

## 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 1924Latitude 8° 57' 39" north. **N-S 100 E**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	14:20:06		14:20:34		-		-		14:52:00		30 +	20	Distance about 140 miles. Direction probably S.W.
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20	00:23:00		00:23:58		00:24:21		00:24:35		00:33:00		0.4	20	Distance about 340 miles. Direction unknown.
21													
22	4:06:30		4:08:30		4:08:58		4:08:38		4:24:00		6.0	20	Distance about 660 miles. Direction unknown.
23	18:17:04		18:17:42		18:17:49		18:18:13		18:24:00		1.0	20	Distance about 150 miles. Direction unknown.
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.

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	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.			
1													
2													
3													
4													
5													
6	14:20:04		14:20:32		-		-		14:50:00		30.5 +	20	Distance about 140 mile Direction probably S.W.
7													
8					Very slight tremor 7:12:00 to 7:13:30								
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20	00:23:00		00:23:58		00:24:28		00:24:38		00:30:00		0.6	20	Distance about 340 miles Direction unknown.
21													
22	4:06:38		4:08:30		4:08:54		4:08:48		4:21:00		19.0	20	Distance about 660 miles Direction unknown.
23	18:17:08		18:17:41		18:17:49		18:17:53		18:25:00		1.8	20	Distance about 250 miles Direction unknown
24													
25													
26													
27													
28													
29													
30													
31													

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	<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	00:43:59		00:44:31		00:44:39		00:44:45		00:51:33		4.5	20	Distance about 253 miles Direction unknown.
23													
24													
25													
26													
27													
28													
29													
30													
31													

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	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	00:43:55		00:44:29		00:44:41		00:44:49		00:50:00		3.0	20	Distance about 253 miles Direction unknown.
23													
24													
25													
26													
27													
28													
29													
30													
31													Very slight tremor between 3:24:50 and 3:27:00

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	<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	18:55:30		18:56:10		18:56:22		18:56:30		18:58:02		1.3	20	Distance about 63 mi. Direction ?
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20	Slight disturbance from 7:05:54 to 7:07:00												
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													

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	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.			
1													
2													
3													
4													
5													
6	18:55:28		18:56:14		18:56:26		18:56:39		18:59:28		2.5	20	Distance about 63 mi. Direction ?.
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20	Slight disturbance from 7:05:54 to 7:07:00												
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													

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	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.			
1													
2													
3													
4													
5													
6													
7													Very slight tremor at 20.20
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													Slight tremors from distant disturbance from 23:07 to 23:25
20													
21													
22													
23													
24													
25													
26													
27													Slight shock between 17:33:46 and 17:52:00
28													Local
29													
30													
31													

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	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													

Very slight tremor at 20:20

Slight tremors from distant disturbance from 23:07 to 23:25

Slight shock between 17:33:46 and 17:52:00

Local



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International  
Seismological  
Centre

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	h.	m.	h.	m.	h.	m.	h.	m.				
1												Distance about 600 miles
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												

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	<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	Slight tremor from 4:56 to 5:11												Distance about 600 miles
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													

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	<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													Slight tremors between 22.49 and 22.50
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
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26													
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28													
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30													
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	h.	m.	h.	m.	h.	m.	h.	m.	h.	m.			
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													Slight tremors 22.49 and 22.50
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													

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THE PANAMA CANAL  
CANAL ZONE  
DEPARTMENT OF OPERATION  
AND MAINTENANCE



Balboa Heights, C. Z., Dec. 12, 1924.

CABLE ADDRESS:

"PANCANAL, PANAMA"

U.S. Weather Bureau

Washington, D. C.

Gentlemen:-

There are enclosed data as below, pertinent to your records:-

- 1 --- Climatological Data, Canal Zone November 1924.
- 2 --- Register of Earthquakes " " " "
- 3 --- Ocean Meteorology, Balboa Canal Zone Nov. 1924
- 4 --- " " Cristobal " " "

*Do you want these continued?*

*R. Z. Kirkpatrick*  
R. Z. KIRKPATRICK  
Chief Hydrographer,  
Panama Canal.