

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU (SEISMOLOGY)

Location of Seismograph — U. S. Government House, Agana, Guam, M. I.

Position of Seismograph — Latitude, North $13^{\circ} - 28' - 20.3''$ Longitude East $144^{\circ} - 44' - 55.9''$

Approximate elevation of recording drum — 15 feet above M. L. L. W.

Time used, Zone, Minus 10.

JANUARY, 1927.

Date of earthquake	5TH.	5TH.	5TH.	6TH.	6TH.	6TH.
Time of beginning	5:57:30 A M	10:17:30 P M	10:30:45 P M	2:49:00 A M	4:10:10 A M	4:18:00
What doing			LAYING DOWN		LAYING DOWN	
Onset of shocks						
Nature of shocks			TREMBLING		TREMBLE	
Intensity			3		1	
Number of shocks			1		1	
Duration of each			10 SECONDS		5 SECONDS	
Direction of vibration	N-S	N-S	N-S	N-S	N-S	N-S
Sounds	NONE	NONE	NONE	NONE	NONE	NONE
Felt by	NONE	NONE	FEW	NONE	FEW	NONE

Name of observer

W.W. ROWLEY

Address of observer

NAVAL STATION, GUAM.

REMARKS

EARTHQUAKE INTENSITIES (Adapted Rossi-Forel.)

- | | |
|--|--|
| 1. Felt only by an experienced observer, very faint. | 6. Belis rung, pendulum clocks stopped. Alarm. |
| 2. Felt by a few persons at rest, faint. | 7. Fall of plaster, slight damage. Scare. |
| 3. Direction or duration appreciable, weak. | 8. Fall of chimneys, walls cracked. Fright. |
| 4. Felt by persons walking. Doors, etc., moved. | 9. Some houses partly or wholly wrecked. Terror. |
| 5. Felt by nearly everyone. Furniture moved. | 10. Buildings ruined, ground cracked. Panic. |

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Time used, Zone, Minus 10.

JANUARY, 1927.

Date of earthquake	6TH.	6TH.	6TH.	6TH.	6TH.	6TH.
Time of beginning	4:33:15 A M	4:48:15 A M	7:03:00 A M	7:11:00 A M	7:19:00 A M	8:52:20 A M
What doing	ASLEEP		SITTING			STANDING
Onset of shocks						
Nature of shocks	ABRUPT		TREMBLE			TREMBLING
Intensity	3		1			2
Number of shocks	1		1			1
Duration of each	1 MINUTE		5 SECONDS			10 SECONDS
Direction of vibration	N-S	N-S	E-W	N-S	E-W	N-S
Sounds	YES	NONE	NONE	NONE	NONE	NONE
Felt by	MANY	NONE	FEW	NONE	NONE	FEW

Name of observer

W.W. ROWLEY

Address of observer

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Time used, Zone, Minus 10.

JANUARY, 1927.

Date of earthquake	6TH.	7TH.	7TH.	7TH.	7TH.	9TH.
Time of beginning	12:14:45 P M	2:47:45 A M	2:52:30 A M	2:53:45 A M	3:19:15 A M	9:04:00
What doing						
Onset of shocks						
Nature of shocks						
Intensity						
Number of shocks						
Duration of each						
Direction of vibration	N-S	E-W	N-S	E-W	N-S	N-S
Sounds	NONE	NONE	NONE	NONE	NONE	NONE
Felt by	NONE	NONE	NONE	NONE	NONE	NONE

Name of observer

W. W. ROWLEY

Address of observer

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Time used, Zone, Minus 10.

JANUARY, 1927.

Date of earthquake	10TH.	13TH.	15TH.	16TH.	19TH.	26TH.
Time of beginning	5:25:00 P M	1:14:15 A M	1:33:45 P M	3:56:00 A M	9:00:05 P M	1:50:30
What doing	STANDING					
Onset of shocks						
Nature of shocks	TREMBLE					
Intensity	2					
Number of shocks	1					
Duration of each	5 SECONDS					
Direction of vibration	N-S	E-W	E-W	E-W	E-W	E-W
Sounds	NONE	NONE	NONE	NONE	NONE	NONE
Felt by	MANY	NONE	NONE	NONE	NONE	NONE

Name of observer

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Address of observer

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Time used, Zone, Minus 10.

JANUARY, 1927.

Date of earthquake	28TH.	29TH.	31ST.	31ST.		
Time of beginning	9:35:00 P M	6:10:20 P M	2:56:20 P M	8:19:15 P M		
What doing						
Onset of shocks						
Nature of shocks						
Intensity						
Number of shocks						
Duration of each						
Direction of vibration	N-S	N-S	E-W	N-S		
Sounds	NONE	NONE	NONE	NONE		
Felt by	FEW	FEW	NONE	NONE		

Name of observer

W.W. ROWLEY

Address of observer

NAVAL STATION, GUAM.

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Time used, Zone, Minus 10.

FEBRUARY, 1927.

Date of earthquake	9th.	9th.	9th.	9th.	9th.	10th.
Time of beginning	3:51:00 ^A _M	4:39:00 ^A _M	5:48:03 ^A _M	7:00:00 ^A _M	6:45:00 ^P _M	12:12:55 ^P _M
What doing	At rest				Standing	
Onset of shocks	Abrupt				Faint	
Nature of shocks	Tremble				Trembling	
Intensity	2				2	
Number of shocks	1				1	
Duration of each	10 seconds				5 seconds	
Direction of vibration	E-W	N-S	E-W	N-S	E-W	E-W
Sounds	None	None	None	None	None	None
Felt by	Many	Few	None	None	Few	None

Name of observer

W. W. Rowley.

Address of observer

Naval Station, Guam.

REMARKS

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Time used, Zone, Minus 10.

FEBRUARY, 1927.

Date of earthquake	12th.	12th.	12th.	14th.	19th.	21st.
Time of beginning	1:59:20 ^A _M	9:49:45 ^A _M	4:56:45 ^P _M	5:47:30 ^P _M	8:09:20 ^A _M	9:47:20
What doing						
Onset of shocks						
Nature of shocks						
Intensity						
Number of shocks						
Duration of each						
Direction of vibration	E-W	E-W	N-S	N-S	E-W	N-S
Sounds	None	None	None	None	None	None
Felt by	None	None	None	None	None	None

Name of observer

W. W. Rowley.

Address of observer

Naval Station, Guam.

REMARKS

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Time used, Zone, Minus 10.

FEBRUARY, 1927.

Date of earthquake	19 25th.					
Time of beginning	7:41:45 P M					
What doing						
Onset of shocks						
Nature of shocks						
Intensity						
Number of shocks						
Duration of each						
Direction of vibration	N-S					
Sounds	None					
Felt by	None					

Name of observer W. W. Rowley.

Address of observer Naval Station, Guam.

REMARKS

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Time used, Zone, Minus 10.

MARCH, 1927.

Date of earthquake	1st.	4th.	5th.	7th.	12th.	14th.
Time of beginning	5:28:50 ^A _M	6:34:00 ^A _M	8:39:00 ^A _M	7:33:15 ^A _M	10:09:15 ^P _M	5:15:00 ^P _M
What doing						
Onset of shocks						
Nature of shocks						
Intensity						
Number of shocks						
Duration of each						
Direction of vibration	E-W	E-W	E-W	N-S	N-S	N-S
Sounds	None	None	None	None	None	None
Felt by	None	None	None	None	None	None

Name of observer

W. W. Rowley.

Address of observer

Naval Station, Guam.

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Time used, Zone, Minus 10.

MARCH, 1927.

Date of earthquake	17th.	17th.	18th.	24th.	25th.	30th.
Time of beginning	5:39:20 ^A _M	9:15:10 ^A _M	12:06:00 ^A _M	12:08:10 ^A _M	17 5:23:15 ^P _M	7:56:45
What doing						
Onset of shocks						
Nature of shocks						
Intensity						
Number of shocks						
Duration of each						
Direction of vibration	E-W	E-W	E-W	E-W	N-S	N-S
Sounds	None	None	None	None	None	None
Felt by	None	None	None	None	None	None

Name of observer

W. W. Rowley.

Address of observer

Naval Station, Guam.

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Time used, Zone, Minus 10.

APRIL, 1927.

Date of earthquake	5th.	6th.	6th.	11th.	13th.	13th.
Time of beginning	9:17:30 ^A _M	8:47:30 ^A _M	5:13:00 ^P _M	10:39:10 ^P _M	2:12:20 ^A _M	2:25:15
What doing			17-13-00	22-39-10		14-25-15
Onset of shocks						
Nature of shocks						
Intensity						
Number of shocks						
Duration of each						
Direction of vibration	E-W	N-S	N-S	E-W	N-S	E-W
Sounds	None	None	None	None	None	None
Felt by	None	None	None	None	None	None

Name of observer W. W. Rowley.

Address of observer Naval Station, Guam.

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Time used, Zone, Minus 10.

APRIL, 1927.

Date of earthquake	15th.	17th.	17th.	17th.	18th.	24th.
Time of beginning	11:45:00 ^A _M	1:39:30 ^A _M	5:27:00 ^P _M	9:26:00 ^P _M	3:22:00 ^P _M	3:08:00 ^P _M
What doing			17-27-00	21-26-00	15-22-00	15-08-00 Standing
Onset of shocks						Abrupt
Nature of shocks						Tremble
Intensity						2
Number of shocks						1
Duration of each						10 seconds
Direction of vibration	E-W	N-S	E-W	N-S	E-W	N-S
Sounds	None	None	None	None	None	None
Felt by	None	None	None	None	None	Few

Name of observer W. W. Rowley.

Address of observer Naval Station, Guam.

REMARKS

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Time used, Zone, Minus 10.

May 1927.

Date of earthquake	1st.	2nd.	12th.	17th.	23rd.	26th.
Time of beginning	7:32:45 ^P _M	12:59:55 ^A _M	4:52:58 ^A _M	8:50:30 ^A _M	8:39:30 ^A _M	
What doing	19-32-45	Asleep				
Onset of shocks		Abrupt				
Nature of shocks		Twisting				
Intensity		5				
Number of shocks		4				
Duration of each		30-10-5-10 seconds				
Direction of vibration	E-W	N-S	N-S	E-W	E-W	
Sounds	None	Yes	None	None	None	
Felt by	None	Everyone	None	None	None	

Name of observer **Walter W. Rowley**

Address of observer **Agana, Guam.**

REMARKS

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Time used, Zone, Minus 10.

June 1927.

Date of earthquake	3rd.	8th.	16th.	18th.	18th.	18th.
Time of beginning	5:15:50 ^P _M	8:44:00 ^P _M	2:34:35 ^P _M	3:26:15 ^A _M	4:56:40 ^A _M	10:52:00
What doing	Sitting down	Laying down				
Onset of shocks	Abrupt	Rapid				
Nature of shocks	Bumping	Trembling				
Intensity	2	3				
Number of shocks	1	1				
Duration of each	Continued movement-30 min.	1 minute				
Direction of vibration	E-W	E-W	E-W	N-S	N-S	E-W
Sounds	None	None	None	None	None	None
Felt by	Few	Few	None	None	None	None

Name of observer Walter W. Rowley

Address of observer Agana, Guam.

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Time used, Zone, Minus 10.

June 1927.

Date of earthquake	19th.	29th.				
Time of beginning	11:59:50 ^A _M	12:08:10 ^A _M				
What doing						
Onset of shocks						
Nature of shocks						
Intensity						
Number of shocks						
Duration of each						
Direction of vibration	E-W	N-S				
Sounds	None	None				
Felt by	None	None				

Name of observer

Walter W. Rowley

Address of observer

Agana, Guam.

REMARKS

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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU (SEISMOLOGY)

Location of Seismograph — U. S. Government House, Agana, Guam, M. I.

Position of Seismograph — Latitude, North $13^{\circ} - 28' - 20.3''$ Longitude East $144^{\circ} - 44' - 55.9''$

Approximate elevation of recording drum — 15 feet above M. L. L. W.

Time used, Zone, Minus 10.

July 1927.

Date of earthquake	5th.	17th.	17th.	18th.	19th.	24th.
Time of beginning	1:15:12 ^A _M	6:49:30 ^P _M	7:15:00 ^P _M	5:23:30 ^A _M	10:09:50 ^A _M	7:34:00 ^A _M
What doing		Sitting		Standing		Laying down
Onset of shocks		Gradual		Abrupt		Gradual
Nature of shocks		Trembling		Trembling		Trembling
Intensity		3		2		2
Number of shocks		5		1		1
Duration of each		Continue movement-6minutes		50 seconds		5 seconds
Direction of vibration	N-S	E-W	E-W	N-S	E-W	E-W
Sounds	None	None	None	Yes	None	None
Felt by	None	Many	None	Many	None	Few

Name of observer **Walter W. Rowley**

Address of observer **Agana, Guam.**

REMARKS

EARTHQUAKE INTENSITIES (Adapted Rossi-Forel.)

- | | |
|--|--|
| 1. Felt only by an experienced observer, very faint. | 6. Bells rung, pendulum clocks stopped. Alarm. |
| 2. Felt by a few persons at rest, faint. | 7. Fall of plaster, slight damage. Scare. |
| 3. Direction or duration appreciable, weak. | 8. Fall of chimneys, walls cracked. Fright. |
| 4. Felt by persons walking. Doors, etc., moved. | 9. Some houses partly or wholly wrecked. Terror. |
| 5. Felt by nearly everyone. Furniture moved. | 10. Buildings ruined, ground cracked. Panic. |

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU (SEISMOLOGY)

Location of Seismograph — U. S. Government House, Agana, Guam, M. I.

Position of Seismograph — Latitude, North 13° - 28' - 20.3" Longitude East 144° - 44' - 55.9"

Approximate elevation of recording drum — 15 feet above M. L. L. W.

Time used, Zone, Minus 10.

July 1927.

Date of earthquake	27th.	27th.	27th.	27th.	31st.
Time of beginning	12:21:30 ^P _M	12:53:45 ^P _M	2:07:15 ^P _M	3:02:45 ^P _M	3:39:45 ^P _M
What doing					
Onset of shocks					
Nature of shocks					
Intensity					
Number of shocks					
Duration of each					
Direction of vibration	E-W	N-S	E-W	N-S	N-S
Sounds	None	None	None	None	None
Felt by	None	None	None	None	None

Name of observer **Walter W. Rowley**

Address of observer **Agana, Guam.**

REMARKS

EARTHQUAKE INTENSITIES (Adapted Rossi-Forel.)

- | | |
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Position of Seismograph — Latitude, North $13^{\circ} - 28' - 20.3''$ Longitude East $144^{\circ} - 44' - 55.9''$

Approximate elevation of recording drum — 15 feet above M. L. L. W.

Time used, Zone, Minus 10.

August 1927.

Date of earthquake	7th.	9th.	19th.	23rd.	23rd.	24th.
Time of beginning	7:56:30 ^P _M	9:41:00 ^P _M	4:34:00 ^A _M	2:32:50 ^P _M	9:21:50 ^P _M	12:12:30
What doing				Sitting		
Onset of shocks				Rapid		
Nature of shocks				Trembling		
Intensity				4		
Number of shocks				5		
Duration of each				30-35-15-10 and 5 sec.		
Direction of vibration	E-W	E-W	N-S	N-S	E-W	N-S
Sounds	None	None	None	Yes	None	None
Felt by	None	None	None	Many	None	None

Name of observer

Walter W. Rowley

Address of observer

Agana, Guam.

REMARKS

EARTHQUAKE INTENSITIES (Adapted Rossi-Forel.)

- | | |
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| 1. Felt only by an experienced observer, very faint. | 6. Bells rung, pendulum clocks stopped. Alarm. |
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Approximate elevation of recording drum — 15 feet above M. L. L. W.

Time used, Zone, Minus 10.

August 1927.

Date of earthquake	26th.					
Time of beginning	6:39:25	A				
	M					
What doing						
Onset of shocks						
Nature of shocks						
Intensity						
Number of shocks						
Duration of each						
Direction of vibration	E-W					
Sounds	None					
Felt by	None					

Name of observer **Walter W. Rowley**

Address of observer **Agana, Guam.**

REMARKS

EARTHQUAKE INTENSITIES (Adapted Rossi-Forel.)

- | | |
|--|--|
| 1. Felt only by an experienced observer, very faint. | 6. Bells rung, pendulum clocks stopped. Alarm. |
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Approximate elevation of recording drum — 15 feet above M. L. L. W.

Time used, Zone, Minus 10.

September 1927.

Date of earthquake	2nd.	12th.	25th.	25th.		
Time of beginning	8:57:20 ^A _M	8:47:00 ^A _M	9:21:50 ^A _M	1:50:45 ^P _M		
What doing	Standing					
Onset of shocks	Abrupt					
Nature of shocks	Trembling					
Intensity	2					
Number of shocks	1					
Duration of each	1 minute					
Direction of vibration	E-W	E-W	E-W	E-W		
Sounds	None	None	None	None		
Felt by	Many	None	None	None		

Name of observer

Walter W. Rowley

Address of observer

Agana, Guam.

REMARKS

EARTHQUAKE INTENSITIES (Adapted Rossi-Forel.)

- | | |
|--|--|
| 1. Felt only by an experienced observer, very faint. | 6. Bells rung, pendulum clocks stopped. Alarm. |
| 2. Felt by a few persons at rest, faint. | 7. Fall of plaster, slight damage. Scare. |
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U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU (SEISMOLOGY)

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Position of Seismograph — Latitude, North $13^{\circ} - 28' - 20.3''$ Longitude East $144^{\circ} - 44' - 55.9''$

Approximate elevation of recording drum — 15 feet above M. L. L. W.

Time used, Zone, Minus 10.

October 1927.

Date of earthquake	10th.	¹³ 12th.	¹³ 12th.	13th.	17th.	26th.
Time of beginning	11:43:45 ^A _M	⁰⁰ 12:07:35 ^P _M	⁰⁰ 12:57:35 ^P _M	1:33:00 ^A _M	¹⁴ 2:37:45 ^P _M	8:39:10 ^P _M
What doing						Sitting
Onset of shocks						Rapid
Nature of shocks						Trembling
Intensity						3
Number of shocks						1
Duration of each						1 minute
Direction of vibration	E-W	N-S	E-W	E-W	E-W	N-S
Sounds	None	None	None	None	None	None
Felt by	None	None	None	None	None	Many

Name of observer **Walter W. Rowley**

Address of observer **Agana, Guam.**

REMARKS

EARTHQUAKE INTENSITIES (Adapted Rossi-Forel.)

- | | |
|--|--|
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Approximate elevation of recording drum — 15 feet above M. L. L. W.

Time used, Zone, Minus 10.

October 1927.

Date of earthquake	28th.	29th.				
Time of beginning	9:38:50 ^A _M	12:46:00 ^P _M				
What doing		00				
Onset of shocks						
Nature of shocks						
Intensity						
Number of shocks						
Duration of each						
Direction of vibration	E-W	E-W				
Sounds	None	None				
Felt by	None	None				

Name of observer **Walter W. Rowley**

Address of observer **Agana, Guam.**

REMARKS

EARTHQUAKE INTENSITIES (Adapted Rossi-Forel.)

- | | |
|--|--|
| 1. Felt only by an experienced observer, very faint. | 6. Bells rung, pendulum clocks stopped. Alarm. |
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Time used, Zone, Minus 10.

November 1927.

Date of earthquake	10th.	13th.	13th.	17th.		
Time of beginning	7:05:30 M	10:51:45 M	10:30:10 M	7:13:30 M		
What doing	Leaning		Laying			
Onset of shocks	Gradual		Abrupt			
Nature of shocks	Trembling		Bumping			
Intensity	2		2			
Number of shocks	1		1			
Duration of each	30 seconds		15 seconds			
Direction of vibration	E-W	E-W	N-S	E-W		
Sounds	None	None	None	None		
Felt by	Many	None	Few	None		

Name of observer

Walter W. Rowley

Address of observer

Agana, Guam.

REMARKS

EARTHQUAKE INTENSITIES (Adapted Rossi-Forel.)

- | | |
|--|--|
| 1. Felt only by an experienced observer, very faint. | 6. Bells rung, pendulum clocks stopped. Alarm. |
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Time used, Zone, Minus 10.

NOVEMBER 1927.

Date of earthquake	23RD.	23RD.	26TH.			
Time of beginning	2:24:30 ^A _M	6:10:40 ^A _M	12:57:40 ^A _M			
What doing						
Onset of shocks						
Nature of shocks						
Intensity						
Number of shocks						
Duration of each						
Direction of vibration	E-W	E-W	N-S			
Sounds	NONE	NONE	NONE			
Felt by	NONE	NONE	NONE			

Name of observer W.W. ROWLEY

Address of observer NAVAL STATION, GUAM.

REMARKS

EARTHQUAKE INTENSITIES (Adapted Rossi-Forel.)

- | | |
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| 1. Felt only by an experienced observer, very faint. | 6. Bells rung, pendulum clocks stopped. Alarm. |
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Time used, Zone, Minus 10.

DECEMBER 1927.

Date of earthquake	2ND.	10TH.	19TH.	19TH.	19TH.	19TH.
Time of beginning	6:10:30 ^P _M	2:00:00 ^A _M	6:32:50 ^A _M	6:42:40 ^A _M	6:51:35 ^A _M	8:40:30 ^P _M
What doing	18		SITTING DOWN	SITTING DOWN	SITTING DOWN	
Onset of shocks			ABRUPT	ABRUPT	RAPID	
Nature of shocks			TREMBLING	TREMBLING	BUMPING	
Intensity			2	2	3	
Number of shocks			1	1	2	
Duration of each			15 SECONDS	20 SEC.	15-10 SEC.	
Direction of vibration	N-S	N-S	E-W	E-W	N-S	E-W
Sounds	NONE	NONE	NONE	NONE	NONE	NONE
Felt by	NONE	NONE	MANY	MANY	MANY	NONE

Name of observer W.W. ROWLEY

Address of observer NAVAL STATION, GUAM.

REMARKS

EARTHQUAKE INTENSITIES (Adapted Rossi-Forel.)

- | | |
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Time used, Zone, Minus 10.

DECEMBER 1927.

Date of earthquake	21ST.	23RD.	25TH.	26TH.	27TH.	27TH.
Time of beginning	10:09:15 ^A _M	2:17:10 ^A _M	1:16:05 ^P _M	4:21:35 ^P _M	5:01:50 ^A _M	5:02:45 ^A _M
What doing		LYING DOWN	13	16		LYING DOWN
Onset of shocks		RAPID				GRADUAL
Nature of shocks		TREMBLING				BUMPING
Intensity		3				2
Number of shocks		1				1
Duration of each		20 SECONDS				10 SECONDS
Direction of vibration	E-W	N-S	N-S	N-S	N-S	E-W
Sounds	NONE	NONE	NONE	NONE	NONE	NONE
Felt by	NONE	MANY	NONE	NONE	NONE	FEW

Name of observer W.W. ROWLEY

Address of observer NAVAL STATION, GUAM.

REMARKS

EARTHQUAKE INTENSITIES (Adapted Rossi-Forel.)

- | | |
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Time used, Zone, Minus 10.

DECEMBER 1927.

Date of earthquake	28TH.	28TH.				
Time of beginning	4 :53:15 ^P _M 16	8 :13:10 ^P _M 18				
What doing						
Onset of shocks						
Nature of shocks						
Intensity						
Number of shocks						
Duration of each						
Direction of vibration	E-W	N-S				
Sounds	NONE	NONE				
Felt by	NONE	NONE				

Name of observer W.W. ROWLEY

Address of observer NAVAL STATION, GUAM.

REMARKS

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