	0.2	
	+ eP			39.5	1.0	0.2	
	- ePE	17	19	05.5	1.2	0.2	
	+ eSE		22	49.5	1.8	1.0	
	+ ePN		19	05.5	1.2	0.2	
	+ eSN		22	49.5	2.0	0.8	
	+ eP		19	05.5	1.2	0.2	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
September 08	- iPE	22	21	25.6	1.0	2.0
	- ePN			25.4	1.0	0.5
09	+ iP			25.6	1.0	1.8
	+ ePE	03	37	32.3	1.0	0.3
	- iPN			32.3	1.0	0.5
	+ iP			32.3	1.0	1.0
	+ ePE	05	46	46.7	1.0	0.8
	+ eP			46.7	1.2	0.2
	+ ePE	07	06	49.7	1.0	0.2
	- ePN			49.7	1.0	0.5
	+ eP			49.7	1.5	0.2
	- ePE	10	09	29.5	1.0	0.2
	- ePN			29.5	1.0	0.5
	+ eP			29.5	1.0	0.2
	+ ePE	23	20	21.5	1.5	0.8
	- iXE			31.8	1.5	1.5
10	+ eP			21.5	1.5	0.5
	+ iX			31.8	1.2	2.0
	+ iPE	06	00	58.0	1.0	1.5
	+ iP			58.0	1.0	1.0
	- iPE	06	41	36.1	1.1	0.5
	+ iSE		52	13.5	2.2	1.0
	- iPN		41	36.1	1.1	1.0
	- iXN		52	13.5	2.4	1.2
	+ iP		41	36.1	1.1	1.5
	- ePE	14	01	40.2	1.0	0.2
	+ ePN			40.2	1.0	0.5
	+ eP			40.2	1.0	0.2
	- ePE	17	24	39.2	1.2	1.2
	- ePN			38.9	1.5	0.5
- eP			39.2	1.2	0.5	
11	+ ePE	17	26	44.4	0.8	0.5
	- ePN			44.4	0.8	0.2
	- eP			44.4	0.8	0.2
	+ ePE	04	21	45.4	1.0	1.2
12	- eSE		26	26.7	3.0	2.0
	- ePN		21	45.5	1.0	0.5
	+ eP			45.7	0.8	0.5
	- ePE	05	19	03.4	1.5	0.2

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
September 12	- ePN	05	19	03.4	1.8	0.2
	- eP			03.4	2.0	0.3
	- iPE	08	18	57.2	1.0	0.5
	- iSE		28	56.9	2.3	2.0
	- iPN		18	57.2	1.0	0.5
	- iSN		28	56.7	2.2	2.5
	+ iP		18	57.2	1.0	0.8
	+ eS		28	56.7	2.2	0.5
	- iPE	20	26	15.2	1.0	1.0
	- iSE		27	08.2	1.5	1.0
	- ePN		26	15.2	1.0	0.8
	- eSN		27	08.0	1.5	0.5
	+ iP		26	15.2	1.0	1.0
	+ eS		27	08.0	1.5	1.0
13	- ePE	02	07	17.2	1.2	1.0
	+ ePN			17.2	1.2	0.5
	- eP			17.2	1.2	1.2
	- ePE	08	24	11.2	0.8	0.8
	- iPN			11.2	0.8	1.0
	+ iP			11.4	0.8	0.5
	- ePE	23	04	41.7	1.0	0.2
	+ ePN			41.7	1.0	0.2
	+ eP			41.7	1.0	0.2
	- ePE	03	16	42.7	1.2	0.5
14	+ ePN			42.7	1.0	0.8
	+ eP			42.7	1.0	0.5
	+ ePE	05	33	41.7	1.5	3.0
	+ ePN			41.7	1.5	1.0
	- eP			41.7	1.5	4.0
	- iPE	14	20	39.6	1.0	0.2
	- iPN			39.6	1.0	0.5
	+ iP			39.6	1.0	0.5
	+ ePN	15	33	29.6	1.2	0.5
	+ ePE			29.6	1.4	1.0
	+ ePE	20	05	44.4	1.0	0.2
	+ eP			44.4	1.0	0.5
	- ePE	15	33	29.6	1.2	0.5
	+ ePN			29.6	1.4	1.0
15	+ eP			20.7	0.8	0.5
	+ ePN			20.7	0.8	1.0
	+ eP			20.7	0.6	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
September 15	+ ePE	11	05	34.9	1.0	0.5
	- ePN			34.6	0.8	0.5
16	+ iP			34.6	0.8	0.5
	- ePE	05	29	00.6	1.0	0.5
	+ ePN			00.6	1.0	1.5
	- eP			00.6	1.0	0.5
	+ iPE	06	35	00.7	1.1	1.5
	+ iXE		45	08.6	0.9	3.8
	- iSE			15.9	2.0	5.0
	+ ePN		35	00.7	1.1	0.5
	- iXN		45	08.6	1.0	6.0
	- iSN			16.9	2.0	19.0
	- iP		35	00.7	1.2	1.5
	+ eX		45	08.9	1.0	1.0
	- iS			16.2	1.5	1.5
	- ePE	07	01	16.1	1.2	0.2
17	- eP			16.1	1.8	0.5
	+ ePE	01	32	54.8	1.0	0.5
	- ePN			54.8	0.8	0.5
	+ eP			54.8	0.8	0.2
	+ ePE	02	09	43.8	1.0	0.5
	+ ePN			43.3	1.0	0.5
	+ eP			43.5	1.2	0.3
	- ePE	08	36	11.3	1.0	0.5
	+ ePN			11.5	1.2	0.5
	+ eP			11.5	1.2	0.5
	- ePE	23	27	15.2	1.2	0.5
	- ePN			15.2	1.0	0.5
	+ eP			15.0	1.0	0.2
	18	- ePE	18	13	59.6	1.0
- ePN				59.6	1.0	0.3
+ eP				59.6	1.0	0.3
- ePE		00	40	02.5	1.0	1.0
19	+ ePN			02.5	1.0	0.5
	+ eP			02.5	1.0	0.5
	+ iPE	02	01	57.8	1.0	0.5
	+ iPN			57.8	1.0	1.0
	+ iP			57.8	1.0	0.5
	- ePE	02	04	54.6	1.2	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
September 19	+ ePN	02	04	54.6	1.2	0.5
	+ eP			54.6	1.0	0.5
	+ iPE	10	12	01.5	1.0	0.5
	+ iPN			01.5	1.0	1.0
	- iP			01.5	1.0	1.0
	- ePE	21	57	06.8	1.5	0.8
	+ ePN			06.8	1.5	0.2
	- eP			06.8	1.2	0.5
	- ePE	23	26	18.5	1.2	0.3
	+ ePN			18.5	1.2	0.2
20	+ eP			18.5	1.0	0.2
	- ePE	08	17	01.5	1.0	0.5
	+ iPN			01.5	1.0	2.5
	- iP			01.5	1.0	1.5
	+ ePE	20	37	16.6	1.0	0.5
	- ePN			16.5	1.0	0.5
21	+ eP			16.6	1.0	0.5
	- ePE	05	15	26.6	1.8	0.2
	+ ePN			26.5	1.9	0.3
	+ eP			26.5	1.8	0.2
	+ ePE	18	55	00.4	1.0	0.5
	+ ePN			00.4	1.0	0.5
	- eP			00.4	1.0	0.5
	+ ePE	21	02	08.6	1.0	0.5
	- ePN			08.6	1.0	0.5
	+ eP			08.6	1.0	0.5
	- iPE	21	21	39.9	1.0	1.0
	+ iPN			39.9	1.0	0.8
	- iP			39.9	1.0	1.5
	- ePE	23	19	49.9	1.0	0.5
22	+ ePN			49.9	1.0	0.5
	+ eP			49.9	1.0	0.5
	+ ePE	00	53	25.4	0.8	0.2
	+ ePN			25.4	0.8	0.5
	+ eP			25.4	0.8	0.5
	- ePE	07	37	35.6	1.8	0.5
	- ePN			35.6	1.5	0.3
	+ eP			35.6	1.8	0.5
	+ ePE	22	27	49.9	1.0	0.2

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
September 22	+ ePN	22	27	49.9	1.0	0.5
	+ eP			49.6	1.0	0.5
	- ePE	23	12	34.6	1.5	1.5
	+ ePN			34.4	1.8	0.5
	+ eP			34.4	1.8	0.3
	+ ePE	03	44	16.5	1.2	1.0
	- ePN			16.5	1.0	0.5
	+ eP			16.5	1.0	0.5
	- ePE	07	45	43.6	1.2	2.0
	+ ePN			43.7	1.2	1.2
23	+ eP			43.7	1.2	0.5
	+ ePE	01	29	10.6	1.5	0.5
	- eP			10.6	1.8	0.5
	+ iPE	04	45	16.4	1.8	1.0
	- ePN			16.6	1.8	0.2
	+ iP			16.4	1.8	1.0
	- ePE	18	45	19.4	1.0	0.5
	- ePN			19.4	1.0	1.0
	+ eP			19.4	1.0	0.5
	- ePE	23	03	35.6	1.0	0.5
24	+ ePN			35.6	1.0	0.2
	+ eP			35.6	1.0	0.5
	- ePE	03	34	38.2	1.2	0.5
	- iP			38.2	1.2	0.5
	+ iP			38.2	1.2	0.5
	- iPE	04	49	01.7	0.9	1.2
	+ iSE		59	23.3	1.7	12.0
	+ iPN		49	01.7	0.8	0.8
	- iSN		59	22.0	3.0	19.8
	+ iP		49	01.7	0.6	1.0
25	- eS		59	22.4	1.3	1.6
	- iPE	07	26	22.9	0.5	0.3
	- iPN			22.7	0.6	0.6
	- eP			23.1	0.3	0.3
	- iPE	13	16	53.1	1.1	1.1
	+ iPN			53.0	0.8	0.5
	- iP			53.0	0.9	1.2
	- ePE	20	50	05.9	1.1	0.6
	- ePN			05.9	1.2	0.8

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
September 25	+ eP	20	50	05.9	1.4	1.0	
	+ iPE	22	30	14.2	0.8	0.4	
	+ iPN			14.2	0.5	0.4	
26	- iP			14.1	0.9	0.5	
	+ iPE	01	44	34.9	0.8	1.1	
	- iPN			34.8	0.9	0.5	
	+ iP			34.9	0.9	0.6	
	+ iPE	11	09	01.6	0.6	0.9	
	+ iSE		14	52.6	2.0	6.0	
	+ ePN		09	01.8	0.5	1.2	
	+ iSN		14	52.4	1.5	7.0	
	+ iP		09	01.6	0.6	0.7	
	- iS		14	52.6	1.4	1.5	
	- iPE	16	45	50.6	1.0	3.1	
	- ePN			50.6	0.7	0.3	
	+ iP			50.6	0.9	2.8	
	27	- iPE	06	19	26.0	0.9	0.8
		- iSE		23	08.1	1.4	12.4
+ iPN			19	26.1	1.0	26.7	
- iSN			23	07.8	1.3	24.8	
+ iP			19	26.0	0.8	45.4	
- eS			23	08.9	1.0	1.4	
+ iPE		10	10	13.6	1.1	1.6	
- iPN				13.4	0.9	0.6	
+ iP				13.4	0.7	0.6	
- iPE		12	22	22.0	1.4	0.5	
- iPN				22.0	1.4	1.0	
+ iP				21.9	1.3	0.8	
+ ePE		15	09	01.3	0.6	0.7	
+ ePN				01.5	0.5	0.5	
- iP				01.3	0.5	0.7	
- iPE	15	56	52.9	1.2	0.7		
- ePN			52.9	0.7	0.3		
+ iP			53.0	1.2	1.4		
+ ePE	17	03	31.8	0.7	0.6		
+ ePN			31.7	0.6	1.0		
+ eP			31.5	0.6	0.5		
+ ePE	19	21	05.4	0.3	0.3		
+ ePN			05.5	1.3	0.4		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
September 27	+ eP	19	21	05.6	0.8	0.6	
	+ ePE	22	33	18.6	1.0	0.5	
	+ ePN			20.2	0.8	0.3	
28	+ eP			18.5	1.0	0.5	
	+ ePE	02	46	46.4	0.6	0.7	
	- ePN			46.4	0.5	0.3	
	+ eP			46.4	0.6	0.3	
	+ iPN	23	26	44.0	0.6	2.7	
	- iP			44.0	1.1	4.3	
	- ePE	23	39	41.4	0.4	0.3	
	- ePN			41.4	0.8	0.4	
	+ eP			41.4	0.7	0.7	
	29 30	Extreme microseismic activity					
		- ePE	11	28	31.2	0.7	0.6
- ePN				31.2	0.4	0.3	
- eP				31.2	0.4	0.8	
+ ePE		21	35	48.9	1.2	1.4	
+ ePN				48.9	0.9	1.3	
- eP				48.9	1.0	0.4	
- ePE		21	51	10.6	0.7	0.8	
- ePN				10.6	1.0	0.4	
- eP				10.6	1.0	1.5	
October 01		+ ePN	00	41	49.7	0.5	0.4
		- eP			48.9	0.7	0.3
		+ ePN	05	30	10.9	1.0	0.3
		+ eP			10.4	0.7	0.4
		+ ePN	11	40	45.4	1.2	0.8
	- iP			45.4	1.3	1.0	
	- ePN	22	05	48.9	0.9	0.3	
	+ iP			48.9	0.9	0.9	
	02	+ ePN	07	13	26.2	1.4	1.0
		+ eP			26.3	1.0	0.3
		+ ePN	08	52	01.7	0.7	0.7
		+ eP			01.8	0.8	0.3
		- iPN	16	44	04.2	0.6	0.7
		- iP			04.3	0.7	0.5
		03	- ePN	06	36	35.2	0.7
+ eP					35.2	0.6	0.3
+ iPN			06	42	54.3	0.4	2.8

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
October 03	+ iP	06	42	54.1	0.5	0.7
	+ ePN	08	49	11.4	0.8	1.0
	+ eP			11.1	0.9	0.9
	+ ePN	12	03	03.9	0.5	0.8
	+ eP			04.0	0.9	1.0
	- ePN	13	37	37.4	1.4	0.5
	- iP			37.5	1.2	0.8
	- ePN	14	32	40.4	0.7	0.7
	+ eP			40.4	0.8	0.3
	+ ePN	01	43	41.4	0.8	0.7
	+ iP			40.9	0.8	0.8
	October 04	LP - ePE		43	38.8	11.2
+ eXE			47	36.9	11.2	0.2
- ePN			43	38.8	11.2	0.2
+ eXN			47	36.9	11.2	0.3
+ eSN			50	08.8	15.0	0.5
+ eP			43	38.8	11.2	0.2
- eX			47	36.9	11.2	0.3
+ ePN		03	28	18.1	0.6	0.3
+ iP				17.9	1.0	0.8
- iP		05	09	29.5	0.8	1.7
+ iP				29.8	0.7	1.0
+ ePN		08	57	04.4	1.0	0.8
+ eP				04.0	0.5	0.5
- ePN		11	05	10.3	0.6	0.5
+ eP				10.3	0.8	0.5
- ePN		18	13	36.6	0.4	0.3
+ eP				36.7	0.5	0.3
October 05		+ ePN	01	07	06.9	0.6
	- eP			06.9	0.8	0.7
	- ePN	06	06	42.2	0.7	0.7
	+ eP			42.1	1.0	0.5
	+ ePN	07	42	42.8	0.7	0.9
	+ eP			43.1	0.7	0.3
	- ePN	08	04	25.8	0.6	0.3
	- eP			25.8	0.6	0.3
	+ ePN	04	08	01.2	1.0	0.4
	- eP			00.9	0.7	0.7
October 06	+ ePN	07	25	51.0	0.5	0.4

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
October 06	+ eP	07	25	51.2	0.4	0.3
	- ePN	17	06	28.9	0.8	0.6
October 07	+ eP			29.3	1.2	0.4
	+ ePN	09	03	19.9	1.3	1.0
	- eP			20.4	1.0	0.4
	+ ePN	22	24	04.2	0.5	0.8
October 08	+ eP			04.3	0.6	0.3
	+ ePN	09	54	43.0	0.5	0.4
	- eP			43.8	0.6	0.3
	+ ePN	10	59	28.8	0.7	0.5
	+ eP			30.4	0.7	0.3
	- iPE	14	28	30.0	1.5	1.0
	+ ePN			30.3	1.4	1.0
	+ iP			30.0	1.0	1.5
	- ePE	16	16	12.4	0.7	1.4
	- iXE			42.0	0.4	1.4
	+ eXE		18	43.4	1.3	1.2
	- iXE		26	17.4	1.7	3.1
October 09	- ePN		16	12.4	0.9	1.3
	+ iXN			42.4	0.5	1.7
	+ eXN		18	41.4	1.4	1.1
	+ iXN		26	17.0	1.2	1.6
	+ eP		16	11.4	1.2	0.4
	- iX			41.9	0.5	0.4
	- eX		18	40.8	2.0	1.0
	+ eX		26	17.0	1.0	0.5
	- iPE	11	10	10.4	1.0	1.6
	+ iP			10.3	0.9	1.3
	- iP			10.4	0.9	1.6
	+ ePE	22	10	08.4	1.3	1.2
October 10	+ ePN			07.4	0.8	0.4
	+ eP			07.7	0.7	0.6
	- ePE	21	58	52.1	1.2	1.2
	+ ePN			52.3	0.6	0.8
	- eP			53.3	0.9	0.4
	October 11	Extreme microseismic activity				
- ePE		00	58	37.2	0.6	0.6
+ ePN				37.0	0.8	0.8
October 12	- eP			37.3	0.8	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s.		
October 12	+ ePE	01	30	48.7	1.4	1.1
	- ePN			48.9	0.7	0.8
	- eP			49.3	0.7	0.3
	- iPE	18	05	48.9	1.1	0.4
	- iPN			48.7	1.0	0.8
	+ iP			48.8	0.6	0.7
	+ ePE	22	00	08.5	0.6	0.6
	- ePN			09.1	1.3	0.4
	- eP			08.5	1.0	0.3
	+ ePE	12	03	50.1	1.6	1.0
October 13	- ePN			49.3	1.2	0.3
	- eP			49.2	1.7	1.5
	+ iPE	22	47	40.4	1.0	1.5
	- eXE		54	35.5	1.3	0.9
	- iSE		57	15.0	1.7	2.9
	- iPN		47	40.3	1.1	0.9
	+ eXN		54	36.2	0.8	0.9
	- iSN		57	13.9	2.2	2.0
	+ iP		47	40.5	1.0	1.6
	+ eX		54	36.0	0.9	0.4
October 14	+ ePE	05	33	01.3	0.6	0.3
	+ ePN			01.2	1.2	0.9
	+ eP			01.2	1.0	0.7
	- ePE	09	12	28.2	0.8	0.4
	- ePN			28.5	0.8	0.5
	+ eP			29.2	0.6	0.4
	+ iPE	14	43	32.0	0.8	1.0
	- iSE		53	04.8	2.0	1.4
	- iXE			21.3	1.4	7.4
	+ ePN		43	32.2	0.8	0.8
October 14	+ iSN		53	06.8	1.7	5.0
	+ iXN			18.6	1.4	4.1
	+ iP		43	31.9	0.6	1.0
	+ eX		53	21.2	1.1	1.0
	+ iPE	22	41	25.6	1.4	0.8
	- iPN			26.0	1.4	0.8
	- iP			25.7	1.5	0.5
	+ iPE	22	58	47.3	0.8	1.0
	- ePN			47.6	1.0	2.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
October 14	- iP	22	58	47.8	1.0	0.5
	+ ePE	04	47	19.7	0.9	0.8
	- iPN			19.2	1.0	0.7
	- iP			19.1	1.1	0.7
	+ iPE	10	46	16.6	1.1	1.0
	+ ePN			16.7	1.1	1.4
	+ eP			16.2	1.3	1.3
	- iPE	13	44	02.7	1.2	1.1
	- iPN			02.7	0.8	1.2
	+ iP			02.6	1.0	1.3
October 15	+ ePE	21	17	03.4	0.4	0.3
	- ePN			03.2	0.8	0.4
	+ eP			03.2	0.7	0.5
	- iPE	05	28	30.6	0.8	1.4
	- iPN			30.7	0.7	0.8
	+ iP			30.6	0.6	1.5
	+ ePE	05	58	09.6	0.5	0.4
	+ ePN			09.7	0.5	0.7
	+ eP			09.8	0.6	0.6
	- ePE	21	20	15.2	0.7	0.3
October 16	+ ePN			14.2	0.8	0.3
	- iP			14.2	0.7	0.4
	- iPE	07	02	43.9	0.8	1.0
	- iPN			43.9	0.7	1.2
	+ iP			43.8	0.5	1.8
	+ ePE	12	42	53.6	1.1	0.7
	- ePN			53.8	1.0	0.5
	- eP			53.5	1.0	0.5
	+ iPE	13	07	53.0	1.2	1.4
	+ iPN			52.9	1.2	1.2
October 17	- iP			53.0	1.3	2.0
	- iPE	03	56	26.0	0.8	0.8
	- iPN			25.9	0.8	0.8
	+ iP			26.0	0.7	0.8
	- ePE	10	11	49.7	1.0	0.8
	+ ePN			49.8	1.1	1.1
	+ eP			49.3	1.0	0.9
	- ePE	23	22	37.0	1.1	1.0
	+ ePN			37.0	1.2	0.9

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
October 18	- eP	23	22	37.6	0.5	0.3
	- ePE	07	43	29.3	0.6	0.3
19	- ePN			29.1	0.7	0.3
	+ eP			29.4	0.5	0.3
	- ePE	09	16	58.0	0.5	0.4
	- ePN			58.1	1.0	0.9
	+ eP			58.2	0.6	0.5
	- ePE	11	22	33.5	1.2	0.8
	+ ePN			33.4	0.8	0.4
	+ eP			33.2	1.1	0.8
	+ ePE	12	18	45.6	0.8	0.4
	- ePN			45.6	0.7	0.7
	- eP			45.6	0.6	0.3
	- ePE	05	32	34.2	0.7	0.3
20	- iXE		33	01.8	1.3	2.1
	- ePN		32	34.1	0.7	0.6
	- eP			33.9	0.7	0.5
	+ iPE	19	18	18.0	1.1	1.4
	- iPN			18.2	0.7	0.7
	+ iP			18.0	0.8	1.0
	- ePE	20	36	56.2	0.9	0.6
	+ ePN			56.2	1.0	0.4
	- eP			56.2	0.6	0.4
	- eXE	23	24	25.8	1.1	0.9
	+ ePN			16.4	0.6	0.4
	- eP			16.2	0.6	0.3
21	+ ePE	06	12	05.8	0.6	0.5
	- ePN			05.8	0.8	0.7
	+ eP			05.0	0.6	0.4
	+ iPE	06	55	23.7	1.0	0.7
	+ iPN			23.7	0.7	0.5
	- iP			23.8	1.0	0.6
	+ ePE	19	59	21.0	0.3	0.3
	+ eSE	20	00	23.0	0.6	0.9
	+ ePN	19	59	21.0	0.5	0.3
	+ iSN	20	00	22.8	0.7	1.6
	+ eP	19	59	21.0	0.3	0.3
	- iS	20	00	23.6	0.4	0.9
	+ iSE	20	28	32.6	0.5	0.7

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
October 21	+ ePN	20	18	12.0	0.5	0.4
	+ iSN		28	33.1	0.8	0.7
	- iS			32.8	0.7	0.4
	- ePE	22	29	30.6	0.7	0.5
	+ ePN			30.3	0.7	0.5
	+ eP			30.0	0.6	0.5
22	+ ePE	07	03	00.6	0.5	0.4
	+ ePN			00.9	0.6	0.4
	- eP			00.8	0.6	0.8
	- ePE	20	51	21.3	1.3	0.6
	+ ePN			21.2	0.6	0.5
	+ iPE	22	52	13.2	1.0	0.8
	+ ePN			13.1	1.0	0.5
	+ ePE	01	49	29.3	0.9	2.3
23	+ ePN			29.4	0.8	1.1
	- eP			29.1	1.5	1.8
LP	- eSE		56	09.0	12.0	0.5
	+ ePN		49	33.4	5.9	0.2
	+ iSN		56	09.0	15.0	1.0
	+ eP		49	33.4	7.5	0.2
	+ eS		56	09.0	13.5	0.8
	- iPE	02	54	01.2	1.4	0.9
	- iPN			01.2	1.0	0.9
	+ iP			01.3	0.7	1.0
	+ ePE	06	02	49.6	0.7	0.3
	+ ePN			48.8	0.5	0.4
	+ eP			48.6	1.0	0.9
	+ ePN	22	51	06.7	0.6	0.4
	+ eP			07.0	1.2	0.4
	+ ePE	23	07	25.0	1.2	0.9
	+ ePN			25.7	1.2	0.4
	- eP			25.7	1.0	0.4
24	+ ePE	01	54	37.3	0.7	0.5
	- eSE	02	02	20.4	3.7	6.0
	+ ePN	01	54	37.0	0.6	0.4
	+ eSN	02	02	19.6	3.0	2.1
	+ eP	01	54	37.3	0.5	0.3
	- ePE	02	50	48.7	0.9	0.8
	- eP			48.7	1.0	1.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
October 24	- iPE	05	48	12.8	0.7	1.2	
	+ iPN			12.9	0.5	0.7	
25	- iP	03	59	12.8	0.6	1.1	
	- iPE			33.0	1.4	2.1	
	- iPN			33.0	1.4	1.1	
	+ iP			33.0	1.2	2.3	
26	- ePE	10	47	23.5	0.6	0.8	
	+ eP			23.6	0.7	0.7	
	+ ePE	00	56	48.6	0.9	1.2	
	+ ePN			48.6	0.8	0.4	
	+ eP	01	01	48.6	0.7	0.3	
	+ iPE			50.2	1.0	1.3	
	- eSE			29.0	1.2	3.5	
	+ ePN			50.1	1.1	0.9	
	- eSN			04	28.7	1.5	1.4
	+ iP			01	50.1	1.0	0.8
	- eS			04	28.8	1.8	1.2
	- ePN			05	24	38.6	0.7
	+ eP	15	25	38.5	0.7	1.0	
	+ iPE			32.1	0.6	1.7	
	- iPN			32.0	0.8	1.0	
	+ iP			32.0	0.7	1.7	
27	- iPE	05	03	23.9	0.5	3.2	
	+ iSE			11	42.2	1.0	2.0
	+ iPN	03	11	23.9	0.6	1.2	
	+ iSN			42.8	1.0	1.2	
	- iP	11	02	23.8	0.7	3.7	
	- ePE			12.4	1.1	0.8	
	+ ePN			12.8	1.0	0.4	
	+ iP			12.4	0.9	0.7	
	- iPE	18	11	22.5	1.4	3.0	
	- eSE			21	50.7	2.0	4.1
	- iPN	11	21	22.6	1.2	2.1	
	+ iSN			48.5	1.7	1.6	
	+ iP	11	21	22.5	1.1	3.1	
	LP + iPE			23.3	13.5	0.5	
+ eSE	11	21	34.7	15.0	0.5		
- iPN			23.3	13.5	0.5		
- iSN			34.7	15.0	0.5		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
October 27	+ ePE	22	17	56.9	0.9	0.3
	+ ePN			56.6	0.7	0.5
28	- eP	01	07	56.5	0.7	0.6
	+ ePE			35.2	1.0	0.6
	- iP			35.1	1.0	0.9
	- iPE			35.0	1.0	0.5
	- iPN	12	06	35.0	1.0	0.5
	+ iP			35.0	1.2	0.4
	- ePE	14	33	24.2	1.3	1.0
	- ePN			24.2	1.1	0.6
	+ eP	14	52	24.2	1.3	0.8
	- iPE			10.7	0.7	0.9
	+ iPN			10.7	0.6	0.6
	+ iP			10.5	0.8	0.5
	- ePE	15	26	39.5	0.7	0.9
	- eP			38.4	0.5	0.4
	- ePE	18	12	55.2	1.4	1.1
	- ePN			55.1	1.0	0.4
+ iP	21	20	55.1	1.8	1.1	
- ePE			53.7	0.8	0.7	
- ePN			53.7	0.8	0.6	
+ eP			53.7	0.7	0.7	
+ ePE	00	11	06.9	0.7	0.8	
- ePN			07.7	0.8	0.3	
- iPE	00	55	03.7	0.6	1.9	
- iPN			03.6	0.4	4.0	
+ iP	01	04	03.6	0.7	4.0	
- iPE			04.6	1.0	2.7	
- ePN			04.7	1.3	1.8	
- iP			04.6	0.8	0.7	
+ iPE	14	25	50.2	0.8	0.9	
- iPN			50.3	0.9	0.7	
- iP	20	20	50.1	0.9	1.4	
+ ePN			07.5	0.8	0.3	
- eP	23	04	07.6	1.7	0.6	
+ ePE			28.3	0.4	0.7	
+ ePN			28.3	0.5	0.6	
+ eP			28.2	0.4	0.3	
- ePE	23	22	02.2	0.8	0.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
October 29	- iXE	23	22	26.2	1.8	1.0
	+ ePN			01.9	0.7	0.6
	+ eP			01.9	0.4	0.3
	- iX			26.6	1.7	1.7
	- ePE	23	35	34.7	0.4	0.3
	+ ePN			34.7	0.4	0.3
	+ eP			34.7	0.6	0.3
	+ ePE	03	18	28.0	0.6	0.5
	+ ePN			27.9	0.7	1.1
	- ePE	20	17	47.7	0.8	0.6
October 30	- ePN			47.7	1.0	0.5
	- eP			47.7	1.4	0.8
	+ ePE	06	13	57.9	1.3	1.1
	- ePN			57.7	0.6	0.6
	+ iP			57.5	1.2	0.8
	+ iPE	12	21	11.0	1.0	0.9
	+ iPN			10.9	0.7	1.1
	- iP			10.9	0.7	2.0
	- ePE	06	37	45.9	0.3	0.5
	- ePN			45.9	0.7	0.9
November 01	+ eP			45.9	0.4	0.3
	+ ePE	10	56	37.9	0.5	0.3
	- ePN			37.9	1.4	1.1
	- eP			37.9	1.3	0.4
	- ePE	20	41	49.0	1.2	0.8
	+ iPN			48.6	1.0	0.5
	- iP			48.6	1.2	0.4
	- ePE	21	05	29.5	1.0	0.5
	+ iPN			29.3	0.9	0.8
	- iP			29.2	0.7	0.8
November 02	+ ePE	07	01	20.8	0.5	0.3
	- ePN			20.3	0.6	0.4
	- iPE	07	12	04.0	0.6	1.3
	- iPN			03.8	0.5	0.8
	- eP			04.0	0.6	0.4
	- iPE	22	42	57.6	0.7	1.1
	- iPN			57.6	0.6	0.5
	+ iP			57.5	0.6	0.9
	- ePE	06	49	19.5	1.5	1.9

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
November 03	+ ePN	06	49	20.0	0.6	0.5	
	+ eP			19.6	0.6	0.3	
	+ ePN	08	15	20.7	0.5	0.5	
	+ eP			20.5	0.8	0.3	
	+ ePE	08	16	41.1	0.5	0.6	
	- iPN			41.1	0.7	0.7	
	- eP			41.0	0.6	0.3	
	- ePE	07	46	50.7	0.7	0.4	
	+ eXE			47	21.4	0.9	1.8
	+ ePN			46	50.6	0.4	0.3
November 04	+ eXN			47	21.7	0.6	0.6
	- iPE	08	19	43.8	0.6	0.4	
	+ iPN			43.7	0.4	0.5	
	- eP			43.7	0.5	0.5	
	+ ePE	16	39	15.6	0.9	1.4	
	+ ePN			15.6	0.6	0.7	
	+ eP			15.6	0.4	0.3	
	+ ePE	22	04	19.3	0.6	0.6	
	- ePN			19.1	0.6	0.9	
	- eP			19.1	0.5	0.4	
November 05	+ ePE	01	52	28.6	0.5	0.6	
	+ ePN			28.6	0.6	0.5	
	- ePE	11	01	57.9	1.2	0.6	
	- eP			57.9	0.8	0.5	
	+ ePE	05	09	06.2	0.7	1.1	
	- ePN			06.3	0.4	0.3	
	+ eP			06.3	0.5	0.5	
	- ePE	17	20	54.9	0.8	0.4	
	- eSE			21	47.7	1.0	1.3
	+ ePN			20	54.9	0.9	1.4
November 06	+ eSN			21	47.5	0.9	1.2
	+ eP			20	54.9	0.6	0.4
	- ePE	20	10	02.2	0.7	0.8	
	+ ePN			02.3	0.5	0.3	
	+ eP			02.2	0.4	0.3	
	- iPE	22	23	58.4	1.1	5.3	
	- iPN			58.3	1.2	1.4	
	- iP			58.2	1.3	2.3	
	+ iPE	02	27	54.1	0.8	1.7	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
November 06	+ iPN	02	27	54.0	0.8	0.4	
	- iP			53.9	0.7	0.5	
	+ ePE	10	02	24.8	0.5	0.4	
	- ePN			24.7	0.4	0.4	
	+ eP			24.7	0.4	0.3	
	- ePE	12	12	24.9	1.1	1.0	
	- ePN			23.8	0.6	0.7	
	- eP			23.8	0.6	0.4	
	- ePE	12	42	48.1	1.0	2.0	
	- ePN			47.8	0.9	0.9	
	- eP			48.1	0.6	0.4	
	+ ePE	13	09	02.0	0.7	1.2	
	- ePN			01.9	0.6	0.5	
	- eP			01.8	0.7	0.4	
	+ ePN	13	28	06.2	0.5	0.9	
	+ eP			06.2	0.4	0.4	
	+ iPE	22	19	49.6	1.8	5.8	
	+ iPN			49.6	0.9	2.0	
	+ iP			49.4	1.9	4.0	
	07	+ iPE	02	21	59.7	0.9	4.0
- iP				59.6	1.0	0.8	
- ePE		04	19	57.8	0.8	0.3	
- ePN				57.8	0.8	0.5	
+ iPE		06	08	54.3	0.6	0.5	
+ iPN				54.3	0.7	0.7	
- eP				54.8	0.8	0.6	
- iPE		17	43	16.8	1.3	0.7	
- iPN				16.8	0.8	0.4	
+ iP				16.8	1.4	0.9	
- ePE		23	06	27.4	1.0	0.4	
+ ePN				27.3	1.1	0.4	
+ eP				27.3	0.5	0.3	
08		- ePE	03	20	07.4	1.2	0.5
		- ePN			07.4	0.6	1.0
	+ eP			07.1	1.4	1.1	
	+ ePE	04	52	36.5	0.9	0.9	
	- ePN			36.3	0.9	0.7	
	- eP			36.2	0.8	0.8	
09	- iPE	00	56	02.4	0.4	1.7	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
November 09	- ePN	00	56	02.6	0.5	0.4
	+ iP			02.4	0.4	1.4
	+ iXE	17	38	25.4	1.1	4.2
	+ ePN			22.9	0.7	0.8
	+ eP			22.8	0.8	0.4
	+ iPE	18	00	48.7	0.8	3.2
	- iPN			48.6	0.8	0.8
	+ eP			48.6	0.7	0.5
	- iPE	07	30	25.8	0.8	1.1
	+ iPN			25.7	0.8	0.5
10	- iP			25.8	0.7	1.3
	+ ePN	10	35	52.7	1.1	0.8
	- eP			52.6	0.8	0.7
	- iPE	20	17	29.5	0.7	1.0
	- iPN			29.5	0.8	1.0
	+ iP			29.6	0.6	0.8
	+ ePE	01	54	33.4	1.0	1.8
	- ePN			33.7	0.9	0.7
	+ eP			33.4	0.9	0.7
	+ iPE	06	36	03.7	0.7	0.8
11	+ iPN			03.8	0.6	0.8
	- iP			03.6	0.9	0.8
	- iPE	08	21	06.9	0.9	1.0
	- iXE			30	34.5	1.4
	+ iPN			21	06.9	0.9
	- iXN			30	34.5	1.4
	- iP			21	06.9	0.8
	+ iX			30	35.3	1.1
	+ iPE	06	36	03.7	0.7	0.8
	+ iPN			03.8	0.6	0.8
	- iP			03.6	0.9	0.8
	- ePE	09	59	51.7	0.6	0.5
	+ eP			51.6	0.6	0.4
	+ ePE	14	05	53.4	1.2	1.8
	+ ePN			53.4	0.8	0.7
	+ iP			52.9	1.2	0.8
	+ ePE	16	31	12.9	0.8	0.4
	+ ePN			12.9	0.7	0.7
	+ eP			13.0	0.8	0.4

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
November 11	+ ePE	16	37	09.9	0.8	0.4
	- ePN			09.8	0.5	0.5
12	+ ePN	18	43	38.0	0.4	0.3
	+ eSN		44	05.9	0.7	0.4
	- eP		43	37.9	0.7	0.3
	+ eS		44	06.9	0.9	0.4
	- ePE	23	31	30.8	0.5	0.3
	+ ePN			30.8	0.4	0.3
	+ iPE	10	44	21.9	1.3	0.8
	+ iPN			21.9	0.6	0.7
	- iP			21.8	0.6	0.6
	- ePE	13	49	24.4	1.2	0.8
13	+ ePN			24.4	1.0	0.7
	- ePE	02	40	09.6	0.4	0.4
	- eSE			31.5	0.6	0.6
	- ePN			09.5	0.4	0.4
	+ eSN			31.7	0.6	0.4
	+ ePE	07	31	46.0	0.3	0.3
	- iSE		32	30.1	0.6	0.8
	+ ePN		31	46.0	0.4	0.3
	- iSN		32	30.4	0.3	1.1
	- iS		31	30.4	0.4	0.5
14	- ePE	14	45	52.4	0.6	0.8
	- ePN			52.3	0.7	1.4
	- eP			52.1	0.7	0.4
	+ ePE	15	59	50.1	1.2	0.9
	+ ePN			50.1	1.4	1.0
	+ eP			50.1	1.3	1.0
	+ ePE	07	49	24.5	0.7	1.2
	+ ePN			24.5	1.0	1.0
	+ eP			24.4	0.8	0.6
	- ePE	21	01	39.0	0.7	0.5
15	+ ePN			38.7	1.0	0.7
	+ eP			38.7	0.5	0.4
	+ iPE	22	19	12.3	0.8	0.5
	- ePN			12.2	1.0	0.5
	+ iP			12.2	0.8	0.8
	Extreme microseismic activity					
16	- ePE	01	03	01.7	0.7	0.4

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
November 16	+ eP	01	03	01.7	0.7	0.4
	+ ePE	05	42	33.5	0.7	1.0
17	+ ePN			33.6	0.8	0.8
	- eP			34.3	0.9	0.4
	- ePE	07	01	25.4	0.7	0.8
	- ePN			23.3	0.5	0.4
	+ iPE	07	33	18.1	0.6	0.5
	- iPN			18.0	0.6	0.5
	- eP			18.0	0.7	0.4
	- iPE	19	10	24.0	0.8	1.5
	- iPN			24.0	0.7	2.0
	- iP			23.9	0.8	0.4
18	- iPE	23	01	32.4	0.8	0.8
	+ iPN			32.4	0.8	0.4
	- iP			32.4	0.8	1.2
	+ ePE	05	01	07.0	0.6	2.1
	- ePN			06.8	0.4	0.5
	- ePE	14	24	54.5	0.6	1.0
	- ePN			54.2	0.7	1.1
	- eP			54.5	0.6	0.6
	+ ePE	19	25	37.6	0.6	0.4
	- ePN			37.4	0.7	0.5
19	- ePE	09	15	57.0	1.2	1.7
	- ePN			56.8	1.0	0.5
	+ eP			56.8	1.0	0.2
	+ ePE	13	16	51.9	1.2	0.2
	+ ePN			51.9	1.0	0.2
	- eP			51.9	1.0	0.3
	+ ePE	19	39	24.9	1.0	0.3
	+ ePN			24.9	1.0	0.2
	- eP			24.9	1.0	0.5
	- ePE	08	54	23.7	0.8	0.5
20	+ ePN			23.7	0.8	0.5
	+ eP			23.7	1.0	0.2
	- ePE	11	44	33.9	1.0	0.2
	- eP			33.9	1.0	0.2
	+ ePE	06	20	01.7	1.0	0.3
	+ ePN			01.7	0.9	0.3
	+ eP			01.7	1.0	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
November 20	+ iPE	07	39	30.7	1.0	1.5
	+ iSE		48	57.9	2.0	16.5
	- iXE		49	03.9	1.0	43.0
	+ iPN		39	30.7	1.0	1.5
	+ iSN		48	58.1	1.9	9.0
	- iP		39	30.7	0.8	2.5
	+ iS		48	58.2	2.0	2.0
	+ ePE	14	58	13.9	1.0	2.0
	- iXE			20.4	1.0	4.0
	- ePN			13.9	1.0	0.5
	+ eP			14.1	1.0	0.5
	+ iPE	23	12	12.4	1.5	1.0
	+ ePN			12.4	1.5	0.7
	- iP			12.4	1.5	1.0
21	- iPE	06	10	03.9	1.3	7.3
	+ eSE		20	48.9	1.9	1.5
	- iPN		10	03.9	1.2	3.0
	- iSN		20	48.9	1.9	5.5
	+ iP		10	03.9	1.9	9.5
	- eS		20	49.2	2.0	1.0
	- iPE	06	32	51.9	1.5	4.0
	- iPN			51.9	1.5	1.5
	+ iP			51.9	1.5	3.5
	- iPE	09	02	53.9	0.9	1.0
	+ ePN			53.9	0.9	0.3
	- iP			53.9	1.0	0.8
	+ ePE	09	23	27.4	0.8	0.3
	- ePN			27.1	0.8	0.5
- eP			27.1	0.8	0.2	
22	+ ePE	12	24	43.7	1.0	0.7
	- ePN			43.7	1.0	0.8
	- eP			43.7	1.0	0.3
	- ePE	13	30	18.9	1.0	0.2
	+ ePN			18.9	1.0	0.2
	+ eP			18.9	1.0	0.2
	- ePE	01	06	02.9	1.0	0.5
	- ePN			02.9	1.0	0.2
	+ iP			02.9	1.0	0.5
	- ePE	08	32	34.9	0.8	0.3

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
November 22	- iXE	08	33	01.9	0.8	2.5
	+ ePN		32	34.9	0.8	0.2
	+ iP		32	34.9	0.8	0.5
	+ iX		33	01.9	0.8	1.5
	+ ePE	19	26	01.1	0.8	1.0
	- ePN			01.1	0.8	0.5
	+ eP			01.1	0.8	0.2
	+ iPE	00	18	03.4	0.9	1.0
	+ iSE		23	03.7	1.8	6.0
	- ePN		18	03.4	1.0	0.3
	- iSN		23	03.7	1.3	1.0
	+ iP		18	03.4	0.8	0.8
	+ iS		23	03.7	1.5	1.0
	+ ePE	00	24	23.9	1.0	0.2
23	- ePN			23.9	1.0	0.2
	+ iP			23.9	1.0	0.8
	+ ePE	09	59	48.2	1.0	0.5
	+ ePN			48.5	1.0	0.2
	+ eP			48.4	1.0	0.2
	+ ePE	10	24	46.7	1.0	0.5
	+ eP			46.7	1.0	0.2
	+ ePE	07	24	48.9	0.8	0.5
	- ePN			48.9	1.0	0.5
	+ eP			48.9	1.0	0.5
	- ePE	17	49	23.8	1.0	0.2
	- ePN			23.8	1.0	0.3
	+ eP			23.8	1.0	0.2
	+ ePE	18	18	21.9	1.0	0.3
24	+ ePN			21.9	1.0	0.2
	- eP			21.9	1.0	0.2
	- iPE	19	55	01.9	1.2	7.0
	- iPN			01.9	1.2	0.8
	+ iP			01.9	1.2	3.5
	LP + ePE			02.8	5.9	0.2
	+ ePN			02.8	3.8	0.2
	+ eXN		59	02.8	9.4	0.3
	+ iP		55	02.8	3.8	0.8
	- iX			08.3	7.5	2.8
	- iX		59	02.8	10.3	2.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
November 30	- eP	01	26	10.2	0.9	0.5	
December 01	- ePN	05	59	30.0	0.8	1.0	
	+ eP			30.1	0.8	0.2	
	+ ePE	10	08	35.1	0.9	0.2	
	+ ePN			35.1	0.9	0.5	
	+ eP			35.1	1.0	0.2	
	- ePE	14	19	13.5	1.0	0.2	
	+ ePN			13.5	1.0	0.5	
	+ eP			13.5	1.0	0.5	
	02	- ePE	08	01	15.2	0.8	1.0
		- eP			15.2	0.7	0.2
		- ePE	08	14	15.2	0.9	1.0
		+ ePN			15.2	1.0	0.2
		+ eP			15.2	1.0	0.2
		+ ePE	17	37	40.2	1.0	0.5
		- iXE			47.0	1.0	2.0
		- ePN			40.2	0.9	0.5
		- eP			40.2	1.0	0.5
		+ iX			45.7	1.0	2.0
		+ ePE	08	15	52.3	0.9	1.5
		+ ePN			52.4	1.0	0.2
	03	- eP			52.4	1.0	0.2
		+ ePE	08	53	16.8	0.9	2.0
		+ eP			16.8	1.0	0.2
		+ ePE	10	31	51.4	0.9	1.0
		- eP			51.5	1.0	0.2
		+ ePE	11	37	19.4	0.8	0.2
		- ePN			19.4	0.8	0.2
+ eP				19.4	0.8	0.2	
+ iPE		14	57	45.4	1.0	0.6	
- iPN				45.4	1.0	0.5	
+ iP				45.4	1.0	1.0	
04		- iPE	01	50	04.2	0.8	0.5
		- iPN			04.2	0.8	0.8
		- iP			04.2	0.8	0.7
		- iPE	02	38	57.7	1.2	0.2
	+ iSE			39	24.2	3.0	2.8
	- iPN			38	57.7	1.2	2.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
December 04	+ eSN	02	39	24.2	2.2	0.5	
	+ iP			38	1.1	6.5	
	+ ePE	09	31	07.4	1.0	0.8	
	+ ePN			07.4	1.0	0.2	
	+ eP			07.4	1.0	0.2	
	+ ePE	15	26	04.4	1.5	1.2	
	+ ePN			04.4	1.0	0.2	
	- eP			04.4	1.0	0.2	
	- ePE	16	09	09.4	1.0	0.3	
	- ePN			09.4	1.0	0.2	
	+ eP			09.4	1.0	0.8	
	+ ePE	17	07	43.2	0.8	0.8	
	+ ePN			43.2	0.8	3.2	
	+ eP			43.2	0.8	1.0	
	- ePE	23	55	26.6	1.0	0.2	
	- ePN			26.7	1.0	0.5	
	+ eP			26.6	1.0	0.5	
	05	+ ePE	00	09	48.9	1.2	0.2
		+ ePN			48.9	1.2	0.5
		- eP			48.9	1.2	0.5
		+ ePE	05	10	51.6	1.2	0.3
		- ePN			51.6	1.2	0.2
		+ eP			51.6	1.2	0.2
		+ ePE	14	35	07.4	1.0	0.5
		- ePN			07.4	1.0	0.2
		+ eP			07.4	1.0	0.2
		+ ePE	18	00	47.8	0.9	1.8
- ePN				47.8	0.9	0.8	
+ eP				47.8	0.9	0.8	
06		+ ePE	00	29	50.1	1.0	0.3
		- ePN			50.2	0.9	0.3
		- iP			50.1	0.7	0.6
	+ ePE	02	19	23.6	1.3	1.0	
	+ ePN			23.4	1.2	0.5	
	+ eP			23.4	1.3	0.3	
	- ePE	02	21	49.9	1.0	0.3	
	- ePN			49.9	1.0	0.5	
	+ eP			49.9	1.0	0.6	
	07	+ iPE	03	31	03.5	1.9	21.7

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
December 07	+ eXE	03	34	47.5	1.5	4.5
	+ iPN		31	03.5	1.9	9.0
	- iXN	34	47.5	1.5	6.5	
	+ iP		31	03.5	1.6	3.5
	+ iX	34	47.4	1.6	3.5	
	LP + ePE		31	03.3	5.9	0.2
	- iXE	34	56.6	7.5	2.2	
	+ iPN		31	03.3	3.8	0.5
	+ iXN	35	02.3	5.9	1.0	
	- iPE		06	21	35.3	1.0
	- iPN			35.3	1.0	3.0
	+ iP			35.3	1.0	3.0
	- iX			38.4	0.7	1.0
	- ePE		13	20	03.4	1.0
+ ePN		03.4		1.0	0.3	
+ eP			03.4	1.0	0.3	
+ iPE	16		17	09.8	1.0	0.5
+ eSE			26	50.4	2.0	1.0
+ iPN			17	09.8	1.0	0.5
+ eSN			26	50.4	2.0	1.2
+ iP			17	09.8	1.0	0.5
+ iPE		17	38	31.5	1.0	0.5
- iPN			31.5	1.0	1.0	
+ iP			31.5	1.0	1.0	
+ ePE	02		56	42.4	1.2	2.0
+ ePN			42.4	1.2	1.0	
- iP			42.4	1.2	1.8	
+ iPN		12	38	20.8	1.2	1.2
+ iP			20.8	1.2	1.0	
- ePN		15	13	22.4	1.0	0.5
+ eP			22.4	1.0	0.5	
- iPE		07	35	09.5	1.0	2.0
+ ePN			09.5	1.0	0.5	
+ iP			09.5	1.0	2.5	
- iPE	03		42	49.3	1.0	0.5
- ePN			49.3	1.0	0.2	
+ iP			49.3	1.0	0.5	
- ePE		07	38	25.7	1.5	1.5
- ePN			25.9	1.5	0.3	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
December 11	+ iP	07	38	25.7	1.5	0.5
	+ iX			27.6	7.5	0.2
	+ eX	50	27.6	16.8	0.3	
	+ ePE		10	37	33.2	1.0
	- ePN			33.2	1.0	0.2
	+ eP			33.2	1.0	0.2
	- ePE	11		07	57.4	1.0
	+ ePN			57.4	1.0	0.2
	- eP			57.4	1.0	0.2
	+ iPE		13	43	29.2	1.0
	- iPN			29.2	1.0	0.2
	+ iP			29.2	1.0	0.5
	+ iPE	21		38	53.4	1.0
	- iPN			53.4	1.0	0.5
	- iP			53.4	1.1	0.5
	+ ePE		10	28	04.4	1.0
	+ ePN			04.4	1.0	0.5
	+ eP			04.4	1.0	0.2
	+ ePN	14		32	49.9	1.2
	+ eP			49.9	1.2	0.2
	- ePE	21		27	29.3	1.0
	+ ePN			29.4	1.0	1.0
	+ eP			29.4	1.0	0.3
	- ePN		10	35	15.4	1.2
	- eP			15.4	1.0	0.2
	- ePN		12	18	12.4	1.0
	- eP			12.4	1.2	0.5
	- ePE		17	05	07.6	0.8
	+ eP			07.6	0.8	0.5
	- ePE		09	46	32.7	1.0
	+ ePN			32.7	1.0	0.3
	- eP			32.7	1.0	0.2
+ ePN	15	35		07.3	1.2	0.5
+ eP			07.3	1.2	0.2	
- ePE	16		54	43.9	0.8	0.5
- ePN			43.9	0.8	0.8	
- eP			44.6	0.8	0.2	
+ ePE		18	05	35.0	0.8	1.0
- ePN			35.0	0.8	0.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
December 14	+ eP	18	05	35.0	0.8	0.5	
	- iPE	18	41	34.4	0.8	0.5	
	+ iPN			34.4	0.8	0.5	
	- iP			34.4	0.8	0.5	
	+ ePE	23	00	01.5	1.0	1.0	
	- ePN			01.5	1.0	1.0	
	+ eP			01.5	1.0	0.8	
	15	+ ePE	08	49	37.1	1.3	0.3
		+ iXE			50.2	1.0	1.5
		+ ePN			37.1	1.3	0.5
+ iXN				50.1	0.9	1.0	
+ eP				37.1	1.3	0.3	
- iX				50.1	1.0	8.0	
LP + iPN				40.9	8.4	0.2	
+ iP				40.9	8.4	0.5	
+ ePE		09	42	28.6	1.2	1.0	
+ eP				28.4	1.2	0.5	
16	- ePE	10	47	11.7	1.2	0.5	
	+ ePN			11.9	1.0	0.5	
	+ iP			11.7	1.0	0.8	
	+ ePE	11	30	39.9	1.0	0.5	
	+ ePN			39.9	1.0	0.5	
	+ eP			39.9	1.0	0.5	
	+ ePE	13	27	34.6	1.0	0.2	
	- ePN			34.6	1.0	0.5	
	+ eP			34.6	1.0	0.5	
	+ ePN	13	38	10.9	1.0	0.3	
16	+ eP			10.9	1.0	0.5	
	- ePE	15	26	42.6	1.0	0.2	
	+ eP			42.6	1.3	0.5	
	+ ePE	04	36	42.2	0.8	0.2	
	- eP			42.2	0.8	0.5	
	- ePE	07	07	08.1	0.9	0.5	
	+ ePN			08.1	1.0	0.2	
	+ eP			08.1	1.0	0.5	
	+ ePE	08	33	35.1	1.0	0.5	
	+ ePN			35.1	1.0	0.2	
16	- eP			35.1	1.0	0.6	
	- ePE	12	45	39.6	1.0	0.3	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
December 16	+ eSE	12	49	24.6	1.5	1.0
	+ ePN		45	39.6	1.0	0.2
	+ eSN		49	24.6	1.3	0.5
	+ eP		45	39.6	1.0	0.8
	- eS		49	24.6	1.5	1.0
	+ ePE	13	31	05.0	1.0	0.3
	- ePN			04.9	1.0	0.2
	- iP			04.9	1.0	0.6
	+ ePE	14	48	11.7	1.0	0.3
	- iP			11.7	1.0	0.8
17	+ ePE	15	27	32.6	1.0	0.2
	- ePN			32.6	1.0	0.3
	- iP			32.6	1.0	1.0
	- ePE	18	55	25.7	0.9	0.3
	+ ePN			25.7	0.9	0.3
	+ iP			25.6	0.9	1.0
	- ePE	04	27	23.8	1.2	0.5
	+ ePN			23.8	1.2	0.5
	+ eP			23.8	1.2	1.3
	+ ePE	09	19	46.7	1.0	0.2
18	- ePN			46.7	1.0	0.3
	- iP			46.7	1.0	0.5
	+ ePE	14	18	35.8	1.0	0.3
	+ ePN			35.8	1.0	0.3
	+ iP			35.8	1.0	0.5
	- iPE	18	45	14.6	1.0	0.2
	+ ePN			14.6	1.0	0.3
	+ eP			14.6	1.0	0.5
	+ ePE	19	25	58.6	1.2	0.7
	- iXE		26	12.6	1.2	1.5
18	+ ePN		25	58.6	1.0	0.2
	+ eP			58.6	1.0	0.3
	+ iX		26	12.6	0.9	2.5
	- iPN	19	40	06.4	1.2	0.3
	- eP			06.4	1.2	0.3
	+ ePE	20	47	55.6	1.0	1.0
	+ ePN			55.6	0.9	1.5
	- eP			55.6	0.9	0.6
	- ePE	02	47	40.7	1.0	0.3

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
December 18	+ ePN	02	47	40.7	1.0	0.2
	- eP			40.7	1.0	0.3
19	+ ePE	09	04	02.1	0.9	0.5
	- ePN			02.1	0.9	1.0
	+ eP			02.2	0.9	0.5
	+ iPE	21	47	46.6	1.0	1.0
	- iPN			46.6	1.0	0.5
	+ iP			46.6	1.0	1.0
	+ ePE	22	17	45.3	1.5	1.5
	- ePN			45.5	1.2	0.3
	+ iP			45.5	1.5	0.5
	+ ePE	05	52	54.8	1.0	0.2
+ ePN			54.8	1.0	0.5	
+ eP			54.8	1.0	0.5	
- ePE	05	53	04.6	1.0	0.2	
- ePN			04.6	1.0	0.3	
- eP			04.6	1.0	0.5	
- ePN	06	11	54.8	1.2	0.3	
- eP			54.8	1.0	0.5	
- iPE	08	10	19.8	1.0	1.0	
+ ePN			19.8	1.0	0.2	
- eP			19.8	1.0	0.3	
+ ePE	14	33	44.9	1.5	1.3	
- ePN			45.0	1.0	0.2	
+ iP			45.0	1.5	0.7	
+ ePE	15	52	09.3	1.1	1.0	
- ePN			09.2	1.1	0.2	
+ iP			09.1	1.1	0.8	
+ ePE	00	43	46.6	1.0	0.2	
- ePN			46.6	1.0	0.5	
- eP			46.6	1.0	0.3	
+ ePE	10	41	24.1	1.0	0.8	
- iPN			24.1	1.0	0.2	
+ eP			24.1	1.0	1.0	
- ePE	00	28	51.6	1.0	1.0	
+ ePN			51.6	1.0	0.2	
- eP			51.6	1.0	0.2	
+ ePN	06	49	32.1	1.0	0.5	
+ eP			32.1	1.0	0.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
December 21	+ ePE	19	26	09.6	1.0	0.3
	+ ePN			09.5	1.0	0.5
22	- eP			09.5	1.0	0.2
	- ePE	19	36	11.1	1.0	0.5
	+ ePN			11.1	1.0	0.3
	+ eP			11.1	1.0	0.8
	+ iPE	23	12	17.4	1.0	0.5
	+ iPN			17.6	1.0	0.5
	+ iP			17.4	1.0	0.5
	- ePE	06	48	41.7	1.0	0.3
	- iP			41.7	1.0	0.5
	- ePE	11	22	27.6	1.0	0.2
+ eP			27.6	1.0	0.3	
+ ePE	12	21	44.6	1.0	0.2	
- eP			44.6	1.0	0.3	
- ePE	14	00	24.2	1.0	0.2	
+ ePN			24.1	1.0	0.5	
+ eP			24.1	1.0	0.3	
+ ePE	01	33	58.3	0.7	1.0	
+ iPN			58.3	0.7	4.0	
+ iP			58.3	0.7	1.2	
+ ePE	10	59	35.1	0.8	0.3	
+ ePN			35.1	0.8	0.3	
- eP			35.1	0.8	0.2	
+ ePE	21	46	42.6	0.8	0.2	
- eP			42.6	0.8	0.5	
- ePE	21	25	07.8	1.3	0.2	
- iPN			07.8	1.3	0.5	
+ iP			07.8	1.3	0.5	
+ ePE	22	34	54.9	1.4	0.5	
- eP			54.9	1.5	0.5	
- ePE	23	58	21.6	1.0	0.3	
+ ePN			21.6	1.0	0.2	
- eP			21.6	1.0	0.2	
+ ePE	12	49	26.9	1.2	0.5	
+ ePN			26.9	1.2	0.3	
+ eP			26.9	1.0	0.3	
- iPE	18	04	32.7	0.7	0.5	
+ ePN			32.7	0.7	0.2	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
December 25	+ iP	18	04	32.7	0.7	0.5
	- iPE	16	04	03.8	1.5	0.5
December 26	- iXE			17.8	1.5	2.0
	- ePN			03.8	1.4	0.5
	+ iP			03.8	1.5	0.6
	+ iX			17.8	1.5	2.0
	+ iPE	11	13	21.9	1.5	0.8
	- iSE		23	26.8	1.8	5.0
	- iXE			42.6	1.8	5.5
	+ iPN		13	21.9	1.2	0.4
	+ iSN		23	26.8	1.5	2.2
	- iP		13	21.9	1.2	0.8
	+ iX			29.7	1.0	4.0
	- iS		23	26.8	1.8	1.0
	- iXE	19	14	50.1	1.0	0.5
	- ePN			50.2	1.0	0.3
- eP			50.1	1.0	0.5	
+ ePE	20	00	31.6	1.0	0.5	
- ePN			31.6	1.0	0.3	
- eP			31.6	1.0	0.2	
December 28	- ePE	19	55	47.8	1.0	0.3
	- ePN			47.8	1.0	0.2
	- eP			47.8	1.0	0.8
	+ ePE	22	55	47.4	1.0	0.5
- eP			47.4	1.0	0.3	
December 29	+ ePE	06	39	53.8	0.7	0.2
	- eP			53.8	0.7	1.0
December 30	- ePE	15	52	40.7	1.8	0.2
	+ iXE		53	07.7	2.0	2.2
	- iSE	16	03	02.9	2.7	1.5
	- ePN	15	52	40.7	1.8	0.2
	- eSN	16	03	02.9	2.0	5.5
	- iP	15	52	40.7	1.8	0.5
	- iX		53	07.6	2.0	0.3
	- eS	16	03	02.9	2.0	0.5
	- ePE	14	45	18.7	1.0	0.2
	+ ePN			18.7	1.0	0.3
December 31	- eP			18.7	1.0	0.5
	+ ePE	15	32	56.7	1.5	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
December 31	+ ePN	15	32	56.7	1.8	0.5
	+ eP			56.7	2.0	0.2