

THE PANAMA CANAL

DEPARTMENT OF OPERATION AND MAINTENANCE
SECTION OF METEOROLOGY AND HYDROGRAPHY

REGISTER OF EARTHQUAKES AT BALBOA HEIGHTS, C. Z.

(AS RECORDED BY BOSCH-OMORI SEISMOGRAPH)

Month January Year 1925Latitude 8° 57' 39" north. N-S - 25-k
Longitude 79° 33' 29" west. Magnification 10.

Greenwich mean time midnight to midnight.

MR 73363

DATE	P. T. COMMENCE		2D GROUP COMMENCE		L. W. COMMENCE		MAXIMUM		END		MAX. AMPLITUDE	PERIOD OF PENDULUM	REMARKS
	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.			
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
26													
19													
26	19	02:50	19	03:32	19	03:56	19	04:27	19	39:00	35	20	Distance about 240 mi. Direction - ?
20													
26													
21													
28													
21													
28													
22													
28	10	59:08	10	59:52	11	00:12	11	00:22	11	18:00	4.5	20	Distance about 275 mi. Direction - ?
23													
28													
24													
28													
25													
28													
26													
30													
27													
30													
28													
29													
30													
31													

P. T. Preliminary tremors, L. W. Large waves,
Greenwich mean time five hours faster than 75th meridian time.

THE PANAMA CANAL
 DEPARTMENT OF OPERATION AND MAINTENANCE
 SECTION OF METEOROLOGY AND HYDROGRAPHY
REGISTER OF EARTHQUAKES AT BALBOA HEIGHTS, C. Z.
 (AS RECORDED BY BOSCH-OMORI SEISMOGRAPH)



Month January Year 1925

Latitude 8° 57' 39" north. N-S 100-k
 Longitude 79° 33' 29" west. Magnification 35

Greenwich mean time midnight to midnight.

MR 73363

DATE	P. T. COMMENCE		2D GROUP COMMENCE		L. W. COMMENCE		MAXIMUM		END		MAX. AMPLITUDE	PERIOD OF PENDULUM	REMARKS
	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.			
1													
													Slight tremors from 16:50 to 16:54
2													
3													
4													
5													
6													
7													
8													
													Very slight tremors from 23:23 to 23:25
9													
10													
11													
12													
13													
14													
15													
16													
17													
26 ¹⁸													
													Very slight tremors from 11:18:40 to 11:21:00
26 ¹⁹													
													Pen thrown off 44 ±
26 ²⁰													
													Very slight tremors from 20:45 to 20:49
28 ²¹													
													Slight tremors from 7:44 to 7:47
28 ²²	10:59:00		10:59:44		10:59:58	11:00:36		11:18:00		47		20	Distance about 275 miles, Direction - ?.
28 ²³													
													Slight tremors from 13:28 to 14:04
28 ²⁴													
													Slight tremors from 18:05 to 18:07
28 ²⁵													
													Slight tremors from 20:20 to 20:22
30 ²⁶													
													Very slight tremors from 7:10 to 7:13
30 ²⁷													
													Very slight tremors from 8:55 to 8:57
28													
29													
30													
31													

P. T. Preliminary tremors, L. W. Large waves,
 Greenwich mean time five hours faster than 75th meridian time.

THE PANAMA CANAL
 DEPARTMENT OF OPERATION AND MAINTENANCE
 SECTION OF METEOROLOGY AND HYDROGRAPHY
REGISTER OF EARTHQUAKES AT BALBOA HEIGHTS, C. Z.
 (AS RECORDED BY BOSCH-OMORI SEISMOGRAPH)



Month February Year 1925

Latitude $8^{\circ} 57' 39''$ north.
 Longitude $79^{\circ} 33' 29''$ west.

EW-100-K

Magnification 36

Greenwich mean time midnight to midnight.

MR 73363

DATE	P. T. COMMENCE		2D GROUP COMMENCE		L. W. COMMENCE		MAXIMUM		END		MAX. AMPLITUDE	PERIOD OF PENDULUM	REMARKS
	<i>h.</i>	<i>m.</i>	<i>h.</i>	<i>m.</i>	<i>h.</i>	<i>m.</i>	<i>h.</i>	<i>m.</i>	<i>h.</i>	<i>m.</i>			
1													
2													
3													
4	There were no earthquakes recorded during the month.												
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													

P. T. Preliminary tremors, L. W. Large waves,
 Greenwich mean time five hours faster than 75th meridian time.

THE PANAMA CANAL

DEPARTMENT OF OPERATION AND MAINTENANCE
SECTION OF METEOROLOGY AND HYDROGRAPHY

REGISTER OF EARTHQUAKES AT BALBOA HEIGHTS, C. Z.
(AS RECORDED BY BOSCH-OMORI SEISMOGRAPH)



Month March Year 1925

Latitude 8° 57' 39" north. E-W - 100-K
Longitude 79° 33' 29" west. Magnification - 35

Greenwich mean time midnight to midnight.

MR 73363

DATE	P. T. COMMENCE		2D GROUP COMMENCE		L. W. COMMENCE		MAXIMUM		END		MAX. AMPLITUDE	PERIOD OF PENDULUM	REMARKS
	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.			
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													Very slight tremors from 20:38:44 to 20:43:44
20													
21													
22													
23													
24													
25													
26													
27													
28													} Generally felt Distance about 150 Mi. Direction probably SW.
29	21:13:14								21:42:00	56 ±	20		
29	29												Slight Tremor from 23:34 to 23:37
30													Very slight tremor at 00:19
31													

P. T. Preliminary tremors, L. W. Large waves,
Greenwich mean time five hours faster than 75th meridian time.

THE PANAMA CANAL

DEPARTMENT OF OPERATION AND MAINTENANCE
SECTION OF METEOROLOGY AND HYDROGRAPHY

REGISTER OF EARTHQUAKES AT BALBOA HEIGHTS, C. Z.

(AS RECORDED BY BOSCH-OMORI SEISMOGRAPH)

Month March Year 1925Latitude $8^{\circ} 57' 39''$ north. E-W - 25-K
Longitude $79^{\circ} 33' 29''$ west. Magnification - 10

Greenwich mean time midnight to midnight.

MR 73363

DATE	P. T. COMMENCE		2D GROUP COMMENCE		L. W. COMMENCE		MAXIMUM		END		MAX. AMPLITUDE	PERIOD OF PENDULUM	REMARKS
	<i>h.</i>	<i>m.</i>	<i>h.</i>	<i>m.</i>	<i>h.</i>	<i>m.</i>	<i>h.</i>	<i>m.</i>	<i>h.</i>	<i>m.</i>			
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29	21:13:06		21:13:30		21:13:42		21:14:15		21:42:00		59		
29													
30													
31													

See 100-K reports.

*Distance**Direction* about 150 Mi.

20 Probable direction SW.

Slight tremor from 23:34 to 23:37

Very slight tremor (See 100-K report).

THE PANAMA CANAL

DEPARTMENT OF OPERATION AND MAINTENANCE
SECTION OF METEOROLOGY AND HYDROGRAPHY

REGISTER OF EARTHQUAKES AT BALBOA HEIGHTS, C. Z.

(AS RECORDED BY BOSCH-OMORI SEISMOGRAPH)

SECOND QUARTER

1925
International
Seismological
CentreMonth April Year 1925Latitude 8° 57' 39" north. **N-S 100K**Longitude 79° 33' 29" west. **Magnification 35**

Greenwich mean time midnight to midnight.

MR 73363

DATE	P. T. COMMENCE		2D GROUP COMMENCE		L. W. COMMENCE		MAXIMUM		END		MAX. AMPLITUDE	PERIOD OF PENDULUM	REMARKS
	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.			
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													Very slight tremors from 10:52:20 to 10:53:20
11													Very slight tremors from 23:03:30 to 23:07:38
12													
13													
14													
15													
16													
17													Slight tremors from 8:12:33 to 8:16:18
18													
19													
20													
21													
22													
23													Very slight tremors from 19:30:15 to 19:34:38
24													
25													
26													
27													Very slight tremors from 2:02:20 to 2:03:68
28													
29													
30													
31													

P. T. Preliminary tremors, L. W. Large waves.
Greenwich mean time five hours faster than 75th meridian time.

THE PANAMA CANAL

DEPARTMENT OF OPERATION AND MAINTENANCE
SECTION OF METEOROLOGY AND HYDROGRAPHY

REGISTER OF EARTHQUAKES AT BALBOA HEIGHTS, C. Z.

(AS RECORDED BY BOSCH-OMORI SEISMOGRAPH)

Month May Year 1925Latitude 8° 57' 39" north. N-S-25-KLongitude 79° 33' 29" west. Magnification 10

Greenwich mean time midnight to midnight.

MR 73363

DATE	P. T. COMMENCE		2D GROUP COMMENCE		L. W. COMMENCE		MAXIMUM		END		MAX. AMPLITUDE	PERIOD OF PENDULUM	REMARKS
	<i>h.</i>	<i>m.</i>	<i>h.</i>	<i>m.</i>	<i>h.</i>	<i>m.</i>	<i>h.</i>	<i>m.</i>	<i>h.</i>	<i>m.</i>			
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													

P. T. Preliminary tremors. L. W. Large waves.
Greenwich mean time five hours faster than 75th meridian time.

THE PANAMA CANAL

DEPARTMENT OF OPERATION AND MAINTENANCE
SECTION OF METEOROLOGY AND HYDROGRAPHY

REGISTER OF EARTHQUAKES AT BALBOA HEIGHTS, C. Z.

(AS RECORDED BY BOSCH-OMORI SEISMOGRAPH)

Month May Year 1925Latitude 8° 57' 39" north. **N-S-100K**Longitude 79° 33' 29" west. **Magnification 35**

Greenwich mean time midnight to midnight.

MR 73363

DATE	P. T. COMMENCE		2D GROUP COMMENCE		L. W. COMMENCE		MAXIMUM		END		MAX. AMPLITUDE	PERIOD OF PENDULUM	REMARKS
	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.			
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													

P. T. Preliminary tremors, L. W. Large waves,
Greenwich mean time five hours faster than 75th meridian time.

THE PANAMA CANAL
 DEPARTMENT OF OPERATION AND MAINTENANCE
 SECTION OF METEOROLOGY AND HYDROGRAPHY
REGISTER OF EARTHQUAKES AT BALBOA HEIGHTS, C. Z.
 (AS RECORDED BY BOSCH-OMORI SEISMOGRAPH)



June

1925

Month..... Year.....

Latitude 8° 57' 39" north. **N-S100K**Longitude 79° 33' 29" west. **Magnification 35**

Greenwich mean time midnight to midnight.

MR 73363

DATE	P. T. COMMENCE		2D GROUP COMMENCE		L. W. COMMENCE		MAXIMUM		END		MAX. AMPLITUDE	PERIOD OF PENDULUM	REMARKS
	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.			
1													
2													
3													
4													
5													
6													
7													
8												20	
9													
10													
11													
12													
13													
14													Slight tremors from distant disturbance from 22:33 to 22:55
15													
16													Very slight tremors from 3:00 to 3:02
17												20	
18													
19													
20													
21													
22													Slight tremors from 18:21 to 18:33
23													Very slight tremors from 16:51 to 16:56
24													
25													
26													
27													
28													
29													Slight tremors from distant disturbance from 1:31 to 2:14
30													Very faint tremors from distant disturbance from: 13:00 to 15.00
31													

THE PANAMA CANAL

DEPARTMENT OF OPERATION AND MAINTENANCE
SECTION OF METEOROLOGY AND HYDROGRAPHY

REGISTER OF EARTHQUAKES AT BALBOA HEIGHTS, C. Z.

(AS RECORDED BY BOSCH-OMORI SEISMOGRAPH)

International
Seismological
CentreMonth June Year 1925Latitude 8° 57' 39" north.
Longitude 79° 33' 29" west.**E-W-look**
Magnification 35

Greenwich mean time midnight to midnight.

MR 73363

DATE	P. T. COMMENCE		2D GROUP COMMENCE		L. W. COMMENCE		MAXIMUM		END		MAX. AMPLITUDE	PERIOD OF PENDULUM	REMARKS
	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.			
1													
2													
3													
4													
5													
6													
7	<i>Or. 23-43-14</i>												<i>400 km.</i> Distance about 375 Miles Direction probably N.W.
8													
9													
10													
11													
12													
13													
14													Slight tremors from distant disturbance from 22:23 to 22:55
15													
16													Very slight tremors from 3:00 to 3:02
17													
18													
19													
20													
21													
22													Slight tremors from 18:21 to 18:33
23													Very slight tremors from 16:51 to 16:56
24													
25													
26													
27													
28													
29													Slight tremors from distant disturbance from 1:31 to 2:14
30													Very faint tremors from distant disturbance from 13:00 to 15:00
31													

THE PANAMA CANAL

DEPARTMENT OF OPERATION AND MAINTENANCE
SECTION OF METEOROLOGY AND HYDROGRAPHY

REGISTER OF EARTHQUAKES AT BALBOA HEIGHTS, C. Z.

(AS RECORDED BY BOSCH-OMORI SEISMOGRAPH)



Month..... July..... Year..... 1925.....

Latitude 8° 57' 39" north.

Longitude 79° 33' 29" west.

Greenwich mean time midnight to midnight.

MR 73363

DATE	P. T. COMMENCE		2D GROUP COMMENCE		L. W. COMMENCE		MAXIMUM		END		MAX. AMPLITUDE	PERIOD OF PENDULUM	REMARKS
	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.			
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31	8:48:00	8:50:00	8:53:12	8:56:56	9:12:00	9.0	20	Distance, about 700 miles. Direction ?					
	15:28:37	15:29:00	15:29:03	15:29:15	15:32:00	8.6	20	Distance, about 125 miles. Direction ?					

P. T. Preliminary tremors, L. W. Large waves,
Greenwich mean time five hours faster than 75th meridian time,

Distance, about 160 miles. Direction ?

THE PANAMA CANAL

DEPARTMENT OF OPERATION AND MAINTENANCE
SECTION OF METEOROLOGY AND HYDROGRAPHY

REGISTER OF EARTHQUAKES AT BALBOA HEIGHTS, C. Z.

(AS RECORDED BY BOSCH-OMORI SEISMOGRAPH)

Month July Year 1925

Latitude 8° 57' 39" north.

E-W-25K

Longitude 79° 33' 29" west.

Magnification 10.

Greenwich mean time midnight to midnight.

MR 73363

DATE	P. T. COMMENCE		2D GROUP COMMENCE		L. W. COMMENCE		MAXIMUM		END		MAX. AMPLITUDE	PERIOD OF PENDULUM	REMARKS
	<i>h.</i>	<i>m.</i>	<i>h.</i>	<i>m.</i>	<i>h.</i>	<i>m.</i>	<i>h.</i>	<i>m.</i>	<i>h.</i>	<i>m.</i>			
1													
2													
3													
4													
7th													
7th													See - 100K Report
													See - 100K Report
7													See - 100K Report
8													See - 100K Report
9													See - 100K Report
10													See - 100K Report
11													
12													
13													
14													
15													
16													
17													
18													
19													See 100K - Report
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31	8:48:00		8:49:58		8:53:26		8:54:18		9:10:00		3.6	20	Distance, about 700 miles. Direction ?
31													Faint tremors - See 100K Report.

P. T. Preliminary tremors. L. W. Large waves.
Greenwich mean time five hours faster than 75th meridian time.

THE PANAMA CANAL

DEPARTMENT OF OPERATION AND MAINTENANCE
SECTION OF METEOROLOGY AND HYDROGRAPHY

REGISTER OF EARTHQUAKES AT BALBOA HEIGHTS, C. Z. (AS RECORDED BY BOSCH-OMORI SEISMOGRAPH)

THIRD QUARTER
1925
International Seismological Centre

Month August Year 1925

Latitude $8^{\circ} 57' 39''$ north. E-W-100 K
Longitude $79^{\circ} 33' 29''$ west. Magnification 35

Greenwich mean time midnight to midnight.

MR 73363

DATE	P. T. COMMENCE		2D GROUP COMMENCE		L. W. COMMENCE		MAXIMUM		END		MAX. AMPLITUDE	PERIOD OF PENDULUM	REMARKS
	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.			
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													

None recorded during month

date 9-22-1925 N.

P. T. Preliminary tremors. L. W. Large waves.
Greenwich mean time five hours faster than 75th meridian time.

THE PANAMA CANAL

DEPARTMENT OF OPERATION AND MAINTENANCE
SECTION OF METEOROLOGY AND HYDROGRAPHY

REGISTER OF EARTHQUAKES AT BALBOA HEIGHTS, C. Z.

(AS RECORDED BY BOSCH-OMORI SEISMOGRAPH)

Month September Year 1925Latitude $8^{\circ} 57' 39''$ north. **E-W- 100 K**
Longitude $79^{\circ} 33' 29''$ west. **Magnification-35**

Greenwich mean time midnight to midnight.

MR 73363

DATE	P. T. COMMENCE		2D GROUP COMMENCE		L. W. COMMENCE		MAXIMUM		END		MAX. AMPLITUDE	PERIOD OF PENDULUM	REMARKS
	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.			
1													
2													
3													
4													
5													None Recorded during month.
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													

P. T. Preliminary tremors. L. W. Large waves.
Greenwich mean time five hours faster than 75th meridian time.

THE PANAMA CANAL

DEPARTMENT OF OPERATION AND MAINTENANCE
SECTION OF METEOROLOGY AND HYDROGRAPHY

REGISTER OF EARTHQUAKES AT BALBOA HEIGHTS, C. Z.

(AS RECORDED BY BOSCH-OMORI SEISMOGRAPH)

FOURTH QUARTER
1925
International
Seismological
Centre

Month October Year 1925

Latitude 8° 57' 39" north. **E-W-100 K**

Longitude 79° 33' 29" west. **Magnification 35**

Greenwich mean time midnight to midnight.

MR 73363

DATE	P. T. COMMENCE		2D GROUP COMMENCE		L. W. COMMENCE		MAXIMUM		END		MAX. AMPLITUDE	PERIOD OF PENDULUM	REMARKS
	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.			
1													
2													
3													
4													
5	4:08:32		4:10:02		4:10:04		4:10:16		4:23:00		10.0	20	Distance abt. 485 miles Direction ?
6													
7													
8													
9													
10													
11													
12													
13	17:45:12		17:46:28		17:51:16		17:51:20		18:26:00		2.0	20	Distance abt 2400 miles Direction ?
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													

P. T. Preliminary tremors, L. W. Large waves,
Greenwich mean time five hours faster than 75th meridian time.

THE PANAMA CANAL

DEPARTMENT OF OPERATION AND MAINTENANCE
SECTION OF METEOROLOGY AND HYDROGRAPHY

REGISTER OF EARTHQUAKES AT BALBOA HEIGHTS, C. Z.

(AS RECORDED BY BOSCH-OMORI SEISMOGRAPH)

Month November Year 1925Latitude 8° 57' 39" north. **N-S-100K**
Longitude 79° 33' 29" west. **Magnification 35**

Greenwich mean time midnight to midnight.

MR 73363

DATE	P. T. COMMENCE		2D GROUP COMMENCE		L. W. COMMENCE		MAXIMUM		END	MAX. AMPLITUDE	PERIOD OF PENDULUM	REMARKS
	h.	m.	h.	m.	h.	m.	h.	m.				
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
10												Very slight disturbance between 8:10:34 and 8:13:41 Disturbance between 10:00:56 and 10:22:48
12												
13												
14												
15												
16												
16												Slight disturbance between 7:00:49 and 7:34:20 19:22:22 19:26:10 19:26:18 19:22:29 19:50:58 1.5
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												Slight disturbance between 19:25:36 and 19:26:58
28												
28												Slight disturbance between 10:04:23 and 10:06:26
29												
30												
31												

P. T. Preliminary tremors, L. W. Large waves,
Greenwich mean time five hours faster than 75th meridian time.

THE PANAMA CANAL

DEPARTMENT OF OPERATION AND MAINTENANCE
SECTION OF METEOROLOGY AND HYDROGRAPHY

REGISTER OF EARTHQUAKES AT BALBOA HEIGHTS, C. Z.

(AS RECORDED BY BOSCH-OMORI SEISMOGRAPH)

International
Seismological
CentreMonth December Year 1925Latitude 8° 57' 39" north. N-S 100 K
Longitude 79° 33' 29" west. Magnification 35

Greenwich mean time midnight to midnight.

MR 73363

DATE	P. T. COMMENCE		2D GROUP COMMENCE		L. W. COMMENCE		MAXIMUM		END		MAX. AMPLITUDE	PERIOD OF PENDULUM	REMARKS
	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.			
1													
2													
3													
4													
5													
6													
7													
8													
9													
10	14:18:52		14:21:52		14:23:55		14:24:39		14:52:00		4.0	20	} sensibly felt Distance about 600 miles Direction unknown
11													
12	8:43:00		8:43:07		8:43:12		8:43:13		8:44:00		1.4	20	Distance and direction unknown
13													
14													
15													
16													
17													
18													
19	Distant disturbance between 16:18:38 and 16:55:00											20	Distance and direction unknown.
19 20	Very slight disturbance between 19:19:01 and 19:23:14											20	Distance and direction unknown
21													
22													
23													
24													
25													
26													
27	17:42:08		17:45:18		17:46:52		17:47:30		18:04:00		1.0	20	Distance and direction unknown
28													
29													
30	19:17:34		19:17:45		19:17:50		19:17:51		19:19:00		3.0	20	Distance and direction unknown
31													

P. T. Preliminary tremors. L. W. Large waves.
Greenwich mean time five hours faster than 75th meridian time.