

Seismological Bulletin of Syowa Station, Antarctica  
1972

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The present report describes the seismological data of 1972 recorded at Syowa Station. The data of the respective seismic events interpreted from the seismograms of HES and long-period seismographs are listed in chronological order.

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

Seismological observations up to January 1972 were carried out by H. Kobayashi, member of the 12th Japanese Antarctic Research Expedition. For the succeeding period of February 1972 to January 1973, N. Seto, member of the 13th 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) or N (detected by N-S component). The data from long-period seismographs are denoted with LP.

3. Arrival time in G. M. T.
4. Period of the phase in seconds.
5. Trace amplitude in millimetres.

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

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

#### References

- Chiba, H. and K. Kaminuma (1972): Seismological bulletin of Syowa Station, Antarctica, 1970. JARE Data Rep., 16, 66pp.
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- Kaminuma, K. (1970): Seismological bulletin of Syowa Station, Antarctica, 1968-1969. JARE Data Rep., 6, 38pp.
- Kaminuma, K. (1970): Seismological bulletin of Syowa Station, Antarctica, 1969. JARE Data Rep., 9, 62pp.
- Kaminuma, K. and S. Murauchi (1969): Seismological bulletin of Syowa Station, Antarctica, 1959-1962 and 1967-1968. JARE Data Rep., 4, 94pp.

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

Component	Z	N-S	E-W
<b>HES</b>			
$T_1$ (s)	1.0	1.0	1.0
$S_1$ (A/mm)	$2.80 \times 10^{-5}$	$2.03 \times 10^{-5}$	$2.03 \times 10^{-5}$
$R_1$ ( $\Omega$ )	940	920	930
$\Omega_1$ ( $\Omega$ )	820	1160	920
$h_1$	1.0	1.0	1.0
$T_2$ (s)	1.00	1.00	1.10
$S_2$ (A/mm)	$1.30 \times 10^{-9}$	$1.34 \times 10^{-9}$	$1.47 \times 10^{-9}$
$R_2$ ( $\Omega$ )	560	629	560
$\Omega_2$ ( $\Omega$ )	2031	2045	1233
$h_2$	1.0	1.0	1.0
<b>LP</b>			
$T_1$ (s)	20.0	20.0	20.0
$S_1$ (A/mm)	2380	2840	2830
$R_1$ ( $\Omega$ )	3100	2900	3200
$\Omega_1$ ( $\Omega$ )	48	37	156
$h_1$	1.0	1.0	1.0
$T_2$ (s)	20.0	20.0	20.0
$S_2$ (A/mm)	$4.4 \times 10^{-10}$	$5.0 \times 10^{-10}$	$4.0 \times 10^{-10}$
$R_2$ ( $\Omega$ )	370	370	370
$\Omega_2$ ( $\Omega$ )	1130	1130	1130
$h_2$	1.0	1.0	1.0

$T_1$ : Period of the pendulum.

$T_2$ : Period of the galvanometer.

$S_1$ : Sensitivity of the transducer.

$S_2$ : Sensitivity of the galvanometer.

$R_1$ : Resistance of the pendulum coil.

$R_2$ : Resistance of the galvanometer coil.

$\Omega_1$ : External damping resistance of the transducer.

$\Omega_2$ : External damping resistance of the galvanometer.

$h_1$ : Damping constant of the pendulum.

$h_2$ : Damping constant of the galvanometer.

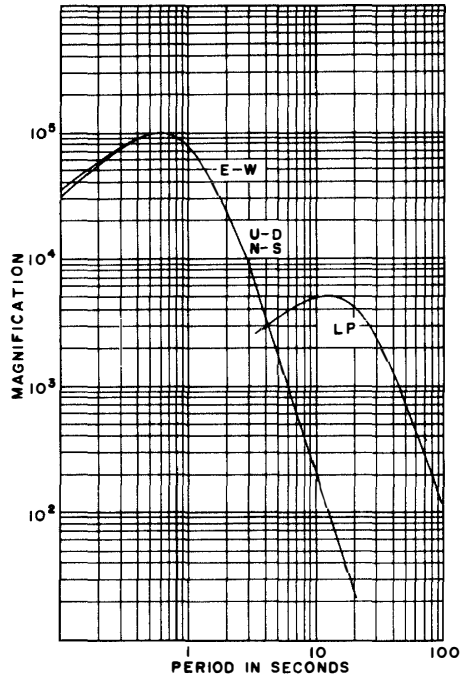


Fig. 1. Magnification curves of HES and long-period seismographs.

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
1972 January 01	+ ePE	10	28	14.9	1.5	0.7
	+ ePN			14.9	1.3	0.5
	- eP			14.9	1.3	0.5
	- iPE	22	18	48.5	1.2	1.0
	- iPN			48.5	1.2	1.2
	+ iP			48.5	1.3	2.0
	- iPE	22	57	47.2	1.1	0.5
	- iPN			47.2	1.0	0.5
	+ iP			47.2	1.1	0.8
02	+ ePE	18	48	48.2	0.8	0.2
	+ ePN			48.2	0.8	0.5
	- eP			48.2	0.8	0.3
	- ePE	22	25	22.4	1.0	0.7
	- ePN			22.4	1.0	0.3
	- eP			22.4	1.0	0.5
03	+ ePE	02	36	31.9	1.0	0.3
	- ePN			31.9	1.0	0.7
	- iP			31.9	1.0	0.3
	- ePE	17	26	16.0	1.0	0.3
	- ePN			16.0	1.0	0.2
	+ eP			16.0	1.0	0.5
04	+ ePE	03	04	35.3	1.2	0.5
	+ ePN			35.7	1.2	0.3
	- eP			35.7	1.2	0.5
	- ePE	03	46	44.8	1.0	0.2
	- eP			44.8	1.0	0.5
	+ ePE	08	46	09.9	0.8	0.5
	+ ePN			09.8	0.8	0.2
	- eP			09.8	0.8	0.2
	- iPE	18	12	39.8	1.0	0.3
	+ ePN			39.8	1.0	0.5
	+ iP			39.8	1.0	0.8
	+ iPE	18	22	36.3	1.0	1.5
	- ePN			36.3	1.0	0.2
	- iP			36.3	1.0	1.0
	- ePE	19	44	10.0	1.0	0.2
	- ePN			10.0	1.0	0.2
	- eP			10.0	1.0	0.3
	+ ePE	20	03	06.3	1.2	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
January 04	- ePN	20	03	06.3	1.2	0.3
	- eP			06.3	1.2	0.3
	+ ePE	20	19	03.3	1.0	0.2
	+ iPN			03.3	1.0	0.5
	- iP			03.3	1.0	1.0
05	+ ePE	03	31	09.8	0.8	0.3
	+ ePN			09.8	0.8	0.5
	- eP			09.8	0.8	0.2
	- ePN	22	19	33.8	0.8	0.3
	- eP			33.8	1.0	0.5
06	- iPE	00	43	15.7	1.2	1.0
	- eSE		53	33.6	2.0	1.5
	- ePN		43	15.7	1.2	0.3
	- iSN		53	33.6	1.8	2.5
	+ iP		43	15.7	1.2	1.5
	- iX			53.6	1.2	2.0
	- eS		53	33.6	2.0	0.5
	- ePE	01	34	36.6	1.0	0.5
	- ePN			36.6	1.0	0.5
	+ eP			36.6	1.0	1.0
	+ ePE	02	08	59.9	1.0	3.0
	+ ePN		09	00.0	1.0	2.5
	+ eP			00.0	1.0	0.8
	+ iPE	06	55	30.8	0.9	0.3
	+ iPN			30.8	0.9	0.8
	- iP			30.8	0.9	0.5
	- ePN	17	07	07.2	1.0	0.3
	+ ePN			07.0	1.0	0.2
	- eP			07.0	1.0	0.3
	- ePE	23	43	28.0	1.2	0.3
	- ePN			28.0	1.0	0.5
	+ eP			28.0	1.0	0.5
07	- ePE	01	39	32.1	0.9	0.5
	- ePN			32.3	0.9	0.7
	+ eP			32.3	0.9	0.5
	- ePE	06	38	52.0	1.0	0.3
	- ePN			52.0	1.0	0.5
	- eP			51.8	1.0	0.3
	+ ePE	07	02	42.8	1.0	1.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
January 07	+ ePE	07	02	42.8	1.0	0.3
	+ eP			42.7	1.0	0.3
08	+ ePE	03	20	49.0	1.0	0.2
	- ePN			49.0	1.0	0.3
	- eP			49.0	1.0	0.5
	- ePE	05	42	03.1	1.0	0.5
	+ ePN			02.9	1.3	0.3
	- eP			02.9	1.3	0.5
	- ePE	05	57	36.0	1.0	0.2
	+ eP			36.0	1.0	0.3
	+ iPE	11	41	14.7	1.2	14.0
	- eSE		46	21.6	2.0	15.5
	- iPN		41	14.7	1.3	2.8
	- eSN		46	21.6	1.8	7.0
	+ iP		41	14.7	1.2	8.0
	- iX			30.3	2.1	3.0
	+ eS		46	22.0	2.0	3.8
	- ePE	21	44	04.1	1.0	0.4
	- ePN			04.1	1.0	0.3
	- eP			04.1	1.0	0.5
	+ ePE	23	22	21.0	1.0	0.3
	- ePN			21.0	1.0	0.3
	- eP			21.0	1.0	0.2
09	+ ePE	07	11	11.8	1.0	0.2
	- ePN			11.8	1.0	0.3
	- eP			11.8	1.0	0.5
10	+ ePE	12	11	38.8	0.6	0.7
	- ePN			38.6	0.6	0.8
	- eP			38.8	0.6	1.0
11	+ ePE	20	36	01.0	1.0	0.8
	- ePN			01.0	1.0	0.2
	+ eP			01.0	1.0	1.5
	+ ePE	16	37	36.1	0.8	0.8
	- ePN			36.1	0.8	0.3
	+ eP			36.1	0.8	0.3
12	+ ePE	07	00	19.0	0.5	0.5
	+ ePN			19.0	0.8	0.5
	+ eP			19.0	0.5	0.2
	+ ePE	09	05	17.3	0.8	0.3

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
January 12	+ ePN	09	05	17.3	0.8	0.3
	+ eP			17.3	0.8	0.5
	- iPE	10	11	14.8	0.8	2.5
	- iSE		20	49.8	2.0	1.2
	+ iPN		11	14.8	0.9	1.6
	- iSN		20	49.8	1.8	7.0
	- iP		11	14.7	0.8	4.2
	- iX			42.0	1.0	2.0
	- eS		20	50.8	1.8	1.0
	- ePE	13	07	33.1	1.0	1.0
	- ePN			33.1	1.0	0.5
	- eP			33.3	1.0	0.5
	+ ePE	14	25	36.6	0.7	0.5
	+ eP			36.6	0.7	1.0
13	- iPE	04	20	05.9	1.1	2.2
	+ iPN			05.9	1.1	1.5
	- iP			05.9	1.1	1.8
	+ ePE	07	00	22.0	0.9	1.0
	+ eP			22.0	1.0	0.5
	- ePN	17	44	12.8	1.0	0.2
	+ eP			12.8	1.0	0.3
	- ePE	21	08	50.8	1.3	1.5
	- ePN			50.9	1.3	1.0
	+ eP			50.9	1.3	0.7
14	- ePE	16	20	43.8	1.0	0.7
	+ ePN			43.6	1.0	0.2
15	- eP			43.6	1.0	0.3
	- ePE	00	46	22.0	1.0	1.0
	+ ePN			22.0	1.0	0.2
	+ eP			22.0	1.0	0.2
	- ePE	03	52	00.9	1.5	1.5
	- ePN			00.9	1.5	1.5
	- eP			00.9	1.5	0.7
	+ ePE	13	14	39.1	0.9	0.5
	+ ePN			39.1	0.9	0.3
	+ eP			39.1	1.0	0.5
	+ ePE	20	59	01.0	1.0	0.3
	- ePN			01.0	1.0	0.7
	+ eP			01.0	1.0	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
January 16	+ ePE	08	01	45.0	1.0	1.5
	- ePN			45.0	1.0	0.5
	- eP			45.0	1.0	0.3
	- ePE	14	16	59.0	1.0	0.5
	+ ePN			59.0	1.0	1.0
	- eP			59.0	1.0	1.5
	+ ePE	23	31	39.3	1.0	0.5
	- eP			39.1	1.2	0.5
	- ePE	00	11	00.1	1.0	0.5
17	- ePN			00.1	1.0	0.5
	+ eP			00.1	1.0	1.0
	- ePN	21	54	31.1	1.0	0.8
18	+ eP			30.9	1.0	0.5
	- iPE	13	03	16.1	1.0	0.6
	+ ePN			16.1	1.0	1.0
	+ iP			16.1	0.8	1.5
	- ePE	22	08	18.8	0.9	2.2
	- eSE		18	48.7	2.0	2.5
	- ePN		08	18.8	0.9	0.5
	+ eSN		18	48.4	1.8	3.0
	+ iP		08	18.8	1.0	0.5
	- eS		18	48.9	1.5	1.0
	+ ePE	22	21	15.8	1.0	1.0
	+ eSE		31	59.9	2.8	2.5
	- ePN		21	15.8	1.0	1.0
	+ eSN		31	59.9	2.8	1.5
	- eP		21	15.8	1.0	1.5
	+ eS		31	59.9	2.0	0.5
	- ePE	23	26	15.7	1.0	1.0
	+ ePN			15.7	1.0	0.2
19	- eP			15.7	1.0	0.5
	- iPE	03	08	45.3	1.0	1.0
	+ ePN			45.3	1.0	0.2
	- iP			45.3	1.0	1.4
	+ ePE	04	00	04.7	0.9	0.8
	+ ePN			04.7	0.9	0.5
	- eP			04.7	0.9	1.0
	- iPE	09	02	15.9	0.8	2.0
	+ iPN			15.9	0.8	1.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
January 19	+ iP	09	02	15.7	0.7	0.7
	+ iPE	15	13	56.2	1.0	0.5
	+ eSE		24	58.1	2.3	6.0
	+ ePN		13	56.2	1.0	0.8
	+ eSN		24	57.9	2.2	1.8
	- iP		13	56.2	1.0	1.2
	+ eS		24	57.9	2.0	0.5
	LP + eSE			52.5	12.2	0.2
	+ eSN			52.5	12.2	0.3
	- eP		13	56.2	8.1	0.2
	- ePE	20	29	44.6	1.5	1.2
	- ePN			44.6	1.5	0.5
20	+ eP			44.6	1.5	1.0
	+ ePE	11	54	24.7	0.9	0.3
	+ ePN			24.6	0.9	0.2
	+ eP			24.6	0.9	0.7
	+ ePE	12	05	45.4	1.0	0.3
	+ ePN			45.4	1.0	0.5
	- eP			45.4	1.0	0.8
	- iPE	12	19	44.9	0.8	0.8
	+ iPN			44.9	0.8	0.5
	- iP			44.9	0.8	1.0
	- ePE	21	15	35.5	1.0	0.5
	+ ePN			35.4	1.0	0.2
	+ eP			35.4	1.0	1.0
	- iPE	19	31	03.7	0.8	2.2
	+ eSE		33	07.8	1.0	1.0
	+ iPN		31	03.7	0.8	1.0
	+ iSN		33	07.8	1.0	0.3
	- iP		31	03.7	0.8	2.3
	- iX			06.3	0.8	0.5
	+ eS		33	07.8	1.0	2.0
	+ ePE	22	07	18.7	1.2	0.3
	+ ePN			18.7	1.2	0.2
	- eP			18.7	1.2	0.5
	- ePE	01	52	34.1	1.0	2.0
22	+ ePN			34.1	1.0	1.0
	+ eP			34.1	1.0	1.0
	+ ePE	21	03	10.6	1.5	0.2

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
January 22	- ePN	21	03	10.6	1.5	0.3
	- eP			10.6	1.5	0.5
23	- ePE	21	30	46.9	2.1	0.8
	+ iXE		31	05.4	1.2	22.5
	- ePN		30	46.9	2.0	2.0
	+ iXN		31	05.4	1.1	12.5
	+ iP		30	46.9	2.3	2.0
	- iX		31	05.4	1.1	20.0
	LP + eP		30	46.9	5.6	0.5
	- ePE	21	47	34.9	1.5	1.0
	+ eP			34.9	1.5	0.8
24	+ ePE	04	00	21.9	1.0	0.5
	- ePN			21.9	1.1	1.0
	+ eP			21.9	1.1	1.0
	- ePE	04	08	39.4	1.8	1.2
	- ePN			39.2	1.8	1.0
	+ eP			39.2	2.0	2.0
	- iPE	04	42	23.4	0.8	1.5
	- ePN			23.6	1.0	0.2
	+ iP			23.4	0.8	2.0
	+ ePE	07	59	31.0	1.0	1.0
	- ePN			31.1	1.0	0.3
	+ eP			31.1	1.0	0.3
	+ ePE	11	42	15.1	1.0	0.3
	- eP			15.1	1.0	0.3
	- iPE	19	50	14.0	1.0	1.0
	- iPN			14.0	1.0	1.5
	+ iP			14.0	1.0	2.5
25	+ ePE	00	58	20.1	1.0	0.5
	+ eP			20.1	1.0	1.0
	- ePE	01	13	18.3	1.0	1.2
	+ ePN			18.2	1.0	1.0
	+ eP			18.2	1.0	1.0
	- ePE	19	43	34.9	1.0	0.9
	- eP			34.9	1.0	0.8
26	+ ePE	03	53	39.0	0.6	1.0
	+ ePN			39.0	0.6	0.5
	- eP			39.0	0.6	1.2
	+ ePE	06	04	18.2	1.0	1.2

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
January 26	- ePN	06	04	18.2	1.0	0.2
	+ eP			18.2	1.0	0.2
	- iPE	23	12	00.2	0.8	1.0
	+ iSE		14	19.0	2.0	4.0
	- iPN		12	00.2	0.8	1.9
	- iXN			01.8	0.7	2.8
	+ eSN		14	19.0	2.0	1.5
	+ iP		12	00.2	0.8	1.0
	+ iX			01.8	0.7	6.5
	- iS		14	19.0	2.2	4.0
	+ iPE	23	20	37.8	0.6	0.5
	+ iXE		21	24.0	1.0	4.5
	+ ePN		20	38.0	0.6	1.5
	- iXN		21	24.0	1.0	4.2
	+ iP		20	37.8	0.6	1.0
	+ iX		21	34.0	1.8	2.0
	- iX			44.0	1.3	6.0
	- iPE	23	44	11.0	0.8	0.5
	- iPN			11.0	0.8	0.8
	+ iP			11.0	0.8	1.0
27	Extreme microseismic activity					
28	- iPE	01	28	43.6	1.3	3.0
	- iPN			43.8	1.0	2.5
	+ iP			43.6	1.0	4.0
	- iX		29	12.0	1.2	6.5
	+ ePN	17	55	57.0	0.8	1.0
	+ eP			57.0	0.8	0.5
	+ ePE	18	45	57.2	1.0	4.0
	+ eP			57.2	1.0	1.0
29	- iPE	20	16	45.0	0.8	0.5
	+ iP			45.0	0.8	1.5
30	Extreme microseismic activity					
31	- ePE	17	49	50.5	1.0	1.0
	- ePN			50.5	1.0	0.3
	+ eP			50.5	1.0	0.5
February 01	- ePE	08	48	17.0	0.8	1.0
	+ ePN			17.0	0.8	1.2
	+ eP			17.2	0.8	0.5
	- iPE	15	22	06.8	0.9	1.0



Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
February 01	+ ePN	15	22	06.8	0.8	0.8	
	- iP			06.8	0.9	1.5	
02	- ePE	02	03	54.4	1.0	0.5	
	+ ePN			54.4	1.0	1.0	
03	+ eP			54.4	1.0	1.0	
	- ePN	22	55	50.7	1.0	0.2	
	+ eP			50.7	1.0	0.5	
	- ePE	05	33	14.8	0.9	0.5	
	+ ePN			14.8	0.9	0.5	
	+ eP			14.8	1.0	0.5	
	+ iPE	08	49	14.1	1.2	1.0	
	- iPN			14.0	1.0	0.5	
	- iP			14.0	1.1	1.0	
	- iX			51.9	1.8	2.0	
04	- ePE	19	40	41.5	0.7	1.0	
	+ eP			41.5	0.7	0.3	
	- ePE	02	12	39.7	1.0	0.5	
	- ePN			39.7	1.0	0.8	
	+ eP			39.7	1.0	0.5	
	+ iPE	06	28	43.9	1.0	1.5	
	- iPN			43.9	1.0	0.3	
	+ iP			43.9	1.0	1.8	
	+ ePE	07	14	48.5	1.0	0.5	
	- ePN			48.7	1.0	0.3	
05	+ iP			48.7	1.0	0.8	
	- iPE	13	40	45.4	1.0	1.6	
	+ iPN			45.4	1.0	0.8	
	- iP			45.4	1.0	2.0	
	Extreme microseismic activity						
	06	+ ePE	21	11	17.8	1.0	1.0
		- iP			17.8	1.2	1.0
	07	+ ePE	00	31	54.0	1.2	0.3
		- ePN			53.8	0.9	0.3
	08	+ eP			53.8	1.0	0.5
- ePE		07	00	43.6	0.8	1.5	
- ePN				43.5	0.8	0.2	
+ iP				43.5	0.7	1.0	
+ ePE		07	29	04.6	1.0	1.0	
+ ePN				04.6	1.0	0.8	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
February 08	- eP	07	29	04.6	1.0	0.3
	+ ePE	09	40	51.4	1.0	1.2
	+ ePN			51.4	1.0	0.2
	+ eP			51.4	1.0	0.3
	+ ePE	18	38	23.0	1.0	0.2
	- ePN			23.0	1.0	0.5
	- eP			23.0	1.0	0.3
	+ ePE	23	38	27.0	1.3	1.0
	+ ePN			27.1	1.5	0.8
	+ eP			26.8	1.5	1.8
09	- iPE	03	13	08.5	1.0	1.2
	- iPN			08.7	0.9	1.0
	- iP			08.5	1.0	0.5
	+ iPE	14	02	49.3	1.0	1.2
	+ ePN			49.3	1.0	0.2
	- iP			49.3	1.0	1.2
	- ePE	20	46	08.7	1.0	0.5
	+ ePN			08.7	1.0	0.8
	- eP			08.7	1.1	0.9
	+ ePE	20	53	27.9	1.0	1.0
10	- ePN			27.9	1.0	0.9
	+ eP			27.9	1.0	1.0
	- ePE	00	18	41.3	1.0	1.0
	+ ePN			41.1	1.0	0.3
	+ eP			41.1	1.0	0.5
	- ePN	06	04	05.7	1.0	1.0
	+ eP			05.7	1.0	0.5
	- ePN	21	18	29.4	1.0	0.3
	- eP			29.4	1.0	0.2
	- ePE	07	28	45.7	0.6	1.0
11	- ePN			45.7	0.6	0.3
	+ eP			45.7	0.6	0.2
	- ePE	19	05	10.6	1.2	1.0
	- ePN			10.6	1.2	0.8
	+ eP			10.6	1.2	2.3
	- ePE	03	21	54.8	1.0	1.0
	+ ePN			54.8	1.0	0.2
	- iP			54.8	1.0	0.8
	+ iP	10	13	18.7	0.9	1.8

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
February 13	+ iP	10	13	18.7	1.0	2.0	
	- ePE	21	12	17.7	0.8	0.8	
14	+ ePN			17.7	0.8	0.3	
	- eP			17.7	0.8	1.0	
	- ePE	07	14	19.7	0.8	0.5	
	- ePN			19.7	0.8	1.0	
	- eP			19.7	0.8	0.3	
	+ ePE	18	08	28.9	0.8	0.8	
	+ ePN			28.9	0.8	1.3	
	- eP			28.9	0.8	1.0	
	- ePE	23	42	47.1	1.0	3.0	
	+ ePN			46.9	1.0	1.0	
	+ iP			46.9	1.0	5.5	
	LP + iPE			47.8	11.3	1.0	
	+ iSE		53	31.6	13.1	3.5	
	+ iP		42	46.7	11.3	5.0	
15	+ ePE	08	42	01.2	1.0	2.0	
	+ ePN			01.2	1.0	1.0	
	- eP			01.2	1.0	0.5	
	- ePE	21	00	27.9	1.0	3.0	
	+ ePN			27.9	1.0	2.0	
	+ eP			27.9	1.0	1.0	
	16 Extreme microseismic activity						
	17	+ ePE	00	52	14.8	1.0	0.6
- ePN				14.8	1.0	1.0	
- eP				14.8	1.0	1.0	
+ ePE		04	57	56.4	1.0	1.2	
+ ePN				56.4	1.0	0.2	
- eP				56.4	1.0	1.0	
18		+ ePE	15	42	30.8	1.0	1.0
		- ePN			30.8	1.0	0.3
	+ eP			30.8	1.0	0.5	
	- ePE	16	15	36.8	0.8	1.0	
	- ePN			36.8	0.8	0.5	
	- eP			36.8	0.8	0.3	
	19 - 22 Extreme microseismic activity						
	23	+ ePN	18	32	13.8	1.7	0.5
24	- eP			13.8	1.7	2.0	
	- ePN	00	42	26.8	0.8	0.3	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
February 24	- eP	00	42	26.8	0.8	0.5	
	+ ePN	16	03	28.6	1.0	0.5	
25	- eP			28.6	1.0	0.5	
	- ePN	01	22	52.7	1.0	0.5	
	+ iP			52.7	1.0	0.8	
	LP + eP			53.0	10.3	0.2	
	+ ePN	08	55	39.6	0.8	0.5	
	- eP			39.6	0.8	0.5	
	- ePN	02	32	23.5	1.0	0.2	
	- eP			23.5	1.0	0.8	
	+ ePN	05	15	27.3	1.0	0.5	
	- eP			27.3	1.0	0.5	
26	- ePN	02	32	23.5	1.0	0.2	
	- eP			23.5	1.0	0.8	
27	+ ePN	05	15	27.3	1.0	0.5	
	- eP			27.3	1.0	0.5	
28	- ePN	08	01	38.2	0.8	0.5	
	+ eP			38.2	1.0	1.0	
	- ePN	22	17	05.6	1.0	2.8	
	- eP			05.6	1.0	1.5	
	+ ePN	06	26	37.9	1.0	1.0	
	- eP			37.9	1.0	1.0	
	29	- ePN	09	41	50.0	1.2	0.5
		- eP			50.0	1.2	1.5
	March 01	- ePN	10	01	31.6	1.0	0.5
		- eP			31.3	1.0	1.5
- ePN		09	17	31.8	1.0	1.2	
+ eP				31.8	1.0	1.0	
+ ePN		09	38	45.3	1.3	0.2	
- eP				45.3	1.3	1.5	
02 - 03 No records							
04		+ ePN	10	27	47.7	1.0	0.5
	+ eP			47.7	1.0	1.0	
05	Extreme microseismic activity						
06	- ePN	19	08	41.0	0.9	1.0	
	- eSN		11	41.2	1.0	0.5	
	- iP		08	41.0	0.9	1.0	
	- eS		11	41.2	1.1	0.8	
	+ ePN	05	36	21.2	0.8	0.2	
	- eP			21.2	0.8	0.5	
	+ iP	07	57	05.6	1.1	3.0	
	- iSN			45.6	1.8	8.5	
	+ iP			05.6	1.0	3.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
March 07	- eS	07	57	45.9	1.5	1.5	
	+ ePN	13	44	33.6	0.8	1.0	
March 08	- eP			33.6	0.8	0.5	
	+ ePN	01	36	08.3	1.0	1.2	
	+ eP			08.1	0.9	1.0	
	- ePN	03	43	32.8	1.0	1.0	
	+ eP			32.8	1.0	0.5	
	+ ePN	03	58	11.0	1.0	0.8	
	+ iP			10.7	1.2	2.0	
	- ePN	06	48	47.5	1.0	0.5	
	+ iP			47.5	1.0	2.0	
	+ ePN	10	11	36.7	1.0	1.0	
	+ eP			36.7	0.9	0.5	
	+ ePN	19	25	51.9	0.8	0.2	
	+ eP			51.9	1.0	0.2	
	March 09	- ePN	00	25	54.8	0.8	0.5
		+ eP			54.8	0.8	0.2
+ ePN		05	02	25.8	1.0	0.2	
- eP				25.8	1.0	0.5	
+ ePN		09	30	09.5	0.8	0.2	
+ eP				09.5	0.8	0.5	
- ePN		10	18	40.8	0.7	0.7	
+ eP				40.8	0.8	0.5	
- ePN		18	10	58.2	1.0	0.2	
+ eP				58.2	1.1	0.3	
+ ePN		20	03	51.1	1.0	0.3	
- eP				51.1	0.8	0.3	
- ePN		22	13	25.6	1.0	0.5	
- eP				25.3	0.8	0.2	
March 10		+ eP	23	34	32.3	1.0	0.3
	- ePN	02	43	28.3	1.0	0.5	
	- eP			28.3	1.0	0.3	
	+ ePN	02	59	36.1	0.8	0.2	
	+ eP			36.1	1.0	0.3	
	- ePN	19	07	24.0	1.0	1.5	
	+ eP			24.0	1.0	1.0	
	- ePN	20	06	35.8	1.0	1.2	
	+ eP			35.8	1.0	0.5	
	- ePN	03	30	10.1	1.0	0.2	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
March 11	+ iP	03	30	10.0	0.9	1.0	
	+ iPN	03	57	47.9	0.7	1.0	
March 13 - 24	No records						
March 25 - 26	Extreme microseismic activity						
March 27	- ePN	13	24	24.9	1.0	1.0	
	- eP			24.9	1.0	1.0	
	- ePE	08	03	33.2	0.8	1.2	
	+ ePN			33.1	0.8	1.0	
	+ ePE	08	06	00.6	0.5	0.5	
	- ePN			00.6	0.8	0.5	
	+ ePE	14	09	33.9	1.1	2.0	
	- iSE			18	44.7	1.8	11.0
	+ ePE	20	23	05.0	0.8	0.3	
	+ ePE	23	52	23.3	1.0	1.0	
	March 29	- ePE	06	09	18.3	1.0	0.5
		+ ePE	06	47	33.6	1.0	0.8
		- ePE	14	39	46.1	1.0	0.8
		+ iPE	15	26	36.2	0.9	5.0
		- ePE	15	42	53.1	1.0	1.0
+ iPE		16	26	16.3	1.0	1.0	
+ ePE		17	16	01.1	1.2	1.0	
+ ePE		18	42	26.8	0.8	1.0	
+ iPE		19	15	11.0	1.2	1.0	
+ iPE		19	35	50.1	1.0	1.5	
- ePE		20	16	03.2	0.8	1.0	
- ePE		21	42	23.0	0.8	0.5	
+ ePE		22	32	00.2	0.9	0.5	
March 30		+ ePE	02	27	51.5	1.2	1.0
		+ iPE	05	46	14.8	1.5	5.5
	+ iSE			55	39.3	2.8	35.5
	LP + iPE			46	15.0	7.5	1.0
	- iSE			55	37.5	13.1	9.5
	+ iP			46	15.0	7.5	2.8
	+ iX			48	01.9	5.6	2.0
	+ ePE	15	43	25.7	1.0	1.0	
	March 31	- ePN			25.8	1.0	2.0
		- ePE	15	48	39.8	1.0	1.0
		- ePN			39.8	1.1	7.0
		- ePE	02	35	54.2	1.2	1.0
		April 01					

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
April	01	- ePN	02	35	54.2	1.2	1.5
		- ePE	10	58	41.3	1.0	0.2
		+ ePN			41.2	1.0	1.0
	02	- ePE	11	13	10.2	1.1	1.0
		- ePN			10.2	1.0	1.5
		+ ePE	00	00	50.4	1.0	1.0
		+ ePN			50.5	1.2	1.0
		LP + ePE			51.6	9.4	0.5
		+ eSE		08	30.3	10.3	1.8
		- iP		00	51.6	9.4	1.5
		+ iPE	00	27	08.3	1.3	4.0
		+ iPN			08.4	1.2	3.5
		+ ePE	00	48	29.6	1.2	0.8
		- iPN			29.8	1.2	2.0
		+ ePE	09	14	31.4	1.2	1.5
		+ ePN			31.1	1.1	2.0
		- ePE	21	43	05.2	2.2	1.2
		- ePN			05.1	2.3	1.0
	+ eP			05.1	2.5	1.8	
	LP - eP			06.6	7.5	1.5	
	03	+ ePE	17	19	36.1	0.8	0.5
		- ePN			36.1	0.8	0.3
		+ eP			36.1	0.8	0.2
	04	+ ePE	02	52	59.1	1.1	2.0
		+ ePN			59.1	1.2	0.5
		+ eP			59.3	1.5	0.2
		+ iPE	22	54	44.9	0.8	30.5
		+ iSE	23	04	21.1	1.8	25.0
		+ iPN	22	54	45.1	0.8	1.5
		- iSN	23	04	21.1	1.8	17.0
		LP - ePE	22	54	45.0	8.4	0.8
		+ iSE	23	04	21.6	11.0	3.2
		+ iSN			21.6	11.3	5.0
- iP		22	54	45.0	8.4	3.0	
+ iS		23	04	21.6	11.3	2.0	
- ePE		23	21	11.1	1.0	1.8	
+ ePN				11.1	1.5	0.5	
05		+ ePE	03	57	19.3	0.8	0.2
	- ePN			19.3	0.8	0.2	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)		
		h	m	s				
April	06	+ iPE	03	27	11.7	1.2	7.5	
		+ ePN			11.8	1.0	0.5	
		+ ePN	00	11	45.0	0.9	0.8	
	07	- ePE	21	16	28.6	1.0	1.5	
		- ePN			28.6	0.8	1.0	
		- ePE	14	44	25.2	0.9	1.5	
		+ ePN			25.2	0.8	1.0	
		- ePE	02	20	28.2	1.4	0.5	
		- ePN			28.2	1.2	1.2	
		LP + eP			26.5	9.4	0.5	
		+ ePE	10	53	53.3	1.0	0.5	
		- ePN			53.3	1.0	0.5	
		+ ePE	14	40	06.4	1.0	0.3	
		+ ePN			06.4	0.9	0.5	
		- ePE	23	24	25.1	0.8	0.5	
		- ePN			25.1	0.8	0.5	
		08	- ePE	02	33	45.0	0.8	0.5
			+ ePN			45.0	0.8	0.2
	- ePE		06	31	09.4	0.8	0.5	
	+ ePN				09.4	0.8	0.8	
	- ePE		06	46	54.0	0.8	1.0	
	+ ePN				54.0	0.8	0.5	
	+ ePE		12	39	39.7	0.8	1.5	
	+ ePN				39.5	0.8	1.0	
	+ ePN		18	14	15.6	1.0	1.0	
	12 - 13		Extreme microseismic activity					
	14		- ePE	00	37	13.2	1.0	0.5
			+ ePN			13.2	1.0	0.5
			- ePE	02	41	07.2	0.8	0.5
			- ePN			07.2	0.8	0.5
			- ePE	19	56	57.2	0.9	0.5
		- ePN			57.2	1.0	1.0	
		- ePE	06	49	06.2	1.0	0.5	
- ePN				06.3	1.0	1.0		
15		+ ePE	11	17	36.1	0.8	0.5	
		+ ePN			36.1	1.0	2.0	
		+ ePE	12	17	37.5	0.8	1.2	
		+ ePN			37.4	0.8	0.8	
		- ePE	21	11	02.1	0.8	0.5	
		16						

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
April 16	- ePN	21	11	02.1	0.7	0.5
	- ePE	21	15	35.0	0.8	1.0
	- ePN			35.0	0.8	1.0
	- ePE	22	19	10.1	0.9	1.0
	- ePN			10.0	1.0	0.5
	+ ePN	23	09	38.5	1.0	1.5
17	- ePE	07	21	47.3	0.8	0.3
18	+ ePN			47.3	0.8	0.3
	+ iPE	02	01	11.0	1.1	1.5
	+ iPN			11.0	1.0	1.8
	+ ePE	03	37	23.6	1.0	1.2
	+ ePN			23.6	1.0	1.0
	- ePE	10	23	06.2	0.8	0.5
	+ ePN			06.2	0.8	0.3
	- ePE	13	29	33.9	1.1	1.2
	+ ePN			34.0	0.8	0.5
	- ePE	18	31	52.0	0.8	1.5
	- eSE		41	29.1	3.0	5.5
	- ePN		31	52.0	0.8	1.0
	+ eSN		41	30.0	1.8	2.0
	+ ePE	20	49	32.0	0.9	0.5
	- ePN			32.0	1.0	1.0
	+ ePE	05	41	20.0	1.0	1.0
19	+ ePN			20.0	1.0	1.8
	- ePE	10	56	08.2	1.0	0.2
	+ ePN			08.2	1.0	0.3
	+ ePE	16	09	25.4	0.8	0.3
	- ePN			25.4	0.8	0.5
	+ ePE	23	04	27.3	1.0	0.3
	- ePN			27.3	1.0	0.5
	+ ePE	04	04	27.8	0.8	0.5
20	+ ePN			27.8	1.0	0.5
	+ ePE	17	14	10.3	1.0	1.3
	+ ePN			10.3	1.0	0.5
	- eP			10.3	1.0	1.5
21	- ePE	01	43	44.4	1.0	2.2
	+ ePN			44.4	1.0	0.3
	+ eP			44.4	1.0	2.0
	- ePN	01	48	18.6	0.8	0.3

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
April 21	+ eP	01	48	18.6	0.8	0.5
	+ ePE	18	30	38.1	0.8	0.2
	+ ePN			38.1	0.9	0.3
	+ eP			38.1	1.0	0.5
22	+ ePE	09	21	25.7	1.0	0.3
	+ ePN			25.7	1.0	0.2
	- eP			25.7	1.0	0.3
	- ePE	15	38	11.3	1.0	1.5
	- ePN			11.2	0.8	1.0
	+ eP			11.2	0.8	0.3
23	+ ePE	01	52	08.6	1.1	0.5
	- eP			08.6	1.3	0.7
	- ePE	03	38	10.6	0.8	0.3
	- ePN			10.6	0.8	0.3
	- eP			10.6	0.8	0.2
	+ ePE	14	23	12.7	1.0	0.3
	- ePN			12.7	1.0	0.3
	+ eP			12.7	1.0	0.3
	- iPE	18	49	02.2	1.0	2.0
	- iPN			02.2	1.0	3.0
	- iXN			03.2	0.9	16.5
	- iP			02.2	1.0	1.0
	- ePN	18	51	59.2	0.8	1.0
	+ iP			59.3	0.8	1.0
	+ ePE	21	26	39.7	1.0	0.5
	- ePN			39.5	1.0	0.3
	+ eP			39.5	1.0	0.2
	- ePE	23	33	04.2	1.0	0.5
	- ePN			04.2	1.0	1.0
	+ eP			04.2	1.0	0.5
	+ ePE	23	49	15.2	1.0	0.8
	+ ePN			15.2	1.0	0.5
	- eP			15.2	1.0	1.0
	+ iX			25.3	1.2	2.0
24	- ePE	00	10	15.2	1.0	0.2
	- ePN			15.2	1.0	0.3
	+ eP			15.2	1.0	0.5
	+ ePE	01	32	42.4	1.0	0.5
	- iXE			46.4	1.2	2.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
April 24	- iPN	01	32	42.4	1.0	0.5	
	+ iXN			46.3	1.5	4.5	
	+ iP			42.4	1.1	0.5	
	- iX			46.3	1.6	5.5	
	- iPE	02	16	59.7	1.0	4.0	
	- iPN			59.7	1.0	5.5	
	+ iP			59.7	1.0	7.3	
	- ePE	02	25	23.5	1.5	1.5	
	+ ePN			23.5	1.0	0.8	
	- iXN			39.0	1.8	2.0	
	- eP			23.5	1.5	0.5	
	+ iPE	03	01	22.2	1.0	1.8	
	+ iPN			22.1	1.0	1.8	
	- iP			22.0	1.0	2.0	
	+ ePE	12	37	52.7	1.0	0.2	
	- ePN			52.7	1.0	0.3	
	+ eP			52.7	1.0	0.5	
	+ ePN	22	25	39.7	0.8	0.3	
	+ eP			39.7	1.0	0.3	
	25	+ ePE	00	01	03.1	1.0	1.2
		- ePN			03.1	0.8	0.2
		+ eP			03.1	0.8	0.2
		+ ePE	01	15	37.5	1.1	1.0
		- ePN			37.5	1.0	0.5
- eP				37.5	1.0	0.5	
+ ePE		10	06	26.6	0.7	0.3	
- ePN				26.5	0.8	1.0	
- eP				26.5	0.8	0.3	
+ ePE		19	43	46.3	1.1	1.8	
- eP				46.3	1.2	0.5	
LP		+ iXE		54	20.6	15.0	7.5
	+ iXN			20.6	15.0	7.5	
	+ iX		43	52.5	4.7	2.0	
	+ ePE	20	00	08.2	1.0	0.5	
	+ ePN			08.2	1.5	0.5	
	- eP			08.2	1.5	1.0	
	26	- iPE	01	45	00.8	1.0	2.8
		- iPN			00.8	1.0	2.2
		+ iP			00.8	0.8	4.8

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
April 26	- ePE	12	42	48.4	1.8	1.5	
	- eXE			54.9	1.0	1.0	
	- ePN			48.6	1.0	1.3	
	+ iXN			54.7	1.2	4.5	
	- eP			48.6	1.2	0.5	
	+ ePN	13	38	06.4	1.0	0.5	
	+ eP			06.4	1.2	0.5	
	+ ePE	21	03	43.6	1.0	0.2	
	- eP			43.6	1.0	0.5	
	27	+ ePE	01	06	30.6	1.0	0.2
		+ ePN			30.6	1.0	0.5
		- eP			30.6	1.0	0.2
+ ePE		04	27	05.2	1.0	0.2	
+ ePN				05.2	1.0	0.3	
- eP				05.2	1.0	0.2	
+ iPE		19	53	41.9	1.0	2.5	
- iSE		20	03	06.0	1.5	1.2	
+ iXE				12.2	1.0	1.0	
- iPN		19	53	41.8	1.0	1.0	
- iSN		20	03	06.0	1.5	2.0	
28		+ iXN			12.2	1.2	3.5
	+ iP	19	53	41.8	1.0	1.3	
	- eS	20	03	06.0	1.3	0.5	
	- ePE	21	01	48.3	1.0	0.5	
	- ePN			48.3	1.0	0.5	
	- eP			48.3	1.0	0.3	
	- ePE	21	49	15.9	1.0	0.8	
	- ePN			16.1	1.0	0.3	
	- eP			15.9	1.0	0.2	
	+ iPE	23	44	42.1	1.0	1.5	
	+ iXE			44.3	1.2	5.5	
	+ eSE		54	36.3	2.0	4.5	
+ iPN		44	42.1	1.0	1.0		
+ iXN			44.3	1.2	1.8		
- iSN		54	36.1	2.0	1.5		
- iP		44	41.9	1.0	1.5		
- iX			44.3	1.2	5.0		
+ iX		55	15.1	1.8	2.8		
LP + iPE		44	42.2	4.7	1.3		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)		
		h	m	s				
April	28	23	54	35.6	11.3	5.0		
			56	14.0	18.8	8.0		
			44	41.4	7.5	4.0		
29		06	56	32.0	15.0	5.0		
			43	46.1	0.9	0.5		
				46.1	1.0	0.3		
				46.1	1.0	0.2		
		21	15	08.0	1.0	0.4		
				08.0	1.0	0.2		
				08.0	1.0	0.2		
	30		03	47	08.6	1.0	0.3	
					08.6	1.0	0.2	
					08.7	1.0	0.2	
		07	13	37.1	0.7	0.5		
				37.1	0.8	1.0		
				37.1	1.0	0.3		
		16	15	42.7	0.9	0.5		
				42.5	1.0	0.5		
				42.7	1.0	0.5		
		21	26	04.3	0.8	0.5		
	04.3			1.0	0.3			
			04.3	1.0	0.3			
May	01	21	41	01.3	0.8	0.5		
				01.2	1.0	0.5		
					01.3	1.0	0.3	
			00	45	14.0	0.8	0.5	
					14.1	0.8	0.3	
					14.1	0.8	0.3	
			03	47	09.5	1.3	0.3	
					09.5	1.0	0.5	
					09.5	1.2	1.0	
			07	04	37.3	1.0	1.0	
					37.1	1.0	2.0	
					37.1	1.0	0.5	
			10	16	00.8	1.0	2.0	
					00.8	1.0	2.0	
					00.8	1.0	1.5	
		02		02	13	06.8	1.0	0.2
						06.8	1.0	0.5
						06.8	1.0	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)		
		h	m	s				
May	02	07	34	40.2	1.0	1.2		
				40.2	1.0	0.6		
				34.2	1.0	0.5		
			19	34	34.2	1.0	1.5	
					19.6	0.8	0.5	
					19.6	0.8	0.5	
			03	Extreme microseismic activity				
		04		04	23	10.4	0.7	1.4
						10.4	0.7	1.2
						10.4	0.8	1.0
		08	01	01.5	2.0	7.0		
				01.4	2.0	4.0		
				01.4	2.0	12.8		
	05	LP	+ iP	01.5	5.6	6.6		
				04	03	30.7	0.7	1.4
				30.6	0.4	0.4		
				30.8	0.5	0.5		
		11	51	45.0	0.5	0.4		
				44.9	0.4	0.4		
				44.9	0.4	0.5		
		18	16	32.8	0.6	0.3		
				32.9	0.7	1.4		
				32.8	0.4	0.3		
		19	45	07.4	1.0	2.3		
				07.6	1.3	2.4		
				07.4	0.8	1.3		
		23	29	46.1	1.0	1.0		
				46.2	0.6	0.6		
				46.1	0.9	1.4		
	06	- iPE	03	37	02.1	0.5	0.8	
					02.1	0.5	0.4	
				02.1	0.7	0.5		
		14	56	12.3	1.0	1.2		
				12.2	0.8	1.0		
				12.2	0.7	0.3		
07		- eXE	00	56	50.9	0.8	2.0	
					11.2	0.9	0.8	
					50.7	0.8	3.3	
					11.2	1.4	1.8	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
May 07	+ iX	00	56	50.7	0.7	1.4
	+ ePE	16	52	48.5	1.5	3.2
	+ ePN			48.3	1.3	1.5
	- eP			48.3	1.4	2.1
	- ePE	22	16	13.6	1.4	1.3
	- ePN			13.4	1.4	1.4
	+ eP			13.3	1.7	1.3
	+ ePE	16	28	01.7	1.2	1.1
	+ ePN			01.5	1.0	1.2
	- eP			01.4	1.1	1.2
May 08	+ iPE	12	32	18.6	0.9	1.8
	+ eSE		34	23.4	1.1	1.2
	+ iPN		32	18.5	0.5	1.0
	- eSN		34	23.8	1.4	1.4
	- iP		32	18.6	0.4	0.6
	- eS		34	23.6	0.8	1.2
	- iPE	12	41	52.4	1.3	1.2
	+ iSE		42	18.0	1.6	11.0
	- iPN		41	52.6	1.2	1.3
	- iSN		42	17.4	1.4	3.1
May 09	+ eP		41	52.9	1.0	0.5
	+ iS		42	18.0	1.4	2.2
	+ iPE	13	22	39.0	0.8	0.5
	+ iPN			39.0	0.7	1.0
	- iP			38.9	0.7	1.0
	+ ePE	02	15	30.3	0.8	0.5
	+ ePN			30.5	0.7	0.7
	- eP			31.5	0.3	0.3
	+ ePE	19	15	41.6	0.6	0.5
	+ iPN			41.7	0.7	0.7
May 10	+ eP			41.9	0.7	0.5
	+ ePE	22	15	51.7	1.0	1.0
	+ ePN			51.6	1.0	1.0
	+ eP			51.6	0.9	0.9
	+ ePE	02	33	11.7	0.8	1.0
	- ePN			11.7	0.7	0.5
	+ eP			12.3	0.7	0.7
	- iPE	16	06	22.6	0.5	1.3
	- iPN			22.4	0.8	1.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
May 11	- eP	16	06	23.1	0.3	0.3
	+ iPE	21	29	54.8	1.2	8.2
	- iPN			54.7	1.1	2.1
	+ iP			54.6	1.4	4.7
	- iPE	21	39	11.8	0.3	0.3
	- iXE			22.1	1.4	2.6
	+ ePN			11.4	0.4	0.3
	+ iP			11.8	0.4	0.4
	+ ePE	23	16	05.1	0.3	0.3
	+ ePN			05.1	0.4	0.4
May 12	- eP			05.1	0.4	0.3
	+ ePE	02	38	50.4	0.8	1.2
	+ ePN			50.1	0.5	0.8
	+ eP			50.1	1.5	1.2
	- ePE	02	41	25.4	0.4	0.4
	- ePN			25.4	0.3	0.4
	- eP			25.7	0.4	0.4
	- ePE	05	26	19.2	1.2	0.5
	- ePN			19.2	0.7	0.4
	+ eP			19.2	0.3	0.3
May 13	- ePE	14	32	54.5	1.1	1.1
	- ePN			55.0	1.0	0.9
	- eP			54.7	0.7	1.0
	- ePE	17	28	33.7	0.7	0.4
	+ ePN			33.9	1.1	1.0
	+ iP			33.8	0.7	0.9
	- ePE	19	25	31.2	0.4	0.3
	+ ePN			30.9	0.5	0.4
	- eP			31.2	0.3	0.3
	+ ePE	04	31	14.7	0.4	0.3
May 14	- ePN			14.6	0.5	0.5
	- eP			14.8	0.6	0.4
	+ iPE	07	36	17.6	0.8	0.8
	- iPN			17.9	0.6	1.4
	+ eP			17.6	0.4	0.3
	- iPE	09	35	14.4	1.1	1.1
	- iPN			14.4	1.0	2.0
	+ iP			14.4	1.0	2.1
	+ iPE	15	30	26.3	0.7	2.0



Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
May	13	+ iPN	15	30	26.4	0.8	1.3
		- iP			26.1	0.8	0.5
		+ ePE	19	07	30.8	0.4	0.3
		+ ePN			30.9	0.8	0.7
		+ eP			30.9	0.3	0.3
		- ePE	19	13	18.2	1.3	1.1
		- iPN			18.1	0.4	0.4
		+ eP			18.1	0.3	0.3
		- ePE	20	03	33.0	0.4	0.3
		- iPN			32.8	0.5	0.4
		- eP			33.0	0.3	0.3
		+ iPE	20	14	48.7	1.0	1.9
		- ePN			49.1	0.8	0.8
		- iP			49.1	0.4	0.4
		- ePE	20	22	26.7	0.6	0.5
	+ ePN			26.9	0.4	0.4	
	- eP			27.1	0.9	0.4	
	+ ePE	20	39	39.8	0.3	0.3	
	+ eSE		40	21.4	0.6	1.2	
	+ ePN		39	39.7	0.3	0.3	
	+ iSN		40	20.8	0.5	1.1	
	+ eP		39	39.4	0.3	0.3	
	+ eS		40	20.9	0.4	0.4	
	- ePE	21	38	15.8	0.3	0.3	
	+ eP			15.7	0.8	0.4	
	+ iPE	21	55	45.9	0.8	1.2	
	- iPN			45.8	0.6	0.5	
	+ iP			45.8	0.8	1.4	
	14	- iPE	05	15	48.5	0.8	1.7
		+ iPN			48.7	0.7	1.0
		+ iXN		16	05.5	1.1	1.7
		+ iP		15	48.6	0.7	1.2
		+ iX		16	05.5	0.6	1.1
- ePE		09	31	42.2	0.8	0.4	
- ePN				42.2	0.5	0.5	
- eP				42.2	1.0	0.5	
+ iPE		19	49	20.5	0.8	0.8	
- iPN				20.7	0.6	0.9	
- iP				20.7	0.6	0.4	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)		
		h	m	s				
May	14	+ ePE	19	52	20.5	0.3	0.3	
		- ePN			20.5	0.7	0.4	
		- eP			20.5	0.3	0.3	
	15	- iPE	04	21	31.0	0.4	0.4	
		- iPN			31.0	0.5	0.4	
		- iP			31.1	0.3	0.3	
		+ iPE	09	44	23.2	0.9	0.9	
		+ iPN			23.1	0.8	0.6	
		- iP			23.2	0.5	0.9	
		+ iPE	10	20	42.9	0.8	2.0	
		- iPN			42.9	0.9	1.0	
		+ iP			43.0	0.8	2.3	
		+ iPE	11	31	03.4	0.8	1.2	
		- iPN			03.4	1.2	1.3	
		+ iP			03.4	0.8	1.2	
		- ePE	21	43	56.5	0.3	0.3	
		- ePN			56.4	0.7	0.7	
		+ eP			56.5	0.3	0.3	
		16	- iPE	22	06	41.0	0.6	0.6
			+ iPN			40.9	0.5	0.4
			+ iP			41.0	0.3	0.3
		17	+ iPE	09	26	07.9	0.7	2.2
			- iPN			07.8	0.6	0.4
			- iP			07.9	0.6	0.2
	- iPE		14	30	14.4	0.6	0.4	
	- iPN				14.5	0.8	0.7	
	+ iP				14.3	0.7	0.9	
	- ePE		23	04	17.6	0.5	1.0	
	- ePN				17.5	0.7	1.5	
	+ eP				17.6	0.5	0.3	
	18		Extreme microseismic activity					
			19	+ ePE	04	04	13.9	0.4
		- iXE				30.5	0.5	1.1
+ iPN					13.7	0.7	1.2	
+ iXN					30.5	0.7	1.3	
+ iP					13.8	0.7	0.5	
+ ePE		05		40	15.5	0.3	0.3	
+ ePN					15.6	0.7	0.6	
+ eP					16.0	0.4	0.3	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
May 19	+ ePE	10	59	24.1	0.7	1.0
	+ iPN			23.8	0.7	2.7
May 20	+ iP			23.6	0.6	1.0
	+ ePE	23	11	24.7	0.8	1.7
	- iXE			53.6	0.7	3.1
	+ ePN			24.7	0.7	0.5
	+ iXN			53.6	4.0	2.1
	+ eP			24.6	0.3	0.3
	- iX			53.6	0.7	0.7
	+ ePE	01	02	16.7	0.7	0.4
	+ iXE		03	22.4	0.8	6.5
	- ePN		02	16.8	0.5	0.4
	+ iXN			45.2	0.6	2.1
	+ iXN		03	22.9	0.9	14.1
	- eP		02	16.9	0.3	0.3
	- eX			45.1	0.7	1.6
	+ ePE	02	47	33.1	1.2	1.4
	+ ePN			32.6	0.6	0.4
	+ eP			32.6	1.5	1.1
	+ ePE	03	55	16.1	0.3	0.3
	+ ePN			16.1	0.7	0.9
	+ eP			16.1	0.8	0.7
+ ePE	05	53	53.2	0.3	0.3	
- ePN			53.1	0.3	0.4	
+ eP			53.1	0.3	0.4	
+ eX			11.1	0.5	0.5	
- ePE	08	10	14.8	0.4	0.3	
+ eXE			46.3	0.7	1.9	
- ePN			14.6	0.7	1.1	
+ eXN			46.2	0.6	1.0	
- eP			14.7	0.4	0.3	
+ eX			46.1	0.6	0.4	
May 21	+ ePE	01	36	01.9	1.0	1.6
	+ ePN			01.5	0.8	1.7
	- iP			01.4	1.2	1.0
	- ePE	06	13	55.2	1.5	1.6
	- iPN			55.1	1.4	1.5
	+ eP			55.0	1.6	1.0
	- ePE	14	29	17.0	0.6	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
May 21	+ ePN	14	29	16.9	0.5	0.4
	+ eP			16.9	0.3	0.3
May 22	- ePE	06	18	03.6	1.3	1.4
	+ ePN			03.4	0.3	0.3
May 23	- iP			03.4	0.9	0.5
	+ iPE	12	59	51.9	1.0	1.2
	- iPN			51.8	0.8	0.7
	+ iP			51.8	1.0	1.3
	+ iPE	20	58	31.5	1.3	5.8
	- iSE	21	08	39.5	4.0	26.3
	+ iPN	20	58	31.5	1.3	5.8
	- iSN	21	08	40.6	2.8	34.0
	- iP	20	58	31.4	1.3	10.0
	+ iS	21	08	40.6	2.5	8.0
	LP + iPE	20	58	31.5	9.4	2.8
	- iSE	21	08	40.6	13.1	20.0
	- iSSE		10	14.1	16.9	29.0
	- iPN	20	58	31.5	9.4	2.5
	+ iSN	21	08	40.6	13.1	15.0
	+ iSSN		10	14.1	16.9	32.0
	- iP	20	58	31.5	9.4	9.5
	+ iX		59	31.9	9.4	3.5
	- eS	20	08	40.6	11.3	5.0
	May 24	- ePE	04	08	15.4	0.4
+ iSE				54.7	0.9	3.7
+ ePN				15.7	0.6	0.5
+ ePN				54.7	0.8	2.3
+ eP				15.7	0.3	0.3
- iS				54.8	0.7	0.5
- ePE		06	49	51.2	1.4	1.3
- ePN				51.2	0.9	0.5
+ eP				51.0	1.0	1.1
+ ePE		06	57	50.1	1.7	1.2
May 24	- ePN			50.0	0.6	1.0
	+ eP			50.2	0.7	0.3
	+ ePE	11	58	30.5	0.4	0.3
	+ ePN			30.6	0.4	0.3
	+ eP			30.3	0.6	0.6
	- ePE	01	02	38.3	1.0	1.1

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
May 24	- ePN	01	02	38.9	1.0	0.9
	+ iP			38.3	1.3	1.1
May 25	+ ePE	11	38	22.4	1.3	2.0
	- ePN			22.3	1.9	1.0
May 25	+ eP			22.0	1.1	0.7
	+ ePE	10	35	31.5	0.3	0.3
	+ ePN			31.0	0.4	0.3
	- eP			31.0	1.0	0.9
	- ePE	13	28	06.0	0.7	1.0
	+ ePN			05.9	1.0	0.5
	+ eP			05.9	0.4	0.3
	+ ePE	18	21	02.7	0.7	1.6
	+ ePN			02.6	0.4	0.5
	+ eP			02.6	0.3	0.3
May 26	- ePE	02	36	02.0	0.9	0.6
	- ePN			02.0	0.9	0.4
	- eP			02.0	0.3	0.3
	+ iPE	10	55	28.7	0.8	5.1
	+ iPN			28.7	0.7	0.6
	+ iP			28.7	0.7	3.2
	+ ePE	17	48	30.9	1.2	1.0
	+ ePN			30.9	1.4	0.9
	- eP			30.9	0.3	0.3
	- ePE	04	25	45.4	1.2	2.2
May 27	+ iXE			50.2	1.0	8.0
	+ ePN			45.3	0.8	0.4
	+ iXN			50.3	1.0	1.0
	+ eP			45.3	1.2	2.2
	- iX			50.2	1.0	9.9
	- iPE	04	36	22.8	0.7	1.0
	- iPN			22.9	0.6	0.9
	- iP			22.7	0.8	1.4
	- ePE	09	03	32.9	0.4	0.3
	+ ePN			32.9	0.4	0.4
May 28	+ eP			32.9	0.3	0.3
	+ ePE	17	34	18.3	1.4	1.3
	+ ePN			18.6	1.6	1.2
	- eP			18.5	0.8	1.4
	+ ePE	01	06	22.9	0.3	0.3

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
May 28	- ePN	01	06	22.9	0.8	0.3
	+ eP			22.9	0.7	1.1
May 28	- iPE	02	07	02.2	1.2	1.8
	- ePN			02.4	1.1	0.8
	- iP			02.4	1.5	0.9
	LP + iPE			02.7	7.5	4.5
	- iP			02.7	7.5	1.0
	- ePN	07	20	02.6	0.6	0.6
	+ iP			02.5	0.8	0.9
	- ePE	08	50	16.5	0.9	1.2
	+ ePN			16.6	0.4	0.4
	- iP			16.5	0.7	1.2
May 28	- iPE	18	24	26.8	1.3	1.0
	- iPN			26.8	1.0	1.2
	+ iP			26.8	1.2	1.7
	+ iPE	19	48	17.0	0.5	0.4
	+ iPN			17.0	0.6	0.6
	- iP			17.0	0.6	0.7
	+ ePE	20	34	26.2	0.3	0.3
	- eSE			53.6	0.7	1.0
	+ ePN			26.1	0.3	0.3
	+ iSN			54.2	0.7	0.8
May 29	+ iP			26.2	0.3	0.3
	- eS			52.7	0.4	0.5
	- iPE	02	42	36.5	1.2	1.6
	+ iPN			36.5	0.7	0.9
	+ iP			36.5	0.4	0.4
	- ePE	04	36	21.3	0.4	0.4
	- ePN			21.3	0.8	0.9
	+ eP			21.8	0.9	0.6
	+ iPE	06	09	24.3	1.0	1.2
	- iPN			24.4	0.8	0.6
May 29	+ iP			24.3	0.5	0.4
	+ ePE	20	56	12.4	1.0	1.1
	+ ePN			12.5	0.5	0.6
	+ eP			12.3	0.4	0.3
	+ iPE	23	57	40.1	0.7	0.5
	+ iPN			40.2	0.6	0.5
	- iP			40.2	0.5	0.6

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)		
		h	m	s				
May	30	- iPE	02	30	41.8	1.1	1.2	
		- iPN			41.8	0.7	1.2	
		- iP			41.8	0.4	0.4	
	- ePE	05	21	24.7	0.3	0.3		
	+ ePN			24.7	0.6	1.0		
	+ eP			24.4	0.6	0.7		
	- ePE	10	54	56.7	1.0	1.3		
	+ ePN			56.9	1.0	1.1		
	- iP			56.7	0.9	0.8		
	31	- ePE	12	25	35.2	0.3	0.4	
		- ePN			35.2	0.6	1.0	
		- eP			35.7	0.4	0.4	
		+ ePE	14	04	45.2	0.4	0.6	
		- ePN			45.2	0.8	0.5	
		+ eP			45.0	0.6	0.5	
+ iPE		21	39	39.5	0.7	1.6		
- iPN				39.4	1.1	0.9		
- iP				39.4	0.5	0.7		
- iPE		22	49	30.4	0.6	0.6		
- iPN				30.5	0.6	0.4		
+ iP				30.4	0.4	0.3		
June	01	- ePE	06	36	34.9	0.9	0.3	
		+ ePN			34.9	1.0	0.9	
		- eP			34.9	0.6	1.0	
		+ iPE	16	22	03.4	0.8	0.6	
		- iPN			03.5	0.7	0.6	
		- iP			03.5	0.5	0.6	
		+ iPE	21	14	01.6	0.4	0.4	
		+ iPN			01.7	0.5	0.5	
		- iP			01.7	0.8	0.4	
	- ePE	21	42	58.7	1.0	0.6		
	- ePN			58.2	0.8	0.5		
	+ eP			58.4	0.3	0.3		
	02	- ePE	05	54	51.5	0.7	0.7	
		+ iPN			51.2	0.8	0.5	
		+ eP			51.8	0.4	0.3	
		+ iPE	08	51	21.4	1.0	1.4	
		+ iPN			21.3	0.5	0.4	
		- eP			21.6	0.3	0.3	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
June	02	+ iPE	23	03	05.5	1.1	1.5
		- iPN			05.6	0.8	0.5
		- iP			05.5	1.0	1.5
	03	- ePE	04	05	33.2	1.0	0.3
		+ ePN			32.9	1.3	0.4
		+ eP			32.9	1.2	0.5
		- ePE	05	44	18.1	0.7	0.4
		+ ePN			18.2	1.0	0.5
		+ eP			18.2	0.7	0.7
		- ePE	08	12	02.7	1.1	0.8
		- ePN			02.7	1.1	0.4
		- eP			02.4	1.0	0.5
		- ePE	12	38	22.9	1.4	1.0
		- ePN			22.9	0.8	0.6
		- eP			22.9	0.9	0.5
		- ePE	18	44	20.5	0.4	0.3
		+ ePN			20.4	0.6	0.3
		- iP			20.5	0.7	0.6
	04	- iP	18	59	29.0	1.0	0.9
		- iPE	23	15	54.0	0.5	0.8
		- iPN			54.1	0.7	1.1
		+ iP			54.0	0.6	0.6
		+ ePE	23	22	02.2	0.7	0.7
		+ iPN			01.8	0.9	0.6
		+ eP			02.2	0.9	0.9
		+ ePE	01	01	02.6	0.4	0.3
		- ePN			02.6	0.7	0.4
		- eP			02.8	0.7	0.4
		- ePE	07	10	42.8	0.8	0.4
		- eP			42.8	1.0	0.5
- ePE	12	36	57.5	1.0	0.9		
+ ePN			57.4	0.7	0.8		
+ eP			57.5	0.7	0.7		
+ iPE	21	45	46.4	0.6	0.6		
+ iPN			46.4	0.7	0.7		
+ iP			46.5	0.7	0.5		
+ iPE	22	25	47.9	1.1	1.2		
- iPN			47.8	1.0	0.5		
+ iP			47.8	0.7	0.7		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
June 04	+ ePN	22	47	27.5	1.0	0.4
	+ eP			27.7	1.2	0.9
	+ ePE	23	23	15.6	0.4	0.4
	- iPN			15.2	0.7	1.0
	- eP			15.5	0.3	0.4
	+ ePN	23	55	03.0	0.6	0.4
	+ eP			03.3	0.3	0.3
	- ePE	01	05	34.5	0.5	0.4
05	+ ePN			34.4	0.6	0.5
	- eP			34.5	0.3	0.3
	+ ePE	11	57	47.8	0.9	0.6
	- ePN			47.8	0.8	0.5
	+ eP			47.8	1.0	0.4
	- ePE	13	23	29.9	0.6	0.6
	- ePN			30.3	0.4	0.4
	+ eP			29.8	0.3	0.3
	+ ePE	16	37	27.8	1.0	1.2
	+ ePN			27.8	1.4	0.7
	+ ePE	17	14	36.8	1.0	0.4
	+ ePN			36.8	1.0	0.5
	- eP			36.8	1.0	0.7
	+ iPE	18	11	09.7	1.3	1.0
	- ePN			09.7	1.8	1.0
	- iP			09.7	1.3	1.2
	- iPE	19	23	40.9	0.5	0.5
	+ iPN			41.1	0.3	0.3
	- eP			41.0	0.3	0.3
	- ePE	22	00	02.3	0.5	0.5
	- ePN			01.8	0.6	0.4
	+ eP			01.8	1.2	0.5
	- ePE	22	27	43.8	1.0	0.5
	- ePN			43.5	0.6	0.4
	+ eP			43.8	0.3	0.3
	+ iPE	22	34	29.6	0.7	1.2
	+ iPN			29.3	0.8	1.0
	+ eP			29.4	0.7	0.4
	+ ePE	23	30	46.4	0.4	0.4
	+ ePN			46.5	1.4	1.0
	+ eP			46.4	1.2	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
June 06	+ ePE	02	39	52.0	1.2	1.0
	+ ePN			51.8	0.4	0.4
	- eP			51.8	1.3	1.7
	+ iPE	04	50	27.8	1.0	1.3
	+ ePN			27.5	0.9	0.5
	+ iP			27.8	0.8	0.8
	- ePE	06	22	24.8	0.5	0.4
	- ePN			25.8	0.6	0.5
	- iP			25.2	0.4	0.4
	+ iPE	15	55	31.5	0.5	1.3
	+ iPN			31.5	0.8	3.2
	+ iP			31.5	0.5	1.4
	+ ePE	22	02	42.5	0.9	1.2
	- ePN			42.8	0.7	0.6
	- iP			43.0	0.8	0.6
	+ ePE	23	56	02.5	0.9	0.6
	- ePN			02.5	0.8	0.5
	+ eP			02.5	1.1	0.6
07	+ iPE	03	31	03.0	0.6	0.6
	+ iPN			03.0	0.8	0.8
	+ iP			03.2	0.5	0.7
	- ePE	04	00	01.8	0.6	0.6
	- iPN			01.8	0.8	1.0
	+ eP			02.0	1.2	0.5
	+ ePE	04	04	32.3	0.4	0.5
	- ePN			32.3	0.6	0.5
	+ eP			32.0	0.3	0.3
	- iPE	06	02	06.8	0.5	0.4
	+ iPN			06.8	0.5	1.4
	+ iP			06.8	0.5	0.8
	+ iPE	11	16	39.5	1.3	1.2
	+ iPN			39.3	0.9	1.2
	+ iP			39.3	1.0	1.1
	- iPE	11	51	52.5	1.3	1.2
	- iPN			52.5	1.1	2.0
	+ iP			52.4	0.8	1.4
	- iPE	12	14	09.5	1.2	1.2
	+ iPN			09.5	0.7	0.8
	+ iP			09.5	0.8	1.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
June 07	+ ePE	16	55	25.5	1.7	1.7
	- ePN			24.9	0.8	0.9
	+ eP			25.0	0.8	0.7
	- iPE	17	00	09.9	1.0	3.0
	- iPN			09.9	0.5	0.3
	- iP			09.9	0.8	1.0
	+ ePE	17	39	25.2	0.7	0.8
	+ ePN			25.7	0.8	0.9
	- iP			25.7	1.3	1.1
	+ iPE	18	12	19.5	0.5	0.8
	+ iPN			19.6	0.8	1.2
	+ iP			19.5	0.8	0.7
08	+ ePE	03	15	24.9	1.2	0.6
	+ ePN			24.9	1.0	0.5
	- iP			24.9	0.8	1.7
	+ ePE	03	33	25.2	1.0	0.8
	- ePN			25.4	0.3	0.3
	- eP			25.9	1.0	0.4
	- iPE	08	07	06.0	0.9	6.0
	- iPN			06.1	0.6	0.5
	+ iP			06.2	0.9	5.8
	+ iPE	08	16	51.3	1.3	0.8
	+ iPN			51.3	1.2	2.8
	- ePE	12	12	04.9	0.7	0.4
	- ePN			04.8	0.3	0.3
	+ eP			04.7	0.8	0.5
	+ ePE	12	46	43.1	0.6	0.6
	- ePN			43.7	0.7	0.7
	- iP			44.3	1.0	0.7
	- iPE	16	29	35.9	1.0	1.0
	+ iPN			35.7	1.0	1.4
	- eP			35.3	0.8	0.6
	+ ePE	17	47	32.6	0.8	0.6
	- ePN			32.7	0.4	0.4
	- eP			32.9	0.3	0.3
	+ iPE	18	08	52.0	1.8	3.8
	- iXE			07.0	1.8	3.6
	- iPN			08	07.0	1.8
	- iPN			08	51.9	1.1
	- iXN			18	06.7	2.7
						10.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
June 08	+ iP	18	08	51.9	1.5	3.7
	- iX			06.8	1.4	1.5
	+ iPE	19	04	43.9	1.2	2.8
	- iPN			43.9	1.5	4.7
	+ iP			43.9	1.5	4.0
	LP + iPE			43.9	5.6	1.2
	- iSE		13	44.0	15.0	3.0
	+ iPN		04	43.9	5.6	1.0
	+ iSN		13	44.0	7.5	3.3
	+ iP		04	43.9	5.6	3.5
	+ iPE	19	28	50.2	0.7	0.5
	- iPN			50.2	0.7	0.6
	- iP			50.2	0.6	0.5
	- ePE	19	32	44.9	0.6	0.7
	- ePN			43.9	0.6	0.6
	- eP			43.9	1.2	1.2
09	+ ePE	00	32	37.9	1.0	0.6
	+ iPN			37.8	0.7	1.0
	+ iP			38.0	0.7	0.6
	+ ePE	02	19	39.9	1.0	0.6
	+ ePN			39.9	0.9	0.8
	+ eP			39.9	1.4	0.8
	- ePE	03	52	45.9	0.8	0.8
	+ ePN			45.9	0.7	0.6
	+ iPE	04	36	47.9	0.4	0.4
	- ePN			47.9	0.4	0.3
	+ iP			48.0	0.3	0.4
	+ iPE	09	15	22.6	0.8	1.3
	- ePN			22.9	1.2	0.5
	+ iP			22.4	1.0	1.0
	+ iPE	09	25	19.4	1.7	1.1
	+ ePN			19.4	0.8	0.9
	- eP			18.9	1.2	0.4
	+ ePE	12	45	09.4	0.9	0.7
	+ ePN			09.9	0.8	0.7
	+ iPE	13	23	11.7	1.0	1.0
	+ iPN			11.9	0.7	1.4
	+ iP			11.8	0.8	0.9
	+ iPE	17	00	08.1	0.8	0.7

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
June 09	+ iPN	17	00	08.2	0.7	0.6
	- eP			08.3	0.6	0.4
	+ ePE	17	45	21.6	0.9	0.5
	+ ePN			21.4	0.5	0.6
	+ eP			21.5	0.3	0.3
	+ ePE	18	01	03.9	1.0	0.8
	- ePN			03.8	0.7	0.6
	+ eP			03.9	0.8	0.3
	+ iPE	18	44	52.2	0.7	0.5
	- ePN			52.4	0.8	0.4
	- eP			50.3	0.7	0.4
	- iPE	18	57	44.3	1.3	1.2
	- ePN			44.8	0.6	0.6
	+ ePE	19	08	58.6	0.6	0.4
	- iPN			58.8	0.8	0.5
	- iP			58.9	0.6	0.5
	- iPE	19	53	28.0	0.7	1.2
	+ ePN			27.2	0.5	0.7
	+ eP			27.9	0.4	0.3
	+ iPE	01	09	19.4	1.0	0.8
	- iPN			19.2	0.6	0.5
	+ iP			19.3	0.7	0.4
	+ ePE	01	53	04.9	0.4	0.3
	- ePN			04.9	1.3	1.0
	- eP			04.9	0.8	0.4
	+ ePE	03	54	55.5	1.0	0.5
	+ ePN			55.6	1.0	0.6
	- eP			55.5	0.8	0.3
	+ ePE	05	32	51.3	0.9	0.4
	- ePN			51.4	1.0	0.5
	- ePE	07	34	51.1	0.8	0.6
	+ ePN			51.6	0.5	0.5
- ePE	12	40	03.9	1.2	0.4	
- iPN			03.9	0.8	0.5	
- eP			04.5	0.4	0.3	
- ePE	14	22	56.5	0.8	0.9	
- ePN			56.6	0.9	0.4	
- eP			56.7	1.0	0.9	
+ ePE	19	12	35.0	0.8	0.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
June 10	- ePN	19	12	34.9	0.8	0.5
	+ eP			34.9	0.8	0.3
	+ ePE	19	27	14.9	1.0	0.5
	- ePN			14.9	1.0	0.2
	- eP			14.9	1.0	0.3
	- ePE	19	38	13.4	0.8	0.5
	- ePN			13.4	0.8	0.2
	+ eP			13.4	0.8	0.3
	- ePE	20	06	43.8	1.0	0.8
	- ePN			43.8	1.0	1.0
	+ eP			43.8	1.0	0.3
	- ePE	20	23	12.7	1.0	0.8
	+ ePN			12.7	1.0	0.8
	+ eP			12.8	1.0	0.2
	+ ePE	23	43	42.8	1.8	1.5
	+ ePN			42.9	1.0	0.3
	+ eP			42.9	1.0	0.5
	+ ePE	02	31	42.7	1.0	0.8
	+ ePN			42.1	1.0	0.2
	- eP			42.4	1.0	0.5
	- ePE	04	44	04.1	1.0	0.5
	- ePN			04.1	1.0	1.0
	- eP			04.0	1.0	0.3
	+ ePE	09	50	24.4	0.9	0.3
	- ePN			24.4	0.9	0.2
	- eP			24.4	1.2	0.2
	- ePE	12	01	19.1	1.0	1.0
	+ ePN			19.1	1.0	0.5
	+ eP			19.1	1.0	0.8
	+ iPE	16	53	32.8	0.8	1.2
	+ eSE	17	03	31.9	1.5	8.0
	+ ePN	16	53	32.9	0.8	0.5
+ iSN	17	03	32.1	1.8	5.0	
- iP	16	53	32.8	0.8	1.2	
- eS	17	03	31.9	1.3	1.5	
LP + ipPE	16	53	37.5	4.7	6.0	
+ iSE	17	03	35.6	12.2	13.3	
+ ipPN	16	53	37.5	4.7	2.5	
- eSN	17	03	33.8	12.2	1.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
June 11	- iP	16	53	32.8	4.7	1.0
	- iP			37.5	15.0	19.5
	- iX		54	56.3	6.6	23.0
	- ePE	19	31	27.9	1.0	1.5
	+ ePN			27.6	0.8	0.3
	+ eP			27.7	0.8	0.3
	+ ePE	19	49	36.4	1.0	0.6
	- eP			36.4	1.0	0.5
	+ ePE	22	02	41.9	0.8	0.2
	+ ePN			41.9	0.8	0.3
	+ eP			41.9	0.8	0.3
12	- iPE	00	58	22.2	0.8	1.0
	- iPN			22.2	0.9	1.0
	+ iP			22.2	0.8	2.0
	- ePE	09	43	04.9	1.1	0.3
	+ eP			04.9	1.0	0.2
	- ePE	12	06	34.9	0.8	0.5
	- eP			34.9	0.8	0.3
	- ePE	16	40	30.8	1.0	0.2
	+ ePN			30.8	1.0	0.7
	- eP			30.9	1.0	0.5
	- ePN	20	07	30.1	1.0	0.3
+ eP			30.1	1.0	0.3	
- ePN	23	30	17.0	1.0	0.2	
- eP			16.9	1.0	0.3	
13	- ePE	01	09	57.4	1.0	0.5
	+ eP			57.4	1.0	0.3
	+ ePE	06	32	03.6	1.2	0.5
	- ePN			03.6	1.2	0.5
	- eP			03.6	1.2	0.5
	- ePE	07	28	56.8	1.0	0.5
	- ePN			56.8	1.0	0.3
	+ eP			56.8	1.0	0.2
	- ePE	14	56	32.1	1.0	0.5
	- ePN			32.1	1.0	0.5
	- eP			32.3	1.0	0.5
+ ePN	16	49	38.7	1.0	0.2	
+ eP			38.6	1.0	0.2	
- iPE	17	10	29.8	1.4	0.8	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
June 13	- iPN	17	10	29.8	1.2	1.0
	+ iP			29.8	1.4	1.0
	+ ePE	18	09	28.8	1.0	0.3
	- ePN			28.8	1.0	0.3
	- eP			28.8	1.0	0.3
	- ePE	21	59	05.7	1.0	0.5
	+ eP			05.9	0.9	0.3
	+ ePE	22	11	21.8	0.8	0.5
	- ePN			21.8	0.8	0.3
	- eP			21.9	0.8	0.2
	- ePE	22	26	49.0	0.9	0.5
- eP			49.0	1.0	0.3	
- ePE	23	34	34.7	0.5	0.5	
- ePN			34.7	0.5	0.2	
+ eP			34.7	0.5	0.5	
14	+ ePE	01	13	37.8	1.0	0.5
	+ iPN			37.8	0.8	0.5
	- iP			37.7	0.8	1.0
	+ ePE	08	10	42.3	1.0	0.2
	- ePN			42.3	1.0	0.2
	+ eP			42.3	1.0	0.3
	- ePE	08	44	05.8	1.0	0.3
	- ePN			05.9	1.0	0.3
	+ eP			05.9	1.2	0.5
	+ ePE	16	41	05.8	1.0	0.5
	+ ePN			05.7	1.0	0.5
+ eP			05.9	1.0	0.3	
15	- ePE	04	02	17.9	1.1	0.3
	- ePN			17.9	1.0	0.3
	+ iP			17.8	1.1	0.5
	+ ePE	14	43	18.3	1.0	0.3
	- ePN			18.3	1.0	0.3
	+ eP			18.3	1.0	0.5
	+ ePE	18	01	41.0	0.8	0.6
	+ ePN			41.1	1.0	0.3
	+ eP			41.1	1.0	0.2
	- ePE	00	42	10.8	1.0	1.5
	+ ePN			10.9	1.0	1.0
+ eP			10.9	1.0	0.2	



Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
June 16	- ePE	01	01	46.6	0.8	0.5
	+ ePN			46.7	0.8	0.2
	+ eP			46.6	0.8	0.2
	- ePE	03	34	30.0	1.0	0.2
	- ePN			30.1	1.0	0.3
	- eP			30.0	1.0	0.2
	+ ePE	16	47	33.8	1.0	0.6
	+ ePN			33.9	1.0	0.8
	+ eP			33.8	1.0	0.3
	- ePE	17	49	49.8	0.8	0.8
	+ ePN			49.8	0.8	1.0
	+ eP			50.0	0.8	0.5
17	+ ePE	01	01	22.4	1.0	0.8
	+ ePN			22.3	1.0	0.2
	+ eP			22.3	0.8	0.5
	- ePE	06	56	32.1	0.8	0.3
	+ eP			32.2	0.8	0.5
	+ iPE	08	47	04.9	0.8	0.5
	+ ePN			04.8	0.8	0.3
	+ iP			04.8	0.8	1.0
	+ ePE	14	47	02.8	1.0	0.5
	- ePN			02.8	1.0	0.2
	- eP			02.9	1.0	0.5
	- ePE	19	57	29.3	1.0	1.2
18	+ eP			29.3	1.0	1.0
	+ ePE	01	09	37.0	1.0	0.3
	- eSE		11	41.0	1.5	0.5
	- ePN		09	37.0	0.9	0.3
	+ eSN		11	41.0	1.1	0.3
	- eP		09	37.0	0.8	0.2
	- eS		11	41.0	1.2	0.5
	- ePE	04	00	49.8	0.8	1.0
	- ePN			49.8	0.8	0.5
	+ eP			49.9	0.8	0.5
	- ePE	12	27	47.0	0.8	0.3
	+ ePN			47.0	0.8	0.5
+ eP			47.0	0.8	0.3	
- iPE	14	15	32.2	0.8	2.0	
- iSE		24	53.6	1.5	2.0	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
June 18	+ iPN	14	15	32.1	0.8	1.0
	- iP			32.1	0.7	2.0
19	- ePE	21	35	38.3	0.8	0.5
	+ ePN			38.4	0.8	1.1
	+ eP			38.3	1.0	0.5
	+ ePE	01	22	46.9	1.0	0.3
	+ ePN			46.9	1.0	0.3
	- iP			46.9	1.0	0.8
	- ePE	01	29	08.8	1.0	0.6
	- ePN			08.8	1.0	0.3
	+ iP			08.9	1.0	0.8
	+ ePE	09	01	30.6	1.0	0.5
	- ePN			30.6	0.8	0.5
	+ eP			30.5	1.0	0.5
20	- ePE	10	39	16.7	0.8	1.0
	- ePN			16.8	1.0	0.7
	- eP			16.7	0.8	0.2
	- ePE	12	02	43.1	1.5	0.2
	+ ePN			43.1	1.5	0.3
	+ eP			43.1	1.8	0.8
	- ePE	15	32	57.3	1.0	0.2
	+ ePN			57.3	1.0	0.2
	- eP			57.3	1.0	0.2
	- ePE	16	03	13.7	1.0	0.5
	- ePN			13.6	1.0	0.5
	- eP			13.6	1.0	1.0
21	+ ePN	16	48	57.4	0.8	0.5
	+ eP			57.3	0.7	0.2
	- ePE	01	49	43.8	1.2	0.5
	- ePN			43.8	1.0	0.5
	+ eP			43.8	1.0	0.5
	- ePE	18	38	39.8	0.8	0.5
	- eP			40.0	0.8	0.3
	- ePE	15	19	47.9	1.0	0.5
	+ ePN			47.9	1.0	0.2
	- eP			47.9	1.0	0.3
	+ ePE	17	29	41.1	1.0	0.5
	- eP			41.2	1.0	0.5
- ePE	20	53	21.5	1.0	0.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
June 21	+ ePN	20	53	21.5	0.8	0.3	
	- eP			21.4	1.0	0.5	
	- ePE	23	20	48.9	0.8	0.2	
	- ePN			48.9	1.0	0.3	
	- eP			48.9	1.0	0.2	
	- ePE	02	20	36.7	1.0	0.3	
22	- ePN			36.6	0.8	0.3	
	- eP			36.7	1.0	0.2	
	+ ePN	10	55	55.9	1.0	0.5	
	+ eP			55.9	1.3	0.5	
	- ePE	17	34	07.2	1.0	0.3	
	- eP			07.2	1.0	0.2	
	- ePE	20	59	02.7	1.0	0.2	
	- ePN			02.7	1.0	0.3	
	+ eP			02.7	1.0	0.2	
	- ePE	21	25	48.6	0.6	1.0	
	+ ePN			48.6	0.6	0.3	
	- eP			48.6	0.6	0.3	
	- ePE	22	27	21.5	1.0	0.5	
	- ePN			20.9	1.0	0.5	
	- eP			20.9	1.2	0.5	
	+ ePN	07	39	50.9	1.0	0.3	
23	- eP			50.9	1.0	0.2	
	+ ePE	11	35	56.7	1.0	0.2	
	+ ePN			56.7	1.0	0.3	
	+ eP			56.7	1.0	0.2	
	- ePE	16	38	23.6	0.5	1.0	
	+ ePN			23.6	0.5	1.0	
	+ eP			23.6	0.5	0.5	
	- ePE	16	51	41.6	1.2	0.3	
	+ eXE			55	20.7	1.0	0.5
	+ eP			51	41.6	1.2	0.3
	+ eX			55	20.7	0.8	0.5
	- ePN	17	06	43.6	1.2	0.3	
	+ eP			43.7	1.2	0.5	
	+ ePE	18	36	02.7	0.5	0.2	
	+ ePN			02.7	0.5	0.3	
	+ eP			02.7	0.5	0.3	
	+ ePE	18	40	35.9	0.8	1.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
June 23	- eP	18	40	35.9	0.8	1.0	
	- ePE	22	41	30.7	2.0	4.0	
	- eP			30.7	1.8	2.0	
	+ ePE	16	36	43.9	0.9	0.5	
24	+ ePN			43.9	1.0	1.0	
	+ eP			43.9	1.0	0.5	
	+ ePE	18	10	08.7	1.0	0.2	
	+ eP			08.7	1.0	0.2	
	- ePE	18	11	41.7	0.8	0.2	
	- ePN			41.7	0.8	0.2	
	- eP			41.7	0.8	0.2	
	- iPE	23	32	44.7	0.9	1.0	
	- iSE			33	29.6	1.7	1.5
	+ ePN			32	44.7	0.8	1.0
	+ iP			44.7	0.9	1.0	
	+ eS			33	29.6	1.8	1.0
25	- ePE	02	28	37.7	1.0	0.3	
	+ ePN			37.7	1.0	0.2	
	- eP			37.7	1.0	0.3	
	+ ePN	05	00	19.6	1.3	0.2	
	+ eP			19.6	1.2	0.3	
	+ ePE	06	26	05.2	1.0	0.2	
	- eP			05.2	1.0	0.2	
	- ePE	06	32	43.1	1.0	0.2	
	- ePN			43.1	1.0	0.3	
	+ eP			43.1	1.0	0.7	
	- ePE	11	26	56.9	1.0	0.5	
	- ePN			56.9	1.3	0.3	
	+ eP			56.9	1.5	0.2	
	- ePE	12	08	17.5	1.0	0.2	
	+ ePN			17.5	1.0	0.3	
	- eP			17.5	1.0	0.2	
	- ePE	18	41	01.7	0.8	0.2	
	- ePN			01.8	0.8	0.2	
	- eP			01.7	0.8	0.2	
	- ePE	19	11	26.7	0.8	0.2	
	+ eP			26.7	0.8	0.2	
	+ ePE	20	11	50.6	1.0	0.6	
	+ ePN			50.7	1.0	0.5	



Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)		
		h	m	s				
June	29	- iP	17	35	57.4	1.0	0.5	
		+ ePE	21	48	41.7	0.8	1.5	
		+ ePN			41.9	0.8	1.0	
		- eP			41.7	1.0	0.3	
	30	- ePE	03	18	56.1	0.7	0.6	
		- ePN			56.1	0.7	0.5	
		- eP			56.1	0.8	0.3	
		+ iPE	05	10	23.8	0.8	0.7	
		+ iXE			29.1	0.8	2.5	
		+ iPN			23.8	0.7	1.5	
		+ iXN			28.9	0.7	6.2	
		+ iP			23.8	0.7	1.2	
		- iX			29.2	0.7	4.3	
		+ ePE	05	57	43.6	1.2	0.5	
		+ eP			43.4	1.0	0.3	
		- ePE	12	51	52.4	1.0	0.3	
		- ePN			52.4	1.0	0.3	
		+ eP			52.4	1.0	0.5	
		+ ePE	20	16	04.1	0.9	0.3	
		- ePN			04.1	1.0	0.5	
		+ eP			04.1	1.0	0.5	
		+ ePE	21	14	02.8	1.0	0.5	
		+ ePN			02.9	1.0	0.3	
		+ eP			02.9	1.0	0.2	
		- ePE	23	21	04.8	1.3	1.0	
		+ eP			04.9	1.3	0.5	
July	01	- ePE	09	21	43.0	1.0	0.5	
		- ePN			43.0	1.0	0.3	
			- eP			43.0	1.0	0.2
			- ePE	10	33	47.0	1.0	0.5
			- ePN			47.0	1.0	0.5
			+ eP			47.0	0.8	0.5
			- ePE	13	39	55.0	1.0	1.0
			+ ePN			55.0	1.0	0.5
			+ eP			55.0	1.0	0.2
			+ ePE	16	14	22.3	1.0	0.5
			- ePN			22.2	1.0	0.2
			+ eP			22.2	1.0	0.2
		02	- ePE	01	00	23.2	1.0	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)		
		h	m	s				
July	02	+ ePN	01	00	23.2	1.0	0.5	
		+ eP			23.2	1.0	0.5	
	+ ePE	20	23	18.9	1.0	1.0		
			+ ePN			18.9	1.0	1.0
			- eP			18.9	1.0	0.8
			- ePE	21	16	27.0	1.0	0.5
			+ eP			27.0	1.0	0.5
		03	+ ePE	01	36	55.1	1.0	0.3
			- ePN			55.1	1.0	0.3
			+ iP			55.1	1.0	0.2
			- ePE	01	47	43.9	0.7	0.2
			- ePN			43.9	0.7	0.2
			- eP			43.9	0.7	0.5
			+ iPE	02	04	36.1	1.1	0.2
			+ iPN			36.1	1.1	0.5
			+ iP			36.1	1.1	0.5
			+ ePE	03	16	30.2	1.0	0.2
			+ ePN			30.2	1.0	0.5
			- eP			30.2	1.0	0.8
			- ePE	05	44	36.5	1.1	0.5
			- ePN			36.5	1.1	0.2
			+ iP			36.5	1.1	1.2
			+ ePE	15	31	26.8	1.0	0.5
			+ ePN			26.8	1.0	0.5
			+ eP			26.8	1.0	0.5
			- ePE	22	07	36.2	1.0	0.6
			+ ePN			36.2	1.0	0.5
			- eP			36.2	1.0	0.5
		04	- ePE	04	14	54.0	1.0	0.5
			- ePN			54.0	1.0	0.3
			+ eP			54.0	1.0	0.5
			- ePE	10	29	36.5	1.1	0.2
			- ePN			36.5	1.1	0.2
			+ eP			36.5	1.1	0.3
	- ePE		14	01	37.6	0.9	1.0	
	- ePN				37.8	0.9	0.8	
	+ iP				37.8	0.9	0.8	
	- ePE		16	35	57.0	1.0	0.5	
	+ eP				57.0	1.0	0.3	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
July 05	+ ePE	01	36	33.5	1.0	0.3	
	+ eP			33.5	1.0	0.5	
	+ ePE	01	58	37.7	1.0	0.3	
	+ ePN			37.5	1.0	0.5	
	- eP			37.7	1.0	0.5	
	- ePE	14	30	08.8	1.0	0.5	
	- ePN			08.8	1.0	0.5	
	- eP			08.8	1.0	0.5	
	+ ePE	19	29	04.2	1.0	0.3	
	+ ePN			04.2	1.0	0.3	
	+ eP			04.2	1.0	0.5	
	+ ePE	20	34	24.8	1.0	0.5	
	+ ePN			24.8	1.0	0.2	
	+ eP			24.8	1.0	0.5	
	06	- ePE	11	55	31.5	1.0	0.5
		- ePN			31.5	1.0	0.5
		- eP			31.5	1.0	0.2
		- ePE	12	29	16.5	1.0	0.3
- ePN				16.5	1.0	0.3	
+ eP				16.5	1.0	0.5	
- ePN		19	25	52.3	1.0	0.2	
- eP				52.5	1.0	0.2	
- ePE		20	58	37.2	1.0	0.2	
- ePN				37.2	1.0	0.8	
+ eP				37.2	1.0	0.8	
07		+ ePE	05	43	16.3	1.0	0.7
	- eP			16.4	1.0	0.3	
	- iPE	06	06	04.0	1.0	0.7	
	- ePN			03.9	1.0	0.5	
	- iP			03.9	1.0	0.5	
	- ePE	07	26	56.9	1.0	0.5	
	+ ePN			56.7	1.0	0.5	
	- eP			56.7	1.0	0.5	
	- ePE	08	14	03.7	0.6	0.3	
	+ ePN			03.5	0.6	0.6	
	- eP			03.7	0.6	0.3	
	+ ePE	17	41	37.4	1.0	0.3	
	- ePN			37.4	1.0	0.2	
	+ eP			37.4	1.0	0.3	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
July 07	- ePE	18	17	20.7	1.0	0.5
	+ ePN			19.9	1.0	0.3
08	+ eP			20.4	1.0	0.3
	+ iPE	22	21	51.8	0.8	1.0
	- ePN			51.8	0.8	0.3
	- iP			51.8	0.8	1.2
	- ePE	01	12	27.9	1.0	2.0
	+ ePN			27.9	1.0	0.8
	+ eP			27.9	1.0	0.3
	- ePN	01	43	35.1	1.0	0.2
	- eP			34.9	1.0	0.5
	+ ePE	01	49	29.4	1.0	1.0
	+ ePN			29.5	1.0	0.5
	+ eP			29.4	1.0	0.2
09	+ ePE	02	38	54.9	0.7	0.2
	+ eP			54.9	0.7	0.3
	- ePE	05	13	16.9	1.0	0.5
	+ ePN			16.9	1.0	0.5
	- eP			17.1	1.0	0.3
	+ ePE	17	36	32.1	1.0	0.3
	+ eP			32.1	1.0	0.3
	- ePE	18	28	16.8	1.0	0.5
	- ePN			16.9	1.0	0.3
	+ eP			16.9	1.0	0.2
	- ePE	18	30	38.9	1.0	0.5
	+ eP			38.9	1.0	0.2
	- ePE	03	41	09.9	1.0	0.3
	+ eP			09.9	1.0	0.5
	- ePE	12	38	17.9	1.0	0.5
- ePN			17.9	1.0	0.3	
+ eP			17.9	1.0	0.3	
- ePE	14	13	30.4	1.0	1.5	
+ ePN			30.4	1.0	0.2	
- eP			30.4	1.0	1.8	
+ ePE	18	50	12.0	0.8	0.3	
+ ePN			12.0	0.8	0.3	
- eP			12.0	0.8	0.3	
10	+ ePE	03	50	10.9	1.0	0.3
	+ ePN			10.9	1.0	0.3

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
July	10	- eP	03	50	10.9	1.0	0.2
		+ ePN	05	24	10.9	1.0	0.2
	- eP			10.9	1.0	0.3	
	+ ePE	19	31	37.1	1.0	0.3	
	+ ePN			37.1	1.0	0.3	
	+ eP			37.1	1.0	0.5	
	- ePE	20	07	17.9	0.8	0.5	
	- ePN			17.9	0.8	0.3	
	+ eP			17.9	0.8	0.2	
	- ePE	20	18	16.1	1.0	0.5	
	- eP			16.1	1.0	0.2	
	11	+ ePE	04	31	41.1	0.7	0.2
					41.1	0.7	0.4
		+ ePN			41.1	0.7	0.2
		+ ePE	05	45	38.9	1.2	0.5
		- eP			39.0	1.0	0.5
		- ePE	08	44	00.9	1.0	0.5
		- ePN			00.9	1.0	1.0
		+ eP			00.9	1.0	1.0
		- ePE	10	03	05.9	0.7	0.3
- ePN				05.9	0.7	0.3	
+ eP				05.9	1.0	0.2	
- ePE		16	39	38.9	0.8	0.2	
- ePN				38.9	0.8	0.3	
+ eP				38.9	0.8	0.2	
+ ePE		00	33	56.1	1.0	0.5	
- eP				56.1	1.0	0.6	
- ePE		01	05	19.9	1.0	0.2	
+ ePN				19.9	1.0	0.2	
+ eP			19.9	1.0	0.2		
- ePE	03	31	46.9	0.8	0.5		
- ePN			46.9	0.8	0.5		
+ eP			46.9	0.8	0.2		
- ePN	22	11	40.9	1.0	0.3		
+ eP			40.9	1.0	0.3		
13	- iPN	02	07	27.4	1.3	1.5	
	- iP			27.4	1.4	1.8	
	+ ePN	08	11	42.8	1.0	0.3	
	- eP			42.8	1.0	0.3	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
July	13	+ ePN	11	13	09.9	1.0	0.2
		+ eP			09.9	1.0	0.2
	- ePN	17	14	09.4	0.8	0.5	
	+ eP			09.4	0.8	0.5	
	- ePE	21	19	37.9	0.8	0.5	
	+ eP			37.9	0.8	0.2	
	14	+ ePN	02	13	52.8	1.0	0.2
		- iP			52.8	1.0	0.5
		+ ePN	03	00	53.0	1.0	0.5
		+ iP			53.1	1.0	1.5
		+ ePN	14	19	35.9	1.2	0.5
		+ eP			36.0	1.2	0.3
		- ePN	22	13	08.1	1.0	0.3
		- eP			08.1	1.0	0.3
		+ ePE	01	14	46.9	1.0	0.3
		+ eP			46.9	1.0	0.2
		- ePN	05	17	04.9	1.0	0.2
	+ eP			04.9	1.0	0.3	
	- ePN	17	12	01.7	1.0	0.3	
	- eP			01.7	1.0	0.3	
	+ ePN	22	41	23.0	1.0	0.2	
	+ eP			23.0	1.0	0.2	
	16	+ iPN	00	40	54.9	1.0	0.7
		- eSN		50	20.9	1.8	0.7
		- iP		40	54.9	1.0	1.0
		- eS		50	20.9	1.8	0.5
		- iPN	04	33	00.5	1.2	3.5
		+ iP			00.5	1.2	4.0
		- ePN	04	37	05.1	1.0	0.5
		- eP			05.1	1.0	0.2
		- ePN	16	57	20.9	1.0	0.3
		- eP			20.9	1.0	0.2
		+ ePN	17	20	57.9	1.0	2.0
+ eP				57.9	1.0	0.5	
+ ePN		20	59	47.6	1.0	0.3	
- eP				47.6	1.0	0.5	
+ ePN	23	05	14.9	0.9	1.0		
+ eP			14.8	0.9	0.5		
- ePN	04	15	31.7	1.0	0.2		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
July 17	+ eP	04	15	31.7	1.0	0.5
	+ ePN	08	48	38.4	1.0	0.3
18	- iP			38.4	1.0	1.0
	+ ePN	09	37	35.4	1.0	0.5
	- eP			35.4	1.0	1.0
	- ePN	22	14	56.7	1.0	0.2
	- eP			56.7	1.0	0.3
	+ ePN	07	54	27.7	1.0	0.2
	+ eP			27.7	1.0	0.2
	+ iPN	21	17	39.6	1.0	0.8
	+ iP			39.6	1.0	0.8
	19	- ePN	00	59	30.1	1.0
- eP				30.3	1.0	0.3
+ ePN		04	44	53.8	1.0	1.0
- eP				53.8	1.0	0.5
+ ePN		05	16	11.1	1.0	0.3
+ eP				11.1	1.0	0.2
-ePN		07	45	06.7	0.9	0.5
+ eP				06.7	0.9	0.5
+ ePN		13	27	12.8	0.8	0.5
+ iP				12.6	0.8	0.7
20	+ ePN	18	46	46.7	1.0	0.3
	+ eP			46.7	1.0	0.5
	+ ePN	04	53	27.8	0.9	0.5
	+ eP			27.8	1.0	0.2
	+ ePN	09	13	01.0	1.0	0.7
	+ eP			01.0	1.0	0.3
	+ iPN	17	35	39.3	1.0	0.5
	- iP			39.3	1.0	1.6
	- iPE	08	49	39.0	1.0	0.6
	- iPN			39.0	1.0	1.0
21	+ iP			39.0	1.0	1.0
	+ ePE	07	04	03.0	1.1	0.2
	+ ePN			03.0	1.1	0.3
	- eP			03.0	1.1	0.3
	+ iPE	03	22	19.8	1.0	1.3
	+ ePN			20.0	1.0	0.8
	+ iP			19.8	1.0	1.0
	LP + iPE			19.8	6.6	1.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
July 22	- eSE	03	26	55.3	7.5	2.0
	+ iPN		22	19.8	6.6	0.8
23	+ eSN		26	56.3	7.5	1.0
	+ iP		22	19.8	9.0	0.8
	+ iPE	06	14	12.0	1.2	1.8
	+ ePN			11.9	1.0	1.4
	- iP			12.0	1.2	2.3
	+ ePE	20	19	34.8	0.8	0.2
	+ ePN			34.8	1.0	0.3
	- eP			34.8	1.0	0.2
	+ ePE	00	46	20.2	1.0	0.3
	+ ePN			20.2	1.0	0.7
24	- eP			20.2	1.0	0.2
	+ ePE	10	03	32.5	0.8	0.5
	+ ePN			32.5	0.8	0.5
	+ iP			32.3	0.8	0.5
	+ ePE	12	54	18.8	1.0	1.0
	- eP			18.8	1.0	0.3
	+ ePE	14	58	01.2	1.1	0.5
	- ePN			01.2	1.0	0.3
	- eP			01.2	1.0	0.2
	+ iPE	16	32	14.3	0.7	1.8
25	+ ePN			14.5	0.7	0.9
	+ iP			14.3	0.7	1.5
	- ePN	19	33	04.0	1.3	0.2
	+ eP			04.0	1.3	0.5
	- ePE	16	46	34.0	0.8	0.3
	- ePN			34.0	0.8	0.5
	+ eP			34.0	0.8	0.3
	- ePE	19	55	17.0	1.0	0.5
	- eP			17.0	1.0	0.2
	- ePE	20	30	07.1	1.1	0.2

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
July 25	- eP	08	53	14.0	1.0	0.5	
	+ iPE	09	32	49.2	1.3	0.5	
	+ iPN			49.2	1.0	0.5	
July 26	- iP			49.2	1.6	1.2	
	+ ePE	07	25	05.2	1.0	0.3	
	+ eP			05.2	1.0	0.3	
	+ ePE	07	27	15.8	0.8	0.5	
	- eP			15.8	0.8	0.2	
	- ePE	16	29	20.0	1.0	0.5	
	- ePN			20.0	1.0	0.5	
	+ eP			20.0	1.0	0.5	
	- ePE	21	21	05.4	0.8	0.2	
	+ ePN			05.4	0.8	0.2	
	+ eP			05.4	0.8	0.2	
	July 27	- ePE	00	40	28.7	0.8	0.3
		+ eP			28.7	0.8	1.0
		+ ePE	02	10	01.4	1.0	0.3
		+ ePN			01.4	1.0	0.2
+ eP				01.4	1.0	0.2	
- ePE		07	15	02.1	1.0	0.3	
- ePN				02.1	1.0	0.5	
- eP				02.1	1.0	0.2	
July 28		- ePE	07	29	52.1	0.8	0.2
		- ePN			52.1	0.8	0.5
	+ eP			52.1	0.8	0.2	
	July 29	+ iPE	05	16	55.5	1.0	2.0
+ eSE			27	08.5	1.5	2.0	
+ ePN			16	55.5	0.8	0.3	
+ eSN			27	08.5	1.2	1.5	
- iP			16	55.5	0.9	2.2	
+ eS			27	08.5	1.6	0.5	
+ ePE		11	12	46.3	1.0	0.2	
+ ePN				46.3	1.0	0.3	
- eP				46.3	1.0	0.3	
+ ePE		20	47	49.5	1.1	1.2	
+ eP				49.5	1.2	0.5	
July 30	+ ePE	21	26	47.0	0.9	0.5	
	- eP			47.0	0.9	0.6	
	+ ePE	03	20	35.5	1.2	1.3	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
July 30	+ ePN	03	20	35.5	1.0	0.5
	- iP			35.5	1.0	1.5
	- ePE	05	09	20.2	1.0	0.3
	- ePN			20.2	1.0	0.3
	+ eP			20.2	1.0	0.5
	- ePE	08	19	29.0	0.5	1.0
	+ ePN			29.0	0.5	1.3
	+ eP			29.0	0.5	0.5
	- ePE	17	53	34.5	1.1	0.5
	- ePN			34.5	1.1	0.2
	+ eP			34.5	1.1	0.3
	+ ePE	20	27	12.0	1.3	0.3
	- ePN			12.0	1.5	0.3
	- eP			12.0	1.6	0.5
	+ ePE	22	05	21.0	1.3	0.3
	- eP			21.0	1.6	1.0
	- iPE	23	29	50.0	1.0	4.0
	- eSE		40	02.6	2.3	10.5
	- iPN		29	50.0	0.9	0.5
	+ iSN		40	02.5	1.5	7.5
	+ iP		29	50.0	0.9	5.0
	- eS		40	03.0	1.8	1.5
	July 31	+ ePE	00	19	00.5	1.0
- ePN				00.5	1.0	0.3
- eP				00.5	1.0	0.2
- ePE		03	11	26.0	1.0	0.3
+ ePN				26.0	1.0	0.2
- eP				25.9	1.0	0.2
+ ePE		03	47	23.0	1.2	0.3
+ ePN				23.0	1.0	0.2
- iP				23.0	1.0	1.0
+ ePE		23	24	34.7	0.8	1.6
- eP				34.7	0.8	0.2
- ePE		03	42	29.0	1.0	0.5
+ ePN				29.0	1.0	0.3
+ eP				29.0	1.0	0.3
August 01	+ ePE	16	10	45.9	0.8	0.3
	- ePN			45.9	0.8	0.2
	- eP			45.9	1.0	0.3



Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
August 01	- iPE	19	19	30.9	1.2	1.2
	+ ePN			30.9	1.0	0.5
02	+ iP			30.9	1.2	2.0
	+ ePE	19	58	09.5	1.0	0.5
	- eP			09.6	1.0	0.3
	- ePE	08	32	23.9	0.8	0.5
	- ePN			23.9	0.8	0.2
	- eP			23.9	0.8	0.2
	- ePE	10	57	45.7	0.8	1.2
	- ePN			46.0	0.8	1.8
	- eP			46.0	0.8	0.5
	+ ePE	10	59	43.9	1.0	0.3
	+ ePN			43.8	1.0	0.5
	+ eP			43.8	1.0	0.5
	+ ePE	15	49	30.9	1.0	0.8
	+ ePN			31.2	1.0	0.5
	- eP			31.2	1.0	0.2
	- iPE	20	00	49.4	0.9	1.0
	- iSE		10	42.1	1.2	2.2
	- iPN		00	49.4	0.9	1.5
	- iSN		10	42.1	1.2	2.2
	+ iP		00	49.4	0.9	2.5
03	- ePE	20	28	18.4	0.8	1.0
	+ ePN			18.4	0.8	0.7
	+ eP			18.5	0.8	0.3
	+ ePE	21	34	03.2	1.0	0.5
	+ ePN			03.2	1.0	0.5
	- eP			03.2	1.0	0.5
	- ePE	21	58	43.1	1.4	0.5
	- ePN			42.9	1.2	0.2
	+ iP			43.1	1.4	1.0
	+ ePE	05	00	57.4	1.5	1.0
	+ ePN			57.4	1.8	0.3
	- ePE	05	40	15.9	0.8	0.3
	+ ePN			15.9	0.8	0.5
	+ ePE	05	48	14.7	0.8	0.5
	- eP			14.7	0.8	0.2
	- ePE	07	19	55.9	1.0	0.2
+ ePN			55.9	1.5	0.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
August 03	- ePE	12	40	10.7	1.0	0.3
	- ePN			10.7	1.0	0.5
04	- ePE	18	07	33.8	0.8	0.3
	- ePN			33.8	0.8	0.5
	+ eP			33.8	0.8	0.5
	- ePE	20	33	04.9	1.0	0.2
	+ ePN			04.9	1.0	0.3
	+ eP			04.9	1.0	0.2
	- ePE	11	34	30.9	1.0	0.2
	- ePN			30.9	1.0	0.3
	+ eP			30.9	1.0	0.3
	+ ePE	11	59	15.1	1.0	0.5
	+ ePN			15.1	1.0	0.3
	- eP			15.1	1.0	0.5
	+ ePE	16	30	38.9	1.0	1.0
	- eP			39.1	1.0	0.5
	- iPE	18	10	40.5	0.9	0.5
	+ ePN			40.4	0.9	0.5
+ iP			40.4	0.9	1.8	
- ePE	18	30	05.9	1.0	0.2	
+ ePN			05.9	1.0	0.5	
- eP			05.9	1.0	0.3	
+ ePN	19	05	10.9	1.0	0.5	
+ eP			10.9	1.0	0.3	
+ ePE	19	43	24.6	0.8	1.2	
- eP			24.8	0.8	0.5	
- ePE	20	14	32.7	1.0	0.2	
- ePN			32.9	1.0	0.2	
+ eP			32.7	1.0	0.5	
- ePE	22	43	36.0	1.2	0.5	
+ eP			35.9	1.0	0.2	
+ ePE	01	27	46.8	1.0	0.2	
+ ePN			46.8	1.0	0.3	
- eP			46.8	1.0	0.5	
+ ePE	06	43	00.9	1.0	0.5	
- ePN			00.9	1.0	0.5	
+ eP			00.9	1.0	0.5	
- ePE	14	02	17.3	1.0	0.2	
- ePN			17.2	0.9	0.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
August	05						
		+ iP	14	02	17.2	0.9	0.6
		+ ePE	18	00	21.9	0.9	0.5
		+ ePN			21.9	0.9	0.2
		- eP			21.9	1.0	0.3
		- ePE	20	20	34.4	1.0	0.5
		- eP			34.4	1.0	0.5
	06	- ePE	01	11	34.7	0.7	0.5
		- ePN			34.7	0.8	0.2
		+ eP			34.7	0.8	0.6
		+ ePE	04	25	40.0	1.0	0.5
		- ePN			39.9	1.0	0.2
		+ eP			39.9	1.0	0.2
		- ePE	07	03	48.7	0.8	0.5
		- ePN			48.9	0.8	0.2
		+ eP			48.7	0.8	0.5
		+ iPE	07	27	44.9	1.2	1.0
		+ iPN			44.9	1.2	0.8
		- iP			44.9	1.2	1.0
		+ ePE	15	21	14.9	1.0	0.3
		- eP			14.9	1.0	0.5
		+ ePE	15	30	31.1	1.2	0.3
		- ePN			31.1	1.0	0.3
		+ eP			31.1	1.2	0.3
		- ePE	15	55	50.9	0.6	1.5
		- ePN			50.9	0.6	1.0
		+ eP			50.9	0.6	0.5
		- ePE	17	00	14.8	1.0	0.8
		- ePN			14.9	1.0	0.2
		+ eP			14.9	1.0	0.2
		+ ePE	18	36	53.0	1.4	0.5
		+ eP			53.0	1.0	0.2
		+ ePE	18	39	18.9	1.0	6.3
		+ ePN			18.9	1.0	0.5
		+ eP			19.1	1.0	0.5
		+ ePE	21	07	05.9	0.7	0.6
		+ ePN			05.9	0.7	0.5
		- eP			05.9	0.7	0.2
		- ePE	22	09	07.9	1.0	0.2
		- ePN			07.9	1.0	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
August	06						
		+ eP	22	09	07.9	1.0	0.2
	07	+ ePE	07	20	12.9	1.0	0.7
		+ eP			12.9	1.0	0.8
		- ePE	09	37	18.9	1.0	0.3
		- ePN			18.9	1.0	0.5
		+ iP			18.9	1.0	1.0
		- ePE	13	38	02.1	1.0	0.5
		+ ePN			02.1	1.0	0.5
		+ eP			02.1	1.0	0.5
		+ ePE	16	55	03.9	1.0	0.3
		+ ePN			03.9	1.0	0.5
		- eP			03.9	1.0	0.5
		+ ePN	18	00	11.9	1.0	0.5
		+ eP			11.9	1.0	0.3
		- ePE	19	29	12.6	1.0	0.3
		+ eP			12.4	1.0	0.5
		+ ePE	22	25	52.9	0.8	0.3
		+ eP			53.1	1.0	0.3
	08	- ePE	10	05	18.7	0.8	0.2
		+ iP			18.7	0.8	1.0
		- ePE	20	30	25.8	0.9	0.5
		+ ePN			25.6	1.0	0.5
		+ eP			25.8	1.0	0.5
		- ePN	20	36	23.9	1.0	0.2
		- eP			23.9	1.0	0.5
		- ePE	20	58	42.4	0.8	0.5
		- ePN			42.4	0.8	0.5
		+ eP			42.4	0.8	0.3
		- ePE	22	48	23.9	1.0	0.3
		+ ePN			23.9	1.0	0.5
		- eP			23.9	1.0	0.5
	09	- iP	00	49	52.8	1.0	0.5
		- iPN			52.8	1.0	0.5
		+ iP			52.8	1.0	1.0
		+ ePE	04	30	13.3	1.2	0.2
		- ePN			13.2	1.2	0.3
		- eP			13.1	1.2	0.5
		+ ePE	11	07	00.9	0.8	0.5
		+ ePN			00.9	0.8	0.6

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
August 09	- eP	11	07	00.9	0.8	0.8
	- ePE	23	17	45.9	1.0	0.3
10	+ eP			45.9	1.0	0.5
	- ePE	03	49	29.9	1.8	0.2
	+ eP			29.9	1.8	0.2
	- ePE	14	26	38.7	1.0	0.3
	+ ePN			38.7	1.0	0.6
	+ eP			38.7	1.0	0.5
	- ePE	15	44	05.8	1.0	0.2
	- ePN			05.8	1.0	0.2
	+ eP			05.8	1.0	0.5
	+ ePN	17	41	39.9	0.8	1.0
11	+ eP			39.9	0.8	0.2
	- iPE	07	43	08.7	1.0	1.0
	- ePN			08.8	1.0	1.0
	+ iP			08.7	1.0	1.8
	- ePE	10	56	47.3	1.0	1.0
	+ ePN			47.3	1.0	0.5
	- iP			47.3	1.0	1.0
	- iPE	13	44	31.7	0.9	1.0
	- ePN			31.7	0.9	0.5
	+ iP			31.7	0.9	2.0
12	- iPE	21	13	15.3	1.0	1.0
	+ iPN			15.3	1.0	0.8
	- iP			15.3	1.0	1.0
	- ePE	18	05	05.0	1.0	1.0
	+ ePN			05.0	1.0	0.2
	- eP			05.0	1.0	0.2
13	- ePE	10	06	07.3	0.9	0.2
	- ePN			07.3	0.9	0.2
	+ eP			07.3	0.9	0.5
	- ePE	11	56	39.5	0.8	0.2
	+ ePN			39.5	0.8	0.2
	- iP			39.5	0.8	0.3
	- ePE	21	46	01.8	1.0	0.5
	+ ePN			01.8	1.0	0.5
	- eP			01.8	1.0	0.2
	+ ePN	04	35	54.8	1.0	0.5
14	+ ePN			54.8	1.0	0.2

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
August 14	- eP	04	35	54.8	1.0	0.5
	- iPE	06	46	04.3	1.0	3.0
15	- iSE			51	04.7	1.9
	+ iPN			46	04.3	1.0
	- iSN			51	04.7	1.8
	- iP			46	04.3	1.0
	+ eS			51	04.7	1.8
	+ ePN	08	20	01.8	1.0	0.5
	+ eP			01.8	1.0	0.5
	+ iPE	15	46	16.2	1.0	1.0
	- iP			16.1	1.0	1.0
	- ePE	18	15	55.0	0.5	0.2
16	+ ePN			55.0	0.5	0.5
	+ eP			55.0	0.5	0.2
	- iPE	22	42	21.3	1.2	1.0
	- ePN			21.3	1.2	0.5
	+ iP			21.3	1.2	1.0
	+ ePE	08	01	15.9	1.0	0.2
	+ ePN			15.9	1.0	0.3
	- eP			15.9	1.0	0.3
	+ ePN	22	00	19.4	1.2	0.3
	+ eP			19.4	1.2	0.3
17	+ iPE	11	34	14.8	1.0	0.5
	+ iPN			14.8	1.0	0.5
	- iP			14.8	1.0	0.5
	+ ePE	05	56	08.8	1.0	0.3
	+ ePN			08.8	1.0	0.5
	+ eP			08.8	1.0	0.2
	- ePE	08	20	02.7	1.0	0.3
	- ePN			02.7	1.0	0.3
	- eP			02.7	1.0	0.3
	+ ePE	15	03	30.5	1.2	1.0
17	- ePN			30.5	1.2	1.0
	+ eP			30.5	1.8	1.7
	- iPE	17	41	33.9	1.0	2.0
	+ ePN			33.9	1.0	0.3
	- iP			33.9	1.0	0.5
	- ePN	23	54	33.7	1.0	0.3
	+ eP			33.7	1.0	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
August 17	- iPE	23	57	17.6	1.0	1.1	
	- ePN			17.6	1.1	0.5	
	+ iP			17.6	1.1	1.0	
LP + iPE	18	00	52	17.5	8.4	1.0	
				- iP	17.5	9.4	2.5
				+ ePE	15.2	2.0	1.5
+ ePN	19	08	04	15.1	2.0	0.5	
				+ eP	14.9	2.0	0.5
				- ePN	24.8	1.0	0.2
+ eP	20	02	40	24.8	1.0	0.3	
				- ePN	24.8	1.0	0.7
				- eP	25.1	1.0	0.6
- ePE	21	08	29	27.2	1.0	0.2	
				- eP	27.2	1.0	0.5
				- ePN	03.0	1.0	0.2
- ePN	22	05	23	03.0	1.0	0.2	
				- eP	03.0	1.0	0.2
				+ ePE	19.2	1.0	0.5
+ ePN	23	06	42	19.1	1.0	0.2	
				- eP	19.1	1.0	0.5
				- ePE	43.2	1.2	0.3
- ePN	24	00	02	43.2	1.2	0.2	
				- eP	43.1	1.2	0.5
				- ePE	15.2	1.0	0.3
+ ePN	25	00	12	15.2	1.0	0.2	
				+ eP	15.2	1.0	0.2
				- ePE	02.3	1.0	0.5
+ ePN	26	00	02	02.3	1.0	1.0	
				+ eP	02.3	1.0	0.5
				- iPE	07.5	0.9	0.5
+ ePN	27	08	56	07.5	0.8	0.3	
				+ iP	07.5	0.9	0.6
				- iX	07.5	0.9	3.5
+ iX	28	08	56	55.0	0.9	3.5	
				- ePE	20.8	1.5	1.0
				- ePN	21.0	1.0	0.2
- ePN	29	08	58	21.0	1.0	0.2	
				- eP	21.0	1.0	0.2
				+ ePE	46.5	1.0	0.5
- ePN	30	08	58	46.5	1.0	0.2	
				- eP	46.5	1.0	0.2
				+ ePN	46.5	1.0	0.2

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)			
		h	m	s					
August 21	+ eP	08	58	46.5	1.0	0.5			
	+ ePN			13	17	49.3	1.0	0.3	
	+ eP			13	17	49.5	1.0	0.3	
- ePE	18	34		12.8	1.0	0.2			
				- ePN	18	34	12.8	1.0	0.3
				+ eP	18	34	12.8	1.0	0.2
- ePE	19	19		18.1	0.5	0.5			
				- ePN	19	19	18.0	0.5	0.2
				- eP	19	19	18.0	0.5	0.2
+ iPE	22	08		46.8	1.5	0.5			
				+ ePN	22	08	46.8	1.5	0.3
				- iP	22	08	46.8	1.5	0.5
+ ePE	22	04	23	28.0	1.0	0.2			
				+ ePN	22	04	28.0	1.0	0.2
				- eP	22	04	28.0	1.0	0.2
+ ePN	23	07	31	14.2	1.0	0.3			
				+ eP	23	07	14.2	1.0	0.5
				+ ePE	23	07	14.2	1.0	0.5
+ ePN	24	12	31	13.5	1.0	0.5			
				+ eP	24	12	13.5	1.0	0.3
				- eP	24	12	13.5	1.0	0.2
- ePE	25	14	39	49.2	1.0	0.5			
				+ ePN	25	14	49.2	1.0	0.3
				+ iP	25	14	49.2	1.0	0.8
+ ePE	26	20	03	05.8	1.0	0.2			
				- ePN	26	20	05.8	1.0	0.3
				+ eP	26	20	05.8	1.0	0.3
- ePN	27	21	24	25.8	1.0	0.5			
				+ eP	27	21	25.8	1.0	0.5
				- ePE	03	29	32.0	1.0	0.5
+ ePN	28	03	29	32.0	1.0	0.3			
				- eP	28	03	32.0	1.0	0.3
				- ePE	05	49	17.2	1.0	0.3
+ ePN	29	05	49	17.2	1.0	0.5			
				+ eP	29	05	17.2	1.0	0.2
				+ ePE	09	08	20.0	1.0	0.3
+ ePN	30	09	08	20.0	1.0	0.5			
				- eP	30	09	20.0	1.0	0.5
				- ePE	10	21	32.2	1.0	0.3

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
August 23	- ePN	10	21	32.2	1.0	0.5
	- eP			32.2	1.0	0.2
	+ iPE	12	12	45.3	0.8	1.0
	+ ePN			45.3	0.8	0.2
	- iP			45.3	0.8	1.2
	- ePE	14	31	29.9	1.0	0.2
	+ ePN			29.9	1.0	0.2
	+ eP			29.9	1.0	0.3
	+ ePE	18	50	26.5	1.0	0.5
	+ ePN			26.5	1.0	0.5
	- eP			26.5	1.0	0.2
	- ePE	04	51	30.2	1.0	0.3
	- ePN			30.2	1.0	0.2
	- eP			30.0	1.0	0.2
August 24	- ePE	09	53	55.0	1.5	1.0
	+ ePN			55.0	1.0	0.5
	+ eP			55.0	1.0	0.2
	- ePE	16	32	10.2	1.0	0.8
	- ePN			10.2	1.0	0.2
	+ iP			10.2	1.0	1.0
	+ ePE	17	29	21.2	0.8	0.5
	+ ePN			21.2	0.8	0.5
	+ eP			21.2	1.0	0.2
	+ ePE	19	18	05.8	1.0	0.2
	+ ePN			05.8	1.0	0.5
	- eP			05.8	1.0	0.5
	- ePE	03	01	22.1	1.0	0.5
	+ eP			22.1	1.0	0.5
August 25	+ ePE	07	45	02.0	1.0	0.2
	+ ePN			02.1	1.0	0.3
	+ eP			02.0	1.0	0.2
	- ePE	13	16	50.5	1.0	0.5
	- ePN			50.5	1.0	1.0
	+ eP			50.5	1.0	0.2
	- ePE	14	19	23.8	0.7	0.2
	- ePN			23.8	0.7	0.2
	+ eP			23.8	0.7	0.5
	+ ePE	16	59	29.1	0.7	0.7
	- ePN			29.3	0.7	0.3

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
August 25	+ eP	16	59	29.1	0.7	0.5	
	- ePE	19	17	43.2	0.9	1.2	
	- ePN			43.2	0.9	2.0	
	- eP			43.2	0.9	1.0	
	+ ePE	19	20	43.5	1.0	0.2	
	+ eP			43.5	1.0	0.3	
	- ePE	23	26	52.0	1.2	0.5	
	- eP			52.0	1.2	0.2	
	August 26	+ ePE	02	44	55.0	1.0	0.2
		+ ePN			55.0	1.0	0.2
		+ eP			55.0	1.0	0.3
		+ ePE	05	07	05.8	1.2	0.8
		+ ePN			05.8	1.2	0.2
		+ eP			05.8	1.2	0.2
- ePE		05	12	19.0	0.8	0.3	
- ePN				19.0	0.8	0.5	
- eP				19.0	0.8	0.3	
+ ePE		07	26	23.0	1.0	0.3	
+ eP				23.0	1.0	0.3	
+ ePN		12	46	04.0	1.0	0.3	
+ eP				04.0	1.0	0.2	
- ePE		14	08	13.1	1.0	0.5	
August 27	+ ePN			13.2	1.0	0.2	
	+ eP			13.0	1.0	0.2	
	- ePE	20	21	09.0	1.0	0.2	
	+ ePN			09.2	1.0	0.3	
	+ eP			09.0	1.0	0.2	
	+ ePE	21	35	18.8	1.8	0.5	
	+ eP			18.8	1.8	0.5	
	+ iPE	01	48	37.1	0.6	1.0	
	+ iPN			37.1	0.6	1.0	
	+ iP			37.1	0.6	1.0	
	+ ePE	04	30	55.8	1.0	0.3	
	+ eP			55.8	1.0	0.2	
	- ePE	14	01	07.0	1.0	0.3	
	- ePN			07.0	1.0	0.3	
- eP			07.0	1.0	0.3		
August 28	- ePE	15	41	11.1	1.0	0.5	
	- ePN			11.1	1.0	0.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
August 28	+ eP	15	41	11.1	1.0	0.5	
	- ePE	18	59	54.5	1.0	1.0	
	- ePN			54.5	1.0	1.0	
	- eP			54.6	1.0	0.5	
	+ ePE	19	10	44.2	1.0	0.5	
	+ ePN			44.2	1.0	0.3	
	- eP			44.2	1.0	0.5	
	LP + eSE		21	18.8	10.3	1.0	
	+ eSN			18.8	10.3	1.2	
	+ eP		10	45.0	3.8	0.2	
	+ ePE	23	46	01.8	1.0	0.2	
	+ ePN			01.8	1.0	0.2	
	+ eP			01.8	1.0	0.2	
	29	+ ePE	06	11	34.1	1.2	1.0
		+ iPN			34.1	1.2	2.0
		- iP			34.1	1.2	2.0
		- ePE	07	05	58.0	1.0	1.5
		- ePN			58.0	1.0	0.2
		+ iP			58.0	1.0	1.2
		- ePE	22	26	24.1	0.8	0.3
- eP				24.1	0.8	0.3	
30		- ePE	05	33	03.2	1.0	1.0
		+ ePN			03.2	1.0	1.0
	- iP			03.2	1.0	1.0	
	- ePE	05	55	08.8	1.0	0.2	
	+ ePN			08.8	1.0	0.2	
	- eP			08.8	1.0	0.3	
	+ iPE	07	27	41.3	0.8	0.7	
	+ iPN			41.3	0.8	2.0	
	+ iP			41.3	0.8	0.7	
	- ePE	10	43	03.0	1.8	1.0	
- ePN			03.0	1.8	0.3		
+ eP			03.0	1.8	1.5		
LP + eSE		54	07.5	12.2	5.5		
+ iSN			06.5	12.2	4.5		
+ eP		43	03.0	4.7	0.5		
+ iS		54	06.0	9.4	1.2		
- iPE	14	03	25.8	0.6	1.0		
- iPN			25.7	0.6	1.5		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
August 30	- iP	14	03	25.7	0.6	1.0	
	+ ePE	18	04	19.0	0.8	0.5	
	- ePN			19.0	0.8	0.5	
	+ eP			19.0	0.8	0.5	
	- ePE	22	24	04.8	0.8	0.2	
	- ePN			04.8	0.8	0.2	
	- eP			04.8	0.8	0.2	
	31	+ ePN	02	55	45.2	1.5	0.3
		+ eP			45.2	1.5	0.2
		- ePE	04	34	10.1	1.0	0.5
- eP				09.9	1.0	0.3	
+ iPE		05	46	22.0	0.8	1.0	
+ iPN				22.0	0.8	1.2	
+ iP				21.8	0.8	0.6	
- ePE		06	34	42.9	1.0	0.5	
+ ePN				43.1	1.0	0.5	
- eP				42.9	1.0	0.5	
September 01	- ePE	08	08	42.7	1.0	1.0	
	- eP			42.7	1.0	0.5	
	- ePE	11	59	40.4	1.0	0.2	
	- ePN			40.4	1.0	0.5	
	+ eP			40.4	1.0	0.2	
	- ePE	13	33	38.7	0.6	0.2	
	- ePN			38.7	0.6	1.0	
	- eP			38.7	0.6	0.5	
	- ePE	08	50	17.0	1.0	0.5	
	+ ePN			16.9	1.0	0.5	
September 02	- eP			16.9	1.0	0.3	
	- iPE	12	59	52.2	1.5	1.3	
	- ePN			52.2	1.5	0.6	
	+ eP			52.2	1.5	2.0	
	+ ePE	22	24	12.7	0.9	0.3	
	+ eP			12.7	0.9	0.5	
	+ ePE	02	08	19.4	1.1	0.2	
	- ePN			19.4	1.0	0.5	
	- eP			19.4	1.0	0.5	
	- ePE	02	18	44.1	1.0	0.3	
- ePN			44.1	1.0	0.3		
- eP			44.1	1.0	0.5		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
September 02	- ePE	04	27	20.0	1.0	0.2
	- ePN			20.0	1.0	0.3
	+ eP			20.0	1.0	0.3
	+ ePE	04	29	28.1	1.0	0.2
	+ ePN			28.1	1.0	0.3
	- eP			28.1	1.0	0.8
	+ ePE	13	38	42.9	0.8	0.2
	+ ePN			42.9	0.8	0.3
	- eP			42.9	1.0	0.3
	- ePE	14	17	23.9	0.8	0.5
	- ePN			23.8	0.9	0.5
	+ eP			23.9	0.8	0.2
	- ePE	17	12	01.4	0.9	0.5
	+ ePN			01.4	1.0	0.8
	- eP			01.5	0.9	0.2
	- ePE	18	00	01.1	0.7	1.0
	- ePN			01.1	0.7	1.0
	+ eP			01.1	0.6	0.2
	+ ePE	21	53	14.9	1.0	0.5
	- ePN			14.9	1.0	0.2
- eP			14.9	1.0	0.5	
03	+ iPE	00	49	50.2	1.1	0.8
	+ ePN			50.4	1.0	0.3
	+ iP			50.2	1.1	0.5
	+ ePE	06	44	29.1	1.2	0.3
	- ePN			29.1	1.2	0.2
	+ eP			29.1	1.2	0.5
	- ePE	08	09	05.1	1.0	0.2
	- ePN			05.1	1.2	0.3
	+ eP			05.1	1.2	0.5
	- ePE	09	05	20.7	1.5	1.0
+ eP			20.7	1.2	0.5	
- ePN			03.1	1.3	0.2	
+ eP			03.1	1.3	0.8	
- ePN	17	06	52.9	1.0	0.5	
+ eP			52.9	1.0	0.5	
04	- ePE	00	57	03.9	1.0	0.5
	- ePN			03.9	1.0	0.5
	+ eP			03.9	1.0	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
September 04	+ ePE	03	07	06.9	1.0	0.5
	+ ePN			06.9	1.2	0.5
	+ eP			07.1	1.2	0.5
	- ePE	04	44	24.9	1.0	0.8
	+ iPN			24.9	1.1	0.8
	- iP			24.9	1.1	1.2
	+ ePE	08	44	35.8	1.0	1.2
	+ ePN			35.8	0.9	0.6
	- eP			35.8	0.9	0.5
	- iPE	18	24	11.2	1.2	1.8
	- eSE		35	04.9	2.0	1.6
	- iPN		24	11.2	1.0	1.0
	+ eSN		35	04.9	2.0	1.3
	+ iP		24	11.2	1.0	2.5
	LP - ePE			11.2	9.4	1.0
	- eSE		35	04.0	13.1	4.0
	+ iPN		24	11.2	9.4	0.5
	- iSN		35	04.0	15.9	1.0
	+ iP		24	11.2	11.2	2.5
	05	- iPE	05	35	22.7	1.1
+ eSE			45	30.9	1.5	1.0
+ ePN			35	22.7	1.0	0.2
- iSN			45	30.9	1.5	1.0
+ iP			35	22.7	1.1	1.2
+ eS			45	30.9	1.5	0.3
+ ePE		17	18	01.9	0.8	2.8
+ ePN				01.9	0.8	0.5
+ eP				01.9	0.8	0.5
- iPE		17	31	18.1	1.0	0.5
+ iSE		41	37.2	1.8	1.5	
+ ePN		31	18.1	1.0	0.2	
+ iSN		41	37.4	1.6	1.0	
+ iP		31	18.1	1.0	0.5	
- iPE	17	43	02.4	1.0	2.5	
- eSE		53	19.9	1.5	0.5	
- iPN		43	02.4	1.0	2.0	
- iSN		53	19.9	1.5	0.5	
+ iP		43	02.4	1.0	4.5	
+ eS		53	19.9	1.8	0.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
September 05	- ePE	18	15	58.9	1.2	0.5	
	- iXE		16	11.9	1.2	2.0	
	- ePN		15	58.9	1.1	0.5	
	- iXN		16	11.9	1.0	2.0	
	+ eP			58.9	1.1	0.7	
	+ iX			11.9	1.2	3.0	
	- ePE	18	28	02.4	0.8	0.3	
	+ ePN			02.4	0.8	0.2	
	- eP			02.4	0.8	0.3	
	+ ePE	18	32	28.1	1.0	1.0	
	+ ePN			28.0	0.8	0.5	
	- eP			28.0	0.8	0.2	
	- ePE	18	54	24.1	1.0	0.2	
	- ePN			24.1	1.0	0.2	
	+ eP			24.1	1.0	0.5	
	- ePE	23	49	02.9	0.8	0.2	
	- ePN			02.9	0.8	0.5	
	- eP			02.9	0.8	0.2	
	06	- ePE	06	08	30.4	1.0	0.5
		- ePN			30.4	1.0	0.3
+ eP				30.4	1.0	0.8	
- ePE		11	45	03.4	0.9	0.3	
- ePN				03.4	1.0	0.3	
- eP				03.4	0.8	1.0	
- iPE		18	18	53.4	1.0	0.7	
- iPN				53.4	1.0	0.7	
+ iP				53.4	1.0	0.7	
+ ePE		19	54	27.1	1.0	0.5	
+ ePN				27.1	0.8	0.2	
+ eP				27.1	1.0	0.3	
- iPE		23	01	10.1	1.0	0.5	
+ iPN				10.1	1.0	0.3	
- iP				10.1	1.0	1.0	
- ePE		23	36	01.7	0.5	0.5	
- ePN				01.7	0.5	0.3	
- eP				01.7	0.5	0.2	
07		- ePE	03	06	04.0	1.3	0.2
		- ePN			04.0	1.3	0.3
	+ eP			03.9	1.2	0.3	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
September 07	- ePE	11	38	58.9	1.2	0.4	
	- ePN			58.9	1.2	0.2	
	- eP			58.9	1.8	0.2	
	+ ePE	17	05	28.7	0.8	0.5	
	+ ePN			28.7	0.4	1.0	
	+ eP			28.7	0.4	0.3	
	+ ePE	20	13	25.9	1.2	1.0	
	+ ePN			25.9	1.2	0.3	
	- eP			25.9	1.2	0.5	
	08	- iPE	03	25	27.0	1.0	1.2
		- ePN			27.0	1.0	0.3
		+ iP			27.0	0.9	2.0
		+ ePE	11	54	19.9	0.8	0.3
		+ ePN			19.9	0.8	0.5
		+ eP			19.9	0.8	1.0
+ ePE		12	27	04.5	1.0	1.0	
+ ePN				04.5	1.0	1.0	
- eP				04.5	1.0	0.5	
09		- ePE	02	57	08.6	1.5	0.3
		- ePN			08.6	1.5	0.3
		- eP			08.6	1.5	0.5
		LP + eP			08.7	4.7	0.3
		+ ePE	03	27	41.1	1.0	0.3
		+ ePN			41.1	1.0	1.0
	- eP			41.1	1.0	0.5	
	- ePE	07	40	24.9	1.0	1.0	
	+ ePN			24.9	1.0	1.0	
	+ eP			24.9	1.0	0.5	
	- ePE	08	59	22.9	0.8	0.5	
	- ePN			22.9	0.8	0.5	
	+ eP			22.9	0.8	0.5	
	10	+ ePE	06	15	52.7	1.0	0.3
		+ ePN			52.7	1.0	0.3
- eP				52.7	1.0	0.5	
LP - eSE			26	12.8	7.1	1.0	
- iSN				12.8	13.1	1.2	
+ eP			15	52.5	8.4	0.3	
- ePE		08	53	21.5	1.0	0.3	
- ePN				21.4	1.0	0.3	



Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
September 10	- eP	08	53	21.4	1.0	0.3
	+ ePE	09	22	05.5	1.0	1.0
	- eP			05.5	1.0	0.3
	+ ePE	09	29	03.1	1.0	0.2
	+ eP			03.1	1.0	0.2
	- iPE	11	19	55.9	1.0	0.5
	- ePN			55.9	1.0	0.2
	+ iP			55.9	1.0	0.5
	+ ePE	11	04	54.8	1.2	1.5
	- ePN			54.8	1.2	0.3
11	+ eP			54.8	1.2	0.5
	- ePE	07	04	20.8	1.0	0.5
	- ePN			20.7	1.0	0.5
	- eP			20.7	1.0	0.5
	+ ePE	07	32	30.7	1.2	0.5
	+ eP			30.7	1.2	0.3
	+ ePE	10	50	11.7	1.0	0.2
	- ePN			11.9	1.0	0.3
	- eP			11.7	1.0	0.3
	- ePE	13	30	28.9	0.4	0.5
12	+ ePN			28.9	0.4	0.5
	- eP			28.9	0.4	0.5
	- ePE	13	48	34.4	1.0	1.0
	+ iP			34.4	1.0	1.0
	- ePE	20	50	44.4	0.8	0.5
	+ ePN			44.4	0.8	0.3
	- eP			44.4	0.8	0.2
	+ ePN	12	04	44.3	1.5	0.3
	+ eP			44.3	1.5	0.5
	+ ePE	12	06	48.9	1.2	1.0
13	+ ePN			48.9	1.2	1.0
	- eP			48.9	1.2	1.0
	+ ePE	08	26	31.4	1.0	0.5
	- ePN			31.4	1.0	0.3
	+ eP			31.1	1.0	0.5
	- ePE	13	04	44.1	0.5	0.5
	+ ePN			44.1	1.0	0.5
	- eP			44.1	1.0	0.2
	LP + eSE	13	15	06.4	6.0	1.2

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
September 13	+ eSN	13	15	07.5	11.1	1.2
	- eP		04	46.7	5.4	0.3
	+ ePE	13	19	17.1	1.5	0.3
	+ ePN			17.1	1.5	0.5
	- eP			17.1	1.5	0.5
	+ ePE	14	04	23.1	1.0	0.8
	+ ePN			23.1	1.0	0.3
	- eP			23.1	1.0	0.6
	- iPE	14	46	05.2	1.2	1.3
	- iPN			05.2	1.2	1.0
14	+ iP			05.2	1.2	1.8
	- ePE	15	08	10.4	1.2	0.3
	- ePN			10.4	1.2	0.3
	+ iP			10.4	1.2	0.8
	+ ePE	09	36	38.7	1.5	1.0
	+ ePN			38.7	1.2	0.8
	+ iP			38.9	1.0	1.0
	- ePE	11	50	26.6	1.0	0.5
	+ ePN			26.4	1.0	0.2
	- iP			26.4	1.0	0.8
15	- ePE	03	25	02.2	1.0	0.2
	- ePN			02.2	1.0	0.3
	+ eP			02.2	1.0	0.8
	+ ePE	13	13	27.1	0.6	0.5
	+ ePN			27.1	0.7	0.7
	+ eP			27.1	0.6	0.5
	+ ePE	13	31	14.5	1.0	0.5
	+ ePN			14.5	1.1	0.5
	- eP			14.5	1.1	0.5
	- ePE	17	59	17.8	1.5	0.6
16	- ePN			17.7	1.5	0.2
	+ eP			17.7	1.5	0.5
	+ ePE	22	25	33.9	1.2	0.7
	- iSE		35	11.9	1.5	1.0
	+ ePN		25	33.9	1.2	0.5
	- iSN		35	11.9	1.5	1.2
	+ eP		25	33.9	1.2	0.5
	- iPE	03	46	47.9	0.5	1.5
	- iSE		47	16.1	1.0	2.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
September 16	+ iPN	03	46	47.9	0.5	0.8
	+ iSN		47	16.1	1.0	1.2
	- iP		46	47.9	0.5	2.0
	- iS		47	16.1	1.0	1.8
	+ ePE	14	05	20.7	1.4	0.8
	+ ePN			20.7	1.4	0.5
	+ eP			20.7	1.4	1.0
	+ ePE	14	17	32.0	1.0	0.5
	- eP			32.0	1.0	0.8
	- ePN	23	07	46.7	1.1	0.5
	+ eP			46.7	1.1	0.5
	- ePE	02	31	11.9	1.0	0.2
	+ ePN			11.9	1.0	0.5
	+ eP			12.0	1.0	0.5
17	- ePE	03	33	32.4	1.0	0.2
	- ePN			32.4	1.0	0.3
	- eP			32.4	1.0	0.3
	+ ePE	15	45	12.9	0.6	0.3
	+ ePN			12.9	0.8	1.0
	+ eP			12.9	0.6	0.3
	+ ePE	01	02	01.7	0.9	0.3
	+ ePN			01.7	0.9	0.5
	- iP			01.7	0.9	0.7
	+ ePE	08	15	46.8	1.0	1.5
	+ ePN			46.8	1.0	1.0
	+ eP			46.8	1.0	1.0
	+ ePE	08	16	22.8	1.3	1.0
	+ ePN			22.8	1.3	1.0
+ iP			22.8	1.5	1.0	
18	- ePE	18	44	17.6	1.0	0.5
	- ePN			17.6	1.0	0.2
	+ eP			17.6	1.0	0.5
	- iPE	20	47	28.0	1.1	1.2
	- iXE			47.7	1.7	4.0
	- ePN			28.0	0.8	0.3
	+ iP			28.0	1.1	1.5
	+ iX			47.8	1.9	2.8
	- ePE	21	02	21.8	1.3	0.5
	- ePN			21.8	1.3	0.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
September 18	- eP	21	02	21.8	1.3	0.5
	- iPE	15	21	02.6	1.0	1.0
	- ePN			02.6	1.0	0.5
	+ iP			02.6	1.0	1.7
	+ ePE	17	53	01.8	1.0	0.5
	+ ePN			01.8	1.0	0.5
	+ eP			01.6	1.0	0.5
	- ePE	23	09	24.3	1.2	1.2
	+ eP			24.3	1.2	0.4
	+ ePE	06	41	25.3	0.8	0.2
	- ePN			25.3	0.8	0.5
	+ eP			25.3	0.8	0.3
	+ ePE	07	58	08.0	1.0	1.0
	+ ePN			08.0	1.0	1.0
20	- iP			07.8	1.0	1.0
	- ePE	09	31	24.9	1.0	0.8
	- ePN			25.0	0.9	1.0
	+ eP			24.9	1.0	0.5
	- ePE	17	14	29.0	1.0	0.5
	+ ePN			29.0	1.0	0.5
	+ eP			29.0	1.0	0.5
	+ ePE	18	54	48.5	1.0	0.5
	+ ePN			48.5	1.0	0.2
	- eP			48.5	1.0	0.5
	- ePE	22	30	05.0	1.0	0.2
	+ ePN			05.0	1.0	0.3
	- eP			05.0	1.0	0.5
	21	- ePE	00	22	32.8	1.0
+ ePN				32.8	1.0	0.3
+ eP				32.8	1.0	0.5
+ ePE		09	22	33.8	1.1	0.3
- ePN				34.0	1.1	0.2
- eP				33.8	1.1	0.2
+ ePE		09	58	10.0	1.0	0.2
- ePN				10.0	1.0	0.3
+ eP				10.0	1.0	0.3
+ ePE		15	49	38.0	1.2	0.5
- ePN				38.0	0.5	0.5
+ iP				38.0	0.5	1.2

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
September 21	- ePE	18	19	47.5	1.2	1.0
	- ePN			47.6	1.0	0.4
	- eP			47.6	1.0	0.3
22	+ ePE	11	23	07.7	1.0	0.5
	+ ePN			07.7	1.0	0.2
	+ iP			07.7	1.0	0.7
	+ ePE	11	57	55.5	1.1	0.3
	+ ePN			55.5	1.1	0.2
	- iP			55.5	1.1	0.5
	- iPE	12	16	47.8	0.8	1.2
	+ iPN			47.8	0.8	0.5
	- iP			47.8	0.8	1.0
	- ePE	17	48	36.0	0.7	0.5
	- ePN			36.0	0.7	0.2
	+ iP			36.0	0.7	0.7
	+ ePE	20	34	05.0	0.7	0.2
	+ ePN			05.0	0.7	0.5
	- eP			05.0	0.7	0.2
23	+ ePE	01	22	41.2	1.0	0.2
	- iXE			51.8	1.0	1.0
	+ iPN			41.2	1.0	0.5
	- eXN			51.8	1.0	1.0
	- iP			41.2	1.0	0.5
	+ iX			51.8	1.0	1.0
	- ePN	11	31	48.5	1.0	0.5
	+ eP			48.5	1.0	0.6
	+ ePE	08	43	49.8	0.5	1.5
	+ eP			49.8	0.5	0.3
24	+ ePE	20	22	08.0	1.0	0.2
	+ eSE		32	28.5	2.5	1.5
	- ePN		22	08.0	1.0	0.2
	- eSN		32	28.3	1.5	1.2
	- eP		22	08.0	1.0	0.2
	LP - iPE			15.0	3.8	0.5
	- iSE		32	30.0	13.0	3.0
	- ePN		22	15.0	3.8	0.3
	+ iSN		32	35.6	13.0	1.0
	+ iP		22	15.0	3.8	1.8
	+ iS		32	35.6	13.1	2.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
September 24	+ ePE	22	51	48.6	1.1	0.5	
	+ ePN			48.7	1.1	0.2	
	- eP			48.7	1.1	0.5	
	- ePE	23	52	49.0	1.0	1.0	
	+ eP			49.0	1.0	1.0	
	25	+ ePE	00	11	37.9	1.0	0.5
		+ ePN			37.9	0.8	0.4
		- iP			37.9	1.0	0.5
		- ePE	01	23	23.0	1.0	0.3
		- ePN			23.0	1.0	0.2
+ eP				23.0	1.0	0.3	
+ ePE		06	49	10.2	1.0	0.3	
+ ePN				10.2	1.0	0.2	
+ eP				10.2	1.0	0.3	
- ePN		07	28	37.0	1.2	0.3	
26	- eP			37.0	1.2	0.3	
	+ ePE	07	59	34.0	0.8	0.3	
	+ ePN			34.0	0.8	0.2	
	+ eP			34.0	0.8	0.2	
	+ iPE	21	16	40.7	1.1	2.5	
	- eSE		25	24.3	2.0	1.2	
	- iPN		16	40.6	1.1	1.5	
	- eSN		25	24.5	1.8	1.5	
	+ iP		16	40.6	1.1	3.0	
	- iX			47.0	1.2	5.5	
	LP + ePE			40.3	6.6	0.3	
	+ eSE		25	30.0	13.1	0.3	
	+ ePN		16	39.4	6.6	0.3	
	- eSN		25	30.0	13.1	0.5	
27	+ iP		16	40.3	6.6	0.8	
	- eS		25	29.0	13.1	0.3	
	+ ePE	21	44	54.0	1.0	0.3	
	- eP			54.0	1.0	0.3	
	+ iPE	09	14	49.0	1.1	0.5	
	+ iPN			49.0	1.1	1.0	
	- iP			48.9	1.1	0.5	
	LP - iP			48.8	8.4	1.0	
	+ ePE	09	43	17.2	1.3	0.3	
	+ ePN			17.2	1.3	0.3	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
September 27	- iP	09	43	17.2	1.3	0.5	
	+ ePE	11	03	10.6	1.0	0.5	
	+ ePN			10.6	1.0	0.3	
	- eP			10.6	1.0	0.5	
	+ ePE	21	07	08.0	1.0	1.0	
	+ ePN			08.0	1.0	1.0	
	- eP			08.0	1.0	0.5	
	+ ePE	21	46	33.0	1.0	0.6	
	+ ePN			33.0	1.0	0.5	
	- eP			33.0	1.0	0.6	
	28	- ePE	06	47	20.8	1.0	0.5
		- ePN			20.8	1.0	0.3
	29	+ eP			20.8	1.0	0.5
		+ ePE	06	50	16.9	1.2	0.5
	30	+ ePN			16.9	1.2	0.5
		- iP			16.9	1.2	1.0
		LP + eP			16.9	7.5	1.0
		+ iPE	01	27	17.9	1.0	2.0
		- ePN			17.9	1.0	0.3
		+ iP			17.9	1.0	1.5
		+ ePE	01	52	13.2	1.0	0.5
		- ePN			13.4	1.4	0.3
		+ eP			13.4	1.4	0.5
		- ePE	08	54	19.8	1.5	0.8
		+ ePN			19.8	1.5	0.3
		+ eP			19.8	1.5	0.8
	October 01	- ePE	17	01	30.9	0.8	0.5
- ePN				30.9	0.8	0.3	
02	+ eP			30.9	0.8	0.5	
	+ iPE	00	01	53.8	0.8	1.5	
	+ ePN			53.8	0.8	0.3	
	- iP			53.8	0.8	2.0	
	- ePE	00	18	46.9	0.8	0.5	
	- ePN			46.7	0.8	0.3	
	+ eP			46.7	0.8	0.5	
	+ ePE	02	54	47.9	0.8	0.5	
	+ ePN			47.9	0.8	0.5	
	- eP			47.9	0.8	0.3	
	+ ePE	09	59	38.9	1.0	0.3	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)		
		h	m	s				
October 02	+ ePN	09	59	38.9	1.0	0.3		
	+ eP			38.9	1.0	0.5		
	- iPE	20	46	21.7	0.7	0.8		
	+ iXE			41.7	1.1	2.5		
	- iXE			51.1	1.5	4.0		
	+ ePN			21.7	0.7	0.5		
	- iP			21.7	0.7	1.0		
	+ iX			41.7	1.0	2.0		
	- iX			51.1	1.8	3.2		
	+ ePE	21	15	14.9	1.0	0.2		
	+ ePN			14.9	1.0	0.5		
	+ eP			14.9	1.0	0.5		
	03	- iPE	00	06	14.4	1.0	0.8	
		+ iPN			14.4	1.0	0.5	
	04-05	- iP			14.4	1.0	1.0	
		- ePE	13	49	09.4	0.8	0.2	
		+ ePN			09.4	0.8	0.3	
		- eP			09.4	0.8	0.3	
		No records						
		06	+ ePE	03	50	27.1	1.0	1.5
			+ ePN			27.3	0.8	0.8
			+ eP			27.3	0.8	0.3
			+ ePE	15	26	09.9	1.0	1.5
			+ ePN			10.1	1.0	0.5
			+ eP			10.1	1.0	0.3
			- ePE	16	48	11.5	1.0	0.5
	- ePN				11.5	1.0	0.3	
+ eP				11.5	1.0	0.5		
- eX				22.5	1.5	1.2		
- ePE	16		55	55.2	1.0	0.3		
- ePN				55.2	1.0	0.3		
+ eP				55.2	1.0	0.5		
+ ePE	20		34	12.2	0.8	0.3		
- ePN				12.2	0.8	0.3		
- eP			12.2	0.8	0.5			
+ iX			13.2	0.8	2.0			
07	+ ePE	05	45	07.0	1.2	0.5		
	+ ePN			07.2	1.1	0.3		
	- iP			07.0	1.0	0.8		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
October 07	+ ePE	08	48	17.3	0.7	0.8
	+ eP			17.3	0.5	0.3
	- ePE	08	53	51.5	1.0	0.2
	+ ePN			51.5	1.0	0.2
	+ eP			51.5	1.0	0.5
	- ePE	12	48	05.8	1.5	0.5
	- ePN			05.8	1.5	0.3
	+ eP			05.8	1.5	1.0
	+ ePE	19	55	54.0	1.0	0.2
	+ ePN			54.0	1.0	0.3
	- eP			54.0	1.0	0.3
	+ ePE	21	37	50.7	1.5	2.0
	+ ePN			51.0	1.0	0.3
	+ eP			51.0	1.0	0.2
	- ePE	02	56	34.3	1.0	0.5
	- ePN			34.3	1.0	0.3
	- iP			34.3	1.0	0.5
	+ iX			41.2	1.0	2.0
	- ePE	13	06	00.2	0.7	0.2
	+ ePN			00.2	0.7	0.2
+ eP			00.2	0.7	0.3	
+ ePE	14	03	49.9	1.2	0.2	
+ eP			49.9	1.2	0.3	
+ ePE	19	39	17.8	0.8	0.2	
+ ePN			17.8	0.8	0.2	
+ iP			17.8	0.8	0.5	
+ ePE	23	13	33.0	1.0	0.2	
+ ePN			33.0	1.0	0.5	
- eP			33.0	1.0	0.5	
- ePN	01	00	06.0	0.8	1.0	
- eP			06.2	0.8	0.5	
- ePE	00	08	02.1	1.0	0.5	
+ eP			02.0	1.0	0.3	
+ ePE	06	00	30.0	1.0	0.5	
- ePN			30.0	1.0	0.2	
- eP			30.0	1.0	0.5	
+ ePE	09	08	41.8	0.8	0.5	
+ eP			41.8	0.8	0.5	
- ePE	19	27	43.0	0.8	0.2	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
October 10	+ iXE	19	27	48.0	1.0	1.0
	- ePN			43.0	1.0	0.2
	- eP			43.0	0.8	0.2
	+ iPE	22	54	03.9	1.0	0.5
	- ePN			03.9	1.0	0.5
	+ iP			03.9	1.2	0.5
	- iX			37.0	1.5	2.5
11	- ePE	10	11	36.2	1.0	0.5
	- ePN			36.1	1.0	0.5
	+ eP			36.1	1.0	0.5
	- ePE	10	32	43.0	0.8	0.2
	- ePN			43.0	0.8	0.5
	- eP			43.0	1.0	0.3
	+ iPE	10	59	40.2	1.0	0.5
	+ iPN			40.2	1.0	0.5
	- iP			40.2	1.0	0.5
	- ePE	11	01	49.9	0.9	0.5
	- ePN			49.9	1.0	0.5
	+ eP			49.9	0.8	0.5
	+ ePE	11	48	52.0	0.8	0.2
	+ ePN			52.0	0.8	0.2
	- eP			52.0	0.8	0.2
	+ ePE	12	31	20.2	0.7	0.4
	+ ePN			20.2	1.0	0.5
	+ eP			20.2	1.0	0.5
12	- ePF	15	24	45.5	0.8	0.3
	- ePN			45.5	0.8	0.5
	- eP			45.5	0.8	0.2
	- ePE	15	27	43.0	1.0	0.3
	+ ePN			43.0	1.0	0.3
	+ eP			43.0	1.0	0.2
	- ePE	15	42	15.0	0.8	0.3
	- ePN			15.0	0.8	0.2
	+ eP			15.0	0.8	0.2
	+ ePE	16	57	50.2	1.0	0.2
	- ePN			50.2	1.0	0.3
	- eP			50.2	1.0	0.3
	- iPE	19	02	44.0	1.1	1.0
	- eSE		13	29.2	2.0	1.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
October 12	- ePN	19	02	44.0	1.1	0.3
	+ eSN		13	29.0	1.8	1.0
13	+ iP		02	44.0	1.1	1.3
	- ePE	05	06	05.7	1.5	1.0
14	- ePN			05.6	1.5	0.3
	+ iP			05.6	1.8	2.0
	- ePE	09	49	12.0	1.0	0.5
	+ ePN			12.0	1.0	0.5
	+ eP			12.0	1.0	0.2
	+ ePE	17	47	14.5	1.3	0.5
	+ ePN			14.5	1.3	0.2
	+ eP			14.5	1.3	0.5
	+ ePE	00	19	01.9	1.0	0.3
	+ ePN			01.9	1.0	0.2
15	- eP			01.9	1.0	0.3
	- ePE	02	23	28.9	1.0	0.5
	+ ePN			28.9	1.0	0.2
	+ eP			28.9	1.0	0.5
	- ePE	12	18	10.2	1.0	0.3
	- ePN			10.2	1.0	0.5
	+ eP			10.1	1.0	0.5
	+ ePE	12	38	23.2	0.8	0.5
	+ ePN			23.4	0.8	1.0
	+ eP			23.3	0.8	0.5
	- ePE	15	38	37.1	1.0	1.0
	+ ePN			37.1	1.0	0.2
	- eP			37.1	1.0	0.3
	+ ePE	17	33	17.9	0.7	0.3
	+ eP			17.9	1.0	0.5
15	+ iPE	00	03	41.2	1.0	1.5
	+ iPN			41.2	1.0	1.2
	- iP			41.2	1.0	1.5
	- ePE	01	11	35.9	1.2	0.5
	+ iSE		21	09.4	2.0	2.5
	- ePN		11	35.9	1.2	0.5
	- iSN		21	09.4	2.0	2.0
	+ eP		11	35.9	1.2	1.0
	- iX			47.8	1.2	3.0
	+ ePE	03	36	08.9	1.0	0.2

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
October 15	+ eP	03	36	08.9	1.0	0.3
	+ ePE	04	22	00.4	1.0	0.3
16	+ ePN			00.4	1.0	0.3
	- eP			00.4	1.0	0.3
	+ ePE	04	52	41.7	1.0	0.3
	- ePN			41.7	1.0	0.2
	- eP			41.7	1.0	0.5
	+ ePE	05	32	54.5	1.0	0.5
	+ ePN			54.5	1.0	0.5
	- eP			54.5	1.0	1.0
	- iPE	10	40	19.9	0.8	0.5
	- ePN			20.0	0.8	0.5
	+ iP			19.8	0.8	0.5
	+ ePE	12	11	44.9	1.0	0.3
	- ePN			44.9	1.0	0.2
	+ eP			44.9	1.0	0.5
	+ ePE	16	40	05.9	1.0	0.5
17	+ ePN			05.9	1.0	0.3
	- eP			05.9	1.0	0.3
	+ ePE	17	02	26.6	0.6	0.5
	+ ePN			26.7	0.6	0.3
	- eP			26.7	0.6	0.5
	- ePE	04	35	02.9	0.8	0.3
	- ePN			02.9	0.8	0.3
	+ eP			02.9	0.8	0.5
	- ePE	12	26	45.4	0.8	0.2
	+ ePN			45.4	0.8	0.2
	+ eP			45.4	0.8	0.3
	+ iPE	14	22	38.1	1.0	1.0
	+ iPN			38.1	1.0	1.2
	- iP			38.1	1.0	1.5
	- iPE	16	22	27.7	1.0	0.7
- iPN			27.6	0.8	0.5	
+ iP			27.6	0.8	1.0	
- ePE	06	26	16.1	0.8	0.3	
+ ePN			15.9	0.8	0.3	
- eP			15.9	0.8	0.3	
+ ePE	07	35	41.4	1.0	0.2	
+ ePN			41.4	1.0	0.2	

Date	Phase	Arrival time			* Period (seconds)	Amplitude (mm)
		h	m	s		
October 17	- eP	07	35	41.4	1.0	0.2
	+ ePE	10	44	23.0	0.8	0.3
	+ ePN			23.0	0.8	0.5
	- eP			23.0	0.8	0.2
	+ ePE	18	33	18.6	1.0	0.5
	+ ePN			18.4	1.0	0.5
	- eP			18.4	1.0	0.5
	+ iPE	21	35	08.0	1.1	1.0
	+ ePN			08.0	1.1	0.2
	+ iP			08.0	1.1	1.4
	- ePN	01	09	57.8	1.0	0.3
	- eP			57.8	1.0	0.5
18	+ iPE	02	41	25.0	1.0	0.8
	+ iPN			25.0	1.0	0.7
	- iP			25.0	1.0	0.8
	+ ePE	10	54	42.2	0.9	1.5
	- ePN			42.2	0.9	1.0
	+ eP			42.2	0.9	0.5
	+ iPE	18	30	35.0	1.1	1.5
	+ eXE			42.0	1.2	1.2
	+ iP			34.8	1.0	0.8
	+ iX			42.0	1.0	2.0
	LP + eSE		40	37.5	11.3	1.0
	+ eSN			37.5	10.3	1.4
+ eP		30	37.5	7.5	0.8	
- eS		40	43.1	10.3	1.2	
+ ePN	20	58	54.0	1.0	0.3	
+ eP			54.0	1.0	0.3	
- ePE	23	18	02.0	1.0	0.2	
+ ePN			02.0	1.0	0.2	
+ eP			02.0	1.0	0.3	
19	+ ePE	22	19	21.0	1.0	0.5
	+ ePN			21.0	1.0	0.5
	- eP			21.0	1.0	0.3
	- iPE	22	25	07.0	1.0	0.5
	+ iPN			07.1	1.0	1.8
	+ iP			07.0	1.0	0.5
20	LP + iP			07.0	7.5	0.5
	+ ePE	02	00	15.5	1.0	0.2

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
October 20	- eP	02	00	15.5	1.0	0.2
	- ePE	05	12	37.2	1.0	0.3
	- eP			37.2	1.0	0.2
	- ePE	06	47	48.2	1.0	0.3
	+ ePN			48.2	1.0	0.2
	+ eP			48.2	1.0	0.2
	- ePN	08	36	49.0	1.5	0.2
	- eP			49.0	1.5	0.2
	+ ePE	11	52	49.7	1.0	0.5
	+ ePN			49.5	1.0	0.2
	- eP			49.5	1.0	0.5
	21	+ ePE	00	53	21.1	0.7
+ ePN				21.0	0.7	0.5
+ eP				21.0	0.7	0.5
- ePN		09	20	11.0	1.0	0.2
+ eP				11.0	1.0	0.7
22		+ ePE	02	39	34.9	0.7
	- eP			34.9	1.0	0.3
	+ ePE	08	35	24.1	1.0	0.7
	- ePN			24.1	1.0	0.5
	+ eP			24.1	1.0	0.8
	- iPE	22	50	30.2	1.0	0.2
23	- iPN			30.2	1.0	0.3
	+ iP			30.2	1.0	0.5
	- ePE	08	39	13.2	0.8	0.3
	- ePN			13.2	0.8	0.5
	- eP			13.0	0.8	0.2
	- ePE	19	46	24.5	1.0	0.5
24	+ ePN			24.5	1.0	0.3
	- eP			24.5	1.0	0.5
	- iPE	01	49	17.5	0.8	1.5
	+ ePN			17.5	0.8	0.3
	- iP			17.5	0.8	1.0
	25	- ePE	13	35	19.3	1.0
- ePN				19.3	1.0	0.2
+ eP				19.3	1.0	0.3
- iPE		14	55	38.5	1.2	0.5
+ ePN				38.5	1.2	0.2
+ iP				38.5	1.2	1.0

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
October 26	- ePE	02	23	52.0	1.0	0.3
	- ePN			52.0	1.0	0.5
	- eP			52.1	1.0	0.3
	+ ePE	07	12	56.0	0.8	0.5
	+ ePN			56.0	0.8	0.5
	+ eP			56.0	0.8	0.5
	- ePE	17	23	40.1	1.0	0.2
	- ePN			40.3	1.0	0.2
	- eP			40.1	1.0	0.5
	27	Extreme microseismic activity				
28	+ ePE	01	14	25.1	1.0	0.2
	- ePN			25.1	1.0	0.2
29	- eP			25.1	1.0	0.3
	+ iPE	02	40	08.3	0.8	0.5
	+ ePN			08.3	0.8	0.3
	+ iP			08.3	0.8	1.2
	- iPE	03	29	29.4	1.2	4.5
	- eSE		39	44.1	1.9	1.0
	+ iXE		40	04.9	1.8	3.5
	- iPN		29	29.4	1.2	2.8
	- iSN		39	43.9	1.9	1.0
	+ iP		29	29.4	1.0	6.5
	+ eS		39	45.9	2.0	0.5
	- ePE	05	01	34.9	0.9	0.2
	+ iPN			35.0	0.9	0.5
	+ iP			34.9	0.9	0.5
	+ ePE	05	05	00.4	1.2	1.0
	- ePN			00.4	1.2	0.3
	+ eP			00.4	1.2	0.5
	- ePE	08	05	59.9	0.8	0.5
	- ePN			59.9	0.8	0.5
	- eP			59.9	0.8	0.5
+ ePE	15	33	15.7	1.0	1.0	
+ ePN			15.7	1.0	0.5	
+ eP			15.7	1.0	0.2	
- iPE	17	53	00.0	0.8	1.2	
- iPN			00.0	0.8	1.5	
+ iP			00.0	0.8	2.0	
+ iPE	19	14	44.6	0.8	2.0	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
October 29	+ ePN	19	14	44.7	0.8	0.5
	+ iP			44.6	0.8	1.2
30	+ ePN	23	54	56.7	1.0	0.5
	+ eP			56.7	1.0	0.5
	+ ePE	09	15	08.9	1.0	0.7
	- ePN			08.9	1.0	0.5
	+ eP			08.9	1.0	0.5
	+ iPE	10	42	00.9	1.0	0.5
	+ ePN			00.9	1.0	0.3
	- iP			00.9	1.0	1.0
	- ePE	17	01	17.0	1.0	0.3
	+ iXE			18.9	1.8	3.5
	- eSE		11	46.1	2.5	1.2
	- ePN		01	17.0	1.0	0.2
	+ eSN		11	45.9	2.2	1.0
	+ iP		01	17.0	1.0	0.5
31	- iX			18.8	1.8	4.5
	LP + ePE		01	17.8	6.6	0.3
	+ iSE		11	45.9	8.4	0.7
	- ePN		01	17.8	6.6	0.2
	- eSN		11	45.9	9.4	0.5
	+ iP		01	17.8	6.6	0.8
	+ ePE	00	02	04.9	0.8	0.2
	+ ePN			04.9	1.0	0.3
	- eP			04.9	1.0	0.2
	- iPE	21	35	09.1	1.0	1.0
	- ePN			09.1	1.0	0.2
	+ iP			09.1	1.0	1.2
	- ePE	01	45	48.9	0.9	0.3
	+ iPN			48.9	0.9	0.5
+ iP			48.9	0.9	1.2	
+ ePE	07	06	48.9	0.7	0.5	
+ ePN			48.9	1.0	0.7	
+ eP			48.9	1.0	0.5	
+ iPE	10	04	20.7	1.7	1.5	
+ ePN			20.7	1.0	0.3	
- iP			20.7	1.2	2.0	
+ iPE	20	07	50.1	1.1	0.5	
+ iXE			53.1	1.0	3.0	
November 01						
02	- ePE	01	45	48.9	0.9	0.3
	+ iPN			48.9	0.9	0.5
	+ iP			48.9	0.9	1.2
	+ ePE	07	06	48.9	0.7	0.5
	+ ePN			48.9	1.0	0.7
	+ eP			48.9	1.0	0.5
	+ iPE	10	04	20.7	1.7	1.5
	+ ePN			20.7	1.0	0.3
	- iP			20.7	1.2	2.0
	+ iPE	20	07	50.1	1.1	0.5
+ iXE			53.1	1.0	3.0	



Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
November 02	+ iSE	20	18	10.9	2.2	6.0
	+ iPN		07	50.1	1.0	0.5
	+ iXN			53.1	1.0	3.0
	+ iSN		18	11.1	2.3	4.8
	- iP		07	50.1	1.0	0.5
	- iX			53.1	1.0	6.5
	+ eS		18	10.9	2.0	1.0
	LP - iPE		07	50.6	12.2	3.0
	- iSE		18	13.1	16.9	12.5
	+ iPN		07	50.6	12.2	2.0
	- iSN		18	13.1	13.1	7.5
	+ iP		07	50.1	11.3	8.8
	+ iS		18	16.9	19.7	7.5
	03 + ePN	07	26	05.4	0.9	0.5
	- eP			05.4	0.9	0.5
	+ ePE	22	55	10.4	1.3	0.3
	+ ePN			10.6	1.2	0.3
	- iP			10.4	1.5	0.8
	04 - iPE	00	09	45.4	0.8	0.8
	+ iSE		19	35.2	2.0	5.8
+ iPN		09	45.4	0.8	0.5	
+ iSN		19	35.1	2.0	6.5	
- iP		09	45.4	0.8	1.0	
+ iX			48.4	1.0	3.2	
- iPE	04	02	22.5	1.3	2.0	
+ iXE			32.8	1.2	2.1	
+ iPN			22.4	1.2	1.0	
+ iP			22.4	1.2	2.5	
- iX			32.8	1.2	4.0	
- ePE	10	00	15.1	1.0	0.3	
+ ePN			14.9	1.0	0.2	
+ eP			15.1	1.0	0.3	
+ ePE	11	19	36.1	1.0	0.3	
+ ePN			36.1	1.0	0.3	
- eP			36.0	0.8	0.5	
+ iPE	31	47	36.7	1.0	2.3	
- iXE			37.9	1.1	16.5	
+ eSE		57	08.2	2.0	1.5	
- ePN		47	36.7	1.0	0.3	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
November 04	+ eSN	21	57	07.9	2.0	0.8
	- iP		47	36.7	1.0	2.0
05	+ iX			37.8	1.0	18.0
	+ ePE	00	00	51.4	1.0	0.7
	+ ePN			51.2	1.0	0.3
	- eP			51.2	1.0	1.0
	+ iPE	00	17	47.9	1.5	1.0
	- iXE		18	05.1	1.5	12.0
	- eSE		28	37.2	2.0	1.5
	+ eSN			37.4	2.8	2.3
	- iP		17	47.9	1.3	1.0
	+ iX		18	05.0	1.5	11.0
	- ePE	01	12	01.1	1.0	0.5
	+ ePN			01.1	1.0	0.5
	+ eP			01.1	1.0	0.3
	+ iPE	19	07	58.2	0.9	0.5
	+ ePN			58.2	1.0	0.3
	- iP			58.2	1.0	1.0
	- iPE	20	20	41.8	1.1	1.0
	- ePN			41.9	1.0	0.3
	+ iP			41.8	1.0	1.2
	+ iPE	22	19	31.4	1.0	0.7
+ ePN			31.4	1.0	0.3	
- iP			31.4	1.0	0.8	
06 - ePE	07	21	46.2	1.0	0.3	
+ eP			46.2	1.0	0.5	
07 - iPE	05	46	14.0	1.1	3.5	
+ iPN			14.0	1.1	1.8	
- iP			14.0	1.1	4.5	
+ iX			46.8	1.0	1.5	
- ePE	09	09	21.8	0.9	0.3	
+ ePN			21.8	0.9	1.0	
- eP			21.8	0.9	0.5	
- ePE	18	33	01.9	1.0	0.5	
+ ePN			01.9	1.0	0.3	
+ eP			01.7	1.0	1.0	
08 - ePE	00	05	10.9	1.0	1.2	
+ ePN			10.9	1.1	0.5	
- eP			10.9	1.0	0.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
November 09	+ ePE	03	00	43.4	0.9	1.1	
	- ePN			43.4	0.9	0.3	
	+ eP			43.2	0.9	0.8	
	- iPE	08	21	21.7	1.5	1.0	
	- iPN			21.7	1.5	2.2	
	+ iP			21.7	1.8	3.5	
	+ ePE	16	49	22.2	1.0	0.5	
	+ ePN			22.2	1.0	0.5	
	+ eP			22.2	1.0	0.5	
10	No record						
11	Extreme microseismic activity						
12	- ePE	01	48	31.3	1.0	1.0	
	- eP			31.0	1.0	0.5	
	- ePN	18	26	15.0	1.0	0.2	
13	+ eP			15.0	1.0	0.2	
	+ ePE	08	29	55.1	0.9	0.5	
	+ ePN			55.1	0.9	0.3	
	+ iP			55.1	0.9	0.5	
	- iPE	22	18	14.8	1.0	1.2	
	+ iPN			14.8	1.0	0.5	
	- iP			14.8	1.2	1.5	
	+ ePE	23	40	58.0	0.8	0.5	
	+ ePN			58.0	0.8	0.5	
	+ eP			58.0	0.8	0.5	
	- ePE	23	47	11.2	1.0	0.3	
	+ ePN			11.2	1.0	0.3	
	+ eP			11.2	1.0	0.5	
	14	- ePE	16	37	56.0	1.2	0.8
		+ ePN			56.0	1.2	0.3
- eP				56.0	1.2	0.5	
- ePE		22	39	52.8	0.8	0.3	
- ePN				52.8	0.8	0.2	
+ iP				52.8	0.8	0.5	
15	- ePE	15	57	30.4	1.0	0.5	
	- ePN			30.4	0.9	0.2	
	+ eP			30.4	0.9	0.5	
16	- ePE	13	01	17.4	0.9	0.3	
	- ePN			17.4	0.9	0.2	
	- eP			17.4	0.9	0.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
November 16	- ePE	14	43	38.9	1.0	0.2
	+ ePN			38.9	1.0	0.2
17	+ eP			38.9	1.0	0.3
	+ ePE	02	57	35.9	0.5	0.5
	+ ePN			35.9	1.0	1.0
	+ eP			35.9	1.0	0.5
	+ ePE	03	22	36.1	0.8	0.2
	- ePN			36.1	0.8	0.3
	- eP			36.1	0.8	0.3
	- ePE	23	55	07.7	1.0	0.8
	+ ePN			07.7	1.0	0.5
	+ eP			07.7	1.0	0.2
18	- ePE	00	57	45.9	1.0	1.0
	- ePN			45.9	1.0	0.8
	- eP			45.9	1.0	0.2
	- ePE	03	59	09.9	1.0	1.0
	- ePN			09.9	1.0	0.5
	+ eP			09.9	1.0	0.3
19	- iPE	08	31	23.9	1.0	1.0
	- ePN			23.9	1.0	0.2
	+ iP			23.9	1.0	1.5
	- ePE	10	49	14.9	1.0	0.5
	- iPN			14.9	1.0	0.5
	+ iP			14.9	1.0	0.5
	+ ePE	20	30	42.1	1.2	0.2
	- ePN			42.1	1.2	0.2
	- eP			42.1	1.2	0.6
	+ ePE	23	43	36.7	1.0	0.8
	- ePN			36.7	1.0	0.5
	+ eP			36.7	1.0	1.2
20	+ iPE	03	54	17.4	0.8	0.5
	- iPN			17.4	0.8	0.5
	+ iP			17.4	0.8	1.0
	+ ePE	06	00	50.1	0.8	0.3
	+ ePN			50.1	0.8	0.5
	- eP			50.1	0.8	0.2
	+ ePE	06	56	41.1	0.8	0.3
	+ ePN			41.1	0.8	1.0
	- eP			41.1	0.8	0.3

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
November 20	+ ePE	09	19	03.1	1.0	0.8
	- ePN			03.1	1.0	0.2
	+ eP	13	18	02.9	1.0	0.3
	- ePE			54.9	0.8	0.3
	- ePN			54.9	0.8	0.5
	+ iP			54.7	0.8	0.5
	+ ePE	14	26	49.8	1.1	1.8
	- ePN			49.9	1.1	0.2
	+ eP	14	26	49.8	1.1	0.8
	.LP - iXE			20.6	9.4	1.0
	- iXN			20.6	9.4	1.0
	- eP			51.6	7.5	0.5
	+ iX	21	22	34.6	7.1	1.0
	+ iPE			01.0	1.0	0.8
	- iPN	23	10	01.0	1.0	0.3
	+ iP			01.0	1.0	1.2
	+ ePE			03.7	1.8	0.8
	- ePN			03.7	1.8	0.2
	+ eP	23	21	03.7	1.8	0.8
	- ePE			23.4	1.2	0.5
- eP	23.4			1.3	0.5	
+ ePE	31.9			1.8	0.9	
+ ePN	23	25	31.7	1.8	0.2	
+ eP			31.7	1.8	1.0	
- ePE			19.1	1.8	0.5	
+ ePN			19.1	1.8	0.5	
21	- eP	18	21	19.1	1.8	1.0
	- ePE			46.2	1.0	0.5
	+ ePN	18	21	46.4	1.0	0.5
	+ iP			46.2	1.0	0.8
	- ePE	07	47	52.4	1.1	3.0
	- ePN			52.8	1.1	1.0
	+ eP	14	03	52.8	1.1	0.5
	- iPE			56.7	1.1	0.5
	- ePN			56.7	1.1	0.3
	+ iP			56.7	1.1	1.2
- ePE	18	06	57.9	1.0	0.3	
- ePN			57.9	1.0	0.5	
+ eP			57.9	1.0	0.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
November 23	+ ePN	08	19	52.7	1.4	0.3	
	- eP			52.7	1.4	0.5	
24	- iPN	02	00	34.0	1.0	0.3	
	+ iP			34.0	1.0	0.5	
	- ePN	02	10	44.7	1.0	0.2	
	+ eP			44.7	1.0	0.3	
	+ ePN	10	43	55.7	1.0	0.3	
	- eP			55.7	1.0	0.3	
	+ ePN	13	31	54.5	1.3	0.5	
	+ iP			54.5	1.3	1.0	
	- ePN	20	09	20.9	1.0	0.2	
	- eP			20.9	1.0	0.3	
	+ ePN	23	26	48.9	0.8	0.5	
	+ eP			48.9	0.8	0.5	
	25	+ ePN	01	42	49.8	1.0	0.2
		+ eP			49.8	1.0	0.5
		+ ePN	07	49	01.9	1.0	0.6
		+ eP			01.9	1.0	0.3
		- ePN	18	57	57.9	1.3	0.3
		- eP			57.9	1.5	0.7
+ ePN		19	52	31.9	1.0	0.3	
- eP				31.9	1.0	0.3	
- ePN		20	23	18.1	1.1	0.2	
- eP				18.1	1.1	0.6	
+ ePN		23	26	10.9	0.9	1.6	
- eP				11.0	0.9	1.0	
26	+ ePN	01	57	57.9	1.5	0.3	
	+ eP			57.9	1.5	0.5	
	- iPN	04	34	24.3	1.0	2.2	
	- iSN			43	01.1	1.3	2.5
	+ iP	34	24.2	24.2	1.0	4.2	
	+ iS			43	01.2	1.3	0.5
	- iPN	12	53	35.0	1.2	0.3	
	+ iP			35.0	1.1	0.6	
	- iPN	15	44	04.4	1.0	0.5	
	+ iP			04.4	1.0	0.8	
	27	- ePN	01	11	46.0	1.0	0.5
		- eP			46.0	1.5	0.5
- ePN		03	38	08.9	1.0	0.3	
- eP				08.9	1.0	0.3	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
November 27	+ eP	03	38	08.7	1.1	0.5	
	- ePN	03	54	34.8	0.8	0.5	
	- eP			33.9	1.0	0.2	
	+ ePN	04	38	58.1	1.2	0.5	
	- eP			58.1	1.2	0.5	
	- ePN	06	55	15.9	1.0	0.3	
	+ iP			15.9	1.0	0.5	
	- ePN	09	08	31.9	0.7	0.2	
	- eP			31.8	0.7	0.5	
	- ePN	10	51	36.0	1.0	0.3	
	+ eP			35.9	1.0	0.5	
	- ePN	12	31	14.4	1.2	0.5	
	- iP			14.4	1.2	1.3	
	- ePN	15	29	26.4	0.6	0.3	
	+ eSN			39	03.9	1.0	0.5
	- iP			29	26.2	0.7	0.8
	+ eS			39	03.9	1.5	0.3
	+ ePN	20	05	10.9	1.0	0.5	
	+ eP			10.9	1.0	0.5	
	28	- ePN	20	53	49.7	1.0	0.5
		- eP			49.7	0.9	0.5
		+ ePN	23	04	55.9	0.8	0.5
	29	- eP			55.9	0.8	0.5
		- ePN	02	26	44.1	1.2	0.7
		+ eP			44.1	1.0	1.0
	30	- ePN	09	25	31.9	1.0	0.5
		+ eP			32.1	1.0	0.5
+ ePN		11	47	38.7	1.0	0.5	
+ eP				38.9	1.0	0.5	
+ ePN		02	58	39.4	1.2	0.3	
- eP				39.4	1.2	0.5	
+ ePN		17	47	15.8	1.0	1.0	
- eSN				50	28.1	1.3	1.0
- eP				47	15.8	1.0	0.5
+ eS				50	28.0	1.7	1.0
+ ePN		22	45	07.3	1.0	0.5	
+ eP				07.1	1.0	0.5	
December 01	+ ePN	03	30	54.5	1.0	0.5	
	+ eP			54.4	1.0	0.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
December 01	+ ePN	11	06	52.1	1.0	1.0
	- eP			52.1	0.8	0.3
02	- ePN	15	06	38.9	1.0	0.2
	+ iP			38.9	1.0	0.5
	+ iP	00	33	06.9	1.0	0.5
	+ iP			06.8	1.0	1.0
	LP - iSN		43	49.5	19.7	5.0
	+ iP		33	06.6	4.7	1.0
	+ iP	01	54	05.7	1.2	1.2
	- eP	02	35	26.4	0.8	0.5
	+ ePN	04	10	14.9	1.1	0.3
	+ eP			14.9	1.1	1.0
	- eP	04	33	50.9	1.2	0.5
	- eP	06	01	37.9	1.2	1.0
03	- ePN	14	41	23.1	1.3	0.2
	- eP			23.0	1.3	0.5
	- ePN	22	06	09.6	1.8	0.3
	+ eP			09.6	1.8	0.5
	LP + ePE			10.3	7.5	0.2
	- iSE		12	09.0	13.1	2.5
	+ ePN		06	10.3	7.5	0.2
	- iSN		12	09.0	11.3	3.0
	- eP		06	10.3	7.5	0.5
	+ eS		12	13.1	9.4	1.0
	- ePN	00	41	10.8	1.0	0.3
	+ eP			10.8	1.0	0.3
04	+ ePN	01	15	02.6	1.0	0.2
	- eP			02.6	1.0	0.5
	+ iP	01	31	55.3	0.6	0.5
	- iP			55.3	0.6	1.2
	+ ePN	07	58	19.9	1.0	0.3
	- eP			19.6	1.0	0.5
	- ePN	10	45	17.6	1.0	0.3
	- eP			17.6	1.0	0.5
	- ePN	12	16	27.8	1.0	1.0
	- eP			27.9	1.0	1.0
	- ePN	15	01	58.9	1.0	0.2
	- eP			58.9	1.0	0.5
+ ePN	01	28	14.4	0.9	0.3	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
December 04	+ eP	01	28	14.4	0.9	0.2
	- ePN	08	34	28.6	0.7	1.0
05	+ eP			28.4	0.7	0.3
	+ ePN	10	35	04.7	1.0	1.5
	- eSN		43	44.9	2.0	3.5
	- iP		35	04.7	1.2	7.0
	LP + ePE			02.8	2.8	0.3
	+ ePN			02.8	2.8	0.2
	+ eP			02.8	2.8	0.5
	- ePN	18	04	25.6	1.3	0.3
	- iP			25.6	1.6	0.8
	- eP	19	38	48.1	1.0	0.5
	- ePN	22	31	02.0	0.8	0.3
	+ eP			02.0	0.8	0.2
	- ePN	02	59	25.0	1.1	0.3
	+ eP			25.0	1.1	1.0
	+ ePN	08	05	47.0	1.0	1.6
	+ eP			47.2	1.2	0.5
	+ ePN	09	13	17.0	1.0	0.3
	+ eP			17.0	1.0	0.5
	+ ePE	19	43	57.2	1.1	1.1
	+ ePN			57.2	1.1	0.6
+ eP			57.0	1.1	0.6	
+ ePE	22	12	58.2	1.3	2.0	
+ ePN			58.3	1.3	0.2	
- eP			58.2	1.3	1.0	
+ ePE	22	44	49.2	1.3	0.5	
- eP			49.2	1.3	0.5	
- iPE	01	56	25.5	1.0	0.8	
- ePN			25.5	1.0	0.3	
+ iP			25.5	1.0	1.0	
LP + eSE	02	07	17.8	8.4	0.5	
- eSN			17.8	8.4	0.5	
+ iP	01	56	25.9	7.5	0.3	
+ ePE	03	09	53.2	1.0	0.5	
+ ePN			53.3	1.0	0.3	
+ eP			53.2	1.0	0.2	
+ ePE	04	32	27.5	1.5	0.6	
+ ePN			27.7	1.5	0.3	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
December 06	- eP	04	32	27.7	1.5	1.2
	- ePE	05	42	04.6	1.0	0.5
07	+ ePN			04.6	1.0	0.5
	+ iP			04.6	1.0	1.0
	+ ePE	09	30	58.8	0.9	0.3
	+ ePN			58.8	0.9	0.2
	- iP			58.8	0.9	0.6
	+ ePE	11	55	54.2	1.1	1.0
	- ePN			54.0	1.0	0.2
	+ eP			54.0	1.2	0.5
	- ePE	23	53	06.2	0.8	0.3
	- ePN			06.2	0.8	0.7
	+ eP			06.2	0.8	0.2
	- ePE	06	09	37.1	0.7	0.3
	+ ePN			37.0	0.7	0.2
	- eP			37.0	0.8	0.3
	- ePE	10	50	56.0	1.0	0.2
	- ePN			56.0	1.0	0.3
	- eP			56.0	1.0	0.2
	- ePE	11	54	26.5	1.2	0.5
	+ eP			26.5	1.3	1.0
	+ ePE	15	03	24.7	1.2	0.8
+ ePN			24.6	1.2	0.3	
- iP			24.6	1.2	1.0	
- ePE	19	08	45.0	1.1	0.5	
- ePN			45.0	1.1	0.3	
+ iP			45.0	1.1	0.5	
+ ePE	05	03	01.5	1.0	0.2	
+ ePN			01.5	1.0	0.5	
- eP			01.5	1.0	0.5	
+ ePE	06	54	01.0	1.0	0.3	
+ ePE	08	00	36.5	1.0	0.2	
- ePN			36.5	1.0	0.3	
- eP			36.5	1.0	0.5	
- ePE	17	25	05.5	1.0	0.3	
+ ePN			05.5	1.0	1.0	
+ eP			05.8	1.0	0.5	
- ePE	18	25	00.0	1.5	1.0	
+ ePN			00.0	1.5	0.3	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
December 08	- eP	18	25	00.0	1.5	2.0
	+ ePE	20	30	28.5	1.2	1.0
09	- eP			28.5	1.2	1.0
	- ePN	20	56	31.0	1.2	0.3
	+ eP			31.0	1.2	0.8
	+ ePN	03	36	48.3	1.0	0.5
	+ eP			48.3	1.0	0.5
	- ePE	13	09	09.2	0.9	0.3
10	- eP			09.2	0.9	0.5
	- ePE	02	29	37.8	1.0	1.0
11	+ ePN			37.8	1.0	0.3
	- eP			37.8	1.0	0.5
	- ePE	04	46	04.1	0.8	0.2
	- ePN			04.1	0.8	0.5
	+ iP			04.0	0.7	0.8
	+ ePE	08	11	04.1	1.0	0.7
	+ iPN			04.1	1.0	0.8
	- iP			04.1	1.0	1.3
	+ ePE	01	26	30.1	1.0	0.8
	- ePN			30.1	1.0	0.2
	- eP			30.1	1.0	0.5
	- ePE	01	46	44.9	0.8	0.5
	+ ePN			44.9	0.8	0.2
	+ eP			44.9	0.8	0.3
12	+ ePE	05	12	44.9	1.0	0.3
	+ ePN			44.9	1.0	0.2
	- eP			44.9	1.0	0.5
	- ePE	18	45	31.9	1.2	0.3
	+ ePN			31.9	1.2	0.2
	- eP			31.9	1.2	1.0
	+ ePE	02	44	36.8	1.1	1.8
	+ ePN			36.9	1.0	0.3
	- eP			36.9	1.5	0.5
	+ ePE	03	28	01.9	1.0	0.5
12	+ ePN			01.7	1.0	0.3
	+ eP			01.7	1.0	0.5
	- ePE	17	00	12.0	1.0	0.2
	- ePN			12.0	1.0	0.2
	+ eP			12.0	1.0	0.3

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)	
		h	m	s			
December 12	+ ePE	22	20	56.0	1.0	0.2	
	+ ePN			56.0	1.0	0.5	
13	- eP			56.0	1.0	0.5	
	- ePE	16	22	01.8	1.0	0.5	
14	+ iP			01.8	1.0	1.0	
	- ePE	08	50	07.3	0.5	0.3	
	- eP			07.3	0.5	0.3	
	- ePE	13	42	39.0	0.8	0.3	
	+ eP			39.0	0.8	0.5	
	- ePE	21	01	24.0	1.2	1.0	
	+ eP			24.0	1.0	0.8	
	15	Extreme microseismic activity					
	16	+ ePE	04	20	36.0	0.8	1.2
		+ eP			35.9	0.8	1.0
17	- ePE	11	43	22.0	1.3	1.2	
	+ eP			22.0	1.5	1.0	
	- ePE	08	49	54.5	1.0	0.5	
	- ePN			54.5	1.0	0.5	
	+ eP			54.5	1.0	1.2	
	- ePE	10	04	14.1	1.0	0.5	
	- ePN			14.1	1.0	0.2	
	+ eP			14.1	1.0	0.8	
	- ePE	14	23	53.0	1.0	0.3	
	- ePN			53.0	1.0	0.2	
18	+ eP			53.0	1.0	0.3	
	+ ePE	16	59	13.4	0.8	1.5	
	- ePN			13.5	0.8	1.0	
	- eP			13.6	0.8	0.5	
	+ ePE	18	14	00.5	1.2	1.0	
	- eP			00.5	1.2	1.0	
	+ ePE	21	04	55.0	2.0	0.8	
	+ ePN			55.0	2.0	0.2	
	+ eP			55.0	2.0	1.0	
	+ ePE	01	28	10.0	0.8	0.2	
18	+ ePN			10.0	0.8	0.2	
	- iXN			14.8	1.0	2.0	
	- eP			10.0	0.8	0.2	
	- iX			14.8	1.0	2.8	
	+ iPE	07	05	12.1	1.0	0.5	

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
December 18	+ iPN	07	05	12.1	1.0	0.5
	- iP			12.1	1.0	1.0
19	+ ePE	14	09	00.4	1.2	0.3
	- eP			00.4	1.2	0.5
	- ePE	00	25	10.0	1.2	0.5
	- ePN			10.0	1.0	0.2
	+ eP			10.0	1.5	0.5
	- iPE	16	00	08.8	1.0	0.5
	- iPN			08.8	1.0	1.0
	+ iP			08.8	1.0	1.0
	- ePE	07	03	23.2	1.0	1.0
	- ePN			23.5	1.0	0.2
20	- eP			23.5	1.0	0.5
	+ ePE	09	42	47.1	1.0	0.5
	- ePN			47.1	1.0	0.3
	- eP			47.1	1.0	0.5
	- ePE	18	03	52.1	1.0	0.2
	- iPN			52.1	1.0	0.5
	+ iP			52.1	1.0	1.2
	+ ePE	21	23	54.0	1.3	0.3
	+ ePN			54.0	1.0	0.3
	- iP			54.0	1.0	1.0
21	+ ePE	10	18	31.1	1.0	0.5
	- eP			31.1	1.0	1.0
	- ePE	20	34	39.0	1.0	0.3
	+ ePN			39.0	1.1	0.5
	- iP			39.0	1.0	1.1
	- ePE	09	06	48.0	1.0	0.2
22	- ePN			48.0	1.0	0.5
	+ eP			48.0	1.0	0.5
	- iPE	12	25	28.0	1.1	1.5
	- eSE		30	39.0	1.8	2.5
	- ePN		25	28.1	1.2	0.5
	- eSN		30	39.0	1.8	2.2
	+ iP		25	28.0	1.1	1.2
	+ eS		30	39.1	1.6	1.0
	LP + iPE		25	27.2	8.4	0.5
	+ iXE		26	34.7	8.4	7.0
	+ iSE		30	38.4	16.9	2.8

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)
		h	m	s		
December 22	- ePN	12	25	29.0	8.4	0.5
	+ iXN		26	35.6	8.4	2.0
	- iSN		30	38.4	12.2	7.0
	+ iP		25	28.1	8.4	1.0
	+ iX		26	34.7	8.4	6.2
	- ePE	12	49	39.1	1.0	2.0
	+ ePN			39.0	1.0	0.5
	- eP			39.1	1.0	1.5
	- ePE	13	12	02.7	1.2	1.2
	+ ePN			02.7	1.2	0.5
23	- eP			02.7	1.2	1.1
	- ePE	16	35	14.5	1.5	1.0
	- ePN			14.7	1.3	1.0
	- iP			14.5	1.3	0.5
	+ ePE	22	42	43.5	1.0	0.8
	+ ePN			43.7	1.0	0.5
	- eP			43.5	1.0	0.5
	- iPE	05	10	51.8	1.0	1.0
	- iPN			51.8	1.0	0.5
	+ iXN			59.0	1.0	2.5
24	+ iP			51.8	1.0	1.3
	- iX			59.0	1.0	3.0
	+ ePE	07	53	10.7	1.0	1.2
	+ ePN			10.7	1.0	0.3
	+ eP			10.7	1.0	0.6
	- iPE	20	40	00.9	1.0	0.7
	- iPN			00.9	1.0	0.8
	+ iP			00.9	1.0	1.0
	- ePE	03	45	37.9	1.5	0.5
	- ePN			37.9	1.5	0.3
25	+ iP			37.9	1.5	0.6
	+ ePE	05	24	57.4	1.5	1.2
	+ eP			57.4	1.5	1.0
	- ePE	10	33	05.6	0.8	1.0
	+ ePN			05.7	0.8	0.3
	- iP			05.7	0.8	0.5
	+ iPE	10	51	17.8	1.2	1.5
	+ iPN			17.8	1.1	1.0
	- iP			17.8	1.1	1.5

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)		
		h	m	s				
December 25	- iPE	19	15	37.9	1.0	1.5		
	+ ePN			37.9	1.0	0.5		
	+ iP			37.9	1.0	1.8		
	- ePE			22	32	11.2	1.2	0.5
	- ePN					11.2	1.2	0.8
26	+ eP	22	23	11.2	1.2	1.2		
	- ePE			45.0	0.8	0.5		
	+ eP			44.8	0.8	0.5		
27	Extreme microseismic activity							
28	+ ePE	01	11	45.0	1.0	4.5		
	- eP			45.0	1.0	0.3		
	- ePE			02	53	15.0	1.8	0.5
	+ eP					15.0	1.8	1.0
	+ ePE			04	17	07.1	1.2	0.8
	+ eP					07.1	1.2	1.0
	- ePE			06	07	24.5	1.0	0.5
	+ eP					24.5	1.0	0.7
	+ ePE			08	48	20.2	0.8	0.2
	+ eP					20.2	0.8	0.3
	- iPE			09	12	20.0	1.0	0.5
	+ iP					20.0	1.0	1.3
	+ ePN			10	27	01.2	0.8	0.7
	+ eP					01.2	0.8	0.3
	+ iPE			13	41	05.2	0.7	0.5
+ iP	05.2	0.7	0.5					
29	- iPE	02	33	40.2	0.8	0.5		
	+ iP			40.2	0.8	1.5		
	+ iPE			05	01	59.3	1.0	2.8
	+ iP					59.3	1.0	3.0
	+ ePE			06	58	51.8	0.8	0.3
	+ eP					51.8	0.8	0.5
	+ ePE			19	17	44.0	1.3	1.0
	- eP					44.0	1.3	0.8
30	+ ePE	08	10	08.0	0.8	0.3		
	+ eP			08.0	0.8	0.3		
	+ ePN			23	27	19.0	0.8	2.0
	- eP					19.3	0.8	1.0
31	- ePN	02	21	38.3	0.8	1.0		
	+ eP			38.5	0.8	0.8		

Date	Phase	Arrival time			Period (seconds)	Amplitude (mm)		
		h	m	s				
December 31	+ ePN	18	03	45.8	1.0	1.0		
	+ eP			45.8	0.8	0.5		
	- ePE			18	33	36.8	0.7	1.0
	+ eP					36.6	0.7	0.3
	- ePE			21	32	37.7	0.8	0.5
	+ eP					37.8	0.8	0.5