



Nº. Geophysics Library « JMS. »
1-14 BOLETIN DE LA ESTACION SISMOLÓGICA
 DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitud W. Greenwich 68° 9' 10"
 Latitud S. 16° 29' 43"
 Altura sobre el mar 3.700 m.

Mes de **ENERO 1914**

| Nº | Dia | Carac. sism. | Hacia. sism. | Carácter | Fase | HORAS | Período | Amplitud en milímetros | | Distancia | NOTAS |
|----|-----|--------------|--------------|-----------------|------|-----------|---------|------------------------|------|---------------------|---|
| | | | | | | | | Am. | Per. | | |
| 1 | 1 | | | I _v | L | 8 32 30 | 8 | 17 | | | INSTRUMENTOS BIPILAR N.S. Masa 2000 gr. T 98 A 300 Fil 3 Bifilar E.W. Masa 450 gr. T 15" A 85 Fil 4,5 Vertical N.S. y E.W. Masa 1500 gr. T 25" A 1100 |
| 2 | 2 | | | I _v | P | 16 44 47 | 18 | 17 | | | |
| 3 | 3 | | | II _v | P | 9 4 30 | 9 | 8 | 1270 | | |
| | | | | | S | 6 35 9 | 9 | 8 | | | |
| | | | | | I | 8 1 | | | | | |
| | | | | | II | 11 12 300 | | | | | |
| | | | | | C | 10 53 10 | 10 | 130 | | | |
| | | | | | P | 10 30 | | | | | |
| 4 | 3 | | | I _v | S | 18 25 45 | 6 | 12 | 980 | | |
| | | | | | S | 27 31 | 6 | 12 | | | |
| | | | | | L | 29 3 | | | | | |
| | | | | | M | 29 37 | 6 | 11 | | | |
| | | | | | M | 31 27 | 6 | 68 | | | |
| | | | | | M | 31 12 | 6 | 67 | | | |
| | | | | | C | 33 13 | 6 | 31 | | | |
| | | | | | P | 19 38 | | | | | |
| | | | | | P | 4 59 33 | | | | | |
| 5 | 8 | | | I _v | P | 8 1 31 | | | | | |
| | | | | | M | 8 27 | | 35 | | | |
| | | | | | M | 12 - | | | | | |
| 6 | 8 | | | I | S | 18 9 41 | 6 | 8 | 880 | | |
| | | | | | S | 11 17 | | | | | |
| | | | | | S | 11 55 | | | | | |
| | | | | | S | 12 4 | 6 | 8 | | | |
| | | | | | S | 12 23 | 6 | 8 | | | |
| | | | | | S | 16 - | | | | | |
| 7 | 6 | | | I | L | 10 52 29 | | | | | |
| | | | | | L | 54 51 | | | | | |
| | | | | | L | 55 38 | | 14 | | | |
| | | | | | L | 11 3 - | | | | | |
| 8 | 7 | | | I | S | 9 28 24 | | | | | |
| | | | | | S | 26 8 | | | | | |
| | | | | | S | 26 25 | | 27 | | | |
| | | | | | S | 32 - | | | | | |
| 9 | 8 | | | I _v | S | 4 59 53 | | | | | |
| | | | | | S | 8 50 | | | | | |
| | | | | | S | 16 57 | | | | | |
| | | | | | S | 20 36 | 9 | 3 | | | |
| | | | | | S | 40 - | | | | | |
| 10 | 9 | | | I _v | P | 14 40 33 | | | | | |
| | | | | | P | 41 35 | | | | | |
| | | | | | P | 52 21 | | | | | |
| | | | | | P | 54 57 | | | | | |
| | | | | | P | 15 30 - | | | | | |
| 11 | 9 | | | | P | 16 8 9 | | | 430 | | |
| | | | | | P | 8 48 | | | | | |
| | | | | | P | 9 6 - | | | | | |
| | | | | | P | 10 - | | | | | |
| 12 | 11 | | | | P | 1 36 40 | | | | | |
| | | | | | P | 20 - | | | | | |
| 13 | 11 | | | | P | 2 53 49 | | | | | |
| | | | | | P | 3 30 - | | | | | |
| 14 | 12 | | | | P | 6 41 9 | | | 2070 | Sentido en LIMA | |
| | | | | | P | 44 28 | | | | como VI R.F. | |
| | | | | | P | 48 34 | | | | (Direct. "Unanus".) | |
| | | | | | P | 43 45 | | | | | |
| | | | | | P | 44 1 | | | | | |
| | | | | | P | 44 29 | | | | | |
| | | | | | P | 57 - | | | | | |

P.M. Descotes

Nº. **15-29** « JMS. »
BOLETIN DE LA ESTACION SISMOLÓGICA
 DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitud W. Greenwich 68° 9' 10"
 Latitud S. 16° 29' 43"
 Altura sobre el mar 3.700 m.

Mes de **ENERO 1914**

| Nº | Dia | Carac. sism. | Hacia. sism. | Carácter | Fase | HORAS | Período | Amplitud en milímetros | | Distancia | NOTAS |
|----|-----|--------------|--------------|----------------|------|------------|---------|------------------------|------|-----------|--------------------|
| | | | | | | | | Am. | Per. | | |
| 15 | 12 | | | I _v | P | 9 47 19 | 3 | 3 | | | |
| | | | | | P | 48 37 | | | | | |
| | | | | | P | 10 30 - | | | | | |
| 16 | 12 | | | | P | 23 54 4 | | | | | |
| | | | | | P | 1 | | | | | |
| 17 | 13 | | | I | P | 11 20 11 | | | | | |
| | | | | | P | 26 - | | | | | |
| 18 | 14 | | | | P | 15 55 50 | | | 2280 | | |
| | | | | | I | 35 39 | | | | | |
| | | | | | E | 37 17 | | | | | |
| | | | | | L | 42 36 | | | | | |
| | | | | | P | 47 8 | 11 | 12 | | | |
| | | | | | P | 16 15 - | | | | | |
| 19 | 15 | | | | P | 8 27 7 | | | | | |
| | | | | | P | 7 | | | | | |
| 20 | 17 | | | | P | 11 28 56 | | | | | |
| | | | | | P | 15 00 | | | | | |
| 21 | 18 | | | | P | 3 13 27 | | | 310 | | |
| | | | | | S | 14 12 | | | | | |
| | | | | | M | 14 19 | | | 38 | | |
| | | | | | P | 20 - | | | | | |
| 22 | 18 | | | | P | 11 2 35 11 | | | | | De difícil inter- |
| | | | | | S | 42 35 | | | | | pretacion por cau- |
| | | | | | L | 55 20 | | | | | sa de las barcas- |
| | | | | | P | 7 | | | | | nes. |
| 23 | 20 | | | | P | 12 22 1 | | | | | |
| | | | | | S | 38 57 | | | | | |
| | | | | | P | 11 40 - | | | | | |
| 24 | 20 | | | | S | 22 52 4 | | | 670 | | |
| | | | | | S | 38 17 | | | | | |
| | | | | | S | 33 25 | | | 10 | | |
| | | | | | L | 33 51 | | | | | |
| | | | | | M | 33 59 | 2 | 4 | | | |
| | | | | | P | 22 40 - | | | | | |
| 25 | 22 | | | | P | 11 18 50 | | | | | |
| | | | | | L | 28 48 | | | | | |
| | | | | | M | 30 13 | 17 | 12 | | | |
| | | | | | M | 31 55 18 | | | 8 | | |
| | | | | | P | 12 50 - | | | | | |
| | | | | | P | 17 16 16 | | | | | |
| 26 | 22 | | | | P | 8 4 - | | | | | |
| | | | | | P | 84 - | | | | | |
| 27 | 22 | | | | P | 6 40 47 | | | 900 | | |
| | | | | | S | 42 25 | | | | | |
| | | | | | L | 43 6 | | | | | |
| | | | | | H | 43 16 | 7 | 5 | | | |
| | | | | | P | 50 - | | | | | |
| 28 | 22 | | | | P | 7 14 3 | | | 940 | | |
| | | | | | S | 16 15 | | | | | |
| | | | | | P | 23 - | | | | | |
| 29 | 27 | | | | P | 1 10 18 | | | | | |
| | | | | | P | 21 - | | | | | |

J.M. Descotes

Nº 30, 31, 32

< JHS. >

BOLETIN DE LA ESTACION SISMOLÓGICA

DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitud W. Greenwich 68° 9' 10"
 Latitud S. 16° 29' 43"
 Altura sobre el mar 3.700 m.

Mes de Enero 1914

| Nº | Día | Grupo | Hora | Carácter | Fase | HORAS | Período | Amplitud máxima | | Distancia | NOTAS | |
|-------|-----|-------|------|----------|------|----------|---------|-----------------|-----|-----------|------------------|----------------------|
| | | | | | | | | Ar. | Ar. | | | |
| 30 | 30 | | | III | F | 3 40 24 | 6 | 19 | | 2080 | Cur de Santiago. | |
| | | | | | | 40 26 | | | | | | |
| | | | | | | 4 39 | 7 | 77 | | | | Sortido como muy |
| | | | | | | 41 14 | 7 | 84 | | | | violento en San- |
| | | | | | | 43 54 | 6-11 | 48-84 | | | | tiago, Valparaíso, |
| | | | | | | 44 7 | 12 | 355 | | | | Concepción, Mendoza, |
| | | | | | | 46 7 | | | | | | con víctimas en |
| | | | | | | 47 16 | 12-14 | 425-809 | | | | TALCA. |
| | | | | | | 47 55 | 15 | 580 | | | | |
| | | | | | | 48 8 | 12-14 | 485-803 | | | | |
| | | | | | | 48 23 | 12 | 528 | | | | |
| | | | | | | 48 32 | 14 | 850 | | | | |
| | | | | | | 49 16 | 14 | 398 | | | | |
| | | | | | | 50 19 | 10 | 283 | | | | |
| | | | | | | 51 23 | 11 | 261 | | | | |
| | | | | | | 53 8 | 9 | 130 | | | | |
| | | | | | | 56 10 | 8 | 122 | | | | |
| | | | | | | 56 30 | 12 | 109 | | | | |
| | | | | | | 57 12 | 10 | 95 | | | | |
| | | | | | | 57 36 | 11 | 80 | | | | |
| | | | | | | 5 84 | 12 | 73 | | | | |
| | | | | | | 7 26 | 7-8 | 50 | | | | |
| | | | | | | 12 31 | 8 | 47 | | | | |
| 17 36 | 12 | 43 | | | | | | | | | | |
| 28 55 | 12 | 39 | | | | | | | | | | |
| 40 36 | 12 | 32 | | | | | | | | | | |
| | | 7 Ca. | | | | | | | | | | |
| 31 | 31 | | | II | F | 7 39 56 | | | | 2070 | Réplica del an- | |
| | | | | | | 40 1 | | | | | | terior. |
| | | | | | | 40 20 | 4-5 | 14 | | | | |
| | | | | | | 43 26 | | | | | | |
| | | | | | | 43 56 | 8 | 13 | | | | |
| | | | | | | 48 41 | | | | | | |
| | | | | | | 47 20 | 12 | 36 | | | | |
| | | | | | | 47 53 | 15 | 83 | | | | |
| | | | | | | 48 29 | 14-17 | 80-96 | | | | |
| | | | | | | 49 14 | 12 | 30 | | | | |
| | | | | | | 50 53 | 12 | 23 | | | | |
| | | | | | | 52 16 | 12 | 12 | | | | |
| | | | | | | 58 10 | 8 | 1 | | | | |
| | | 9 Ca. | | | | | | | | | | |
| 32 | 30 | | | I | F | 11 18 30 | | | | | | |
| | | | | | | 24 - | | | | | | |

J.M. Desideri

Nº 33-40

< JHS. >

BOLETIN DE LA ESTACION SISMOLÓGICA

DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitud W. Greenwich 68° 9' 10"
 Latitud S. 16° 29' 43"
 Altura sobre el mar 3.700 m.

Mes de FEBRERO 1914

| Nº | Día | Grupo | Hora | Carácter | Fase | HORAS | Período | Amplitud máxima | | Distancia | NOTAS |
|----|-----|-------|------|----------|------|----------|---------|-----------------|-----|-----------|--|
| | | | | | | | | Ar. | Ar. | | |
| 33 | 1 | | | | P | 11 52 42 | | | | | INSTRUMENTOS |
| 34 | 1 | | | | Pi | 21 47 9 | | | | 290 | Bifilar N.S. - Lasa 300 A |
| | | | | | | 47 41 | | | | | |
| 35 | 3 | | | | L | 40 39 | | | | 10 | 3,5 |
| | | | | | | 49 22 | | | | | |
| 36 | 5 | | | | M | 59 - | | | | 16mm | Bifilar E.W. Lasa 450 R. T 15 s A 85 Z:1 4,5 |
| | | | | | | 12 9 51 | | | | | |
| 37 | 6 | | | | Pe | 11 - | | | | 420 | v Vertical N.S y E.W. Lasa 1500 R. T 2,4 A 1100 |
| | | | | | | 18 42 36 | | | | | |
| 38 | 7 | | | | F | 54 - | | | | 14 | 5,5 |
| | | | | | | 24 36 53 | | | | | |
| 39 | 8 | | | | Pe | 36 46 | | | | 1400 | Probablemente el que se sintió en CORDOBA (Argentina) como muy violento, si bien su distan- cia (1700 Kms) es mayor que la dada por el gráfico. |
| | | | | | | 37 19 | | | | | |
| 40 | 8 | | | | L | 38 33 | | | | 128 | 95 |
| | | | | | | 45 - | | | | | |
| 41 | 10 | | | | F | 23 2 23 | | | | 66 | 66 |
| | | | | | | 2 29 | | | | | |
| 42 | 10 | | | | L | 15 2 | | | | 4200 | 13 |
| | | | | | | 17 20 | | | | | |
| 43 | 10 | | | | F | 24 Ca. | | | | 13 | 13 |
| | | | | | | 5 8 48 | | | | | |
| 44 | 13 | | | | F | 50 - | | | | 60mm | 620 |
| | | | | | | 19 17 52 | | | | | |
| 45 | 14 | | | | F | 41 - | | | | 20mm | 5 |
| | | | | | | 11 14 25 | | | | | |
| 46 | 15 | | | | L | 16 4 | | | | 9 | 5 |
| | | | | | | 16 2 | | | | | |
| 47 | 15 | | | | L | 16 52 | | | | 15 | 15 |
| | | | | | | 17 40 | | | | | |
| 48 | 15 | | | | M | 18 22 | | | | 13 | 13 |
| | | | | | | 10 40 | | | | | |
| 49 | 15 | | | | M | 19 54 | | | | 60mm | 620 |
| | | | | | | 12 35 - | | | | | |
| 50 | 15 | | | | F | 18 38 19 | | | | 13 | 13 |
| | | | | | | 34 17 | | | | | |
| 51 | 15 | | | | L | 39 22 | | | | 60mm | 620 |
| | | | | | | 43 14 18 | | | | | |
| 52 | 15 | | | | F | 17 51 - | | | | 13 | 13 |
| | | | | | | 42 32 | | | | | |
| 53 | 15 | | | | M | 42 57 | | | | 60mm | 620 |
| | | | | | | 56 - | | | | | |
| 54 | 15 | | | | F | 56 - | | | | 20mm | 5 |
| | | | | | | 11 10 11 | | | | | |
| 55 | 15 | | | | S | 11 26 | | | | 20mm | 5 |
| | | | | | | 11 43 | | | | | |
| 56 | 15 | | | | F | 16 - | | | | 20mm | 5 |
| | | | | | | 1 29 57 | | | | | |
| 57 | 15 | | | | L | 39 39 | | | | 20mm | 5 |
| | | | | | | 42 12 | | | | | |
| 58 | 15 | | | | F | 2 15 - | | | | 20mm | 5 |
| | | | | | | 2 15 - | | | | | |

Comunica F. Robredo S. J. que se sintieron 3 temblores a 10^h 23^m (Hora de Greenw.) de poca importancia y bastante ruido. LIMA.

Comunica F. Robredo Habrse sentido en LIMA un temblor algo fuerte a las 9^h 45 (H Greenw.)

Nº 47-59

4 JHO. 19

BOLETIN DE LA ESTACION SISMOLÓGICA

DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitud W. Greenwich 68° 9' 10"
 Latitud S. 16° 29' 43"
 Altura sobre el mar 3.700 m.

Mes de Febrero 1914

| Nº | Dia | Comp. sism. | Intensidad | Carácter | Fase | Horas | | Período | | Distancia | NOTAS |
|----|-----|-------------|------------|----------|----------------|-------|-------|---------|------|-----------|-------|
| | | | | | | H. | M. | As. | As. | | |
| 47 | 16 | | | | P | 12 | 9 31 | | | | |
| | | | | | F | | 16 - | | | | |
| 48 | 17 | | | | P | 12 | 4 +3 | | | | |
| | | | | | F | | 8 - | | | | |
| 49 | 18 | | | | P | 23 | 39 5 | | | | |
| | | | | | F | | 45 - | | | | |
| 50 | 19 | | | | P | 7 | 19 | | | | |
| | | | | | F | | 16 - | | | | |
| 51 | 22 | | | | P | 9 | 47 14 | | | | |
| | | | | | F | | 58 - | | | | |
| 52 | 22 | | | | P | 11 | 24 28 | | | | |
| | | | | | F | | 36 - | | | | |
| 53 | 22 | | | | P | 14 | 48 58 | | | | |
| | | | | | F | | 57 - | | | | |
| 54 | 24 | | | | P ₁ | 21 | 36 56 | 2 | 12,8 | 11 | 2280 |
| | | | | | S ₁ | | 40 42 | 4 | 70 | | |
| | | | | | L | | 42 48 | | | | |
| | | | | | M ₁ | | 43 27 | 6 | 74 | | |
| | | | | | M ₂ | | 43 37 | 4 | 75 | | |
| | | | | | M ₃ | | 43 51 | 6 | 74 | 73 | |
| | | | | | M ₄ | | 44 35 | 4 | 60 | | |
| | | | | | M ₅ | | 45 13 | 6 | 54 | | |
| | | | | | M ₆ | | 45 51 | 8 | 45 | | |
| | | | | | M ₇ | | 48 53 | 7 | 40 | | |
| | | | | | C ₁ | | 50 4 | 20 | | | |
| | | | | | C ₂ | | 51 39 | 7 | 15 | | |
| | | | | | C ₃ | | 23 25 | | | | |
| 55 | 25 | | | | P | 1 | 9 28 | | | | |
| | | | | | L | | 10 56 | | | | |
| | | | | | H | | 11 28 | 10 | | 3 | |
| | | | | | P | | 25 - | | | | |
| 56 | 25 | | Vert. | | P | 7 | 41 50 | | | 1820 | |
| | | | | | S ₁ | | 41 50 | 17 | | | |
| | | | | | L | | 44 57 | | | | |
| | | | | | M | | 47 48 | | | | |
| | | | | | M | | 48 4 | 11 | | 4,5 | |
| | | | | | P | | 0 10 | | | | |
| 57 | 25 | | | | P | 12 | 51 24 | | | | |
| | | | | | S | | 55 13 | | | | |
| | | | | | P | 13 | 40 - | | | | |
| 58 | 25 | | Vert. | | P | 20 | 44 10 | | | | |
| | | | | | M | | 44 32 | | | | |
| | | | | | P | | 57 - | | | | |
| 59 | 26 | | | | P | 4 | 59 8 | 2 | 15 | 410 | |
| | | | | | M | | 59 23 | 2 | 370 | | |
| | | | | | M | | 59 30 | 2 | 580 | | |
| | | | | | M | | 59 53 | 4 | 1085 | | |
| | | | | | L | | 0 35 | | | | |
| | | | | | M | | 0 51 | 10 | 892 | | |
| | | | | | M | | 1 26 | 12 | 612 | | |
| | | | | | M | | 2 32 | 11 | 418 | | |
| | | | | | M | | 3 48 | 11 | 316 | | |
| | | | | | M | | 4 12 | 7 | 236 | | |
| | | | | | M | | 7 47 | 8 | 70 | | |
| | | | | | M | | 13 41 | -3 | 65 | | |
| | | | | | M | | 7 15 | | | | |

Salió el estileto del Bifilar N.S. con una amplitud de 200^m/m.

Nº 60-75

4 JHO. 19

BOLETIN DE LA ESTACION SISMOLÓGICA

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 Altura sobre el mar 3.700 m.

Mes de FEBRERO 1914

| Nº | Dia | Comp. sism. | Intensidad | Carácter | Fase | Horas | | Período | | Distancia | NOTAS |
|----|-----|-------------|------------|----------|----------------|-------|----------|---------|-----|------------------|------------|
| | | | | | | H. | M. | As. | As. | | |
| 60 | 27 | | | | P ₁ | 3 | 47 6 | | | | |
| | | | | | L | | 57 40 | | | | |
| | | | | | M | | 4 4 22 | 15 | | 3 | |
| | | | | | F | | 20 - | | | | |
| 61 | 28 | | | | P | 1 | 34 15 | | | | |
| | | | | | M | | 38 3 | 10 | | 4 | |
| | | | | | E | | 2 5 - | | | | |
| 62 | 28 | | | | P ₀ | 5 | 11 38 | | | 6950 | |
| | | | | | i | | 1 38 | | | | |
| | | | | | S ₁ | | 1 56 | | | | |
| | | | | | L | | 25 24 | | | 10 | |
| | | | | | M ₁ | | 28 7 | | | 14 | |
| | | | | | M ₂ | | 29 42 | 18 | | | |
| | | | | | F | | 6 25 - | | | | |
| 63 | 28 | | | | e | | 13 35 45 | | | | |
| | | | | | F | | 56 - | | | | |
| | | | | | | | | | | | MARZO 1914 |
| 64 | 1 | | | | P ₁ | 8 | 32 9 | | | 1100 | |
| | | | | | S ₁ | | 51 8 | | | | |
| | | | | | L | | 35 23 | | | | |
| | | | | | M | | 36 25 | 11 | | 5 | |
| | | | | | F | | 58 - | | | | |
| 65 | 1 | | | | e | 16 | 53 17 | | | | |
| | | | | | F | | 17 13 - | | | | |
| 66 | 2 | | | | OL | 8 | 08 3 | | | | |
| | | | | | F | | - | | | | |
| 67 | 3 | | | | e | 2 | 15 40 | | | | |
| | | | | | F | | 27 - | | | | |
| 68 | 4 | | | | P ₀ | 16 | 9 30 | | | | |
| | | | | | L | | 20 54 | | | | |
| | | | | | M | | 23 24 | 23 | | 7 | |
| | | | | | F | | 17 50 - | | | | |
| 69 | 6 | | | | P ₀ | 21 | 5 22 | | | | |
| | | | | | L | | 6 54 | | | | |
| | | | | | M ₁ | | 11 48 | 22 | | 6 | |
| | | | | | M ₂ | | 13 32 | 20 | | 8 | |
| | | | | | F | | 23 Ca. | | | | |
| 70 | 7 | | | | P ₁ | 4 | 30 18 | | | 390 | |
| | | | | | S ₁ | | 31 1 | | | | |
| | | | | | L | | 31 34 | | | | |
| | | | | | M ₁ | | 31 42 | | | 22 ^{mm} | |
| | | | | | M ₂ | | 32 00 | | | 15 ^{mm} | |
| | | | | | F | | 53 - | | | | |
| 71 | 7 | | | | P ₀ | 15 | 56 6 | | | | |
| | | | | | F | | 13 12 - | | | | |
| 72 | 8 | | | | e | 18 | 21 45 | | | | |
| | | | | | F | | 35 - | | | | |
| 73 | 11 | | | | F | | 21 14 15 | | | | |
| | | | | | F | | 23 - | | | | |
| 74 | 13 | | | | P ₀ | 3 | 50 34 | | | | |
| | | | | | S ₀ | | 57 40 | 9 | | 9 | |
| | | | | | L | | 58 16 | | | 20 ^{mm} | |
| | | | | | L | | 4 2 25 | | | | |
| | | | | | M | | 5 31 | 12 | | 10 | |
| | | | | | F | | 47 - | | | | |
| 75 | 13 | | | | F | 15 | 9 0 | | | | |
| | | | | | M | | 12 44 | | | 7 ^{mm} | |
| | | | | | F | | 17 - | | | | |

76-89

MARZO 1914

| Nº | Dia | Compensado | Instrum. usado | Carácter | Fases | HORAS | Período | Amplitud recorrida | | Distancia | NOTAS |
|----|-----|------------|----------------|----------|----------------|----------|---------|--------------------|-----|-----------|-------|
| | | | | | | | | Am. | As. | | |
| 76 | 13 | | Vert. | | P ₀ | 15 36 16 | 18 | 2 ^{mm} | 8 | 4330 | |
| | | | | | i | 35 18 | | | | | |
| | | | | | S | 41 22 | | | | | |
| | | | | | L | 44 40 | | | | | |
| 77 | 14 | | Vert. | | M | 16 15 - | | | | | |
| | | | | | F | 0 11 4 | | | | | |
| | | | | | e | 19 - | | | | | |
| | | | | | F | 20 19 56 | | | | | |
| 78 | 14 | | Vert. | | P ₀ | 20 19 56 | | 20 ^{mm} | | | |
| | | | | | i | 20 14 | | | | | |
| | | | | | S? | 34 - | | | | | |
| | | | | | L | 21 10 00 | | | | | |
| 79 | 15 | | Vert. | | M ₁ | 13 57 | 20 | 4 ^{mm} | 7 | | |
| | | | | | M ₂ | 19 30 | | | | | |
| | | | | | F | 22 10 - | | | | | |
| | | | | | F | 0 19 13 | | | | | |
| 80 | 16 | | Vert. | | i | 23 39 | | 3 ^{mm} | | | |
| | | | | | F | 30 - | | | | | |
| | | | | | F | 8 26 35 | | | | | |
| | | | | | S? | 29 50 | | | | | |
| 81 | 16 | | Vert. | | L? | 31 37 | 7 | | 4 | | |
| | | | | | M | 33 2 | | | | | |
| | | | | | F | ? ? | | | | | |
| | | | | | P ₁ | 8 51 57 | | | | | |
| 82 | 16 | | Vert. | | L | 9 2 25 | 7 | | 6 | | |
| | | | | | M ₁ | 6 8 | | | | | |
| | | | | | M ₂ | 7 37 | | | | | |
| | | | | | F | 49 - | | | | | |
| 83 | 17 | | Vert. | | e | 20 17 34 | | | | | |
| | | | | | F | 25 - | | | | | |
| | | | | | Y _e | 18 20 17 | | | | | |
| | | | | | S? | 22 10 | | | | | |
| 84 | 18 | | Vert. | | F | 27 - | | 2 ^{mm} | | | |
| | | | | | e | 4 41 29 | | | | | |
| | | | | | F | 7 30 - | | | | | |
| | | | | | F | 14 12 31 | | | | | |
| 85 | 19 | | Vert. | | i | 48 57 | | | | | |
| | | | | | F | 50 - | | | | | |
| | | | | | C | 23 9 10 | | | | | |
| | | | | | F | 14 - | | | | | |
| 86 | 20 | | Vert. | | F | 8 25 10 | 12 | 4 | | | |
| | | | | | S? | 32 4 | | | | | |
| | | | | | L | 35 52 | | | | | |
| | | | | | M | 37 46 | | | | | |
| 88 | 21 | | Vert. | | F | 10 Ca. | | | | 3000 | |
| | | | | | P | 19 42 15 | | | | | |
| | | | | | i | 42 27 | | | | | |
| | | | | | S | 46 50 | | | | | |
| 89 | 22 | | Vert. | | L | 53 22 | 10 | | 5 | | |
| | | | | | M | 55 28 | | | | | |
| | | | | | F | 20 40 - | | | | | |
| | | | | | P | 6 52 37 | | | | | |
| 90 | 22 | | Vert. | | L | 54 7 | 6 | 93 | 43 | | |
| | | | | | M ₁ | 54 36 | | | | | |
| | | | | | M ₂ | 55 10 | | | | | |
| | | | | | C ₁ | 56 32 | | | | | |
| 91 | 22 | | Vert. | | C ₂ | 56 57 | 7 | | 18 | | |
| | | | | | F | 7 50 - | | | | | |

Nº 76-89

« Jue. »

BOLETIN DE LA ESTACION SISMOLÓGICA

DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitud W. Greenwich 68° 9' 10"
 Latitud S. 16° 29' 43"
 Altura sobre el mar 3.700 m.

Mes de MARZO 1914

| Nº | Dia | Compensado | Instrum. usado | Carácter | Fases | HORAS | Período | Amplitud recorrida | | Distancia | NOTAS |
|----|-----|------------|----------------|----------|----------------|----------|---------|--------------------|-----|-----------|-------|
| | | | | | | | | Am. | As. | | |
| 76 | 13 | | Vert. | | P ₀ | 15 35 16 | 18 | 2 ^{mm} | 8 | 4330 | |
| | | | | | i | 35 18 | | | | | |
| | | | | | S | 41 22 | | | | | |
| | | | | | L | 44 40 | | | | | |
| 77 | 14 | | Vert. | | M | 16 15 - | | | | | |
| | | | | | F | 0 11 4 | | | | | |
| | | | | | e | 19 - | | | | | |
| | | | | | F | 20 19 56 | | | | | |
| 78 | 14 | | Vert. | | P ₀ | 20 19 56 | | 20 ^{mm} | | | |
| | | | | | i | 20 14 | | | | | |
| | | | | | S? | 34 - | | | | | |
| | | | | | L | 21 10 00 | | | | | |
| 79 | 15 | | Vert. | | M ₁ | 13 57 | 20 | 4 ^{mm} | 7 | | |
| | | | | | M ₂ | 19 30 | | | | | |
| | | | | | F | 22 10 - | | | | | |
| | | | | | F | 0 19 13 | | | | | |
| 80 | 16 | | Vert. | | i | 23 39 | | 3 ^{mm} | | | |
| | | | | | F | 30 - | | | | | |
| | | | | | F | 8 26 35 | | | | | |
| | | | | | S? | 29 50 | | | | | |
| 81 | 16 | | Vert. | | L? | 31 37 | 7 | | 4 | | |
| | | | | | M | 33 2 | | | | | |
| | | | | | F | ? ? | | | | | |
| | | | | | P ₁ | 8 51 57 | | | | | |
| 82 | 16 | | Vert. | | L | 9 2 25 | 7 | | 6 | | |
| | | | | | M ₁ | 6 8 | | | | | |
| | | | | | M ₂ | 7 37 | | | | | |
| | | | | | F | 49 - | | | | | |
| 83 | 17 | | Vert. | | e | 20 17 34 | | | | | |
| | | | | | F | 25 - | | | | | |
| | | | | | Y _e | 18 20 17 | | | | | |
| | | | | | S? | 22 10 | | | | | |
| 84 | 18 | | Vert. | | F | 27 - | | 2 ^{mm} | | | |
| | | | | | e | 4 41 29 | | | | | |
| | | | | | F | 7 30 - | | | | | |
| | | | | | F | 14 12 31 | | | | | |
| 85 | 19 | | Vert. | | i | 48 57 | | | | | |
| | | | | | F | 50 - | | | | | |
| | | | | | C | 23 9 10 | | | | | |
| | | | | | F | 14 - | | | | | |
| 86 | 20 | | Vert. | | F | 8 25 10 | 12 | | 4 | | |
| | | | | | S? | 32 4 | | | | | |
| | | | | | L | 35 52 | | | | | |
| | | | | | M | 37 46 | | | | | |
| 88 | 21 | | Vert. | | F | 10 Ca. | | | | 3000 | |
| | | | | | P | 19 42 15 | | | | | |
| | | | | | i | 42 27 | | | | | |
| | | | | | S | 46 50 | | | | | |
| 89 | 22 | | Vert. | | L | 53 22 | 10 | | 5 | | |
| | | | | | M | 55 28 | | | | | |
| | | | | | F | 20 40 - | | | | | |
| | | | | | P | 6 52 37 | | | | | |
| 90 | 22 | | Vert. | | L | 54 7 | 6 | 93 | 43 | | |
| | | | | | M ₁ | 54 36 | | | | | |
| | | | | | M ₂ | 55 10 | | | | | |
| | | | | | C ₁ | 56 32 | | | | | |
| 91 | 22 | | Vert. | | C ₂ | 56 57 | 7 | | 18 | | |
| | | | | | F | 7 50 - | | | | | |

| Nº | Día | Especie | Instru-mento | Carácter | Fase | HORAS | Período | Amplitud verdadera | | Distancia | NOTAS |
|----|-----|---------|--------------|----------|----------------|----------|---------|--------------------|-----|-----------|-------|
| | | | | | | | | Am. | Am. | | |
| 90 | 24 | | | | 3 | 4 00 8 | | | | | |
| | | | | | F | 10 - | | | | | |
| 91 | 24 | | | | P | 23 10 18 | | | | | |
| | | | | | S | 11 9 | | | | | |
| | | | | | L | 11 50 | | | | | |
| | | | | | M | 12 20 | 5 | 0 | 11 | | |
| | | | | | F | 12 20 | | | 11 | | |
| | | | | | M | 12 48 | 5 | 7 | 8 | | |
| | | | | | F | 38 - | | | | | |
| 92 | 27 | | | | P | 15 59 30 | | | | 3460 | |
| | | | | | S | 16 3 44 | | | | | |
| | | | | | L | 5 - | | | | | |
| | | | | | M | 13 8 | 6 | 8 | 9 | | |
| | | | | | F | 50 - | | | | | |
| 93 | 28 | | | | P | 9 4 23 | | | | | |
| | | | | | F | 20 - | | | | | |
| 94 | 29 | | | | P | 13 54 23 | | | | | |
| | | | | | S | 55 18 | | | | | |
| | | | | | F | 14 6 - | | | | | |
| 96 | 30 | | | | P | 0 49 0 | | | | 4250 | |
| | | | | | S | 55 1 | 12-15 | | 49 | | |
| | | | | | L | 58 34 | 12 70 | | 58 | | |
| | | | | | M | 1 0 58 | | | | | |
| | | | | | N ₁ | 2 8 | 27 | | 224 | | |
| | | | | | N ₂ | 4 43 | 14 | 127 | 114 | | |
| | | | | | N ₃ | 6 30 | 15 | 175 | 86 | | |
| | | | | | N ₄ | 7 42 | 15 | 84 | 75 | | |
| | | | | | N ₅ | 12 13 | 13 | 95 | | | |
| | | | | | N ₆ | 17 25 | 15 | 75 | 63 | | |
| | | | | | N ₇ | 20 15 | 13 | 56 | 39 | | |
| | | | | | N ₈ | 23 32 | 12 | 55 | 30 | | |
| | | | | | C ₁ | 27 46 | 11 | 38 | 28 | | |
| | | | | | C ₂ | 30 32 | 12 | 23 | 20 | | |
| | | | | | C ₃ | 33 0 | 13 | 35 | 22 | | |
| | | | | | C ₄ | 34 - | 12 | 20 | | | |
| | | | | | F | 2 30 - | | | | | |
| 96 | 31 | | | | P | 22 29 34 | | | | | |
| | | | | | S | 33 44 | | | | | |
| | | | | | L | 37 37 | 9 | | 15 | | |
| | | | | | M | 37 - | | | | | |
| | | | | | F | 37 - | | | | | |

Sentido en LIMA
Grado III F.M.
(Pr. Robledo)

Vert. 7mm

P.M. Discotes 4/

MAY 7 - 1914

DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitude W. Greenwich 69° 4' 30"
Latitude S. 14° 29' 45"
Altura sobre el mar 2,700 m.
Mes de **ABRIL 1914**
Instrumentos: Péndulos horizontales: Bifilar NS (masa 2,000 kgs.), Bifilar EW (masa 450 kgs.)
Péndulo: Vertical San Calixto NS y EW (masa 1,500 kgs.)

| Nº | Día | Fase | HORA Hora de Greenwich | Período | | Amplitud verdadera | | Distancia Kms. | NOTAS |
|-----|-----|----------------|---------------------------|---------|----|--------------------|----|-------------------|---|
| | | | | NS | EW | Am | Am | | |
| 97 | 4 | P | 7 42 46 | 15 | | 5 | | | CONSTANTES DEL MES A T. 4:1 1/2 |
| | | i | 43 00 | | | | | | |
| | | F | 54 - | | | | | | |
| 98 | 5 | P | 4 42 47 | | | | | 600 | |
| | | i | 43 02 | | | | | | |
| | | L | 43 57 | | | | | | |
| | | F | 12 Ca | | | | | | |
| 99 | 7 | P | 9 30 07 | | | | | | |
| | | F | 45 - | | | | | | |
| 100 | 8 | P | 3 26 47 | | | | | | bombas focal Vertical = 67mm |
| | | i | 27 | | | | | | |
| 101 | 8 | P | 7 20 03 | | | | | | |
| | | M | 20 27 | 2 | | | 4 | | |
| | | F | 27 | | | | | | |
| 102 | 9 | P | 9 38 09 | | | | | | suby. 2.14m. |
| | | F | 10 20 - | | | | | | |
| 103 | 9 | P | 23 40 39 | 2 | | 3 | | 300 | |
| | | S | 41 39 | | | | | | |
| | | F | 12 07 | 3 | | 5 | | | Vertical = 45mm |
| | | F | 30 | | | | | | |
| 104 | 11 | P | 16 13 27 | | | | | | |
| | | F | ? 2 | | | | | | |
| 105 | 11 | P | 16 14 57 | | | | | | Vertical = 1mm " 2mm de difícil interpretación Lima: 10mm " 15mm " 20mm " 25mm " 30mm " 35mm " 40mm " 45mm " 50mm " 55mm " 60mm " 65mm " 70mm " 75mm " 80mm " 85mm " 90mm " 95mm " 100mm |
| | | i | 50 11 | | | | | | |
| | | L | 10 3 | | | | | | |
| | | F | 29 30 | | | | | | |
| | | M ₁ | 32 20 | 18 | 20 | 10 | 17 | | |
| | | M ₂ | 33 05 | 17 | 19 | 12 | 15 | | |
| | | M ₃ | 34 47 | 16 | 18 | 12 | 13 | | |
| | | M ₄ | 35 30 | | | | | | |
| | | M ₅ | 40 34 | | | | | | |
| | | M ₆ | ? 2 | | | | | | |
| 106 | 11 | P | 17 39 31 | | | | | | |
| | | M | 18 28 45 | 18 | | | 11 | | |
| | | M | 40 18 | 17 | | | 5 | | |
| | | M | 45 39 | 24 | | | 20 | | |
| | | C | 50 20 | 15 | | | 3 | | |
| | | F | 19 30 - | | | | | | |
| 107 | 12 | P | 3 39 51 | | | | | | |
| | | S | 5 51 | | | | | | |
| | | L | 10 50 | 9 | | 5 | | | |
| | | M | 12 39 | | | | | | |
| | | C | 15 00 | 7 | | | | | |
| | | F | 35 | | | | | | |

Nº 108-120

JHS.

BOLETIN DE LA ESTACION SISMOLÓGICA

DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitud W. Greenwich 69° 9' 10"
 Latitud S. 16° 29' 43"
 Altura sobre el mar 3,700 m.

Mes de Abril 1914

Instrumentos: Péndulos horizontales: Bifilar NS (masa 2,000 kgs), Bifilar EW (masa 450 kgs.)
 Péndulo: Vertical San Calixto NS y EW (masa 1,600 kgs.)

| Nº | Dia | Fase | Hora Hora de Greenwich | Período | | Amplitud verdadera | | Distancia Kms. | NOTAS |
|-----|-----|-----------------------------|---|-----------|----|--------------------|----|-------------------|--|
| | | | | NS | EW | Am | Am | | |
| 108 | 12 | Pc i | 12 40 42 51 22 | | | | | | CONSTANTES DEL SEM A T. $\epsilon = 1 \frac{1}{2}$ |
| 109 | 13 | Pc S L M F | 21 9 46 14 24 20 12 22 00 10 | | | 2,5 | | 4930 | |
| 110 | 13 | Pc i i F | 21 17 36 18 26 19 34 ? | | | | | | Vertical = $7 \frac{1}{2}$ " = $10 \frac{1}{2}$ |
| 111 | 14 | Pc i S L M F | 7 25 25 25 35 27 54 30 00 31 15 8 10 | | | 5 | | 1120 | Sentido en Salaverry, Pacasmayo (Peru) Vertical = $19 \frac{1}{2}$ |
| 112 | 14 | Pc i F | 23 31 10 31 15 37 | | | | | | Emisor local Vert. = $6 \frac{1}{2}$ |
| 113 | 15 | P S? L M F | 5 27 56 32 44 42 04 43 24 5 15 | | | 2 3 | | | |
| 114 | 15 | C M | 12 57 45 13 00 | | | | | | |
| 115 | 15 | Pc S? L M F | 19 11 35 12 19 13 00 13 20 13 41 30 | 45 2,5 | 2 | 22 | 12 | 400 | Vert. = $50 \frac{1}{2}$ " = $120 \frac{1}{2}$ " = $108 \frac{1}{2}$ |
| 116 | 15 | Pc i F | 21 38 13 38 28 50 | | | | | | |
| 117 | 16 | Pc F | 7 41 54 15 | | | | | | |
| 118 | 16 | Pc S? F | 8 12 18 13 34 24 | 2 | | 2 | | | |
| 119 | 16 | Pc i | 16 8 41 11 06 | | | | | | Vert. = $2 \frac{1}{2}$ |
| 120 | 16 | Pc i | 20 9 31 10 52 | | | | | | Vertic = $3 \frac{1}{2}$ |

Nº 121-131

JHS.

BOLETIN DE LA ESTACION SISMOLÓGICA

DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitud W. Greenwich 69° 9' 10"
 Latitud S. 16° 29' 43"
 Altura sobre el mar 3,700 m.

Mes de Abril 1914

Instrumentos: Péndulos horizontales: Bifilar NS (masa 2,000 kgs), Bifilar EW (masa 450 kgs.)
 Péndulo: Vertical San Calixto NS y EW (masa 1,600 kgs.)

| Nº | Dia | Fase | Hora Hora de Greenwich | Período | | Amplitud verdadera | | Distancia Kms. | NOTAS |
|-----|-----|---|--|---|----------|---|------|--|---|
| | | | | NS | EW | Am | Am | | |
| 121 | 16 | Pc i | 22 51 16 58 51 | | | | | | CONSTANTES DEL SEM A T. $\epsilon = 1 \frac{1}{2}$ |
| 122 | 18 | L F | 11 45 40 12 10 | | | | | | NS 200 9 3,4 8,006 EW 85 15 5 8,009 |
| 123 | 19 | Pc i | 8 53 52 55 18 | | | | | | NS 1100 2,4 - EW " " - |
| 124 | 19 | Pc F | 23 14 25 25 | | | | | | Emisor local Vertical $11 \frac{1}{2}$ |
| 125 | 20 | Pc M F | 0 10 49 11 25 20 | 0,5 | | 5 | | | Emisor local |
| 126 | 20 | Pc M F | 10 50 30 58 55 59 | 0,5 | | 7 | | | Vertical = $11 \frac{1}{2}$ |
| 127 | 20 | Pc i | 11 54 24 54 40 | 1,5 | 1,5 | 5 | | | Vertic = $11 \frac{1}{2}$ |
| 128 | 20 | Pc i S? L M M M M M C C C F | 18 35 06 35 12 36 00 39 25 39 31 42 38 44 35 45 28 46 00 48 48 50 06 51 12 53 08 54 13 59 30 14 05 03 08 25 09 40 15 35 15 25 | 7 7 9 12 10 12 12 10 10 12 10 10 15 12 | 41 52 | 18 190 325 130 73 100 118 80 142 123 70 35 25 30 15 | 2580 | Vertic = $130 \frac{1}{2}$ " = $120 \frac{1}{2}$ " = $130 \frac{1}{2}$ " = $17 \frac{1}{2}$ W of L.R. Salty | |
| 129 | 20 | C F | 15 17 12 30 | | | | | | Vertic = $3 \frac{1}{2}$ |
| 130 | 21 | Pc i | 22 00 43 01 16 | | | | | | Vertic = $2 \frac{1}{2}$ |
| 131 | 21 | Pc S? L M F | 22 13 05 16 47 19 40 21 12 5 | | | 9 | | 3 | |

BOLETIN DE LA ESTACION SISMOLÓGICA
DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitud W. Greenwich 68° 9' 10"
Latitud S. 16° 29' 48"
Altura sobre el mar 3,700 m.
Mes de Abril 1914
Instrumentos: Péndulos horizontales: Bifilar NS (masa 2,000 kgs.), Bifilar EW (masa 400 kgs.)
Péndulo: Vertical San Callisto NS y EW (masa 1,600 kgs.)

| Nº | Dia | Fases | Hora | | Período | | Amplitud verdadera | | Distancia Kms. | NOTAS |
|-----|-----|-----------------------|--------------|-------|---------|----|--------------------|------|-------------------|--|
| | | | de Greenwich | Local | NS | EW | NS | EW | | |
| 132 | 23 | P L F | 0 15 02 | | | | | | | Vertical |
| | | | 15 58 | | | | | | | |
| | | | 25 | | | | | | | |
| 133 | 23 | P L F | 8 00 28 | | | | | | | |
| | | | 08 | | | | | | | |
| | | | 10 | | | | | | | |
| 134 | 23 | P L M C F | 10 51 09 | | | | | 1020 | | Vertical en Huarí, Salaverry (Peru) Pocomop Vertical = 9" |
| | | | 52 59 | | 3 | | 3 | | | |
| | | | 55 17 | | | | | | | |
| | | | 56 02 | | 8 | | 2 | | | |
| | | | 10 | | | | | | | |
| | | | 11 | | | | | | | |
| 135 | 23 | P L F | 14 05 22 | | | | | | | |
| | | | 15 | | | | | | | |
| | | | 15 | | | | | | | |
| 136 | 24 | P L F | 0 58 45 | | | | | | | |
| | | | 10 43 25 | | | | | | | Vertical = 8" - las otras fases se conjunden con el siguiente terremoto. |
| | | | 47 16 | | 9 | | 3 | | | |
| | | | 50 15 | | | | | | | Vertical = 120" |
| 138 | 24 | P L M C F | 10 43 25 | | | | | | | Vertical = 50" |
| | | | 50 00 | | 2 | | 25 | | | |
| | | | 52 16 | | | | | | | |
| | | | 53 35 | | 6 | | 10 | | | |
| | | | 55 45 | | 6 | | 8 | | | |
| | | | ? | | | | | | | Vertical = 12" |
| 138 | 24 | P L F | 10 55 58 | | 2 | | | | | |
| 139 | 24 | P L F | 11 34 56 | | | | | | | |
| 140 | 24 | P L F | 11 36 01 | | | | | | | |
| 141 | 24 | P L M C F | 13 23 08 | | | | | 2730 | | Vertical = 3" |
| | | | 23 26 | | | | | | | |
| | | | 27 31 | | | | | | | |
| | | | 33 45 | | | | | | | |
| | | | 35 16 | | 12 | | 5 | | | |
| | | | 10 10 00 | | 12 | | 4 | | | |
| | | | 55 | | | | | | | |
| 142 | 24 | P L F | 15 45 15 | | | | | | | |
| | | | 16 10 | | | | | | | |
| 143 | 25 | P L C F | 5 18 45 | | | | | | | Vertical = 2" |
| | | | 21 35 | | | | | | | " = 1" |
| | | | 47 45 | | | | | | | |
| 144 | 25 | P L M C F | 9 24 30 | | | | | | | |
| | | | 25 05 | | | | | | | |
| | | | 37 05 | | 9 | | 3 | | | |
| | | | 53 | | | | | | | |
| 145 | 26 | P L C F | 17 42 53 | | | | | | | Vertical = 2" |
| | | | A3 A3 | | | | | | | |
| | | | 18 Ca | | | | | | | |

Nº 145-153 BOLETIN DE LA ESTACION SISMOLÓGICA
DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitud W. Greenwich 68° 9' 10"
Latitud S. 16° 29' 48"
Altura sobre el mar 3,700 m.
Mes de Abril 1914
Instrumentos: Péndulos horizontales: Bifilar NS (masa 2,000 kgs.), Bifilar EW (masa 400 kgs.)
Péndulo: Vertical San Callisto NS y EW (masa 1,600 kgs.)

| Nº | Dia | Fases | Hora | | Período | | Amplitud verdadera | | Distancia Kms. | NOTAS |
|-----|-----|-----------------------|--------------|-------|---------|----|--------------------|----|-------------------|---------------|
| | | | de Greenwich | Local | NS | EW | NS | EW | | |
| 146 | 25 | P L M C F | 1 21 59 | | | | | | | |
| | | | 22 47 | | | | | | | |
| | | | 23 10 | | | | | | | |
| | | | 24 10 | | | | | | | |
| | | | 25 05 | | | | | | | |
| | | | ? | | | | | | | |
| 147 | 27 | P L M C F | 2 25 A3 | | | | | | | |
| | | | 2 46 57 | | | | | | | |
| 148 | 27 | P L M C F | 52 | | | | | | | |
| 149 | 27 | P L M C F | 10 01 22 | | | | | | | Vertical = 3" |
| | | | 30 | | | | | | | |
| 150 | 28 | P L M C F | 11 50 17 | | | | | | | |
| | | | 12 25 | | | | | | | |
| | | | 22 | | | | | | | |
| 151 | 28 | P L M C F | 14 40 | | | | | | | |
| | | | 14 44 | | | | | | | |
| | | | 10 | | | | | | | |
| 152 | 29 | P L M C F | 9 04 0 | | | | | | | |
| | | | 18 | | | | | | | |
| | | | 10 00 51 | | | | | | | |
| 153 | 29 | P L M C F | 08 27 | | | | | | | Vertical = 8" |
| | | | 10 31 | | | | | | | |
| | | | 10 23 | | | | | | | |
| 154 | 29 | P L M C F | 10 36 | | | | | | | Vertical = 7" |
| | | | A1 11 | | | | | | | " = 8" |
| | | | 20 32 | | | | | | | |
| | | | 27 28 | | | | | | | |
| 155 | 30 | P L M C F | 0 20 10 | | | | | | | |
| | | | 27 28 | | | | | | | |
| 156 | 30 | P L M C F | 11 19 10 | | | | | | | |
| | | | 2 10 | | | | | | | |

P. III Descotes

BOLETIN DE LA ESTACION SISMOLÓGICA

DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitud W. Greenwich 68° 9' 10"
 Latitud S. 16° 29' 43"
 Altura sobre el mar 3,700 m.

Mes de MAYO 1914

Instrumentos: Péndulos horizontales: Bifilar NS (masa 2,000 kgs.), Bifilar EW (masa 450 kgs.)
 Péndulo: Vertical San Calixto NS y EW (masa 1,500 kgs.)

MP. VELARDE LA PAZ.

| Nº | Día | Fases | HORA | | Período | | Amplitud verdadera | | Distancia | NOTAS |
|-----|-----|------------------------|--------------|---|------------------|-------------|-----------------------|-----------------|-----------|--|
| | | | de Greenwich | | NS | EW | AN | AE | | |
| | | | | | S | S | μ | μ | Kms. | |
| 57 | 1 | IP C C F | 4 | 23 57 24 18 25 18 34 - | | | | | | Vertical 4mm " 5mm |
| 58 | 1 | IP S L M F | 20 | 13 07 14 17 15 00 15 19 37 - | 8 | | 2 | | 640 | Bifilar NS 300 9 3,4 0,0015 EW 85 15 4,4 0,003 Vertical NS 1100 2,4 - 0,06 EW " " - - |
| 59 | 2 | IP S L M F | 21 | 17 35 18 01 18 15 18 12 20 03 40 - | 2 2 2 4 | 2 2 2 | 30 182 54 20 | 25 122 46 | 390 | Sentido en Arequipa (Peru) grado IV R.F. (A. Campbell) Vertical > 150mm |
| 160 | 3 | E F | 13 | 13 00 18 - | | | | | | Sentido en Arequipa I R.F. Vertical 2mm |
| 161 | 4 | E F | 14 | 18 49 24 - | | | | | | Sentido en Arequipa II R.F. Vertical 3mm |
| 162 | 5 | IP S L M F | 3 | 07 19 08 15 08 41 09 11 25 - | 2 5 | | 8 4 | | 630 | Vertical 56mm Vertical 43mm |
| 163 | 5 | IP L M M F | 5 | 36 59 37 43 37 51 38 50 39 05 6 ca - | 3 8 | | 16 10 | | 350 | Sentido en Arequipa III R.F. Vertical 134mm " 105mm " 110mm |
| 164 | 5 | E F | 14 | 08 19 30 - | | | | | | Vertical 2mm |
| 165 | 5 | IP S L M F | 15 | 07 33 10 50 11 47 13 39 15 35 35 - | 4 | | 2 6 | 2 | 1930 | Vertical 12mm |
| 166 | 6 | E F | 17 | 12 14 35 - | | | | | | |
| 167 | 6 | IP S? F | 22 | 37 22 38 34 52 - | | | | | | Vertical 4mm |
| 168 | 7 | IP L M F | 10 | 22 31 23 00 23 09 30 - | 1,5 | | 9 | | 220 | Vertical 34mm |
| 169 | 8 | IP F | 13 | 24 01 ? ? | | | | | | |
| 170 | 8 | E F | 15 | 25 23 34 - | | | | | | |
| 171 | 8 | E | 18 | 22 30 | | | | | | |
| 172 | 9 | IP C S? F | 0 | 57 09 57 20 1 00 44 25 - | | | | | | |
| 173 | 11 | E F | 22 | 18 00 25 - | | | | | | |
| 174 | 12 | E F | 12 | 27 58 40 - | | | | | | |
| 175 | 13 | IP S L M F | 13 | 10 09 11 28 14 10 15 41 35 - | 8 | 8 | 13 | 4 | 750 | Vertical 64 |

BOLETIN DE LA ESTACION SISMOLÓGICA

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MP. VELARDE LA PAZ

| Nº | Día | Fases | HORA | | | Período | | Amplitud verdadera | | Distancia | NOTAS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|-----|--|-------------------|-------------------|--------|---------|----|--------------------|-----|-----------|---|--|---|----------------|-----|-------------------|---------|----|-----|---|-----|--------|----|----|----|-----|-------|----------|----|------|-----|---|------|----|---|---|---|---|
| | | | Hora de Greenwich | | | NS | EW | AN | AE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | S | S | μ | μ | Kms. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 176 | 13 | e F | 15 | 16 | 58 | | | | | | CONSTANTES DEL MES <table border="1"> <tr> <td></td> <td>A</td> <td>T₀</td> <td>ε:1</td> <td>$\frac{r}{T_0^2}$</td> </tr> <tr> <td rowspan="2">Bifilar</td> <td>NS</td> <td>300</td> <td>9</td> <td>3,5</td> <td>0,0045</td> </tr> <tr> <td>EW</td> <td>85</td> <td>15</td> <td>4,4</td> <td>0,003</td> </tr> <tr> <td rowspan="2">Vertical</td> <td>NS</td> <td>1100</td> <td>2,4</td> <td>-</td> <td>4,06</td> </tr> <tr> <td>EW</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table> | | A | T ₀ | ε:1 | $\frac{r}{T_0^2}$ | Bifilar | NS | 300 | 9 | 3,5 | 0,0045 | EW | 85 | 15 | 4,4 | 0,003 | Vertical | NS | 1100 | 2,4 | - | 4,06 | EW | - | - | - | - |
| | A | T ₀ | ε:1 | $\frac{r}{T_0^2}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bifilar | NS | 300 | 9 | 3,5 | 0,0045 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EW | 85 | 15 | 4,4 | 0,003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vertical | NS | 1100 | 2,4 | - | 4,06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EW | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 177 | 14 | eP S? | 12 | 32 | 57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 178 | 14 | iP S L M F | 13 | 39 | 53 | | | | | 2100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 43 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 46 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 48 | 52 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 14 | 10 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 179 | 14 | L M iP | 15 | 37 | 00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 39 | 24 | 7 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 180 | 14 | iP S L M F | 16 | 39 | 49 | | | | | 630 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 40 | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 41 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 41 | 51 | 5 | 5 | 3 | 3,5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 55 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 181 | 14 | iP S F | 23 | 15 | 49 | | | | | | Sentido en Arequipa | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 17 | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 30 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 182 | 15 | iP S L M M M F | 1 | 40 | 47 | 1 | | +4 | | 550 | Sentido en Santa-Cruz (Bo- livia) grado V F.M. (B. Puncu- Vertical 115 mm Vertical > 150 mm Vertical > 150 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 41 | 18 | 2 | | -28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 41 | 42 | 1,5 | | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 42 | 00 | 4 | | -134 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 42 | 17 | 4 | 4 | -116 | 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 42 | 42 | 5 | | 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 2 | 40 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 183 | 15 | iP S L M F | 3 | 51 | 15 | | | | | 1950 | Vertical 8 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 54 | 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 57 | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 58 | 37 | 7 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 4 | 15 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 184 | 15 | iP S L M M M M F | 19 | 48 | 08 | 10 | | 7 | | 2600 | Vertical 8 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 52 | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 56 | 31 | 10 | | +19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 59 | 14 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 59 | 30 | | 8 | | -20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 20 | 00 | 10 | 9 | 8 | +32 | +22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 01 | 39 | 8 | 8 | -15 | +14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 21 | 20 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 185 | 16 | e | 4 | 39 | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 186 | 18 | e i | 5 | 29 | 59 | | | | | | Vertical 3 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 32 | 49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 187 | 18 | e (2) | 11 | 29 | 20 | | | | | | Bar. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 48 | 12 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 188 | 18 | e | 12 | 47 | 29 | | | | | | Bar. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 189 | 18 | e S? | 13 | 19 | 24 | | | | | | Bar. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 21 | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 190 | 18 | e F | 15 | 32 | 03 | | | | | | Terremoto lejano del confundido con barosismo. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | ? | ? | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 191 | 18 | eP L M | 22 | 14 | 23 | | | | | | Fin mezclado con baro- sismos. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 23 | 30 | 10 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 25 | 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 192 | 19 | iP i | 0 | 01 | 47 | | | | | | Vertical 4 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 05 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 193 | 19 | eP i S L M M M M F | 0 | 31 | 11 | 3 | | -3 | | 2980 | Vertical 11 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 31 | 17 | 6 | | -4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 35 | 53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 39 | 33 | 10 | 11 | -8 | -4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 41 | 03 | 10 | | -8,5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 42 | 03 | 10 | | -4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 44 | 00 | 10 | | -4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 46 | 00 | 10 | | -4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1 | 15 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|----------|-----|---|-------------------|----------------------------------|----------------------------------|-------------|------------------------|--------------------|--------|---|---|--|---|----------------|-----|-------------------|---------|----|-----|---|-----|--------|----|----|----|-----|-------|----------|----|------|-----|---|------|----|---|---|---|---|
| | | | Hora de Greenwich | | | NS | EW | AN | AE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 194 | 19 | eP F | 1 | 37 | 46 | s | s | μ | μ | Kms. | <p>CONSTANTES DEL MES</p> <table border="1"> <thead> <tr> <th></th> <th>A</th> <th>T₀</th> <th>ε:1</th> <th>$\frac{r}{T_0^2}$</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Bifilar</td> <td>NS</td> <td>300</td> <td>9</td> <td>3,4</td> <td>0,0045</td> </tr> <tr> <td>EW</td> <td>85</td> <td>15</td> <td>4,4</td> <td>0,003</td> </tr> <tr> <td rowspan="2">Vertical</td> <td>NS</td> <td>1100</td> <td>2,4</td> <td>-</td> <td>0,05</td> </tr> <tr> <td>EW</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table> | | A | T ₀ | ε:1 | $\frac{r}{T_0^2}$ | Bifilar | NS | 300 | 9 | 3,4 | 0,0045 | EW | 85 | 15 | 4,4 | 0,003 | Vertical | NS | 1100 | 2,4 | - | 0,05 | EW | - | - | - | - |
| | A | T ₀ | ε:1 | $\frac{r}{T_0^2}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bifilar | NS | 300 | 9 | 3,4 | 0,0045 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EW | 85 | 15 | 4,4 | 0,003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vertical | NS | 1100 | 2,4 | - | 0,05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EW | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 195 | 19 | eP (S) | 5 | 1 | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 196 | 19 | eP (S) M F | 6 7 | 59 01 | 15 58 | 5 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 197 | 19 | e e | 11 13 | 45 11 | 08 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 198 | 20 | eP M F | 10 11 | 47 48 | 06 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 199 | 22 | eP (S) M F | 7 | 08 10 12 | 18 16 13 | 8 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 200 | 23 | eP S M F | 20 | 00 03 04 | 58 03 32 | 6 | | 2,5 | 1170 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 201 | 23 | eP S L M F | 21 | 18 20 22 23 | 29 48 33 40 | 5 | | 2 | 1300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 202 | 24 | eP (S) L M F | 16 17 | 08 19 39 49 | 35 44 00 26 | | 16 | 2 | | De difícil interpretación. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 203 | 25 | (e) L M F | 3 4 5 | 56 37 38 | 02 02 52 | | 14 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 204 | 25 | e F | 5 | 09 40 | 26 - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 205 | 25 | eP i.S. L M M F | 7 8 | 49 49 51 53 54 | 09 22 21 06 47 18 | 5 6 | 6 | -6,5 -7 | 11 | 1210 Sentido en Lima IV F.M. Vertical 18mm (F. Robredo S.) Vertical 50mm " 34mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 206 | 25 | eP i F | 16 | 21 22 29 | 31 10 - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 207 | 26 | eL M M F | 3 4 | 55 57 02 | 00 30 35 | | 18 18 | 3 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 208 | 26 | e F | 6 7 | 50 20 | 00 - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 209 | 26 | e F | 9 10 | 114 Ca | 50 - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 210 | 26 | iPE i i i i S L M M M M | 14 15 | 42 44 45 47 49 00 | 45 50 40 12 00 30 | 6 9 9 | 2A (4) 35mm 39mm | 14 15 | 17.000 | (1) La componente N.S. estaba sin amortiguamiento. Vertical 85mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 31 42 45 47 51 | 45 48 30 00 27 | 28 | 30 23 21 26 | 12mm 14mm | | 130 77 63 +160 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|-----|-----|----------|-------------------|----------------|-----|-------------------|--------|--------------------|------|--------------------------|---|--|---|----------------|-----|-------------------|---------|----|-----|---|-----|--------|----|----|----|-----|-------|----------|----|------|-----|---|------|----|---|---|---|---|
| | | | Hora de Greenwich | | | NS | EW | AN | AE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 211 | 26 | M | 15 | 56 | 30 | 30 | 27 | 24 | 4 | Kms. | <p>CONSTANTES DEL MES</p> <table border="1"> <tr> <td></td> <td>A</td> <td>T₀</td> <td>ε:1</td> <td>$\frac{r}{T_0^2}$</td> </tr> <tr> <td rowspan="2">Bifilar</td> <td>NS</td> <td>300</td> <td>9</td> <td>3,4</td> <td>0,0045</td> </tr> <tr> <td>EW</td> <td>85</td> <td>15</td> <td>4,4</td> <td>0,003</td> </tr> <tr> <td rowspan="2">Vertical</td> <td>NS</td> <td>1100</td> <td>2,4</td> <td>-</td> <td>0,06</td> </tr> <tr> <td>EW</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table> | | A | T ₀ | ε:1 | $\frac{r}{T_0^2}$ | Bifilar | NS | 300 | 9 | 3,4 | 0,0045 | EW | 85 | 15 | 4,4 | 0,003 | Vertical | NS | 1100 | 2,4 | - | 0,06 | EW | - | - | - | - |
| | | | A | T ₀ | ε:1 | $\frac{r}{T_0^2}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Bifilar | NS | 300 | 9 | 3,4 | 0,0045 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | EW | 85 | 15 | 4,4 | 0,003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Vertical | NS | 1100 | 2,4 | - | 0,06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | EW | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 15 | 57 | 44 | 22 | 21 | +17 ^{mm} | +160 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 16 | 02 | 48 | 22 | 22 | 17 ^{mm} | 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 16 | 04 | 36 | 23 | 23 | 14 ^{mm} | 170 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 16 | 07 | 48 | 21 | 21 | 12 ^{mm} | +130 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 16 | 07 | 48 | 21 | 21 | | +100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 16 | 14 | 09 | 21 | 21 | 14 ^{mm} | +63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 16 | 20 | 00 | 20 | 20 | 13 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 16 | 22 | 33 | 25 | | 6 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M | 16 | 25 | 00 | 20 | | 12 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M | 16 | 27 | 15 | 21 | 21 | 13 ^{mm} | +90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M | 16 | 33 | 22 | | 20 | | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M | 16 | 42 | 21 | | 20 | | -25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F | 18 | Ca | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 212 | 27 | e | 7 | 23 | 10 | | | 4 | | Vertical 2 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | 8 | 10 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 213 | 28 | eP | 3 | 29 | 19 | 2 | | + | | 3100 | <p>Panama -</p> <p>Vertical 8^{mm}</p> <p>" 34^{mm}</p> <p>" 46^{mm}</p> <p>" 42^{mm}</p> <p>Vertical 34^{mm}</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | c | 3 | 29 | 52 | 2 | | -4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | c | 3 | 30 | 04 | 2,5 | | +9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | c | 3 | 30 | 16 | 3 | | +12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | c | 3 | 30 | 45 | 4 | | -13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | S | 3 | 31 | 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | L | 3 | 38 | 23 | 11 | | +20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 3 | 39 | 00 | 10 | | -26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 3 | 39 | 29 | 1 | 18 | | -98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 3 | 43 | 00 | 18 | 18 | -113 | -59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 3 | 45 | 10 | 12 | | +20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 3 | 48 | 06 | 15 | 15 | | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | 5 | 30 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 214 | 28 | eP | 12 | 41 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 215 | 28 | eP | 13 | 01 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 216 | 28 | eP | 14 | 01 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 217 | 28 | eP | 18 | 05 | 17 | | | | | 4700 | fin confundido con el siguiente | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | eS | 12 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | eL | 18 | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 21 | 47 | 15 | 15 | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | 35 | 49 | 15 | | 6,5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 218 | 29 | eP | 18 | 59 | 54 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | (S) | 19 | 06 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | L | 13 | 00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 15 | 39 | | 15 | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | 20 | Ca | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 219 | 29 | eP | 5 | 07 | 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | c | 5 | 07 | 35 | 3 | | +2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | c | 5 | 12 | 03 | 5 | | +2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | (S) | 5 | 18 | 27 | 6 | | +4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | (S) | 5 | 25 | 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | L | 6 | 03 | 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 6 | 08 | 24 | 20 | 20 | 21 | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 6 | 09 | 16 | | 21 | | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 6 | 11 | 00 | 20 | | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 6 | 14 | 20 | | 18 | | -16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 6 | 21 | 00 | | 18 | | -16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 6 | 23 | 05 | 19 | | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 6 | 31 | 18 | | 16 | | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 6 | 33 | 00 | | 16 | | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F | 7 | 50 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

BOLETIN DE LA ESTACION SISMOLÓGICA

DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitud W. Greenwich 68° 9' 10"
 Latitud S. 16° 29' 43"
 Altura sobre el mar 3,700 m.

Mes de MAYO 1914

Instrumentos: Péndulos horizontales: Bifilar NS (masa 2,000 kgs.), Bifilar EW (masa 450 kgs.)
 Péndulo: Vertical San Calixto NS y EW (masa 1,500 kgs.)

| Nº | Día | Fases | HORA | | | Período | | Amplitud verdadera | | Distancia Kms. | NOTAS |
|------------|-----|---|--|--------------------------------------|--------------|--|------|---------------------------|--|-------------------|--|
| | | | Hora de Greenwich | | | NS | EW | AN | AE | | |
| | | | S | S | μ | μ | Kms. | | | | |
| 219 | 29 | P F | 15 56 40 16 05 - | | | | | | | | CONSTANTES DEL MES A T ₀ ε:1 $\frac{r}{T_0^2}$ Bifilar NS EW 300 9 3,4 0,005 Vertical >150 NS 85 15 4,5 0,003 Verijjal EW 1100 2,4 - 0,008 |
| 220 | 29 | P F | 22 31 16 33 - | 0,5 | | 4 | | Local | | | |
| 221 | 30 | iP L M M F | 22 43 19 43 17 43 52 44 05 23 10 - | 1 3,5 3,5 | 3 3 | 10 135 -57 | | 75 55 Vertical " | | | |
| 222 | 31 | eP F | 9 02 52 10 - | | | | | | | | |
| 223 | 31 | iP i S L M M M M M F | 13 14 12 44 36 47 52 50 03 50 55 51 50 53 15 55 12 55 30 58 33 15 20 - | 4 4 9 13 13 10,5 9 | 9 9 10 | 7 8 21 +54 -75 32 13 | | 34 30 23 | 2200 Sentido en <u>Quito</u> <u>Ecuador</u> Vertical >150 ^{mm} | | |
| 224 | 31 | eP S L M F | 19 31 27 37 27 46 00 17 21 20 30 - | | | | | 14 3 | 4220 | | |
| JUNIO 1914 | | | | | | | | | | | |
| 225 | 1 | e i F | 12 42 22 50 06 13 10 - | | | | | | | | |
| 226 | 1 | eP L S F | 13 28 59 29 12 30 20 40 - | | | | | | 720 | | |
| 227 | 1 | eP i F | 23 57 37 58 00 0 10 - | | | | | | | | |
| 228 | 3 | e | 6 36 55 | | | | | | | | |
| 229 | 4 | eP i S L M M M F | 4 34 32 34 35 37 00 37 25 38 53 40 35 5 25 - | 5 8 7 | 8 | 4 +18 15 | | 25 | 1400 Vertical 50 ^{mm} " 45 ^{mm} | | |
| 230 | 6 | eP F | 21 04 38 30 - | | | | | | | | |
| 231 | 7 | eP F | 12 00 31 10 - | | | | | | | | |
| 232 | 7 | eP F | 13 37 21 45 - | | | | | | | | |

BOLETIN DE LA ESTACION SISMOLÓGICA

DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitud W. Greenwich 68° 9' 10"
 Latitud S. 18° 29' 43"
 Altura sobre el mar 3,700 m.

Mes de

Junio 1914

Instrumentos: Péndulos horizontales: Bifilar NS (masa 2,000 kgs.), Bifilar EW (masa 450 kgs.)
 Péndulo: Vertical San Calixto NS y EW (masa 1,500 kgs.)

MP. VELARDE LA PAZ.

| Nº | Día | Fases | HORA | | | Período | | Amplitud verdadera | | Distancia | NOTAS |
|-----|-----|------------------------|-------------------|----|----------|--------------------|----|--------------------|-------|-----------|--|
| | | | Hora de Greenwich | | | NS | EW | AN | AE | | |
| 233 | 7 | eP F | 20 | 49 | 15 | S | S | μ | μ | Kms. | CONSTANTES DEL MES |
| 234 | 8 | iP (S) F | 11 | 17 | 14 | | | | | | |
| 235 | 9 | iP M M F | 16 | 39 | 15 | 0,2 0,4 0,11 | | 8 | Local | | Bifilar NS EW |
| 236 | 10 | iP F | 11 | 33 | 45 | | | | | | |
| 237 | 10 | iP F | 12 | 35 | 07 | | | | | | |
| 238 | 10 | eP i F | 12 | 18 | 38 | | | | | | |
| | | | 13 | Ca | | | | | | | |
| 239 | 11 | eP F | 12 | 35 | 17 | | | | | | |
| 240 | 13 | eP (S) F | 17 | 30 | 20 | | | | | | Sentido en Arequipa Grado III R.F. (L. Campbell) |
| 241 | 13 | eP (S) F | 23 | 04 | 38 | | | | | | |
| | | | | 05 | 40 | | | | | | |
| 242 | 14 | i (S) | 5 6 | 59 | 58 51 | | | | | | |
| 243 | 14 | e | 6 | 50 | 00 | | | | | | |
| 244 | 14 | eP iS M F | 11 | 50 | 03 | 5 | | 2 | | 620 | Vertical 5 mm |
| | | | 12 | 10 | | | | | | | |
| 245 | 15 | eP F | 5 | 57 | 00 | | | | | | |
| | | | | 59 | | | | | | | |
| 246 | 15 | iP L M M F | 7 | 32 | 36 | 2 | | 15 | | 350 | Vertical 102 mm |
| | | | 8 | 15 | | 2 | | 10 | | | |
| 247 | 16 | eP S L M F | 2 | 26 | 53 | | | | | 5000 | Fin mezclado con el siguiente |
| | | | | 33 | 33 | | | | | | |
| | | | | 36 | 53 | | | | | | |
| | | | | 38 | 40 | 18 | | 4 | | | |
| | | | | ? | ? | | | | | | |
| 248 | 16 | iP S L M F | 2 | 47 | 03 | | | | | 4600 | Vertical 5 mm |
| | | | | 53 | 29 | | | | | | |
| | | | | 56 | 23 | | | | | | |
| | | | | 57 | 25 | 15 | | 5 | | | |
| | | | 3 | 40 | | | | | | | |
| 249 | 16 | iP S L M F | 22 | 05 | 16 | | | | | 390 | Sentido en Arequipa. Grado III R.F. (L. Campbell) Vertical 10 mm |
| | | | | 06 | 34 | | | | | | |
| | | | | 07 | 24 | | | | | | |
| | | | | 07 | 38 | 8 | | 2 | | | |
| | | | | 15 | | | | | | | |
| 250 | 17 | iP i F | 9 | 20 | 33 | 0,5 | | 6 | | | |
| | | | | 20 | 40 | | | | | | |
| | | | | 25 | | | | | | | |

BOLETIN DE LA ESTACION SISMOLÓGICA

DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitud W. Greenwich 68° 9' 10"
 Latitud S. 16° 29' 43"
 Altura sobre el mar 3,700 m.

Mes de Junio 1914

Instrumentos: Péndulos horizontales: Bifilar NS (masa 2,000 kgs.), Bifilar EW (masa 450 kgs.)
 Péndulo: Vertical San Calixto NS y EW (masa 1,500 kgs.)

MP. VELARDE LA PAZ.

| Nº | Día | Fases | HORA | | | Período | | Amplitud verdadera | | Distancia | NOTAS |
|-----|-----|---|-------------------|-----|----|---------|----|--------------------|---------------------------|--|--|
| | | | Hora de Greenwich | | | NS | EW | AN | AE | | |
| 251 | 17 | iP iS L M F | 12 | 20 | 24 | s | s | μ | μ | 11000 Vertical 24 ^{mm} | CONSTANTES DEL MES A T ₀ ε:1 $\frac{r}{T_0^2}$ |
| | | | 22 | 22 | | | | 3 | Vertical 56 ^{mm} | | |
| 252 | 17 | iP iS L M F | 15 | 14 | 01 | 0,5 | | 3 | Vertical 18 ^{mm} | Bifilar NS 300 9 3,4 0,005 EW 85 15 4,5 0,003 | |
| | | | 15 | 19 | | 5 | | 3 | | | NS 1100 2,4 - 0,008 EW - - - - |
| 253 | 17 | iP iS L M M F | 16 | 06 | 54 | 0,5 | | +10 | Vertical 47 ^{mm} | Vertical 115 ^{mm} | |
| | | | 07 | 07 | | 1 | | +13 | | | |
| 254 | 17 | iP M M F | 20 | 07 | 16 | | | | | Vertical 6 ^{mm} Vertical 7 ^{mm} | |
| 255 | 18 | iP M F | 3 | 22 | 54 | | | | | Vertical 4 ^{mm} | |
| 256 | 18 | iP iS L M M M F | 6 | 09 | 36 | 2 | | 2 | | 3800 Vertical 11 ^{mm} 9 ^{mm} | |
| | | | 11 | 07 | | 2,5 | | 3 | | | |
| | | | 15 | 12 | | | | | | | |
| | | | 20 | 19 | | | | | | | |
| | | | 21 | 30 | | 9 | 9 | 7 | 8 | | |
| | | | 22 | 36 | | 8,5 | | 7 | | | |
| | | | 23 | 04 | | 8 | | 4 | | | |
| | | | 7 | Ca | | | | | | | |
| 257 | 18 | iP iS L M F | 10 | 52 | 31 | | | | | | |
| | | | 11 | 15 | | | | | | | |
| 258 | 18 | iP | 18 | 02 | 10 | | | | | | |
| 259 | 18 | iP iS L M F | 20 | 39 | 54 | | | | | | |
| | | | 21 | 08 | 55 | | | 18 | 7 | | |
| | | | 22 | 12 | 30 | | | | | | |
| | | | 22 | 20 | | | | | | | |
| 260 | 19 | iP M F | 1 | 19 | 15 | | | | | Vertical 3 ^{mm} | |
| | | | 26 | 39 | | | | | | | |
| | | | 40 | | | | | | | | |
| 261 | 19 | iP iS L M F | 1 | 30 | 40 | | | | | Vertical 4 ^{mm} | |
| | | | 31 | 115 | | | | | | | |
| | | | 35 | 25 | | | | | | | |
| | | | 5 | 20 | | | | | | | |
| 262 | 19 | iP F | 9 | 01 | 13 | | | | | Vertical 2 ^{mm} | |
| | | | 10 | | | | | | | | |
| 263 | 19 | iP F | 22 | 42 | 15 | | | | | | |
| | | | 15 | | | | | | | | |
| 264 | 20 | iP iS L M M M M M F | 7 | 39 | 15 | 5 | | 2 | | | |
| | | | 40 | 17 | | | | | | | |
| | | | 50 | 19 | | | | | | | |
| | | | 56 | 22 | | 11 | 12 | 3 | | Parecen 2 terremotos. | |
| | | | 8 | 34 | 55 | | | | | | |
| | | | 37 | 23 | | | | 17 | 5 | | |
| | | | 44 | 35 | | | | 17 | 4 | | |
| | | | 48 | 27 | | | | 18 | 4 | | |
| | | | 54 | 10 | | | | 18 | 6,5 | | |
| | | | 9 | 00 | 15 | | | 18 | 5 | | |
| | | | 27 | 12 | | | | 18 | 7 | | |
| | | | 10 | 30 | | | | | | | |

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DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

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 Altura sobre el mar 3,700 m.

Mes de JULIO 1914

Instrumentos: Péndulos horizontales: Bifilar NS (masa 2,000 kgs.), Bifilar EW (masa 450 kgs.)
 Péndulo: Vertical San Calixto NS y EW (masa 1,500 kgs.)

MP. VELARDE LA PAZ.

| Nº | Día | Fases | HORA | | | Período | | Amplitud verdadera | | Distancia | NOTAS |
|-----|--------|--|---|------------|----------------------------------|-------------|-----------------------------|--|---|---------------------------|-------|
| | | | Hora de Greenwich | NS | EW | AN | AE | | | | |
| 285 | 1 | e F | 2 33 00 3 30 - | S | S | μ | μ | Kms. | CONSTANTES DEL MES A T ₀ ε:1 $\frac{r}{T_0^2}$ Bifilar { NS 300 9 3,1 0,0056 EW 85 15 4,5 0,003 Vertical { NS 1100 2,1 - 0,008 EW " " - - Vertical } 150 mm Sentido en Lima, Huacho, Huarmey, Cajatambo etc. (Peru) | | |
| 286 | 1 | e F | 10 21 00 11 50 - | | | | | | | | |
| 287 | 1 | iP i iS L M M M M F | 15 40 04 41 06 41 50 42 14 42 50 43 20 44 05 44 45 45 00 15 25 16 30 - | 5 | 8 8 6 7 7 | 8 8 6 | -40 +33 -28 -30 | -35 +45 +11 | | Vertical 48 mm " 62 mm | |
| 288 | 2 | e | 20 55 37 | | | | | | | | |
| 289 | 2 | iP (S) F | 20 57 10 58 48 21 10 - | | | | | Vertical 6 mm | | | |
| 290 | 4 | e F | 2 56 40 3 20 - | | | | | | | | |
| 291 | 4 | iP i (S) L M M F | 18 08 07 10 12 18 20 26 00 27 00 35 30 19 Ca - | 3,5 3,5 | 12 12 | 2 2,5 | 2 2 | (9000) Vertical 4 mm | | | |
| 292 | 4 5 | eP i i i S L M M M F | 23 58 32 57 37 59 39 0 00 42 08 52 21 44 24 12 25 29 29 30 ? ? | | 15 16 18 | | 4 3 3 | 9100 Vertical 5 mm Fin confundido con el siguiente. | | | |
| 293 | 5 | eP L M M F | 0 54 02 1 14 00 15 30 22 25 2 Ca. - | | 15 18 | | 2 2 | | | | |
| 294 | 5 6 | iP i i (S) L M M M M M F | 22 11 07 11 35 13 18 24 30 23 06 00 09 30 14 20 18 15 23 37 34 15 39 45 0 30 - | 3 4 | 21 21 23 18 18 15 | -3 +2 | 7 7 85 7 6 3 | (13000) Vertical +3 mm " 4 mm | | | |
| 295 | 6 | e FL F | 2 14 31 14 57 30 - | | | | | Vertical 2 mm | | | |

BOLETIN DE LA ESTACION SISMOLÓGICA

DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitud W. Greenwich 68° 9' 10"
 Latitud S. 16° 29' 43"
 Altura sobre el mar 3,700 m.

Mes de

Julio 1914

Instrumentos: Péndulos horizontales: Bifilar NS (masa 2,000 kgs.), Bifilar EW (masa 450 kgs.)
 Péndulo: Vertical San Calixto NS y EW (masa 1,500 kgs.)

MP. VELARDE LA PAZ.

| Nº | Día | Fases | HORA | | | Periodo | | Amplitud verdadera | | Distancia | NOTAS |
|-----|-----|---|-------------------|---|--|---------------------|--------|--------------------|-----------|-----------|---|
| | | | Hora de Greenwich | | | NS | EW | AN | AE | | |
| | | | | | | S | S | μ | μ | Kms. | |
| 296 | 6 | iP i. L | 3 | 11 26 12 39 15 25 | | | | | | | CONSTANTES DEL MES |
| | | | | | | | | | | | A T. ε:1 $\frac{r}{T_0^2}$ |
| 297 | 6 | eP F | 4 | 05 33 10 - | | | | | | | Bifilar { NS 300 9 3,4 0,0055 EW 85 15 4,5 0,003 |
| 298 | 6 | eP i. (S) F | 6 | 17 38 18 32 19 13 ? ? | | | | | | | Vertical { NS 1100 2,4 - 0,008 EW " " - - |
| 299 | 6 | iP L M F | 6 | 35 21 36 18 36 11 ? ? | | 6 | | 3 | | | Vertical 3 ^{mm} |
| 300 | 6 | iP i. i. i. (S) i. F | 6 | 57 38 58 15 7 02 30 07 28 09 10 13 33 8 Ca. | | | 10 | 3 | | | Vertical 5 ^{mm} Parece una serie de sacudidas de fases muy confusas. |
| 301 | 6 | iP F | 20 | 26 19 50 - | | | | | | | |
| 302 | 6 | iP i. M F | 21 | 08 18 09 36 10 15 22 Ca - | | 4 5 | | 2 3 | | | Vertical 8 ^{mm} |
| 303 | 7 | P F | 0 | 19 00 1 10 - | | | | | | | |
| 304 | 7 | eP i. | 2 | 24 37 26 33 | | | | | | | Las otras fases confundidas con barostismos |
| 305 | 7 | iP S L M M T | 13 | 53 16 54 13 55 45 56 30 57 35 14 20 - | | 3 | | 4,5 | | | Vertical 10 ^{mm} Vertical 50 ^{mm} Vertical 15 ^{mm} |
| 306 | 7 | e F | 18 | 12 10 19 30 - | | | | | | | |
| 307 | 7 | e. i. F | 22 | 01 30 04 10 20 - | | | | | | | Vertical 3 ^{mm} |
| 308 | 8 | e F | 7 | 46 00 8 30 - | | | | | | | |
| 309 | 8 | iP S L M M F | 16 | 51 29 51 56 52 12 52 20 53 15 18 15 - | | 3 5 | 3 | +33 +12 | -28 | 300 | Vertical 19 ^{mm} Vertical > 150 ^{mm} |
| 310 | 8 | eP i. S L M M M M F | 21 | 06 39 06 55 12 40 16 36 19 45 20 35 21 30 24 25 22 Ca - | | 6 8,5 7 10 | 7 7 | 2 -6 5 4 | 9,5 10 | 4200 | Vertical 5 ^{mm} |

BOLETIN DE LA ESTACION SISMOLÓGICA

DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitud W. Greenwich 68° 9' 10"
 Latitud S. 16° 29' 43"
 Altura sobre el mar 3,700 m.

Mes de

Julio 1914

Instrumentos: Péndulos horizontales: Bifilar NS (masa 2,000 kgs.), Bifilar EW (masa 450 kgs.)
 Péndulo: Vertical San Calixto NS y EW (masa 1,500 kgs.)

MP. VELARDE LA PAZ.

| Nº | Día | Fases | HORA | | | Período | | Amplitud verdadera | | Distancia | NOTAS | | | | | | | | | | | | | | | | | | | | | | |
|----------|-----|------------------------------|-------------------|-----|-------|---------|----|--------------------|-----------------|---|--|---------|----|-----|---|-----|-------|----|----|----|-----|-------|----------|----|------|-----|---|-------|----|---|---|---|---|
| | | | Hora de Greenwich | | | NS | EW | AN | AE | | | | | | | | | | | | | | | | | | | | | | | | |
| 311 | 8 | iP Fin | 21 | 38 | 33 | s | s | μ | μ | Kms. | CONSTANTES DEL MES $A \quad T_0 \quad \epsilon : 1 \quad \frac{r}{T_0^2}$ <table border="1"> <tr> <td rowspan="2">Bifilar</td> <td>NS</td> <td>300</td> <td>9</td> <td>3,4</td> <td>0,006</td> </tr> <tr> <td>EW</td> <td>85</td> <td>15</td> <td>4,5</td> <td>0,003</td> </tr> <tr> <td rowspan="2">Vertical</td> <td>NS</td> <td>1100</td> <td>2,4</td> <td>-</td> <td>0,008</td> </tr> <tr> <td>EW</td> <td>"</td> <td>"</td> <td>-</td> <td>"</td> </tr> </table> | Bifilar | NS | 300 | 9 | 3,4 | 0,006 | EW | 85 | 15 | 4,5 | 0,003 | Vertical | NS | 1100 | 2,4 | - | 0,008 | EW | " | " | - | " |
| Bifilar | NS | 300 | 9 | 3,4 | 0,006 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EW | 85 | 15 | 4,5 | 0,003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vertical | NS | 1100 | 2,4 | - | 0,008 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EW | " | " | - | " | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 312 | 9 | e F | 1 | 31 | 00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 313 | 9 | iP F | 16 | 40 | 09 | | | Vertical | 2 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | | |
| 314 | 10 | e | 5 | 59 | 00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 315 | 10 | eP i (S) F | 20 | 05 | 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 06 | 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 20 | 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 21 | Ca | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 316 | 11 | eP F | 2 | 36 | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 3 | 45 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 317 | 11 | e F | 4 | 58 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 5 | 30 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 318 | 11 | iP F | 18 | 37 | 11 | | | | | Barosismos- | | | | | | | | | | | | | | | | | | | | | | | |
| | | | ? | ? | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 319 | 12 | iP i L M M F | 7 | 05 | 03 | | | | | Vertical 7 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 05 | 50 | | | | | Vertical 55 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 06 | 08 | 3 | | 6 | | " " | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 06 | 18 | | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 06 | 25 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 25 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 320 | 12 | e i | 10 | 35 | 20 | | | | | Vertical 2 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 42 | 00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 321 | 12 | eP (L) M F | 21 | 54 | 00 | | | | | Fases muy confusas por causa de los barosismos- | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 22 | 26 | 00 | | | 17 | 2,5 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 39 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | ? | ? | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 322 | 13 | iP S (L) M F | 11 | 27 | 01 | | | | | 780 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 28 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 28 | 45 | | | | | Vertical 9 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 29 | 00 | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 40 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 323 | 14 | eP eL M M M F | 3 | 30 | 00 | | | | | Baros. | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 4 | 27 | 00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 32 | 20 | 20 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 38 | 05 | 18 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 40 | 50 | 21 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 5 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 324 | 14 | e F | 16 | 32 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 17 | Ca | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 325 | 15 | e F | 9 | 48 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 10 | Ca | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 326 | 15 | e | 18 | 28 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 327 | 15 | iP i M M F | 20 | 22 | 15 | | | | | Vertical 12 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 22 | 40 | 2 | | 6,5 | | " 16 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 23 | 10 | 2 | | 4 | | " 21 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 23 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 40 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

BOLETIN DE LA ESTACION SISMOLÓGICA

DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitud W. Greenwich 68° 9' 10"

Latitud S. 16° 29' 43"

Altura sobre el mar 3,700 m.

Mes de

Julio 1914

Instrumentos: Péndulos horizontales: Bifilar NS (masa 2,000 kgs.), Bifilar EW (masa 450 kgs.)
Péndulo: Vertical San Calixto NS y EW (masa 1,500 kgs.)

MP. VELARDE LA PAZ.

| Nº | Día | Fases | HORA | | | Período | | Amplitud verdadera | | Distancia | NOTAS | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-----|----------------------------------|--|-------------------|-------|----------|----------------------|--------------------|---|--|-------|---|----|--------------|-------------------|---------|----|-----|---|-----|-------|----|----|----|-----|-------|----------|----|------|-----|---|-------|----|---|---|---|---|
| | | | Hora de Greenwich | NS | EW | AN | AE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 328 | 16 | iP F | 10 48 25 | s | s | | | | Kms. | <p>CONSTANTES DEL MES</p> <table border="1"> <tr> <td></td> <td>A</td> <td>T.</td> <td>$\epsilon:1$</td> <td>$\frac{r}{T_0^2}$</td> </tr> <tr> <td rowspan="2">Bifilar</td> <td>NS</td> <td>300</td> <td>9</td> <td>3,4</td> <td>0,006</td> </tr> <tr> <td>EW</td> <td>85</td> <td>15</td> <td>4,5</td> <td>0,003</td> </tr> <tr> <td rowspan="2">Vertical</td> <td>NS</td> <td>1100</td> <td>2,4</td> <td>-</td> <td>0,008</td> </tr> <tr> <td>EW</td> <td>"</td> <td>"</td> <td>-</td> <td>-</td> </tr> </table> | | A | T. | $\epsilon:1$ | $\frac{r}{T_0^2}$ | Bifilar | NS | 300 | 9 | 3,4 | 0,006 | EW | 85 | 15 | 4,5 | 0,003 | Vertical | NS | 1100 | 2,4 | - | 0,008 | EW | " | " | - | - |
| | A | T. | $\epsilon:1$ | $\frac{r}{T_0^2}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bifilar | NS | 300 | 9 | 3,4 | 0,006 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EW | 85 | 15 | 4,5 | 0,003 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vertical | NS | 1100 | 2,4 | - | 0,008 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EW | " | " | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 329 | 16 | iP (S) F | 18 59 00 59 15 | | | Vertical | 4 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 330 | 17 | iP F | 3 29 02 4 30 - | | | Vertical | 3 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 331 | 17 | iP L M M M M F | 7 27 00 8 02 00 8 06 18 8 09 20 8 20 30 8 26 25 9 Ca | | | | 21 21 18 18 | 5 5 4 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 332 | 17 | e (i) F | 20 33 00 59 00 21 30 - | | | | | | Vertical 2 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 333 | 20 | P F | 19 02 30 10 - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 334 | 21 | iP i i F | 8 46 3 17 10 17 30 9 Ca - | | | | | | Vertical 12 ^{mm} " 8 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 335 | 22 | e F | 9 18 00 10 Ca - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 336 | 22 | eP i F | 12 22 45 23 02 35 | | | Vertical | 3 ^{mm} | | Sentido en Arizupa - (Pirou) - Orado III R.F. (L. Campbell) | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 337 | 22 | eP S L M F | 16 26 01 28 27 30 15 30 55 17 Ca - | | | | 2 | | 1350 Vertical 11 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 338 | 23 | iP L F | 3 28 08 28 46 35 - | 0,5 | | | 7 | | Vertical 8 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>M. B. Los aparatos estuvieron parados hasta el 31 de julio por averglos en el local. P. M. Descotes 11</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

BOLETIN DE LA ESTACION SISM

DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitud W. Greenwich 68° 9' 10"
 Latitud S. 16° 29' 43"
 Altura sobre el mar 3,700 m.

Mes de Agosto 1914

Instrumentos: Péndulos horizontales: Bifilar NS (masa 2,000 kgs.), Bifilar EW (masa 450 kgs.)
 Péndulo: Vertical San Calixto NS y EW (masa 1,500 kgs.)

MP. VELARDE LA PAZ.

| Nº | Día | Fases | HORA | | | Período | | Amplitud verdadera | | Distancia | NOTAS |
|-----|-----|-------|-------------------|----|----|---------|-----|--------------------|-----|-------------------------|--|
| | | | Hora de Greenwich | NS | EW | AN | AE | | | | |
| 339 | 31- | e | 23 | 59 | 06 | S | S | μ | μ | Kms. | CONSTANTES DEL MES A T. ε:1 $\frac{r}{T_0^2}$ |
| | | L | 0 | 21 | 0 | | | | | | |
| | | M | 23 | 50 | | | 18 | | 2.5 | | Bifilar |
| | | F | 31 | 15 | | | 15 | | 2 | | |
| 340 | 1 | e | 17 | 16 | 00 | | | | | | Vertical |
| | | i | 21 | 50 | | | | | | | |
| | | F | 50 | | | | | | | | |
| 341 | 2 | iP | 18 | 08 | 14 | | | | | Vertic. 3 ^{mm} | NS 300 9 3.6 0.005 EW 85 11 5.5 0.005 |
| | | F | 30 | | | | | | | | |
| 342 | 3 | iP | 11 | 32 | 31 | | | | | 6.1/40 | NS 1100 2.4 - 0.008 EW " " " " |
| | | i | 33 | 57 | | | | | | | |
| | | S | 40 | 31 | | | | | | | |
| | | L | 46 | 10 | | | | | | | |
| | | M | 49 | 43 | | | 12 | | 3.5 | | |
| | | M | 50 | 30 | | | 14 | | 4 | | |
| | | M | 52 | 40 | | | 12 | | 3 | | |
| | | F | 12 | 30 | | | | | | | |
| 343 | 3 | e | 17 | 31 | 55 | | | | | | |
| | | F | 18 | Ca | | | | | | | |
| 344 | 4 | eP | 20 | 01 | 10 | | | | | | NS 300 9 3.6 0.005 EW 85 11 5.5 0.005 |
| | | L | 17 | 57 | | | | | | | |
| | | M | 19 | 15 | | | 7 | | 3 | | |
| | | F | 21 | Ca | | | | | | | |
| 345 | 4 | eP | 23 | 01 | 29 | | | | | | NS 1100 2.4 - 0.008 EW " " " " |
| | | i | 01 | 37 | | | | | | | |
| | | i | 02 | 19 | | | 2-6 | | | | |
| | | i | 04 | 09 | | | | | | | |
| | | (S') | 19 | 10 | | | | | | | |
| | | M | 54 | 27 | | | 30 | | 41 | | |
| | | M | 57 | 10 | | | 45 | | 85 | | |
| | | M | 58 | 50 | | | 32 | | 40 | | |
| | | M | 59 | 37 | | | 30 | | 40 | | |
| | 5 | M | 0 | 03 | 20 | | 25 | | 34 | | |
| | | M | 06 | 30 | | | 24 | | 25 | | |
| | | M | 09 | 10 | | | 25 | | 67 | | |
| | | M | 10 | 20 | | | 21 | | 20 | | |
| | | M | 14 | 25 | | | 21 | | 20 | | |
| | | M | 22 | 35 | | | 15 | | 11 | | |
| | | M | 25 | 00 | | | 21 | | 15 | | |
| | | M | 35 | 05 | | | 17 | | 10 | | |
| | | F | 1 | 35 | | | | | | | |
| 346 | 5 | e | 10 | 56 | 10 | | | | | | |
| | | F | 11 | 30 | | | | | | | |
| 347 | 5 | e | 19 | 35 | 55 | | | | | | |
| | | F | 50 | | | | | | | | |
| 348 | 6 | (eP) | 0 | 34 | 12 | | | | | | NS 1100 2.4 - 0.008 EW " " " " |
| | | iP | 35 | 12 | | | | | | | |
| | | F | 17 | | | | | | | | |

BOLETIN DE LA ESTACION SISMOLÓGICA

DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitud W. Greenwich 68° 9' 10"
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 Altura sobre el mar 3,700 m.

Mes de Agosto 1914

Instrumentos: Péndulos horizontales: Bifilar NS (masa 2,000 kgs.), Bifilar EW (masa 450 kgs.)
 Péndulo: Vertical San Calixto NS y EW (masa 1,500 kgs.)

MP. VELARDE LA PAZ.

| Nº | Día | Fases | HORA | | Período | | Amplitud verdadera | | Distancia | NOTAS |
|-----|-----|-------|------|-----------|---------|----|--------------------|------|-----------|--|
| | | | de | Greenwich | NS | EW | AN | AE | | |
| 349 | 6 | iP | 2 | 19 | 16 | 5 | | | 1990 | CONSTANTES DEL MES A T. ε:1 $\frac{r}{T_0^2}$ Bifilar NS 300 9 3.6 0.002 EW 85 14 5.5 0.002 Vertical NS 1100 2.4 - 0.008 EW - - - - |
| | | R.P | | 20 | 07 | 5 | | | | |
| | | iS | | 23 | 08 | 6 | | | | |
| | | RS | | 23 | 33 | 5 | | | | |
| | | L | | 26 | 30 | | | | | |
| | | M | | 27 | 32 | 15 | | +8,5 | | |
| | | M | | 28 | 23 | | 12 | +5 | | |
| M | | 28 | 30 | | 8 | +4 | | | | |
| | | F | 3 | 10 | | | | | | |
| 350 | 6 | iP | 1 | 29 | 23 | | | | 3170 | Vertical 10 ^{mm} " 5 ^{mm} Las otras fases se confunden con el siguiente |
| | | R.P | | 29 | 51 | | | | | |
| | | i | | 30 | 00 | | | | | |
| 351 | 6 | iP | 4 | 38 | 18 | | | | | |
| | | L | | 53 | 18 | | | | | |
| | | M | | 54 | 51 | 8 | | 2 | | |
| | | F | 5 | 25 | | | | | | |
| 352 | 6 | eP | 7 | 30 | 39 | | | | | |
| | | iP | | 30 | 47 | | | | | |
| | | i | | 35 | 29 | | | | | |
| | | F | | 50 | | | | | | |
| 353 | 6 | iP | 10 | 27 | 20 | | | | | Vertical 3 ^{mm} |
| | | i | | 27 | 55 | | | | | |
| | | F | | 30 | | | | | | |
| 354 | 6 | eP | 23 | 12 | 11 | | | | | Vertical 3 ^{mm} |
| | | i | | 12 | 17 | | | | | |
| | | i | | 13 | 41 | | | | | |
| | | F | 0 | 00 | | | | | | |
| 355 | 7 | iP | 12 | 1 | 00 | | | | 390 | Sentido en Arequipa Grado III-IV R.F. L Campbell |
| | | L | | 1 | 38 | | | | | |
| | | L | | 1 | 27 | | | | | |
| | | M | | 2 | 20 | | | | | |
| | | M | | 2 | 48 | 3 | | | | |
| | | F | 13 | 00 | | | | | | |
| 356 | 8 | eP | 19 | 18 | 17 | | | | | |
| | | iP | | 18 | 23 | | | | | |
| | | i | | 20 | 34 | | | | | |
| | | S | | 25 | 26 | | | | | |
| | | L | | 36 | 27 | | | | | |
| | | M | | 37 | 51 | 18 | | 8 | | |
| | | M | | 40 | 39 | 18 | | 9 | | |
| M | | 43 | 03 | 15 | | 2 | | | | |
| | | F | 20 | 25 | | | | | | |
| 357 | 8 | e | 21 | 11 | 30 | | | | | |
| | | F | | 30 | | | | | | |
| 358 | 9 | e | 15 | 1 | 00 | | | | | |
| | | F | | 20 | | | | | | |
| 359 | 9 | e | 18 | 57 | 30 | | | | | |
| | | i | | 19 | 03 | 20 | | | | |
| | | F | | 40 | | | | | | |
| 360 | 9 | e | 21 | 9 | 00 | | | | | Vertical 2 ^{mm} |
| | | L | | 10 | 20 | | | | | |
| | | F | | 35 | | | | | | |



BOLETIN DE LA ESTACION SISMOLÓGICA

DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitud W. Greenwich 68° 9' 10"
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 Altura sobre el mar 3,700 m.

Mes de *Agosto 1914*

Instrumentos: Péndulos horizontales: Bifilar NS (masa 2,000 kgs.) Bifilar EW (masa 450 kgs.)
 Péndulo: Vertical San Calixto NS y EW (masa 1,500 kgs.)

| Nº | Día | Fases | HORA | | Periodo | | Amplitud verdadera | | Distancia | NOTAS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|-----|---|-------------------|---|---------|----|--------------------|----|--|--|--|---|----------------|-----|-------------------|---------|----|-----|---|-----|-------|----|----|----|-----|--------|----------|----|------|-----|---|-------|----|---|---|---|---|
| | | | Hora de Greenwich | | NS | EW | AN | AE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | S | S | μ | μ | Kms. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 378 | 17 | iP F | 4 | 18 57 55 - | | | | | | CONSTANTES DEL MES <table border="1"> <tr> <td></td> <td>A</td> <td>T₀</td> <td>ε:1</td> <td>$\frac{r}{T_0^2}$</td> </tr> <tr> <td rowspan="2">Bifilar</td> <td>NS</td> <td>300</td> <td>9</td> <td>3.6</td> <td>0.005</td> </tr> <tr> <td>EW</td> <td>85</td> <td>7h</td> <td>3.5</td> <td>0.0025</td> </tr> <tr> <td rowspan="2">Vertical</td> <td>NS</td> <td>1100</td> <td>2.4</td> <td>-</td> <td>0.008</td> </tr> <tr> <td>EW</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> </tr> </table> | | A | T ₀ | ε:1 | $\frac{r}{T_0^2}$ | Bifilar | NS | 300 | 9 | 3.6 | 0.005 | EW | 85 | 7h | 3.5 | 0.0025 | Vertical | NS | 1100 | 2.4 | - | 0.008 | EW | " | " | " | " |
| | A | T ₀ | ε:1 | $\frac{r}{T_0^2}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bifilar | NS | 300 | 9 | 3.6 | 0.005 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EW | 85 | 7h | 3.5 | 0.0025 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vertical | NS | 1100 | 2.4 | - | 0.008 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EW | " | " | " | " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 379 | 17 | eP F | 9 | 14 00 25 - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 380 | 17 | e F | 20 21 | 58 30 15 - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 381 | 20 | eP i F | 11 | 03 10 03 36 35 - | | | | | Vertical 8 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 382 | 20 | iP (S) L M F | 9 | 17 04 18 19 19 19 19 12 10 15 - | 3 | | 2 | | (680) Vertical 5 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 383 | 20 | eP L F | 10 | 34 59 37 51 Ca - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 384 | 21 | e F | 2 | 14 25 56 - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 385 | 22 | iP L M F | 5 | 40 51 50 16 53 00 | 6 | | 1.5 | | Fin confundido con el siguiente | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 386 | 22 | eP F | 6 | 11 16 ? ? | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 387 | 22 | iP | 7 | 18 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 388 | 22 | eP iP i (S) L M F | 9 | 18 07 18 12 18 53 19 52 20 12 21 02 30 - | 3 | | 2 | | (830) Vertical 8 ^{mm} Vertic. 7 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 389 | 22 | e F | 15 17 | 29 00 Ca - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 390 | 23 | iP i S L M F | 11 | 19 30 50 00 50 35 51 10 52 15 12 ? ? | 5 | | + 8 | | 770 Vertic. 15 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 391 | 23 | iP M F | 12 | 15 54 18 05 110 - | 5 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 392 | 24 | iP i S L M M M M M F | 6 | 27 45 28 25 30 03 31 05 31 25 31 48 32 10 32 20 32 30 32 46 ? ? | | | | | 1300 | Vertic. 18 ^{mm} " 10 ^{mm} " > 150 ^{mm} " " " | | | | | | | | | | | | | | | | | | | | | | | | | | | |

BOLETIN DE LA ESTACION SISMOLÓGICA

DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitud W. Greenwich 68° 9' 10"
 Latitud S. 16° 29' 43"
 Altura sobre el mar 3,700 m.

Mes de *Setiembre 1914*

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 Péndulo: Vertical San Calixto NS y EW (masa 1,500 kgs.)

VE. VELARDE LA PAZ.

| Nº | Día | Fases | HORA | | Período | | Amplitud verdadera | | Distancia | NOTAS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|-----|-------------------------------|-------------------|--|-------------------|----|--|----|----------------------------------|--|--|---|----------------|-----|-------------------|---------|----|-----|---|-----|-------|----|----|----|---|--------|----------|----|------|-----|---|-------|----|--|--|--|--|
| | | | Hora de Greenwich | | NS | EW | AN | AE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 409 | 1 | e F | 3 | 09 00 30 ~ | S | S | μ | μ | Kms. | CONSTANTES DEL MES <table border="1"> <tr> <td></td> <td>A</td> <td>T₀</td> <td>ε:1</td> <td>$\frac{r}{T_0^3}$</td> </tr> <tr> <td rowspan="2">Bifilar</td> <td>NS</td> <td>300</td> <td>9</td> <td>3.5</td> <td>0.006</td> </tr> <tr> <td>EW</td> <td>80</td> <td>14</td> <td>5</td> <td>0.0020</td> </tr> <tr> <td rowspan="2">Vertical</td> <td>NS</td> <td>1100</td> <td>2.4</td> <td>-</td> <td>0.010</td> </tr> <tr> <td>EW</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> | | A | T ₀ | ε:1 | $\frac{r}{T_0^3}$ | Bifilar | NS | 300 | 9 | 3.5 | 0.006 | EW | 80 | 14 | 5 | 0.0020 | Vertical | NS | 1100 | 2.4 | - | 0.010 | EW | | | | |
| | A | T ₀ | ε:1 | $\frac{r}{T_0^3}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bifilar | NS | 300 | 9 | 3.5 | 0.006 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EW | 80 | 14 | 5 | 0.0020 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vertical | NS | 1100 | 2.4 | - | 0.010 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 410 | 1 | e | 9 | 45 00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 411 | 1 | eP (S) L M F | 10 | 29 19 36 37 48 00 51 20 | 18 | 18 | -3.5 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 412 | 1 | iP F | 11 | 33 33 50 ~ | | | Vertical 5 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 413 | 1 | e F | 19 | 42 ~ 20 30 ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 414 | 2 | eP L | 1 | 46 00 2 04 ~ | | | | | On das muy aplastadas | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 415 | 2 | iP L F | 2 | 36 47 41 28 51 ~ 3 20 ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 416 | 2 | iP i | 20 | 38 35 42 ~ | | | Vertical 2 mm " 2 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 417 | 2 | iP L M M M F | 20 | 56 58 57 14 57 20 57 23 58 00 21 25 ~ | 1.5 1.5 1.5 | | -11 +11 -13 | | Vertical 70 mm Vertical 20 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 418 | 2 | eL M | 22 | 39 00 41 30 | | 19 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 419 | 4 | iP i | 12 | 51 10 52 38 | | | Vertical 4 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 420 | 4 | iP F | 17 | 27 43 50 ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 421 | 4 | e i F | 18 | 46 55 47 20 19 ca ~ | | | Sentido en Arequipa gravis III R.F Vertical 1.5 mm. Vertical 2 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 422 | 5 | e F | 2 | 45 ~ 42 ~ | | | Vertical 2 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 423 | 5 | e | 4 | 40 ~ | | | Vertical 4 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 424 | 5 | eP i S (L) M F | 8 | 00 25 01 12 02 43 04 10 04 35 20 ~ | 7 | | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 425 | 6 | e | 8 | 52 ~ | | | Las otras fases débiles y confundidas con ba- rosismos ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 426 | 6 | eP S | 10 | 19 38 23 58 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 427 | 7 | e | 4 | 45 ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 428 | 7 | e F | 13 | 36 55 14 15 ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Nº 429-436

JHS.



From the ISC collection scanned by SISMOS

BOLETIN DE LA ESTACION SISMOLÓGICA

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Longitud W. Greenwich 68° 9' 10"
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Mes de *Setiembre 1914*

Instrumentos: Péndulos horizontales: Bifilar NS (masa 2,000 kgs.), Bifilar EW (masa 450 kgs.)
 Péndulo: Vertical San Calixto NS y EW (masa 1,500 kgs.)

| Nº | Día | Fases | HORA | | Período | | Amplitud verdadera | | Distancia | NOTAS | |
|-----|-----|-------|-------------------|----|---------|-----|--------------------|----------|-----------|---|--|
| | | | Hora de Greenwich | | NS | EW | AN | AE | | | |
| 429 | 7 | iP | 17 | 23 | 00 | S | S | μ | μ | Kms. | CONSTANTES DEL MES A T. ε:1 $\frac{r}{T_{02}}$ 300 9 3.5 0.006 Bifilar NS 80 14 5 0.0020 EW 1100 24 - 0.010 Vertical NS - - - - EW - - - - |
| | | S | | 23 | 48 | | | | | | |
| | | L | | 24 | 20 | | | | | | |
| | | M | | 24 | 48 | 3 | 0 | +16.5 | 20 | | |
| | | M | | 24 | 55 | 3 | | +15 | | | |
| | | M | | 25 | 10 | | | Vertical | 120 mm | | |
| | | F | | 18 | Ca | - | | | | | |
| 430 | 9 | (eP) | 0 | 54 | 50 | | | | | | |
| | | iP | | 55 | 16 | | | | | | |
| | | (S) | | 57 | 26 | | | | | | |
| | | M | 1 | 00 | 26 | 5 | | 2 | | | |
| F | | 20 | ~ | | | | | | | | |
| 431 | 10 | iP | 2 | 50 | 28 | | | | | | |
| | | L | 3 | 01 | 57 | | | | | | |
| | | M | | 03 | 00 | 9 | | 2 | | | |
| | | M | | 05 | 14 | 8 | | 1.5 | | | |
| | | F | | 30 | - | | | | | | |
| 432 | 10 | iP | 16 | 25 | 01 | | | | | 1160 Vertical 10 mm | |
| | | S | | 27 | 44 | | | | | | |
| | | L | | 29 | 34 | | | | | | |
| | | M | | 30 | 31 | | 16 | | 108 | | |
| | | M | | 30 | 55 | 13 | | 35 | | | |
| | | M | | 31 | 48 | 10 | | -17 | | | |
| | | M | | 32 | 16 | | 9 | 15 | 45 | | |
| | | M | | 32 | 25 | 10 | | 15 | | | |
| | | M | | 33 | 00 | 9 | | 14 | | | |
| | | M | | 33 | 35 | 9 | | +15 | | | |
| | | M | | 35 | 15 | | 12 | | 30 | | |
| | | M | | 37 | 28 | 6 | | 9 | | | |
| | | F | | 38 | 43 | 9 | | 12 | | | |
| F | | ? | ? | | | | | | | | |
| 433 | 10 | iP | 17 | 07 | 43 | | | | | Confundido con el siguiente. Vertical 10 mm " 18 mm | |
| | | i | | 11 | 18 | | | | | | |
| | | i | | 12 | 00 | | | | | | |
| | | L | | 12 | 16 | | | | | | |
| | | M | | 13 | 28 | | 15 | 5 | 11 | | |
| | | F | | 14 | 05 | 10 | | 5 | | | |
| F | | 18 | Ca | - | | | | | | | |
| 434 | 10 | e | 21 | 26 | - | | | | | | |
| 435 | 11 | e | 5 | 20 | 40 | | | | | | |
| | | F | | 55 | - | | | | | | |
| 436 | 11 | iP | 11 | 47 | 53 | 2 | 2 | + | +12 | 550 Destruccion en Caraveli (Pom) Vertical > 150 mm " " | |
| | | i | | 47 | 58 | 2 | | +40 | | | |
| | | i | | 48 | 26 | 1.5 | | +45 | | | |
| | | L | | 49 | 05 | | | | | | |
| | | M | | 49 | 10 | 3 | 2.5 | -222 | -250 | | |
| | | M | | 50 | 03 | | 5 | | -275 | | |
| | | M | | 50 | 31 | 3 | | -230 | | | |
| | | M | | 50 | 40 | 3 | | -118 | | | |
| | | M | | 50 | 55 | 4 | | -116 | | | |
| | | M | | 51 | 32 | 5 | | -92 | | | |
| | | M | | 51 | 48 | 4 | 9 | -98 | -130 | | |
| | | M | | 52 | 06 | 5 | | -81 | | | |
| | | M | | 52 | 55 | 5 | | -45 | | | |
| | | M | | 53 | 26 | 5 | | +43 | | | |
| | | F | | 56 | 43 | 5 | | +21 | | | |
| F | | 13 | 10 | - | | | | | | | |

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MP. VELARDE LA PAZ.

| Nº | Día | Fases | HORA | | | Período | | Amplitud verdadera | | Distancia | NOTAS | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|------|----------------------------------|-------------------|---|--|---------|----|--------------------|----|-----------|--|--|---|----|-----|-----------------|------------|-----|---|-----|-------|------------|----|----|---|-------|-------------|------|-----|---|------|-------------|--|--|--|--|
| | | | Hora de Greenwich | | | NS | EW | AN | AE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | S | S | μ | μ | Kms. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 437 | 11 | eP i F | 17 | 11 14 14 41 35 - | | | | Vertical 4 mm | | | CONSTANTES DEL MES <table border="1"> <tr> <td></td> <td>A</td> <td>T.</td> <td>ε:1</td> <td>$\frac{r}{T^2}$</td> </tr> <tr> <td>Bifilar NS</td> <td>300</td> <td>9</td> <td>3.5</td> <td>0.006</td> </tr> <tr> <td>Bifilar EW</td> <td>80</td> <td>14</td> <td>5</td> <td>0.002</td> </tr> <tr> <td>Vertical NS</td> <td>1100</td> <td>2.4</td> <td>-</td> <td>0.01</td> </tr> <tr> <td>Vertical EW</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> | | A | T. | ε:1 | $\frac{r}{T^2}$ | Bifilar NS | 300 | 9 | 3.5 | 0.006 | Bifilar EW | 80 | 14 | 5 | 0.002 | Vertical NS | 1100 | 2.4 | - | 0.01 | Vertical EW | | | | |
| | A | T. | ε:1 | $\frac{r}{T^2}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bifilar NS | 300 | 9 | 3.5 | 0.006 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bifilar EW | 80 | 14 | 5 | 0.002 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vertical NS | 1100 | 2.4 | - | 0.01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vertical EW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 438 | 11 | eP i L M M M F | 18 | 18 32 18 37 19 44 19 19 20 02 20 55 19 10 - | | | | Vertical 5 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 439 | 11 | iP M F | 19 | 25 34 27 47 33 - | | | | Vertical 13 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 440 | 11 | eP F | 20 | 18 30 30 - | | | | 2.5 " 16 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 441 | 11 | eP L M F | 22 | 41 24 46 00 116 50 23 Ca- | | 12 | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 442 | 12 | eP i | 3 | 45 05 46 14 | | | | Vertical 3 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 443 | 12 | iP F | 3 | 54 20 4 10 - | | | | Vertical 3 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 444 | 12 | iP (S) L M M F | 11 | 00 00 01 15 02 30 02 43 02 58 25 - | | | | -4 +4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 445 | 13 | eP i i i F | 3 | 43 00 46 26 52 41 56 20 4 20 - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 446 | 13 | eP S F | 20 | 41 02 44 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 447 | 13 | eP | 22 | 07 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 448 | 14 | eP (S) M F | 2 | 05 03 08 22 12 08 40 - | | 7 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 449 | 14 | iP iS M F | 11 | 10 14 11 12 12 28 ? ? | | | | 540 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 450 | 14 | eP (S) (L) M F | 14 | 17 30 21 22 23 17 24 14 50 - | | 9 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 451 | 14 | e | 21 | 00 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



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VP. VELARDE LA PAZ.

| Nº | Día | Fases | HORA | | Período | | Amplitud verdadera | | Distancia Kms. | NOTAS |
|-----|-----|-------|-------------------|-------|---------|----|--------------------|--------------|-------------------|--|
| | | | Hora de Greenwich | | NS | EW | AN | AE | | |
| | | | S | S | μ | μ | | | | |
| 452 | 15 | iP | 2 | 05 23 | | | | | | CONSTANTES DEL MES A T. ε:1 $\frac{P}{T_0^2}$ Bifilar NS 300 9 3.5 0.006 EW 80 14 5 0.002 Vertical NS 1100 2.4 ~ 0.01 EW - - - - Vertical 11mm Vertical 2mm Vertical 18mm Vertical 15mm Vertical 8mm Vertical 3mm |
| | | iP | | 06 26 | | | | | | |
| | | F | | 13 - | | | | | | |
| 453 | 15 | eP | 13 | 38 17 | | | | | | |
| | | (S) | | 41 10 | 8 | | 2 | Vertical 5mm | | |
| | | M | | 16 22 | | | | | | |
| | | F | 14 | 15 - | | | | | | |
| 454 | 16 | eP | 3 | 55 06 | | | | | | |
| | | F | 4 | 10 - | | | | | | |
| 455 | 16 | eP | 12 | 11 58 | | | | | | |
| | | M | | 12 58 | | | | | | |
| | | F | | 20 - | | | | | | |
| 456 | 16 | e | 16 | 16 28 | | | | | | |
| 457 | 17 | e | 1 | 53 30 | | | | | | |
| 458 | 17 | eP | 15 | 47 10 | | | | | | |
| | | F | 16 | Ca - | | | | | | |
| 459 | 18 | eP | 0 | 06 30 | | | | | | |
| | | F | | 15 - | | | | | | |
| 460 | 18 | iP | 6 | 36 00 | | | | | | |
| | | F | 7 | Ca - | | | | | | |
| 461 | 18 | eP | 12 | 22 27 | 2 | | 2.5 | | | |
| | | M | | 23 21 | | | | | | |
| | | F | | 30 - | | | | | | |
| 462 | 20 | iP | 8 | 50 02 | 1.5 | | | | | |
| 463 | 20 | eP | 8 | 59 08 | | | | 4680 | | |
| | | S | 9 | 05 33 | | | | | | |
| | | L | | 11 58 | | | | | | |
| | | M | | 15 52 | 6 | | 2 | | | |
| | | M | | 18 05 | 6 | | 2 | | | |
| | | F | | 30 - | | | | | | |
| 464 | 21 | iP | 5 | 43 10 | | | | 560 | | |
| | | S | | 44 12 | | | | | | |
| | | (L) | | 15 10 | | | | | | |
| | | F | 6 | Ca - | | | | | | |
| 465 | 22 | e | 4 | 19 10 | | | | | | |
| 466 | 22 | iP | 14 | 12 14 | | | | | | |
| | | i | | 12 39 | | | | | | |
| | | i | | 13 16 | | | | | | |
| | | F | | 50 - | | | | | | |
| 467 | 22 | eP | 23 | 41 45 | | | | (3100) | | |
| | | iP | | 11 17 | | | | | | |
| | | (S) | | 16 55 | | | | | | |
| | | L | | 52 24 | | | | | | |
| | | M | | 54 36 | 12 | | 3 | | | |
| | | M | | 58 05 | 12 | | 2 | | | |
| | | F | 0 | 20 - | | | | | | |
| 468 | 23 | eP | 2 | 07 54 | | | | | | |
| | | i | | 08 12 | | | | | | |
| | | F | | 18 - | | | | | | |
| 469 | 23 | e | 3 | 35 25 | | | | | | |
| 470 | 23 | e | 9 | 30 00 | | | | | | |
| 471 | 23 | eP | 13 | 11 19 | | | | | | |

BOLETIN DE LA ESTACION SISMOLÓGICA

DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitud W. Greenwich 68° 9' 10"
 Latitud S. 16° 29' 43"
 Altura sobre el mar 3,700 m.

Mes de

Septiembre 1914

Instrumentos: Péndulos horizontales: Bifilar NS (masa 2,000 kgs.), Bifilar EW (masa 450 kgs.)
 Péndulo: Vertical San Calixto NS y EW (masa 1,500 kgs.)

VP. VELARDE LA PAZ.

| Nº | Día | Fases | HORA | | Período | | Amplitud verdadera | | Distancia | NOTAS | |
|--------------|-----|---|-------------------|--|---------------------------------|----|--|-------------|---|---|--------------------------|
| | | | Hora de Greenwich | | NS | EW | AN | AE | | | |
| 472 | 25 | eP F | 4 | 06 51 15 - | s | s | μ | μ | 1830 | CONSTANTES DEL MES A T ₀ ε ± 1 $\frac{r}{T_0^3}$ Bifilar { NS EW Vertical { NS EW | |
| 473 | 25 | eP | 6 | 33 49 | | | | | | | |
| 474 | 25 | iP iS L M M M F | 10 | 34 38 37 45 40 01 40 21 40 51 43 20 50 - | 3 5 9 9 8 | | +5 +10 -50 -41 -23 | 50 | | | |
| 475 | 25 | iP S F | 14 | 40 26 42 11 55 - | | | | | | | |
| 476 | 26 | eP i | 15 | 12 00 14 21 | | | | | | | |
| 477 | 27 | e F | 15 | 03 50 38 - | | | | | | | |
| 478 | 27 | e i | 15 | 50 00 53 21 | | | | | | | Vertical 3 ^{mm} |
| 479 | 27 | e F | 17 | 55 20 18 40 | | | | | | | |
| 480 | 28 | eP F | 17 | 14 30 25 - | | | | | | | |
| 481 | 28 | e F | 17 | 57 00 18 10 | | | | | | | |
| 482 | 28 | C | 23 | 52 00 | | | | | | | |
| 483 | 29 | eP (S) F | 19 | 09 40 13 35 40 - | | | | | | | |
| 484 | 29 | iP F | 23 | 10 00 15 - | | | | | Gembler local | | |
| 485 | 29 | iP L M M M F | 23 | 31 57 32 28 32 30 32 38 32 42 43 - | 1 1 1 | | 17 +13 13 | | Vertical 35 ^{mm} " 38 ^{mm} | | |
| Octubre 1914 | | | | | | | | | | | |
| 486 | 1 | iP iS L M M M M M F | 6 | 28 58 29 14 33 06 35 30 36 40 36 48 37 00 38 15 38 38 41 30 50 - | 3 6 4 4 5 5 5 | | -30 -78 -120 +115 +82 -70 46 | -250 -95 | 2550 | Vertical 90 ^{mm} " 145 ^{mm} " >150 | |

BOLETIN DE LA ESTACION SISMOLÓGICA

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 Péndulo: Vertical San Calixto NS y EW (masa 1,500 kgs.)

MP. VELARDE LA PAZ.

| Nº | Día | Fases | HORA | | | Período | | Amplitud verdadera | | Distancia Kms. | NOTAS |
|-----|-----|---|-------------------|----|----|---------|----|--------------------|----|-------------------|--|
| | | | Hora de Greenwich | | | NS | EW | AN | AE | | |
| | | | S | S | μ | μ | μ | μ | | | |
| 487 | 1 | iP L M F | 15 | 35 | 25 | | | | | | CONSTANTES DEL MES A T ₀ ε:1 $\frac{r}{T_0^2}$ |
| | | | 42 | 18 | | 9 | | 1 | | | |
| | | | 16 | Ca | | | | | | | |
| 488 | 2 | eP F | 3 | 16 | 28 | | | | | | Bifilar NS 300 9 3.5 0.007 EW 80 11 4.5 0.002 |
| | | | 30 | - | | | | | | | |
| 489 | 2 | eP | 15 | 19 | 31 | | | | | | Vertical NS 1100 2.0 |
| 490 | 2 | eP | 16 | 25 | 00 | | | | | | |
| 491 | 2 | e F | 17 | 33 | 00 | | | | | | |
| | | | 55 | ~ | | | | | | | |
| 492 | 2 | e F | 23 | 30 | 00 | | | | | | |
| | | | 50 | - | | | | | | | |
| 493 | 3 | eP F | 16 | 28 | 52 | | | | | | |
| | | | 40 | ~ | | | | | | | |
| 494 | 3 | iP iS L M M M M M M F | 17 | 28 | 51 | 2 | | +38 | | 3500 | Sentido en Fort de France Vertical > 150 ^{mm} |
| | | | 34 | 08 | | | | | | | |
| | | | 38 | 02 | | | | | | | |
| | | | 39 | 56 | | 10 | | +170 | | | |
| | | | 40 | 52 | | 10 | | +120 | | | |
| | | | 41 | 10 | | 15 | | +200 | | | |
| | | | 41 | 45 | | 15 | | -150 | | | |
| | | | 42 | 30 | | 8 | | +110 | | | |
| | | | 43 | 20 | | 8 | | +218 | | | |
| | | | 48 | 09 | | 12 | | +73 | | | |
| | | | 19 | 40 | - | | | | | | |
| 495 | 3-4 | eP iP eS L M M M M M F | 22 | 25 | 12 | | | | | 12.400 | |
| | | | 25 | 22 | | | | | | | |
| | | | 37 | 42 | | | | | | | |
| | | | 50 | 02 | | | | | | | |
| | | | 23 | 08 | 30 | 25 | | 24 | | | |
| | | | 10 | 50 | | 20 | | 21 | | | |
| | | | 12 | 05 | | 20 | | 26.5 | | | |
| | | | 14 | 37 | | 23 | | 24 | | | |
| | | | 28 | 17 | | 20 | | 15 | | | |
| | | | 0 | 40 | | | | | | | |
| 496 | 5 | iP S L M M M F | 20 | 47 | 33 | | | | | 2900 | |
| | | | 52 | 08 | | | | | | | |
| | | | 56 | 03 | | | | | | | |
| | | | 58 | 55 | | 9 | | +3 | | | |
| | | | 21 | 00 | 15 | 9 | | -8 | | | |
| | | | 04 | 00 | | 9 | | -3 | | | |
| | | | 43 | - | | | | | | | |
| 497 | 6 | eP iP F | 3 | 09 | 18 | | | | | | |
| | | | 09 | 27 | | | | | | | |
| | | | 35 | - | | | | | | | |
| 498 | 6 | e | 17 | 53 | 00 | | | | | | |
| 499 | 6 | eP iP S L M M M M F | 19 | 29 | 37 | | | | | 9500 | Vertical 3 ^{mm} |
| | | | 29 | 12 | | | | | | | |
| | | | 40 | 16 | | | | | | | |
| | | | 20 | 01 | 00 | | | | | | |
| | | | 01 | 52 | | 30 | | 9 | | | |
| | | | 04 | 05 | | 20 | | 8 | | | |
| | | | 09 | 17 | | 18 | | 7 | | | |
| | | | 13 | 20 | | 18 | | 5 | | | |
| | | | 21 | Ca | | | | | | | |

BOLETIN DE LA ESTACION SISMOLÓGICA

DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitud W. Greenwich 68° 9' 10"
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Instrumentos: Péndulos horizontales: Bifilar NS (masa 2,000 kgs.), Bifilar EW (masa 450 kgs.)
 Péndulo: Vertical San Calixto NS y EW (masa 1,500 kgs.)

| Nº | Día | Fases | HORA | | | Período | | Amplitud verdadera | | Distancia | NOTAS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|---------|-------------------|----------------|------|-------------------|-------|--------------------------|----|---|---|--|---|----------------|-----|-------------------|---------|----|-----|---|-----|-------|----|----|----|-----|-------|----------|----|------|-----|--|--|----|--|--|--|--|
| | | | Hora de Greenwich | | | NS | EW | AN | AE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 500 | 8 | eP | 12 | 06 | 27 | s | s | μ | μ | 5450 | CONSTANTES DEL MES <table border="1"> <tr> <td></td> <td>A</td> <td>T₀</td> <td>ε:1</td> <td>$\frac{r}{T_0^2}$</td> </tr> <tr> <td rowspan="4">Bifilar</td> <td>NS</td> <td>300</td> <td>9</td> <td>3.5</td> <td>0.007</td> </tr> <tr> <td>EW</td> <td>80</td> <td>14</td> <td>4.7</td> <td>0.002</td> </tr> <tr> <td rowspan="2">Vertical</td> <td>NS</td> <td>1100</td> <td>2.4</td> <td></td> <td></td> </tr> <tr> <td>EW</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> | | A | T ₀ | ε:1 | $\frac{r}{T_0^2}$ | Bifilar | NS | 300 | 9 | 3.5 | 0.007 | EW | 80 | 14 | 4.7 | 0.002 | Vertical | NS | 1100 | 2.4 | | | EW | | | | |
| | | | A | T ₀ | ε:1 | $\frac{r}{T_0^2}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Bifilar | NS | 300 | 9 | 3.5 | 0.007 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | EW | 80 | 14 | 4.7 | 0.002 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Vertical | NS | 1100 | 2.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | EW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| iP | | 06 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| iS | | 13 | 37 | 10 | | +4.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L | | 21 | 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M | | 22 | 15 | 18 | 18 | 13 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M | | 24 | 53 | 15 | | +7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M | | 28 | 05 | 9 | 15 | -3 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F | | ? | ? | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 501 | 8 | iP | 12 | 29 | 47 | | | Vertical 4 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | 13 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 502 | 9 | eP | 2 | 59 | 21 | | | 1 | | Vertical 3 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | i | 3 | 00 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 503 | 9 | iP | 3 | 15 | 06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | L | 4 | 06 | 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | | 08 | 25 | 20 | 20 | 4 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | | 11 | 35 | 18 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | 5 | Ca | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 504 | 9 | iP | 20 | 22 | 14 | | | 1 | | local | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | | 23 | 09 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 504 | 9 | iP | 5 | 44 | 06 | | | | | Bombor local | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | | 44 | 34 | 0.5 | | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | | 44 | 16 | 0.5 | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | | 47 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 506 | 9 | P | 22 | 37 | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 507 | 11 | eP | 15 | 15 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | (S) | | 52 | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 16 | 00 | 40 | 12 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | ? | ? | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 508 | 11 | iP | 16 | 37 | 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | | 38 | 30 | 2 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 509 | 11 | iP | 16 | 41 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 510 | 11 | iP | 16 | 47 | 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | | 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 511 | 12 | iP | 3 | 41 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | | 13 | 05 | 5 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | | 50 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 512 | 12 | iP | 11 | 58 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | -12 | 09 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 513 | 12 | iP | 18 | 50 | 12 | 0.2 | | | | Jacudita local Vertical 25 ^{mm} " 65 " 75 " 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | i | | 52 | 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | | 52 | 30 | 0.4 | | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | | 52 | 37 | 0.11 | | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | | 53 | 42 | 0.11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | 19 | 05 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 514 | 13 | e | 19 | 08 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | 20 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 515 | 14 | e | 6 | 25 | 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 516 | 14 | iP | 11 | 16 | 55 | | | | | Vertical 4 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | i | | 17 | 35 | 2.5 | | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | | 30 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 517 | 15 | eP | 0 | 08 | 32 | | | | | Bombor local | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 518 | 15 | iP | 17 | 51 | 01 | | | | | Vertical 8 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | | 51 | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | 18 | Ca | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



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| Nº | Día | Fases | HORA | | | Período | | Amplitud verdadera | | Distancia Kms. | NOTAS | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|------|--|-------------------|-------------------|----|---------|----|--------------------|------|-------------------|---|--|---|----|-----|-------------------|------------|-----|---|-----|-------|------------|----|----|-----|-------|-------------|------|-----|---|---|-------------|--|--|--|--|
| | | | Hora de Greenwich | | | NS | EW | AN | AE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 534 | 23 | P S L M M M M M M M F | 6 | 51 | 25 | | | | | | CONSTANTES DEL MES <table border="1"> <thead> <tr> <th></th> <th>A</th> <th>T.</th> <th>ε:1</th> <th>$\frac{r}{T_0^2}$</th> </tr> </thead> <tbody> <tr> <td>Bifilar NS</td> <td>300</td> <td>9</td> <td>3.5</td> <td>0.007</td> </tr> <tr> <td>Bifilar EW</td> <td>80</td> <td>14</td> <td>1.5</td> <td>0.002</td> </tr> <tr> <td>Vertical NS</td> <td>1100</td> <td>2.4</td> <td>-</td> <td>-</td> </tr> <tr> <td>Vertical EW</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | A | T. | ε:1 | $\frac{r}{T_0^2}$ | Bifilar NS | 300 | 9 | 3.5 | 0.007 | Bifilar EW | 80 | 14 | 1.5 | 0.002 | Vertical NS | 1100 | 2.4 | - | - | Vertical EW | | | | |
| | A | T. | ε:1 | $\frac{r}{T_0^2}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bifilar NS | 300 | 9 | 3.5 | 0.007 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bifilar EW | 80 | 14 | 1.5 | 0.002 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vertical NS | 1100 | 2.4 | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vertical EW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 7 | 03 | 15 | 10 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 34 | 00 | 40 | | 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 53 | 00 | 35 | 35 | 66 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 8 | 01 | 00 | 28 | 30 | 45 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 04 | 12 | 28 | 25 | 60 | 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 11 | 10 | 25 | | 46 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 15 | 45 | 20 | | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 24 | 30 | | 20 | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 9 | Ca | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 535 | 23 | eL | 19 | 31 | 55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 536 | 24 | iP F | 20 | 14 | 19 | | | | | | Vertical 11 ^m | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 50 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 537 | 25 | iP (S) M M M M F | 1 | 34 | 00 | | | | | | Vertical 8 ^m | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 36 | 24 | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 40 | 00 | 7 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 43 | 25 | 7 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 45 | 15 | 7 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 2 | 07 | 00 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 09 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 40 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 538 | 25 | eP S M M M M F | 19 | 17 | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 26 | 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 31 | 34 | 7 | | +11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 32 | 40 | 7 | | -5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 34 | 14 | 5 | | +1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 35 | 25 | 6 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 20 | Ca | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 539 | 26 | iP M F | 9 | 35 | 11 | | | | | | Vertical 20 ^m | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 36 | 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 48 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 540 | 26 | e F | 13 | 16 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 55 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 541 | 26 | e F | 15 | 34 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 16 | Ca | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 542 | 26 | e F | 17 | 13 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 30 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 543 | 27 | iP i i S L M M M M M F | 3 | 51 | 32 | | | | | | Vertical 35 " 56 Vertical > 150 ^m " " Confundido con el siguiente. - Vertical 110 ^m | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 51 | 40 | 1 | | -10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 51 | 58 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 52 | 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 52 | 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 52 | 55 | 8 | | -140 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 53 | 50 | 10 | | +157 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 54 | 25 | 6 | | -63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 54 | 50 | 8 | 13 | +143 | -149 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 56 | 25 | 8 | | -150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 544 | 27 | iP L | 4 | 01 | 53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 06 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 545 | 27 | Las otras fases mezcladas con fuertes barosismos. iP F | 5 | 05 | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 50 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

BOLETIN DE LA ESTACION SISMOLÓGICA

DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitud W. Greenwich 68° 9' 10"
 Latitud S. 16° 29' 43"
 Altura sobre el mar 3,700 m.

Mes de

Octubre 1914

Instrumentos: Péndulos horizontales: Bifilar NS (masa 2,000 kgs.), Bifilar EW (masa 450 kgs.)
 Péndulo: Vertical San Calixto NS y EW (masa 1,500 kgs.)

MP. VELARDE LA PAZ.

| Nº | Día | Fases | HORA | | Periodo | | Amplitud verdadera | | Distancia | NOTAS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|--|-------------------|----|---------|-----|--------------------|------|-----------|--|-----|-------------------|-------|-----|-------------------|---------|----|-----|---|-----|-------|----|----|----|-----|-------|----------|----|------|-----|---|---|----|---|---|---|---|
| | | | Hora de Greenwich | | NS | EW | AN | AE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 546 | 27 | e L M M M F | 15 | 58 | 35 | NS' | μ | μ | Kms. | CONSTANTES DEL MES <table border="1"> <tr> <td></td> <td>A</td> <td>T.</td> <td>ε:1</td> <td>$\frac{r}{T_0^2}$</td> </tr> <tr> <td rowspan="2">Bifilar</td> <td>NS</td> <td>300</td> <td>9</td> <td>3.5</td> <td>0.007</td> </tr> <tr> <td>EW</td> <td>80</td> <td>14</td> <td>4.5</td> <td>0.042</td> </tr> <tr> <td rowspan="2">Vertical</td> <td>NS</td> <td>1100</td> <td>2.4</td> <td>-</td> <td>-</td> </tr> <tr> <td>EW</td> <td>"</td> <td>"</td> <td>-</td> <td>-</td> </tr> </table> | | A | T. | ε:1 | $\frac{r}{T_0^2}$ | Bifilar | NS | 300 | 9 | 3.5 | 0.007 | EW | 80 | 14 | 4.5 | 0.042 | Vertical | NS | 1100 | 2.4 | - | - | EW | " | " | - | - |
| | | | | A | T. | | | | | | ε:1 | $\frac{r}{T_0^2}$ | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Bifilar | NS | 300 | | | | | | 9 | 3.5 | 0.007 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | EW | 80 | | | | | | 14 | 4.5 | 0.042 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Vertical | NS | 1100 | | | | | | 2.4 | - | - | | | | | | | | | | | | | | | | | | | | | | | | |
| EW | " | " | | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 13 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 45 | 25 | 11 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 18 | 05 | 11 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 19 | 05 | 13 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | Ca | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 547 | 28 | eP iP (S) L M M F | 0 | 30 | 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 30 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1 | 10 | 54 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 01 | 55 | 15 | 15 | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 09 | 18 | 15 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 10 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 548 | 28 | eP F | 9 | 25 | 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 10 | Ca | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 549 | 29 | eP M M M M F | 3 | 33 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 41 | 43 | 7 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 47 | 36 | 8 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 49 | 18 | 8 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 4 | Ca | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 550 | 29 | iP L L M M M M M F | 7 | 34 | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 44 | 05 | | | 2.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 46 | 18 | 9 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 47 | 48 | 8 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 50 | 05 | 6 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 51 | 11 | 5 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 54 | 33 | 6 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 9 | Ca | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 551 | 29 | iP L M F | 13 | 23 | 46 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 24 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 24 | 22 | | | | | Vertical 3 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 30 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 552 | 29 | eP M M M M F | 15 | 24 | 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 38 | 28 | 7 | | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 39 | 50 | 6 | | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 42 | 33 | 8 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 16 | 10 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 553 | 30 | e F | 3 | 02 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 20 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 554 | 30 | e L M M M F | 5 | 54 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 6 | 06 | 51 | | | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 08 | 40 | 7 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 12 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 25 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 555 | 30 | e i F | 9 | 27 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 31 | 02 | | | | | Sentido en <u>Piura</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 55 | - | | | | | <u>Peru.</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 556 | 30 | e L M M M F | 17 | 17 | 55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 58 | 53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 18 | 02 | 05 | 7 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 06 | 18 | 8 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 13 | 33 | 7 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 557 | 30 | iP i S M M M M M F | 20 | 14 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 14 | 24 | 2 | | +25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 15 | 08 | | | -266 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 15 | 36 | 5 | | +230 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 16 | 25 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 16 | 44 | | 6 | | +220 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 16 | 50 | 5 | | +215 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 21 | Ca | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

BOLETIN DE LA ESTACION SIS...

DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitud W. Greenwich 68° 9' 10"
 Latitud S. 16° 29' 43"
 Altura sobre el mar 3,700 m.

Mes de Noviembre 1914

Instrumentos: Péndulos horizontales: Bifilar NS (masa 2,000 kgs.), Bifilar EW (masa 450 kgs.)
 Péndulo: Vertical San Calixto NS y EW (masa 1,500 kgs.)

VP. VELARDE LA PAZ.

| Nº | Día | Fases | HORA | | | Periodo | | Amplitud verdadera | | Distancia | NOTAS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----|---------|-------------------|----------------|-------|-------------------|-------|--------------------|-----|---|--|--|---|----------------|-----|-------------------|---------|----|-----|---|-----|-------|----|---|----|---|-------|----------|----|------|-----|---|-------|----|--|--|--|--|
| | | | Hora de Greenwich | | | NS | EW | AN | AE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 574 | 4 | M | 11 | 19 | 52 | S | S | μ | μ | Kms. | CONSTANTES DEL MES <table border="1"> <thead> <tr> <th></th> <th>A</th> <th>T₀</th> <th>ε:1</th> <th>$\frac{r}{T_0^2}$</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Bifilar</td> <td>NS</td> <td>300</td> <td>9</td> <td>3.5</td> <td>0.007</td> </tr> <tr> <td>EW</td> <td>8</td> <td>14</td> <td>5</td> <td>0.002</td> </tr> <tr> <td rowspan="2">Vertical</td> <td>NS</td> <td>1100</td> <td>2.4</td> <td>-</td> <td>0.015</td> </tr> <tr> <td>EW</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | A | T ₀ | ε:1 | $\frac{r}{T_0^2}$ | Bifilar | NS | 300 | 9 | 3.5 | 0.007 | EW | 8 | 14 | 5 | 0.002 | Vertical | NS | 1100 | 2.4 | - | 0.015 | EW | | | | |
| | | | A | T ₀ | ε:1 | $\frac{r}{T_0^2}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Bifilar | NS | 300 | 9 | 3.5 | 0.007 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EW | 8 | | 14 | 5 | 0.002 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vertical | NS | 1100 | 2.4 | - | 0.015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M | 50 | 05 | 7 | | +18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M | 52 | 50 | 8 | | -20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F | | | | | -15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 575 | 4 | iP | 12 | 14 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | L | 17 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 18 | 02 | 6 | | | -17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 16 | 48 | 6 | | | +21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 19 | 06 | 8 | | | +22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 20 | 48 | 9 | | | +22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 576 | 4 | M | 22 | 03 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | iP | 12 | 28 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 30 | 45 | 9 | | | +12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 37 | 46 | 8 | | | -8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 32 | 55 | 8 | | | +8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 577 | 4 | iP | 13 | 06 | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 578 | 4 | iP | 15 | 12 | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 579 | 4 | iP | 19 | 29 | 06 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | (S) | 35 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | L | 44 | 00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 45 | 10 | 11 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F | 20 | 25 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 580 | 4 | e | 21 | 52 | 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 581 | 5 | eP | 1 | 07 | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | 50 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>N.B Por causa de ausencia del Director, se omiten las observaciones hasta el 24 por no haber seguridad en la hora.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 582 | 24 | iP | 0 | 36 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | iS | 37 | 05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | L | 37 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 38 | 25 | 5 | | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 39 | 00 | 6 | | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F | 50 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 583 | 24 | iP | -12 | 13 | 11 | | | | | Error horario probable ± 5 ^s | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | i | 13 | 28 | 11 | | | +30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | i | 23 | 07 | 9 | 9 | | +14 | +68 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | (S) | 27 | 21 | 9 | | | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | i | 29 | 01 | 9 | | | +12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | i | 35 | 33 | 10 | | | -15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | (L) | 53 | 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 13 | 01 | 49 | 21 | | | -11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 07 | 20 | 27 | | | +16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 08 | 10 | 22 | | | | +24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 12 | 23 | 20 | | | +11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 13 | 45 | 27 | | | | +33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 21 | 00 | 25 | | | -23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 27 | 15 | 18 | | | | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 28 | 00 | 27 | | | -35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M | 32 | 35 | 25 | | | -23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M | 40 | 40 | 20 | | | -11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M | 42 | 15 | 25 | | | -18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F | 14 | 40 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 584 | 24 | eP | 20 | 45 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

BOLETIN DE LA ESTACION SISMOLÓGICA

DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitud W. Greenwich 68° 9' 10"
 Latitud S. 16° 29' 43"
 Altura sobre el mar 3,700 m.

Mes de Diciembre 1914

Instrumentos: Péndulos horizontales: Bifilar NS (masa 2,000 kgs.), Bifilar EW (masa 450 kgs.)
 Péndulo: Vertical San Calixto NS y EW (masa 1,500 kgs.)

MP. VELARDE LA PAZ.

| Nº | Día | Fases | HORA | | | Período | | Amplitud verdadera | | Distancia | NOTAS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|-----|-------|-------------------|-------------------|--------|---------|-----|--------------------|-----|-----------|---|--|---|----|-----|-------------------|---------|----|-----|---|-----|-------|----|----|----|---|--------|----------|----|------|-----|---|---|----|--|--|--|--|
| | | | Hora de Greenwich | | | NS | EW | AN | AE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 612 | 10 | iP | 17 | 53 | 58 | 2 | S | μ | μ | Kms. | CONSTANTES DEL MES | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | L | | 54 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | | 54 | 40 | 3 | 3.5 | +105 | +67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | 18 | 20 | 3 | | -51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 613 | 11 | e | 1 | 16 | 00 | | | | | | <table border="1"> <tr> <td></td> <td>A</td> <td>T.</td> <td>ε:1</td> <td>$\frac{r}{T_0^2}$</td> </tr> <tr> <td rowspan="2">Bifilar</td> <td>NS</td> <td>300</td> <td>9</td> <td>3.6</td> <td>0.044</td> </tr> <tr> <td>EW</td> <td>80</td> <td>14</td> <td>5</td> <td>0.1102</td> </tr> <tr> <td rowspan="2">Vertical</td> <td>NS</td> <td>1100</td> <td>2.4</td> <td>-</td> <td>-</td> </tr> <tr> <td>EW</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> | | A | T. | ε:1 | $\frac{r}{T_0^2}$ | Bifilar | NS | 300 | 9 | 3.6 | 0.044 | EW | 80 | 14 | 5 | 0.1102 | Vertical | NS | 1100 | 2.4 | - | - | EW | | | | |
| | A | T. | ε:1 | $\frac{r}{T_0^2}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bifilar | NS | 300 | 9 | 3.6 | 0.044 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EW | 80 | 14 | 5 | 0.1102 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vertical | NS | 1100 | 2.4 | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 614 | 12 | e | 6 | 56 | 00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 615 | 12 | iP | 12 | 43 | 52 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | 13 | Ca | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 616 | 12 | iP | 20 | 27 | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | L | | 40 | 00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | | 41 | 11 | 15 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | | 14 | 17 | 13 | | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 617 | 13 | eP | 8 | 50 | 30 | | | | | | Vertical 11 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | L | | 54 | 00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | 9 | Ca | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 618 | 13 | iP | 11 | 56 | 19 | | | | | | Ondas muy aplastadas | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | 12 | 15 | ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 619 | 13 | F | 20 | 10 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 620 | 14 | iP | 10 | 29 | 00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | L | | 30 | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | | 30 | 55 | 7 | | -2.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | | 40 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 621 | 14 | iP | 12 | 31 | 58 | | | | | | Vertical 30 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | (S) | | 33 | 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | | 33 | 35 | 5 | | +5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | | 34 | 40 | 6 | | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | | 45 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 622 | 14 | eP | 20 | 35 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | | 40 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 623 | 14 | iP | 21 | 05 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | L | | 06 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | | 07 | 05 | 6 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | | 15 | ~ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 624 | 15 | (eP) | 9 | 10 | 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | (S) | | 20 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | L | | 19 | 00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | | 56 | 40 | 15 | 18 | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | 10 | 08 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | | 24 | 00 | | 15 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 625 | 15 | e | 10 | 28 | 00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 626 | 16 | e | 1 | 28 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | 2 | 25 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 627 | 16 | iP | 10 | 41 | 34 | | | | | | Vertical 8 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | | 42 | 40 | 3 | | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | 11 | Ca | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 628 | 16 | iP | 16 | 56 | 56 | | | | | | Vertical 25 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | i | | 57 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | S | | 57 | 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | L | | 58 | 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | M | | 59 | 05 | 8 | 12 | -21 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | F | 17 | 30 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Nº 29-642

JHS.



From the ISC collection scanned by SISMOS

BOLETIN DE LA ESTACION SISM.

DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitud W. Greenwich 68° 9' 10"
 Latitud S. 16° 29' 43"
 Altura sobre el mar 3,700 m.

Mes de *Diciembre 1914*

Instrumentos: Péndulos horizontales: Bifilar NS (masa 2,000 kgs.), Bifilar EW (masa 450 kgs.)
 Péndulo: Vertical San Calixto NS y EW (masa 1,500 kgs.)

MP. VELARDE LA PAZ.

| Nº | Día | Fases | HORA | | Período | | Amplitud verdadera | | Distancia | NOTAS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|-----|---|---|-------------------|------------------|----------|-------------------------------|-----------|----------------|---|--|---|----|-----|-------------------|---------|----|-----|---|-----|-------|----|----|----|---|-------|----------|----|------|-----|---|--|----|--|--|--|--|
| | | | Hora de Greenwich | | NS | EW | AN | AE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 629 | 16 | iP S | 1 06 09 | | S | S | μ | μ | Kms. | CONSTANTES DEL MES <table border="1"> <tr> <td></td> <td>A</td> <td>T.</td> <td>ε:1</td> <td>$\frac{r}{T_0^2}$</td> </tr> <tr> <td rowspan="2">Bifilar</td> <td>NS</td> <td>300</td> <td>9</td> <td>3.6</td> <td>0.007</td> </tr> <tr> <td>EW</td> <td>80</td> <td>14</td> <td>5</td> <td>0.002</td> </tr> <tr> <td rowspan="2">Vertical</td> <td>NS</td> <td>1100</td> <td>2.4</td> <td>-</td> <td></td> </tr> <tr> <td>EW</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> | | A | T. | ε:1 | $\frac{r}{T_0^2}$ | Bifilar | NS | 300 | 9 | 3.6 | 0.007 | EW | 80 | 14 | 5 | 0.002 | Vertical | NS | 1100 | 2.4 | - | | EW | | | | |
| | A | T. | ε:1 | $\frac{r}{T_0^2}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bifilar | NS | 300 | 9 | 3.6 | 0.007 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EW | 80 | 14 | 5 | 0.002 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vertical | NS | 1100 | 2.4 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | EW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 630 | 16 | iP M M M M | 1 12 13 16 00 17 05 18 05 21 00 | | 7 6 8 7 | 6 | +2.5 +3 +2.5 +2.5 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 631 | 16 | iP F | 1 12 19 2 Ca - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 632 | 17 | eP S M F | 9 50 11 51 32 52 35 10 Ca - | | 6 | | -3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 633 | 19 | iP | 5 50 02 | 0.3 | | | 6 | | Local | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 634 | 20 | eP F | 1 15 18 2 Ca - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 635 | 20 | eP i i i L M M M M F | 11 22 18 23 36 24 00 33 27 51 00 55 43 57 20 15 00 25 02 20 15 04 05 15 16 Ca - | | 6 8 | 22 22 | +4 -6 -19 -20 -88 | +20 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 636 | 21 | iP M M F | 1 21 36 22 00 22 06 35 - | 1.5 2 | | | -7 -6 | | Vertical 22 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 637 | 21 | iP M F | 16 24 23 25 40 10 - | 4 | | | -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 638 | 21 | iP M F | 23 31 25 32 00 43 - | | | | | | Vertical 6 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 639 | 22 | iP F | 9 15 20 40 - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 640 | 24 | e | 1 08 00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 641 | 24 | iP i L M M M F | 14 00 34 00 57 02 17 02 32 02 50 04 00 30 - | | 5 8 11 | | +6.5 -5 6 | | Vertical 10 mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 642 | 25 | iP (S) L M | 4 19 14 57 19 5 04 00 08 30 | | 15 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Nº 643-656

JHS.



From the ISC collection scanned by SISMOS

BOLETIN DE LA ESTACION SISMOLÓGICA

DEL COLEGIO DE SAN CALIXTO (PP. Jesuitas) - LA PAZ - (Bolivia)

Longitud W. Greenwich 68° 9' 10"
 Latitud S. 16° 29' 43"
 Altura sobre el mar 3,700 m.

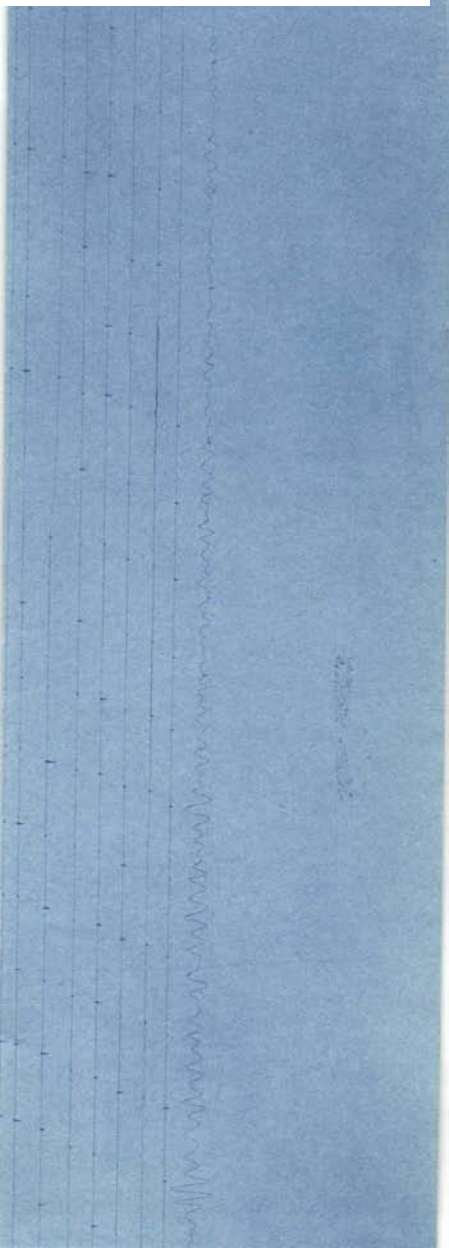
Mes de *Diciembre 1914*

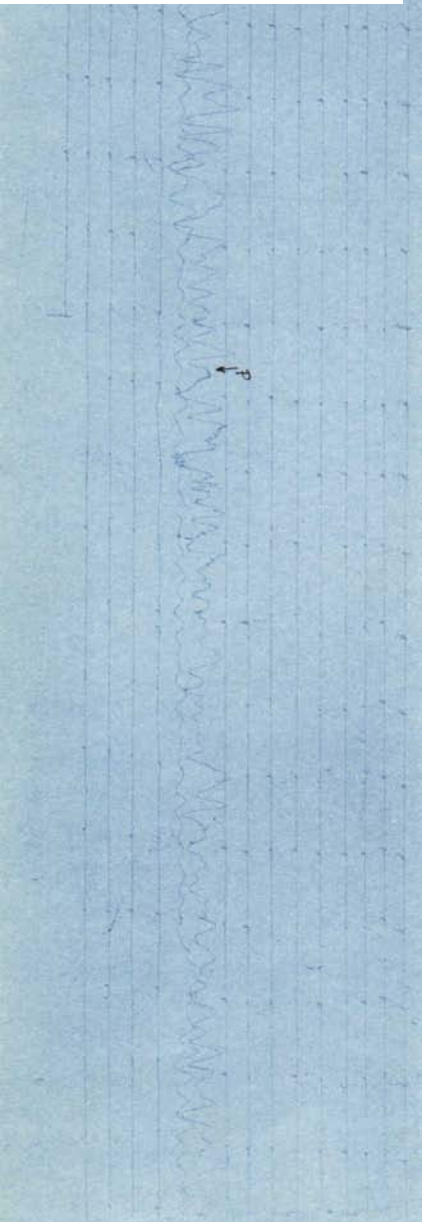
Instrumentos: Péndulos horizontales: Bifilar NS (masa 2,000 kgs.), Bifilar EW (masa 450 kgs.)
 Péndulo: Vertical San Calixto NS y EW (masa 1,500 kgs.)

MP. VELARDE LA PAZ.

| Nº | Día | Fases | HORA | | Período | | Amplitud verdadera | | Distancia | NOTAS | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|------|-------------------------|-------------------|-------------------|---------|-----|--------------------|----|-----------------------------|--|--|---|----|-----|-------------------|------------|-----|---|-----|-------|------------|----|----|---|-------|-------------|------|-----|---|--|-------------|--|--|--|--|
| | | | Hora de Greenwich | | NS | EW | AN | AE | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 643 | 25 | eP F | 18 36 | 44 | S | S | μ | μ | Kms. | CONSTANTES DEL MES <table border="1"> <thead> <tr> <th></th> <th>A</th> <th>T.</th> <th>ε:1</th> <th>$\frac{r}{T_0^2}$</th> </tr> </thead> <tbody> <tr> <td>Bifilar NS</td> <td>300</td> <td>9</td> <td>3.6</td> <td>0.007</td> </tr> <tr> <td>Bifilar EW</td> <td>80</td> <td>14</td> <td>5</td> <td>0.002</td> </tr> <tr> <td>Vertical NS</td> <td>1100</td> <td>2.4</td> <td>-</td> <td></td> </tr> <tr> <td>Vertical EW</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | A | T. | ε:1 | $\frac{r}{T_0^2}$ | Bifilar NS | 300 | 9 | 3.6 | 0.007 | Bifilar EW | 80 | 14 | 5 | 0.002 | Vertical NS | 1100 | 2.4 | - | | Vertical EW | | | | |
| | A | T. | ε:1 | $\frac{r}{T_0^2}$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bifilar NS | 300 | 9 | 3.6 | 0.007 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bifilar EW | 80 | 14 | 5 | 0.002 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vertical NS | 1100 | 2.4 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vertical EW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 644 | 26 | eP | 7 53 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 645 | 26 | (P) iP M M | 8 01 | 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 05 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 07 24 | | 13 | 13 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 08 05 | | 13 | 13 | 3 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 646 | 26 | iP M F | 8 55 | 00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 9 01 | 10 | 10 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 15 - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 647 | 27 | e | 6 06 | 00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 648 | 27 | eP iP L M F | 7 33 | 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 34 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 46 00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 48 11 | | 16 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 2 2 | | | | | | Parosismos- | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 649 | 28 | iP L F | 1 28 | 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 29 24 | | 2 | | +1 | | Vertical 10 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 35 - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 650 | 28 | iP L M F | 18 19 | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 50 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 50 17 | | 0.4 | | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 19 Ca - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 651 | 28 | eP F | 21 35 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 50 - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 652 | 29 | iP L M M F | 7 51 | 54 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 52 21 | | | | | | Vertical 15 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 52 19 | | 1 | | -80 | | Vertic - >120 ^{mm} | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 52 25 | | 1 | 2.5 | -72 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 8 20 - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 653 | 29 | iP L M F | 13 42 | 00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 45 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 45 33 | | 5 | | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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P. M. Descotes S/





Macrosismes Américains.

Note. Sauf avis contraire, les heures sont données en temps moyen de Greenwich.

12 Janvier 1914. A 6^h 51 une forte secousse du degré VI R.F. d'environ 50 secondes fut ressentie à Lima qui produisit une vive alarme dans la ville, renversant grande quantité de vaisselle dans les maisons. Selon Mr. Fr. Remy, directeur de l'observatoire "Unanue", la direction fut N.S. et la secousse fut sentie jusqu'à Chiclayo dans le Nord du Pérou. Le tremblement correspond au n° 14 de notre bulletin.

16 Janvier. A 15^h 43^m une autre secousse de courte durée et du degré III R.F. fut sentie à Lima. (Fr. Remy, directeur "Unanue".)

28 Janvier. Dans la matinée du 28 une violente secousse a été sentie à Mendoza (Argentine) produisant une vraie panique parmi les habitants qui s'enfuirent aux places publiques. On signale de grands dégâts dans les magasins d'objets de verre et de porcelaine. ("Unión" Santiago de Chile, 28 janv.)

30 Janvier. A 3^h 30^m il se produisit un tremblement de terre destructeur au Sud de Santiago, Chili. A Santiago le commencement fut enregistré à l'observatoire sismologique à 22^h 41^m 52^s (heure locale) du 29, et le tremblement produisit un fort balancement des objets suspendus, arrêt des pendules, chute d'objets, fort craquement des maisons et un peu d'alarme dans la ville. De l'étude des sismogrammes et de la direction S.S.O. Mr. le Comte de Montessus de Ballore conclut que l'épicentre se trouve à environ 270 kilom. de Santiago, dans la région Lico-Curepto-Putu.

A Calca à peu près toutes les maisons eurent de sérieuses avaries et plusieurs furent en partie détruites. Quatre ou cinq personnes trouvèrent la mort sous les décombres et les blessés sont nombreux. Plusieurs bâtiments publics durent être démolis les jours suivants à cause des graves avaries causées par le tremblement. La ville de Curepto eut énormément à souffrir, beaucoup de maisons furent détruites, et de nombreuses secousses se succédèrent pendant tout le jour suivant.

Dans le département de Vichuquen plusieurs villages furent complètement détruits. ~ A Curico plusieurs bâtiments eurent des avaries considérables, chutes de pans de murs, de plafonds, etc.

A Valparaiso le mouvement fut très violent et les habitants pris de panique craignant le retour d'un désastre comme celui de 1906, s'enfuirent des maisons pour gagner les rues et les places. On ne signale cependant pas de dégâts importants ni d'accidents. ~ A Chillan le mouvement fut aussi très fort, ainsi qu'à Concepcion, San Felipe sans cependant causer de grands dégâts. ~ A Puerto Montt on ne sentit qu'un léger mouvement. ~ Une autre secousse très forte se produisit à 7^h 30^m venant du même foyer et qui fut ressentie à Santiago, Valparaiso, etc. D'autres secousses furent également ressenties à Santiago à 4^h 20^m, à 10^h, etc.

Les deux principaux tremblements furent enregistrés à La Paz (2080 kilom.) à 3^h 40^m 24^s et 7^h 39^m 58^s respectivement (num. 30 et 31 du bulletin) où l'amplitude vraie maxima atteint 650 micras.

30 Janvier. A 7^h 20^m une légère secousse a été ressentie à Lima.