

# BOLLETTINO

## Meteorologico e Geodinamico

dell'Osservatorio del Real Collegio Carlo Alberto

MONCALIERI

### OSSERVAZIONI SISMICHE

POSIZIONE  
GEOGRAFICA { Longitudine Est da Greenwich: 7° 41' 43"  
                  { Latitudine Boreale: 44° 59' 52"  
                  { Altitudine (Pendoli orizzontali) 238 m.

#### COSTANTI STRUMENTALI.

| Pendoli orizzontali "Stiattesi,,. |           | Pendolo verticale.         |          |
|-----------------------------------|-----------|----------------------------|----------|
| Massa pendolare . . . . .         | Kg. 260   | Massa pendolare . . . . .  | Kg. 650  |
| Periodo completo-Comp. N. . . . . | sec. 19,4 | Periodo completo . . . . . | sec. 3,2 |
| > E. . . . .                      | > 20,3    | Ingrandimento . . . . .    | 1:50     |
| Ingrandimento . . . . .           | 1:25      | Velocità oraria . . . . .  | cm. 100  |
| Velocità oraria . . . . .         | cm. 100   |                            |          |

Registrazione su carta affumicata.  
Le ore sono contate in T. m. E. C.

#### ABBREVIAZIONI.

- P. = Primi tremiti preliminari.
- S. = Secondi
- L. = Onde lente.
- MN. = Massimo - Componente N.
- ME. = " " " E.
- F. = Fine.
- e. = Emersio.
- i. = Impetus.
- Per. = Periodo completo in secondi.
- Amp. = Semi ampiezza in millim.
- O. = Pendoli orizzontali.
- V. = Pendolo verticale.



## Gennaio 1914.

## Febbraio 1914.

| Numero | Data    | Fase                                 | Ora   | Per.                                      | Amp.                                      | OSSERVAZIONI  |
|--------|---------|--------------------------------------|---|---|---|---|
|        | Gennaio |                                      | H. m. s.  |   |   |   |
| 1      | 3       | eL.<br>F.                            | 9.11.18<br>9.21.58  | 14.0<br>---                               | ---<br>---                                |   |
| 2      | 3       | eP?<br>eS.<br>eL.<br>F.              | 10.25.13<br>10.37.18<br>10.44.40<br>11.46.0                         | ---<br>---<br>25.0<br>---                 | ---<br>---<br>---<br>---                  |   |
| 3      | 3       | e<br>eL.<br>MN.<br>F.                | 20.05.2<br>20.20.7<br>20.22.53<br>21.21.0                           | ---<br>18.0<br>---<br>---                 | ---<br>---<br>0.9<br>---                  |   |
| 4      | 12      | eP.<br>S.<br>L.<br>MN.<br>ME.<br>F.  | 10.39.34<br>10.52.32<br>11.10.27<br>11.27.5<br>11.22.10<br>12.19.50 | ---<br>---<br>25.0<br>---<br>---<br>---   | ---<br>---<br>---<br>4.0<br>9.5<br>---    |   |
| 5      | 15      | eP?<br>eS.<br>L.<br>F.               | 21.14.14<br>19.22.19<br>21.29.13<br>22.35.0                         | ---<br>---<br>19.5<br>---                 | ---<br>---<br>---<br>---                  |   |
| 6      | 20      | iP.<br>iS.<br>L.<br>MN.<br>ME.<br>F. | 13.12.29<br>13.22.28<br>13.39.41<br>13.53.33<br>13.53.13<br>15.0.0  | ---<br>---<br>23-32<br>---<br>---<br>---  | ---<br>---<br>---<br>7.5<br>5.0<br>---    |   |
| 7      | 20      | e.<br>L.<br>MN.<br>ME.<br>F.         | 19.42.9<br>19.49.51<br>19.53.3<br>19.53.53<br>20.15.0               | ---<br>---<br>---<br>---<br>---           | ---<br>---<br>1.5<br>0.9<br>---           |   |
| 8      | 26,27   | eP?<br>S?<br>L.<br>F.                | 23.44.0 *1<br>0.03.6<br>0.28.23<br>1.15                             | ---<br>---<br>26.5<br>---                 | ---<br>---<br>---<br>---                  | *1 L'inizio delle fasi non è sicuro per cattivo funzionamento del cronografo. |
| 9      | 30      | eP.<br>iS.<br>L.<br>MN.<br>ME.<br>F. | 4.54.41<br>5.4.19<br>5.24.41<br>5.36. ? *2<br>5.42.38<br>9.0.0      | ---<br>---<br>35.0<br>21.0<br>21.0<br>--- | ---<br>---<br>---<br>82.0<br>100.0<br>--- | *2 Difettosa segnalazione del cronografo.                                     |
| 10     | 30      | iP?<br>L.<br>MN.<br>ME.<br>F.        | 9.1.50 *3<br>9.26.29<br>9.39. ?*2<br>9.41.58<br>11.15.0             | ---<br>---<br>21.0<br>21.0<br>21.0<br>--- | ---<br>---<br>---<br>4.0<br>3.5<br>---    | *3 Traccia molto confusa.   |

| Numero | Data     | Fase   | Ora   | Per.  | Amp.   | OSSERVAZIONI                   |
|--------|----------|--|---|---|--|--------------------------------|
|        | Febbraio |  | H. m. s.  |   |  |                                |
| 11     | 1        | eP?<br>eL.<br>MN.<br>ME.<br>F.   | 19.16.24<br>30. *1<br>46.9<br>46.59<br>20.11.0                        | ---<br>18.0<br>---<br>---<br>---                          | ---<br>---<br>1.2<br>1.2<br>---                      | *1 Cade nel taglio della zona. |
| 12     | 6        | eP.<br>iS.<br>L.<br>F.   | 12.50.43<br>57.28<br>13.3.31<br>40.0                                  | ---<br>---<br>16.0<br>---                                 | ---<br>---<br>---<br>---                             |                                |
| 13     | 7        | eP?<br>eS.<br>L.<br>MN.<br>ME.<br>F.   | 8.1.36<br>11.47<br>26.48<br>42.34<br>42.14<br>9.20.                   | ---<br>---<br>19.0<br>---<br>---<br>---                   | ---<br>---<br>---<br>1.0<br>1.0<br>---               |                                |
| 14     | 7        | eL.<br>MN.<br>ME.<br>F.  | 16.40.54<br>41.44<br>42.29<br>49.0                                    | ---<br>---<br>---<br>---                                  | ---<br>0.5<br>0.3<br>---                             |                                |
| 15     | 10       | iP?<br>F.<br>e.<br>i.<br>F.  | 12.34.58<br>51.0<br>12.34.24<br>35.11<br>13.25.10                     | ---<br>---<br>---<br>18.0<br>---                          | ---<br>---<br>---<br>0.5<br>---                      | V.<br>O.                       |
| 16     | 10       | eP?<br>S?<br>F.  | 14.11.18<br>16.33<br>57.0   | ---<br>---<br>---   | ---<br>---<br>---                                    |                                |
| 17     | 10       | eL.<br>F.  | 17.45.20<br>18.25.0   | 16.0<br>---   | ---<br>---   |                                |
| 18     | 12       | eP?<br>S.<br>L.<br>ME.<br>F.   | 20.2.18<br>10.20<br>18.27<br>25.40<br>? ? ?                           | ---<br>---<br>18.0<br>---<br>---                          | ---<br>---<br>---<br>0.7<br>---                      |                                |
| 19     | 15       | L.<br>F.   | 2.51.25<br>3.30.0   | 19.5<br>---   | ---<br>---   |                                |
| 20     | 26       | eP.<br>iS.<br>L.<br>M <sub>1</sub> N.<br>M <sub>1</sub> E.<br>M <sub>2</sub> N.<br>M <sub>2</sub> E.<br>F. | 6.11.37<br>21.44<br>30.44<br>23.15<br>24.50<br>39.5<br>55.35<br>8.6.0 | ---<br>---<br>32.0<br>21.0<br>18.0<br>25.0<br>23.0<br>--- | ---<br>---<br>---<br>3.7<br>7.0<br>3.0<br>4.0<br>--- |                                |
| 21     | 27       | eP?<br>eL.<br>F.   | 5.6.15<br>34.24<br>55.0   | ---<br>21.0<br>---  | ---<br>---<br>---                                    |                                |



Febbraio - Marzo 1914.

| Numero | Data        | Fase                                  | Ora  | Per.                                    | Amp.                                   | OSSERVAZIONI                               |
|--------|-------------|---------------------------------------|--|---|--|--|
|        |             |                                       | H. m. s.   |   |  |  |
| 22     | Febbraio 28 | eL.<br>F.                             | 5.37. 6<br>6. 7. 0   | ---<br>---                              | ---<br>---                             |  |
| 23     | 28          | eP?<br>S.<br>L.<br>F.                 | 6.10.19<br>23.50<br>33. 6<br>7.35. 0                                 | ---<br>---<br>23.0<br>---               | ---<br>---<br>---<br>---               |  |
|        | Marzo       |                                       |  |   |  |  |
| 24     | 4           | L.<br>F.                              | 10.11. 6<br>10.25. 0   | 18.0<br>---                             | ---<br>---                             |  |
| 25     | 4           | e.<br>S.<br>eL.<br>Mx.<br>F.          | 16.45. 0<br>17. 3. 4<br>17.19.21<br>18. 2.12<br>? ? ? *              | ---<br>---<br>22.0<br>---<br>---        | ---<br>---<br>---<br>1.0<br>---        | *1 Cade durante il cambiamento della zona. |
| 26     | 4           | eP.?<br>S.<br>L.<br>Mx.<br>Me.<br>F.  | 19.55.28<br>20.11. 9<br>20.25. 2<br>20.56. 7<br>20.45.52<br>22. e.   | ---<br>---<br>18.0<br>---<br>---<br>--- | ---<br>---<br>---<br>0.7<br>0.4<br>--- |  |
| 27     | 5           | iP.<br>eS.<br>iL.<br>Mx.<br>Me.<br>F. | 19. 2.54<br>19. 7.50<br>19.12. 8<br>19.13.34<br>19.17. 0<br>19.30. 0 | ---<br>---<br>21.0<br>---<br>---<br>--- | ---<br>---<br>---<br>0.5<br>0.8<br>--- |  |
| 28     | 6           | eP.<br>eS.<br>eL.<br>Mx.<br>Me.<br>F. | 20.10.58<br>20.23.52<br>20.44.26<br>21. 0.22<br>20.55. 7<br>? ? ?    | ---<br>---<br>25.0<br>---<br>---<br>--- | ---<br>---<br>---<br>3.5<br>6.0<br>--- |  |
| 29     | 6           | eP?<br>iS.<br>iL.<br>F.               | 21.55.57<br>22. 8. 1<br>22.20.32<br>23. 7. 0                         | ---<br>---<br>18.0<br>---               | ---<br>---<br>---<br>---               |  |
| 30     | 13          | eL.<br>F.                             | 5. 2.12<br>5.57.25   | 20.0<br>---                             | 20.0<br>---                            |  |
| 31     | 13          | e.<br>eL.<br>F.                       | 6.28.13<br>6.30.35<br>6.48. 0  | ---<br>18.0<br>---                      | ---<br>---<br>---                      |  |
| 32     | 13          | eP?<br>eS.<br>iL.<br>F.               | 16.25. 6<br>16.36.28<br>16.50.14<br>18.40. 0                         | ---<br>---<br>18.0<br>---               | ---<br>---<br>---<br>---               |  |

Dr. G. PENTA, Direttore.  
N. N. Assistente.

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### OSSERVAZIONI SISMICHE

POSIZIONE GEOGRAFICA { Longitudine Est da Greenwich: 7° 41' 43"  
 Latitudine Boreale: 44° 59' 52"  
 Altitudine (Pendoli orizzontali) 238 m.

#### COSTANTI STRUMENTALI.

| Pendoli orizzontali "Stiattesi,,  |           | Pendolo verticale.         |          |
|-----------------------------------|-----------|----------------------------|----------|
| Massa pendolare . . . . .         | Kg. 260   | Massa pendolare . . . . .  | Kg. 650  |
| Periodo completo-Comp. N. . . . . | sec. 19,4 | Periodo completo . . . . . | sec. 3,2 |
| » » E. . . . .                    | » 20,3    | Ingrandimento . . . . .    | » 1:50   |
| Ingrandimento . . . . .           | » 1:25    | Velocità oraria . . . . .  | cm. 100  |
| Velocità oraria . . . . .         | cm. 100   |                            |          |

Registrazione su carta affumicata.  
Le ore sono contate in T. m. E. C.

#### ABBREVIAZIONI.

- P. = Primi tremiti preliminari.
- S. = Secondi
- L. = Onde lente.
- MN. = Massimo - Componente N.
- ME. = » » E.
- F. = Fine.
- e. = Emersio.
- i. = Impetus.
- Per. = Periodo completo in secondi.
- Amp. = Semi ampiezza in millim.
- O. = Pendoli orizzontali.
- V. = Pendolo verticale.



Marzo 1914.



Marzo - Aprile 1914.

| Numero | Data  | Fase                                  | Ora  | Per.                                      | Amp.                                     | OSSERVAZIONI  |
|--------|-------|---------------------------------------|--|---|--|---|
|        | Marzo |                                       | H. m. s.   |   |  |   |
| 33     | 14    | iP.<br>iS.<br>L.<br>MN.<br>ME.<br>F.  | 21.12.29<br>21.23. 1<br>21.32.28<br>21.52.35<br>21.48.50<br>23.19. 0 | ---<br>---<br>23.0<br>21.0<br>20.0<br>--- | ---<br>---<br>---<br>10.0<br>13.5<br>--- |   |
| 34     | 15    | e.<br>L.<br>F.                        | 22. 9.16<br>22.12.31<br>22.30. 0                                     | ---<br>14.0<br>---                        | ---<br>---<br>---                        |   |
| 35     | 16    | e.<br>S.<br>L.<br>F.                  | 21.17.51<br>21.23.31<br>21.30.16<br>21.51. 0                         | ---<br>---<br>18.0<br>---                 | ---<br>---<br>---<br>---                 |   |
| 36     | 17    | i.<br>eS.<br>eL.<br>F.                | 0. 8. 7<br>0.14.48<br>0.19.46<br>0.54. 0                             | ---<br>---<br>16.0<br>---                 | ---<br>---<br>---<br>---                 | Da circa ore 9 a ore 20 del 17 forti perturbazioni causate dal vento. |
| 37     | 17    | eP?<br>L.<br>F.                       | 3.11.25<br>3.21.48<br>4.18. 0  | ---<br>18.0<br>---                        | ---<br>---<br>---                        |   |
| 38     | 18    | iP.<br>iS.<br>eL.<br>MN.<br>ME.<br>F. | 5.32. 8<br>5.41.47<br>5.50.54<br>6.12. 5<br>6.10.55<br>7.25. 0       | ---<br>---<br>21.0<br>---<br>---<br>---   | ---<br>---<br>---<br>3.0<br>3.5<br>---   |   |
| 39     | 18    | P.<br>eS?<br>L.<br>MN.<br>ME.<br>F.   | 7.28.29<br>7.38.48<br>7.50. 9<br>8. 8.25<br>8. 7.55<br>8.55. 0       | ---<br>---<br>18.0<br>---<br>---<br>---   | ---<br>---<br>---<br>2.5<br>3.5<br>---   |   |
| 40     | 21    | eL.<br>F.                             | 0.36. 8<br>1. 0. 0   | 18.0<br>---                               | ---<br>---                               |   |
| 41     | 21    | eL.<br>F.                             | 14.17. 7<br>15.20. 0   | 18.0<br>---                               | ---<br>---                               |   |
| 42     | 21    | L.<br>F.                              | 21.43.24<br>21.55. 0   | 18.0<br>---                               | ---<br>---                               |   |
| 43     | 22    | eL.<br>F.                             | 22.38.10<br>23. 3. 0   | 14.0<br>---                               | ---<br>---                               |   |
| 44     | 23    | eP?<br>S?<br>L.<br>F.                 | 4.33.13<br>4.49. 8<br>5.23.38<br>6.32. 0                             | ---<br>---<br>19.0<br>---                 | ---<br>---<br>---<br>---                 |   |
| 45     | 24    | e.<br>F.                              | 2.55. 1<br>3.15. 0   | ---<br>---                                | ---<br>---                               |   |

| Numero | Data       | Fase  | Osa  | Per.  | Amp.  | OSSERVAZIONI   |
|--------|------------|---|--|---|---|--|
|        | Marzo      |   | H. m. s.   |   |   |  |
| 46     | 24         | P.<br>eL.<br>F.   | 20. 0. 0<br>20.11.27<br>20.25. 0   | ---<br>25.0<br>---  | ---<br>---<br>---   |  |
| 47     | 27         | iP?<br>iS?<br>L.<br>MN.<br>ME.<br>F.  | 2. 3.18 *1<br>2.13. 0<br>2.28.51<br>2.54.36<br>2.46.20<br>? ? ?  | ---<br>---<br>25.0<br>---<br>---<br>---   | ---<br>---<br>---<br>1.5<br>2.0<br>---  | *1 Le ampie pulsazioni non lasciano determinare con sicurezza l'inizio delle varie fasi. |
| 48     | 28         | e.<br>S.<br>L.<br>MN.<br>ME.<br>F.  | 12. 5. 8<br>12.13. 5<br>12.22.31<br>12.30.50<br>12.27.30<br>13.20. 0   | ---<br>---<br>25.0<br>---<br>---<br>---   | ---<br>---<br>---<br>1.5<br>1.0<br>---  |  |
| 49     | 30         | iP.<br>iS.<br>L.<br>MN.<br>ME.<br>F.  | 1.53.56<br>2. 4.19<br>2.20.25<br>2.32.11<br>2.33.30<br>5. 5. 0   | ---<br>18.0<br>25.0<br>---<br>---<br>---  | ---<br>7.0<br>---<br>9.0<br>27.0<br>---   |  |
| 50     | Aprile 8/9 | eL.<br>MN.<br>ME.<br>F.   | 23.38. 0<br>23.51. 9<br>23.58.24<br>0. 5. 0  | 16.0<br>---<br>---<br>---   | ---<br>0.3<br>0.3<br>---  |  |
| 51     | 9          | eP?<br>S?<br>L.<br>MN.<br>ME.<br>F.   | 5. 8.20<br>5.18.58<br>5.49.28<br>6. 8.54<br>6.13.24<br>7. 0. 0   | ---<br>---<br>32.0<br>---<br>---<br>---   | ---<br>---<br>---<br>1.5<br>0.7<br>---  |  |
| 52     | 11         | iP.<br>S.<br>L.<br>M <sub>1</sub> E.<br>M <sub>1</sub> N.<br>M <sub>2</sub> E.<br>M <sub>2</sub> N.<br>M <sub>3</sub> E.<br>M <sub>3</sub> N.<br>M <sub>4</sub> E.<br>M <sub>4</sub> N.<br>M <sub>5</sub> E.<br>M <sub>5</sub> N.<br>F. | 17.49.42<br>18. 4.52<br>18.25.42<br>18.46.17<br>18.49.22<br>18.48.42<br>18.52.57<br>18.59. 7<br>18.58.47<br>19. 6. 2<br>19. 1.42<br>19.11.22<br>19.21.42<br>21.20. 0 | ---<br>---<br>25.0<br>21.0<br>21.0<br>16.0<br>23.0<br>21.0<br>26.0<br>21.0<br>26.0<br>21.0<br>26.0<br>--- | ---<br>---<br>---<br>11.0<br>10.0<br>12.0<br>8.0<br>11.0<br>7.0<br>10.0<br>6.0<br>5.0<br>4.5<br>--- |  |



| Numero | Data      | Fase | Ora      | Per. | Amp. | OSSERVAZIONI |
|--------|-----------|------|----------|------|------|--------------|
|        |           |      | H. m. s. |      |      |              |
| 53     | Aprile 15 | P?   | 6.13.50  | ---  | ---  |              |
|        |           | S.   | 6.22.40  | ---  | ---  |              |
|        |           | L.   | 6.30. 0  | 18.0 | ---  |              |
|        |           | M.   | 6.44.37  | ---  | 0.5  |              |
|        |           | F.   | 7.20. 0  | ---  | ---  |              |
| 54     | 20        | iP.  | 14.42.29 | ---  | ---  |              |
|        |           | iS.  | 14.52.54 | ---  | ---  |              |
|        |           | iL.  | 15. 2.11 | 25.0 | ---  |              |
|        |           | MN.  | 15.23. 4 | ---  | 3.5  |              |
|        |           | ME.  | 15.20.49 | ---  | 3.5  |              |
|        |           | F.   | 18. 0. 0 | ---  | ---  |              |
| 55     | 23        | eP?  | 18.36. 8 | ---  | ---  |              |
|        |           | L.   | 19. 0.29 | 18.0 | ---  |              |
|        |           | F.   | 19.40. 0 | ---  | ---  |              |
| 56     | 24        | P?   | 9.53.49  | ---  | ---  |              |
|        |           | eS?  | 10. 2.10 | ---  | ---  |              |
|        |           | eL.  | 10.11.35 | 18.0 | ---  |              |
|        |           | M.   | 10.20.45 | ---  | 0.4  |              |
|        |           | F.   | 10.43. 0 | ---  | ---  |              |
| 57     | 25        | e.   | 9.38. 7  | ---  | ---  |              |
|        |           | L.   | 10. 1.40 | 18.0 | ---  |              |
|        |           | F.   | 10.57. 0 | ---  | ---  |              |
| 58     | 25        | e.   | 20.34.16 | ---  | ---  |              |
|        |           | iS?  | 20.48.56 | ---  | ---  |              |
|        |           | eL.  | 21. 3.18 | 18.0 | ---  |              |
|        |           | MN.  | 21. 6.46 | ---  | 0.3  |              |
|        |           | F?   | 21.30. 0 | ---  | ---  |              |
| 59     | 25        | eP?  | 21.35. 8 | ---  | ---  |              |
|        |           | iS?  | 21.51.33 | ---  | ---  |              |
|        |           | L.   | 22. 6.25 | 16.0 | ---  |              |
|        |           | F.   | 22.50. 0 | ---  | ---  |              |
| 60     | 28        | e.   | 13.14. 2 | ---  | ---  |              |
|        |           | S?   | 13.19.41 | ---  | ---  |              |
|        |           | L.   | 13.25.35 | 21.0 | ---  |              |
|        |           | MN.  | 13.34.25 | ---  | 0.9  |              |
|        |           | ME.  | 13.34.15 | ---  | 1.0  |              |
|        |           | F.   | 13.52. 0 | ---  | ---  |              |
| 61     | 29        | e.   | 8. 1.12  | ---  | ---  |              |
|        |           | F.   | 8.18. 0  | ---  | ---  |              |
| 62     | 29        | L.   | 16.54.50 | 18.0 | ---  |              |
|        |           | F.   | 17.26. 0 | ---  | ---  |              |

Dr. G. PENTA, Direttore.  
N. N. Assistente.

# BOLLETTINO

## Meteorologico e Geodinamico

dell'Osservatorio del Real Collegio Carlo Alberto

MONCALIERI

### OSSERVAZIONI SISMICHE

POSIZIONE GEOGRAFICA { Longitudine Est da Greenwich: 7° 41' 43"  
 { Latitudine Boreale: 44° 59' 52"  
 { Altitudine (Pendoli orizzontali) 238 m.

#### COSTANTI STRUMENTALI.

| Pendoli orizzontali "Stiattesi", |           | Pendolo verticale. |          |
|----------------------------------|-----------|--------------------|----------|
| Massa pendolare                  | Kg. 260   | Massa pendolare    | Kg. 650  |
| Periodo completo - Comp. N.      | sec. 19,4 | Periodo completo   | sec. 3,2 |
|                                  | E. 20,3   | Ingrandimento      | 1:50     |
| Ingrandimento                    | 1:25      | Velocità oraria    | cm. 100  |
| Velocità oraria                  | cm. 100   |                    |          |

Registrazione su carta affumicata.  
Le ore sono contate in T. m. E. C.

#### ABBREVIAZIONI.

- P. = Primi tremiti preliminari.
- S. = Secondi
- L. = Onde lente.
- MN. = Massimo - Componente N.
- ME. = " " " " E.
- F. = Fine.
- e. = Emergio.
- i. = Impetus.
- Per. = Periodo completo in secondi.
- Amp. = Semi ampiezza in millim.
- O. = Pendoli orizzontali.
- V. = Pendolo verticale.



Maggio 1914.

| Numero | Data   | Fase                                | Ora  | Per.                                    | Amp.                                   | OSSERVAZIONI   |
|--------|--------|-------------------------------------|--|---|--|--|
|        | Maggio |                                     | H. m. s.   |   |  |  |
| 63     | 1      | e.<br>L.<br>F.                      | 7. 9.22<br>7.45. 2<br>8.52. -  | ---<br>21.0<br>---                      | ---<br>---<br>---                      |  |
| 64     | 6      | eL. <sup>*1</sup><br>ME.<br>F.      | 1. 7.56<br>1.15.56<br>1.30. -  | 28.0<br>---<br>---                      | ---<br>1.0<br>---                      | <sup>*1</sup> Da ore 11,45 c. a ore 15 si hanno vari gruppi di onde lente. |
| 65     | 8      | L.<br>F.                            | 14.10.30<br>15.22. -   | 21.0<br>---                             | ---<br>---                             |  |
| 66     | 8      | eP.<br>S.<br>L.<br>MN.<br>ME.<br>F. | 19. 3.31<br>19. 5.25<br>19. 6.56<br>19.10.40<br>19. 9.20<br>19.30. - | ---<br>---<br>18.0<br>---<br>---<br>--- | ---<br>---<br>---<br>0.9<br>1.1<br>--- |  |
| 67     | 9      | e.<br>L.<br>F.                      | 2.12.53<br>2.33.21<br>Incerta  | ---<br>---<br>---                       | ---<br>---<br>---                      |  |
| 68     | 10     | L.<br>F.                            | 18. 3.21<br>18.22. -   | 18.0<br>---                             | ---<br>---                             |  |
| 69     | 13     | e.<br>eL.<br>F.                     | 3.40.57<br>3.51.37<br>4. 8. -  | ---<br>18.0<br>---                      | ---<br>---<br>---                      |  |
| 70     | 15     | e.<br>eL.<br>MN.<br>F.              | 3. 1.40<br>3.23. 4<br>3.34. 3<br>4.25. -                             | ---<br>19.0<br>---<br>---               | ---<br>---<br>0.3<br>---               |  |
| 71     | 15     | L.<br>MN.<br>F.                     | 21.44.56<br>21.52.27<br>22.21. -                                     | ---<br>---<br>---                       | ---<br>---<br>---                      |  |
| 72     | 16     | L.<br>MN.<br>F.                     | 1.38. 5<br>1.55.51<br>2.26. -  | 18.0<br>---<br>---                      | ---<br>0.8<br>---                      |  |
| 73     | 16     | P?<br>L.<br>MN.<br>F.               | 19.57.58<br>20. 2.54<br>20. 4.34<br>20.12. -                         | ---<br>16.0<br>---<br>---               | ---<br>---<br>0.8<br>---               |  |
| 74     | 17     | e.<br>L.<br>MN.<br>F.               | 19.38. 3<br>19.49.35<br>20. 0. 4<br>20. 5. -                         | ---<br>14.0<br>---<br>---               | ---<br>---<br>0.3<br>---               |  |
| 75     | 18     | P.<br>L.<br>MN.<br>ME.<br>F.        | 11.34.44<br>11.53.23<br>11.59. 0<br>12. 0.28<br>12.18. -             | ---<br>23.0<br>---<br>---<br>---        | ---<br>---<br>1.0<br>1.3<br>---        |  |

Maggio 1914.

| Numero | Data   | Fase   | Ora  | Per.  | Amp.                                       | OSSERVAZIONI  |
|--------|--------|--|--|---|--|---|
|        | Maggio |  | H. m. s.   |   |  |   |
| 76     | 19     | P.<br>S.<br>L.<br>MN.<br>ME.<br>F.                 | 1. 3.43<br>1.15.16<br>1.34.44<br>2. 4.38<br>2. 3.11<br>3. 0. -       | ---<br>---<br>21.0<br>---<br>---<br>---             | ---<br>---<br>---<br>0.5<br>0.6<br>---     |   |
| 77     | 19     | P?<br>L.<br>MN.<br>ME.<br>F.                       | 6. 0.18<br>6.40. 0<br>7. 3. 0<br>7. 2. 5<br>? * <sup>2</sup>         | ---<br>18.0<br>---<br>---<br>---                    | ---<br>---<br>1.0<br>0.3<br>---            | <sup>*2</sup> Cade durante il cambiamento della zona.   |
| 78     | 19     | eP?<br>eL.<br>MN.<br>ME.<br>F.                     | 7.41. 2<br>8. 6. 0<br>8.20.35<br>8.18.50<br>9.5. -                   | ---<br>14.0<br>---<br>---<br>---                    | ---<br>---<br>0.5<br>0.2<br>---            |   |
| 79     | 21     | eP?<br>S.<br>L.<br>MN.<br>ME.<br>F.                | 9.35. 5<br>9.41.43<br>9.48.11<br>9.56. 0<br>10. 0. 0<br>10.45. -     | ---<br>---<br>18.0<br>---<br>---<br>---             | ---<br>---<br>---<br>0.9<br>0.7<br>---     |   |
| 80     | 24     | P.<br>S.<br>L.<br>MN.<br>ME.<br>F.                 | 17. 6. 5<br>17.13.49<br>17.19.50<br>17.33.23<br>17.30.25<br>18.47. - | ---<br>---<br>18-21<br>---<br>---<br>---            | ---<br>---<br>---<br>0.9<br>0.7<br>---     |   |
| 81     | 25     | e.<br>L.<br>F.                                     | 4.47.44<br>5. 3.13<br>5.40. -  | ---<br>14.0<br>---                                  | ---<br>---<br>---                          |   |
| 82     | 25     | eL.<br>F.  | 14.43.10<br>15.10. -   | ---<br>---  | ---<br>---                                 |   |
| 83     | 25     | e.<br>F.   | 15.42.26<br>16.20. -   | ---<br>---  | ---<br>---                                 |   |
| 84     | 26     | iP. <sup>*3</sup><br>iS?<br>L.<br>MN.<br>ME.<br>F. | 15.40.49<br>15.52.20<br>16. 2.51<br>16.36.20<br>16.36.40<br>20. 0. - | ---<br>---<br>21-42<br>---<br>* <sup>4</sup><br>--- | ---<br>---<br>---<br>85.0<br>< 72.0<br>--- | <sup>*3</sup> Traccia molto confusa.<br><br><sup>*4</sup> La penna varie volte viene sbalzata fuori della zona. |
| 85     | 26     | P?<br>S?<br>MN.<br>ME.<br>F.                       | 21.35. 3<br>21.35.43<br>21.36.44<br>21.37. 0<br>21.41. -             | ---<br>---<br>---<br>---<br>---                     | ---<br>---<br>0.6<br>1.0<br>---            | Pendolo verticale.  |



Maggio 1914.

| Numero | Data      | Fase              | Ora                    | Per.  | Amp.   | OSSERVAZIONI   |
|--------|-----------|-------------------|------------------------|-------|--------|--|
|        |           |                   | H. m. s.               |       |        |  |
| 86     | Maggio 28 | P.                | 4.35. 6                | ---   | ---    | A Pendolo verticale.   |
|        |           | S.                | 4.35.47                | ---   | ---    |  |
|        |           | M <sub>1</sub> N. | 4.37. 0                | ---   | 1.0    |  |
|        |           | M <sub>1</sub> E. | 4.36.46                | ---   | 0.6    |  |
|        |           | F.                | 4.41. -                | ---   | ---    |  |
| 87     | 28        | P.                | 4.36.11 <sup>*5</sup>  | ---   | ---    | <sup>*5</sup> Onde rapidissime.                                  |
|        |           | iS.               | 4.46.15                | ---   | ---    |  |
|        |           | L.                | 4.51.15                | 21.0  | ---    |  |
|        |           | M <sub>1</sub> N. | 5.10.35                | ---   | 1.5    |  |
|        |           | M <sub>1</sub> E. | 5. 8. 0                | ---   | 1.3    |  |
|        |           | F.                | 6.35. -                | ---   | ---    |  |
| 88     | 28        | P.                | 12.32.13               | ---   | ---    |  |
|        |           | S.                | 12.36.10               | ---   | ---    |  |
|        |           | L.                | 12.39.26               | 21.0  | ---    |  |
|        |           | M <sub>1</sub> N. | 12.41.15               | ---   | 3.5    |  |
|        |           | M <sub>1</sub> E. | 12.43.35               | ---   | 10.0   |  |
|        |           | F.                | 13.35. -               | ---   | ---    |  |
| 89     | 28        | P.                | 19.21.25               | ---   | ---    | <sup>*6</sup> Cade nel taglio della zona.                        |
|        |           | S.                | 19.30. ? <sup>*6</sup> | ---   | ---    |  |
|        |           | L.                | 19.38.49               | 19.5  | ---    |  |
|        |           | M <sub>1</sub> N. | 19.56. 0               | ---   | 0.7    |  |
|        |           | M <sub>1</sub> E. | 19.54.25               | ---   | 0.6    |  |
|        |           | F.                | 20.30. -               | ---   | ---    |  |
| 90     | 28        | eL.               | 20.35.24               | 18.0  | ---    |  |
|        |           | F.                | 21.25. -               | ---   | ---    |  |
| 91     | 29        | P. <sup>*7</sup>  | 6. 0.26                | ---   | ---    | <sup>*7</sup> Fino a circa ore 20 si hanno gruppi di onde lente. |
|        |           | S.                | 6.11. 5                | 21.0  | 4.0 N. |  |
|        |           | L.                | 6.20.57                | 28.   | ---    |  |
|        |           | M <sub>1</sub> N. | 6.39.45                | ---   | 4.5    |  |
|        |           | M <sub>1</sub> E. | 6.39. 0                | ---   | 2.5    |  |
|        |           | M <sub>2</sub> N. | 6.47. 3                | ---   | 5.0    |  |
|        |           | M <sub>2</sub> E. | 6.53. 0                | ---   | 4.2    |  |
|        |           | F.                | 9.15. -                | ---   | ---    |  |
| 92     | 31        | P.                | 15. 3.13               | ---   | ---    |  |
|        |           | S?                | 15.11.10               | ---   | ---    |  |
|        |           | L.                | 15.21.32               | 18.21 | ---    |  |
|        |           | M <sub>1</sub> N. | 15.27.20               | ---   | 0.5    |  |
|        |           | M <sub>1</sub> E. | 15.28.30               | ---   | 0.3    |  |
|        |           | F.                | 16. 2. 0               | ---   | ---    |  |

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MONCALIERI

## OSSERVAZIONI SISMICHE

POSIZIONE  
GEOGRAFICA

{ Longitudine Est da Greenwich: 7° 41' 43"  
{ Latitudine Boreale: 44° 59' 52"  
{ Altitudine (Pendoli orizzontali) 238 m.

### COSTANTI STRUMENTALI.

| Pendoli orizzontali "Stiattesi,,  |           | Pendolo verticale.         |          |
|-----------------------------------|-----------|----------------------------|----------|
| Massa pendolare . . . . .         | Kg. 260   | Massa pendolare . . . . .  | Kg. 650  |
| Periodo completo-Comp. N. . . . . | sec. 19,4 | Periodo completo . . . . . | sec. 3,2 |
| » » » E. . . . .                  | » 20,3    | Ingrandimento . . . . .    | 1:50     |
| Ingrandimento . . . . .           | 1:25      | Velocità oraria . . . . .  | cm. 100  |
| Velocità oraria . . . . .         | cm. 100   |                            |          |

Registrazione su carta affumicata.  
Le ore sono contate in T. m. E. C.

### ABBREVIAZIONI.

- P. = Primi tremiti preliminari.
- S. = Secondi
- L. = Onde lente.
- MN. = Massimo - Componente N.
- ME. = » » E.
- F. = Fine.
- o. = Emersio.
- i. = Impetus.
- Per. = Periodo completo in secondi.
- Amp. = Semi ampiezza in millim.
- O. = Pendoli orizzontali.
- V. = Pendolo verticale.



Giugno 1914.

| Numero | Data   | Fase                         | Ora  | Per.                             | Amp.                            | OSSERVAZIONI |
|--------|--------|------------------------------|--|----------------------------------|---------------------------------|--------------|
|        | Giugno |                              | H. m. s.   |                                  |                                 |              |
| 93     | 23     | e.<br>S?<br>eL.<br>MN.<br>F. | 22.54.14<br>23. 4.14<br>23.14.37<br>23.22.10<br>0.11. -  | ---<br>---<br>21.0<br>---<br>--- | ---<br>---<br>---<br>0.4<br>--- |              |
| 94     | 3      | eL.<br>F.                    | 8.36.11<br>9. 5. -                                       | 19.5<br>---                      | ---<br>---                      |              |
| 95     | 3      | L.<br>F.                     | 11.43.13<br>12. 4. -                                     | 18.0<br>---                      | ---<br>---                      |              |
| 96     | 3/4    | eL.<br>F.                    | 23.49.33<br>0.15. -                                      | 18.0<br>---                      | ---<br>---                      |              |
| 97     | 4      | e.<br>S?<br>L.<br>F.         | 5.34.51<br>5.57. 0<br>6.14.49<br>6.45. 0                 | ---<br>---<br>21.0<br>---        | ---<br>---<br>---<br>---        |              |
| 98     | 4      | e.<br>S?<br>eL.<br>F.        | 16.42.15<br>15.58.15<br>17.13.36<br>18. 0. -             | ---<br>---<br>18.0<br>---        | ---<br>---<br>---<br>---        |              |
| 99     | 7      | eP?<br>S.<br>L.<br>F.        | 17.50.31<br>17.54.14<br>17.56.41<br>18.20. -             | ---<br>---<br>14.0<br>---        | ---<br>---<br>---<br>---        |              |
| 100    | 8      | e.<br>L.<br>F.               | 10.47.13<br>11.18.17<br>12.16. -                         | ---<br>---<br>---                | ---<br>---<br>---               |              |
| 101    | 9      | eL.<br>F.                    | 5.22.38<br>6.32. -                                       | 21.0<br>---                      | ---<br>---                      |              |
| 102    | 9      | eL.<br>F.                    | 11.56.13<br>12.11. -                                     | ---<br>---                       | ---<br>---                      |              |
| 103    | 9      | e.<br>L.<br>F.               | 12.55.37<br>13.19.33<br>14.10. -                         | ---<br>---<br>---                | ---<br>---<br>---               |              |
| 104    | 11     | e.<br>MN.<br>F.              | 7.35.22<br>7.43. 0<br>8. 3. -                            | ---<br>19.5<br>---               | ---<br>0.3<br>---               |              |
| 105    | 13     | eP?<br>S.<br>L.<br>MN.<br>F. | 16.38. 9<br>16.50. 0<br>17. 1.46<br>17. 8.25<br>17.40. - | ---<br>---<br>19.5<br>---<br>--- | ---<br>---<br>---<br>0.3<br>--- |              |
| 106    | 14     | e.<br>MN.<br>ME.<br>F.       | 15.34. 6<br>16. 0.46<br>16. 8. 0<br>16.40. -             | ---<br>19.0<br>18.0<br>---       | ---<br>---<br>0.3<br>0.2<br>--- |              |

Giugno 1914.

| Numero | Data   | Fase  | Ora  | Per.   | Amp.  | OSSERVAZIONI   |
|--------|--------|---|--|--|---|--|
|        | Giugno |   | H. m. s.   |  |   |  |
| 107    | 18     | e.<br>S?<br>F.  | 21.45.10<br>21.54.31<br>22.24. -   | ---<br>---<br>---                              | ---<br>---<br>---                             |  |
| 108    | 18     | eP?<br>L.<br>M <sub>1</sub> N.<br>M <sub>1</sub> E.<br>M <sub>2</sub> N.<br>M <sub>2</sub> E.<br>F. | 22.32.50<br>22.46.28<br>22.52.35<br>22.53.20<br>23.23.40<br>23.22. 0<br>23.58. 0 | ---<br>21.0<br>---<br>---<br>---<br>---<br>--- | ---<br>---<br>0.5<br>0.5<br>0.5<br>0.4<br>--- | Forse si tratta di due terremoti avvenuti a poca distanza l'uno dall'altro.            |
| 109    | 19     | e.<br>L.<br>MN.<br>ME.<br>F.  | 1.17. 0<br>1.20. 8<br>1.23.35<br>1.24.10<br>1.33. -                              | ---<br>18.0<br>---<br>---<br>---               | ---<br>---<br>0.8<br>0.5<br>---               |  |
| 110    | 20     | iP.<br>S.<br>MN.<br>ME.<br>F.   | 8.39.49<br>8.40.40<br>8.41.22<br>8.42.15<br>8.56. -                              | ---<br>---<br>---<br>---<br>---                | ---<br>---<br>2.0<br>6.0<br>---               | P.V.   |
| 110    | 20     | P.<br>S.<br>MN.<br>ME.<br>F.  | 8.39.49<br>8.40.40<br>8.40.35<br>8.40.31<br>Incerta                              | 21.0<br>19.5<br>---<br>---<br>---              | ---<br>---<br>1.0<br>2.0<br>---               | P.O.<br>Nei P.O. segue la registrazione del secondo terremoto senza notevole distacco. |
| 111    | 20     | P?<br>S.<br>L.<br>MN.<br>ME.<br>F.  | 8.43.14<br>8.58.43<br>9.26.10<br>9.42.25<br>9.40.47<br>Incerta                   | ---<br>---<br>28.0<br>---<br>---<br>---        | ---<br>---<br>---<br>4.0<br>4.0<br>---        |  |
| 112    | 20     | eP.<br>S.<br>ME.<br>F.  | 11.43.52<br>11.44.44<br>11.45. 8<br>11.52. -                                     | ---<br>---<br>---<br>---                       | ---<br>---<br>0.5<br>---                      | P.V.   |
| 113    | 20     | L.<br>M.<br>F.  | 12.39.51<br>12.54. 0<br>14. 0. -   | 21.0<br>---<br>---                             | ---<br>0.5<br>---                             |  |
| 114    | 21     | P.<br>S.<br>L.<br>F.  | 0.55.10<br>1. 9.36<br>1.20. 4<br>1.42. -   | ---<br>---<br>19.5<br>---                      | ---<br>---<br>---<br>---                      |  |
| 115    | 21     | e.<br>L.<br>MN.<br>ME.<br>F.  | 1.46.11<br>2. 4.13<br>2.17. 0<br>2.18.10<br>3.19. -                              | ---<br>19.5<br>---<br>---<br>---               | ---<br>---<br>0.7<br>0.5<br>---               |  |



Giugno 1914.

| Numero | Data      | Fase | Ora      | Per.  | Amp. | OSSERVAZIONI                    |
|--------|-----------|------|----------|-------|------|---------------------------------|
|        |           |      | H. m. s. |       |      |                                 |
| 116    | Giugno 21 | eL.  | 22.56.16 | 14.0  | ---  |                                 |
|        |           | F.   | 23.13. - | ---   | ---  |                                 |
| 117    | 22        | eP?  | 17.59.29 | ---   | ---  |                                 |
|        |           | L.   | 18.39. 0 | 14.0  | ---  |                                 |
|        |           | F.   | 19.35. - | ---   | ---  |                                 |
| 118    | 23        | e.   | 4.49.16  | ---   | ---  |                                 |
|        |           | L.   | 5. 9.24  | 21.0  | ---  |                                 |
|        |           | MN.  | 5.20.15  | ---   | 0.3  |                                 |
|        |           | ME.  | 5.19. 0  | ---   | 0.4  |                                 |
|        |           | F.   | 5.45. -  | ---   | ---  |                                 |
| 119    | 25/26     | iP.  | 20.20.48 | ---   | ---  | P.O.                            |
|        |           | iE.  | 20.24.48 | 19.5  | ---  |                                 |
|        |           | S.   | 20.31.36 | ---   | ---  |                                 |
|        |           | iN.  | 20.32.38 | 21.0  | 10.0 |                                 |
|        |           | iE.  | 20.32.49 | 21.0  | 19.0 |                                 |
|        |           | L.   | 20.44. 0 | 42.0  | ---  |                                 |
|        |           | MN.  | 21. 7. 0 | 18.0  | 32.0 |                                 |
|        |           | ME.  | 21. 7.30 | 21.0  | 13.0 |                                 |
|        |           | F.   | 0.25. -  | ---   | ---  |                                 |
| 119    | 25        | P.   | 20.20.48 | ---   | ---  | P.V.                            |
|        |           | S.   | 20.31.15 | ---   | ---  |                                 |
|        |           | eL.  | 20.41. 0 | 25.0  | ---  |                                 |
|        |           | MN.  | 20.32.18 | ---   | 1.2  |                                 |
|        |           | ME.  | 20.31.24 | ---   | 2.0  |                                 |
|        |           | F.   | 21.25. - | ---   | ---  |                                 |
| 120    | 26        | e.   | 5. 3. 8  | ---   | ---  |                                 |
|        |           | L.   | 5.33.22  | 19.5  | ---  |                                 |
|        |           | MN.  | 5.53. 0  | ---   | 0.3  |                                 |
|        |           | F.   | 6.10. -  | ---   | ---  |                                 |
| 121    | 26        | iP.  | 6.10. 4  | ---   | ---  | Il P.V. Da due tracce distinte: |
|        |           | S.   | 6.21. 8  | ---   | ---  | l'una comincia a ore 6. 9. 52-  |
|        |           | L.   | 6.29.20  | 14-21 | ---  | l'altra a ore 7. 7. 50.         |
|        |           | MN.  | 7.20.30  | 21.0  | 2.5  |                                 |
|        |           | ME.  | 7.20.45  | 18.0  | 1.0  |                                 |
|        |           | F.   | 9.30. -  | ---   | ---  |                                 |

Dr. G. PENTA, Direttore.  
N. N. Assistente.

# BOLLETTINO

## Meteorologico e Geodinamico

dell'Osservatorio del Real Collegio Carlo Alberto

MONCALIERI

### OSSERVAZIONI SISMICHE

POSIZIONE GEOGRAFICA { Longitudine Est da Greenwich: 7° 41' 43"  
 { Latitudine Boreale: 44° 59' 52"  
 { Altitudine (Pendoli orizzontali) 238 m.

#### COSTANTI STRUMENTALI.

| Pendoli orizzontali "Stiattesi,,  |           | Pendolo verticale.         |          |
|-----------------------------------|-----------|----------------------------|----------|
| Massa pendolare . . . . .         | Kg. 260   | Massa pendolare . . . . .  | Kg. 650  |
| Periodo completo-Comp. N. . . . . | sec. 19,4 | Periodo completo . . . . . | sec. 3,2 |
| " " " " E. . . . .                | " 20,3    | Ingrandimento . . . . .    | 1:50     |
| Ingrandimento . . . . .           | 1:25      | Velocità oraria . . . . .  | cm. 100  |
| Velocità oraria . . . . .         | cm. 100   |                            |          |

Registrazione su carta affumicata.  
Le ore sono contate in T.m.E.C.

#### ABBREVIAZIONI.

- P. = Primi tremiti preliminari.
- S. = Secondi
- L. = Onde lente.
- MN. = Massimo - Componente N.
- ME. = " " " E.
- F. = Fine.
- e. = Emersio.
- i. = Impetus.
- Per. = Periodo completo in secondi.
- Amp. = Semi ampiezza in millim.
- O. = Pendoli orizzontali.
- V. = Pendolo verticale.



## Luglio 1914.

| Numero | Data   | Fase   | Ora  | Per.  | Amp.   | OSSERVAZIONI |
|--------|--------|--|--|---|--|--------------|
|        | Luglio |  | H. m. s.   |   |  |              |
| 122    | 3      | e.<br>L.<br>MN.<br>ME.<br>F.   | 1.16.14<br>1.25.39<br>1.32.32<br>1.31.57<br>2.15. -  | ---<br>19.0<br>---<br>---<br>---                      | ---<br>---<br>0.6<br>0.6<br>---                      |              |
| 123    | 4      | iP.<br>iS.<br>L.<br>M <sub>1</sub> N.<br>M <sub>1</sub> E.<br>M <sub>2</sub> N.<br>M <sub>2</sub> E.<br>F. | 19. 0.48<br>19.12.29<br>19.23.38<br>19.14.23<br>19.14. 8<br>19.43.48<br>19.40.33<br>20.12. - | ---<br>---<br>25.0<br>---<br>---<br>---<br>---<br>--- | ---<br>---<br>---<br>1.6<br>0.8<br>0.7<br>1.0<br>--- |              |
| 124    | 5      | P.<br>S.<br>L.<br>MN.<br>F.  | 0.57.16<br>1. 5.25<br>1.13.16<br>1.14.15<br>2.22. -  | ---<br>---<br>18.0<br>---<br>---                      | ---<br>---<br>---<br>0.6<br>---                      |              |
| 125    | 5 6    | e.<br>S.<br>L.<br>MN.<br>ME.<br>F.   | 23.11.11<br>23.26.21<br>23.40.33<br>0. 5.59<br>0. 5. 9<br>1.30. -                            | ---<br>---<br>19.0<br>---<br>---<br>---               | ---<br>---<br>---<br>1.0<br>0.8<br>---               |              |
| 126    | 6      | i.<br>iS.<br>L.<br>MN.<br>F.   | 7.47.25<br>8. 0.37<br>8.10.29<br>8.33.30<br>9. 0. 0  | ---<br>---<br>16.0<br>---<br>---                      | ---<br>---<br>---<br>0.4<br>---                      |              |
| 127    | 8      | e.<br>L.<br>MN.<br>F.  | 22.41.55<br>23. 4.23<br>23.14.11<br>23.28. -   | ---<br>18.0<br>---<br>---                             | ---<br>---<br>0.4<br>---                             |              |
| 128    | 11     | e.<br>MN.<br>ME.<br>F.   | 16.48.49<br>16.57.52<br>17. 0. 7<br>17.20. -   | ---<br>17.5<br>12.5<br>---                            | ---<br>0.3<br>0.2<br>---                             |              |
| 129    | 11     | e.<br>MN.<br>ME.<br>F.   | 20.41.33<br>20.44. 2<br>20.42.42<br>20.48. -   | ---<br>12.0<br>11.0<br>---                            | ---<br>0.3<br>0.3<br>---                             |              |
| 130    | 12     | L.<br>ME.<br>F.  | 23.21.27<br>23.34. 4<br>23.46. 0   | 18.0<br>---<br>---                                    | ---<br>0.5<br>---                                    |              |

| Numero | Data   | Fase                                  | Ora   | Per.                                      | Amp.                                      | OSSERVAZIONI   |
|--------|--------|---------------------------------------|---|---|---|--|
|        | Luglio |                                       | H. m. s.  |   |   |  |
| 131    | 14     | eP.<br>iS.<br>eL.<br>MN.<br>ME.<br>F. | 4.23.15<br>4.36.57<br>4.45.40<br>5.16.14<br>5.16.54<br>6.16. -      | ---<br>---<br>18.0<br>---<br>---<br>---   | ---<br>---<br>---<br>1.0<br>1.0<br>---    |  |
| 132    | 14     | eP.<br>F.                             | 4.35.27<br>4.37. 0  | ---<br>---                                | ---<br>---                                | P.V. Lievissima traccia di terremoto vicino.                                 |
| 133    | 17     | iP.<br>iS.<br>L.<br>MN.<br>ME.<br>F.  | 8.19.25<br>8.29.44<br>8.48. 7<br>9. 0. 0<br>9. 1.20<br>11.25. -     | 16.0<br>18.5<br>32.0<br>---<br>---<br>--- | ---<br>---<br>---<br>2.5<br>3.0<br>---    |  |
| 134    | 20     | e.<br>M.<br>F.                        | 16. 4.29<br>16.15. 0<br>16.40. -                                    | ---<br>21.0<br>---                        | ---<br>0.6<br>---                         |  |
| 135    | 21/22  | eP?<br>iS.<br>eL.<br>MN.<br>ME.<br>F. | 23.43.34<br>23.53.21<br>0. 2.18<br>0.15. 7<br>0.14.57<br>1. 2. -    | ---<br>---<br>21.0<br>---<br>---<br>---   | ---<br>---<br>---<br>0.6<br>0.7<br>---    |  |
| 136    | 23     | eP?<br>S?<br>L.<br>F.                 | 18.10.25<br>18.26.20<br>18.39.18<br>19.35. -                        | ---<br>---<br>18.0<br>---                 | ---<br>---<br>---<br>---                  |  |
|        | Agosto |                                       |   |   |   |  |
| 137    | 3      | eL.<br>M.<br>F.                       | 12.42.58<br>12.58.32<br>13.28. -                                    | 18.0<br>---<br>---                        | ---<br>0.3<br>---                         |  |
| 138    | 4      | e.<br>eL.<br>MN.<br>ME.<br>F.         | 10.33.25<br>11. 7.16<br>11.43.38<br>11.39.30<br>12.30. -            | ---<br>21.0<br>---<br>---<br>---          | ---<br>---<br>0.5<br>0.4<br>---           |  |
| 139    | 4/5    | iP.<br>iS.<br>L.<br>MN.<br>ME.<br>F.  | 23.51.40<br>23.59.32<br>0. 4.30<br>0.18.43<br>0.18.38 *1<br>3.25. - | ---<br>---<br>35.0<br>---<br>---<br>---   | ---<br>---<br>---<br>55.0<br>>45.0<br>--- | *1 La pennina sbalzata fuori del cilindro, vi ritorna dopo circa due minuti. |



Agosto 1914.

| Numero | Data   | Fase | Orn       | Per. | Amp. | OSSERVAZIONI |
|--------|--------|------|-----------|------|------|--------------|
|        | Agosto |      | Il. m. s. |      |      |              |
| 140    | 5      | P.   | 11.45.21  | ---  | ---  |              |
|        |        | S.   | 11.51.4   | ---  | ---  |              |
|        |        | L.   | 11.59.29  | 18.0 | ---  |              |
|        |        | MN.  | 12.10.43  | ---  | 1.5  |              |
|        |        | ME.  | 12.8.48   | ---  | 2.0  |              |
|        |        | F.   | 13.0.-    | ---  | ---  |              |
| 141    | 5      | eP.  | 20.59.17  | ---  | ---  |              |
|        |        | S.   | 21.1.22   | ---  | ---  |              |
|        |        | L.   | 21.3.19   | 18.0 | ---  |              |
|        |        | MN.  | 21.4.59   | ---  | 0.6  |              |
|        |        | ME.  | 21.5.34   | ---  | 0.6  |              |
|        |        | F.   | 21.17.-   | ---  | ---  |              |
| 142    | 6      | eL.  | 4.14.24   | 18.0 | ---  |              |
|        |        | F.   | 4.28.-    | ---  | ---  |              |
| 143    | 6      | P.   | 5.29.26   | ---  | ---  |              |
|        |        | S.   | 5.35.41   | ---  | ---  |              |
|        |        | L.   | 5.39.49   | 19.0 | ---  |              |
|        |        | MN.  | 5.44.19   | ---  | 1.4  |              |
|        |        | ME.  | 5.44.40   | ---  | 0.6  |              |
|        |        | F.   | 6.40.-    | ---  | ---  |              |
| 144    | 7      | eL.  | 11.35.30  | 19.5 | ---  |              |
|        |        | M.   | 11.42.0   | ---  | 0.5  |              |
|        |        | F.   | 11.54.-   | ---  | ---  |              |
| 145    | 8      | eP.  | 20.32.33  | ---  | ---  |              |
|        |        | iS.  | 20.39.19  | ---  | ---  |              |
|        |        | L.   | 20.49.14  | 21.0 | ---  |              |
|        |        | MN.  | 21.5.25   | ---  | 1.2  |              |
|        |        | ME.  | 21.5.50   | ---  | 1.5  |              |
|        |        | F.   | 21.50.-   | ---  | ---  |              |
| 146    | 11     | eP?  | 7.3.22    | ---  | ---  |              |
|        |        | S?   | 7.16.35   | ---  | ---  |              |
|        |        | L.   | 7.33.55   | 18.0 | ---  |              |
|        |        | MN.  | 7.45.50   | ---  | 0.6  |              |
|        |        | ME.  | 7.20.45   | ---  | 0.5  |              |
|        |        | F.   | 8.10.-    | ---  | ---  |              |
| 147    | 11     | eP.  | 14.35.22  | ---  | ---  |              |
|        |        | iS.  | 14.40.32  | ---  | ---  |              |
|        |        | L.   | 14.45.0   | 21.0 | ---  |              |
|        |        | F.   | 15.10.-   | ---  | ---  |              |

(continua)

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MONCALIERI

## OSSERVAZIONI SISMICHE

POSIZIONE GEOGRAFICA { Longitudine Est da Greenwich: 7° 41' 43"  
 Latitudine Boreale: 44° 59' 52"  
 Altitudine (Pendoli orizzontali) 238 m.

### COSTANTI STRUMENTALI.

| Pendoli orizzontali "Stiattesi",, |           | Pendolo verticale.         |          |
|-----------------------------------|-----------|----------------------------|----------|
| Massa pendolare . . . . .         | Kg. 260   | Massa pendolare . . . . .  | Kg. 650  |
| Periodo completo-Comp. N. . . . . | sec. 19,4 | Periodo completo . . . . . | sec. 3,2 |
| " " " " E. . . . .                | " 20,3    | Ingrandimento . . . . .    | 1:50     |
| Ingrandimento . . . . .           | 1:25      | Velocità oraria . . . . .  | cm. 100  |
| Velocità oraria . . . . .         | cm. 100   |                            |          |

Registrazione su carta affumicata.  
Le ore sono contate in T. m. E. C.

### ABBREVIAZIONI.

- P. = Primi tremiti preliminari.
- S. = Secondi
- L. = Onde lente.
- MN. = Massimo - Componente N.
- ME. = " " " " E.
- F. = Fine.
- e. = Emersio.
- i. = Impetus.
- Per. = Periodo completo in secondi.
- Amp. = Semi ampiezza in millim.
- O. = Pendoli orizzontali.
- V. = Pendolo verticale.



Agosto 1914.

| Numero | Data      | Fase | Ora      | Per. | Amp. | OSSERVAZIONI                                    |
|--------|-----------|------|----------|------|------|---|
|        |           |      | H. m. s. |      |      |   |
| 148    | Agosto 14 | eP?  | 21. 4.33 | ---  | ---  | P.V. - Nei P.O. si hanno solo onde rapidissime. |
|        |           | eS.  | 21.14. 8 | ---  | ---  |   |
|        |           | L.   | 21.35.57 | 16.0 | ---  |   |
|        |           | MN.  | 21.48.40 | ---  | 0.5  |   |
|        |           | ME.  | 21.46.45 | ---  | 0.6  |   |
|        |           | F.   | 22.25. - | ---  | ---  |   |
| 149    | 16        | eL.  | 17.44.20 | 16.0 | ---  |   |
|        |           | F.   | 18. 2. 0 | ---  | ---  |   |
| 150    | 17        | e.   | 6.13.53  | ---  | ---  |   |
|        |           | L.   | 6.15.27  | 14.0 | ---  |   |
|        |           | F.   | 6.25. -  | ---  | ---  |   |
| 151    | 21        | P?   | 9.33.30  | ---  | ---  |   |
|        |           | S.   | 9.45.54  | ---  | ---  |   |
|        |           | L.   | 9.58.54  | 16.0 | ---  |   |
|        |           | M.   | 10. 3.34 | ---  | 0.6  |   |
|        |           | F.   | 10.15. - | ---  | ---  |   |
| 152    | 22        | iP?  | 0.19. 0  | ---  | ---  |   |
|        |           | S?   | 0.19.20  | ---  | ---  |   |
|        |           | F.   | 0.22. -  | ---  | ---  |   |
| 153    | 22        | iP.  | 6.40.45  | ---  | ---  |   |
|        |           | iS.  | 6.56. 9  | ---  | ---  |   |
|        |           | L.   | 7. 2.54  | 16.0 | ---  |   |
|        |           | MN.  | 7.15.44  | ---  | 2.5  |   |
|        |           | ME.  | 7.18.50  | ---  | 1.0  |   |
|        |           | F.   | 8.14. -  | ---  | ---  |   |
| 154    | 22        | eP.  | 16.20.36 | ---  | ---  |   |
|        |           | S.   | 16.38.27 | ---  | ---  |   |
|        |           | L.   | 17. 2.56 | 18.0 | ---  |   |
|        |           | MN.  | 17.42.12 | ---  | 1.8  |   |
|        |           | ME.  | 17.42.14 | ---  | 1.0  |   |
|        |           | F.   | 18.25. - | ---  | ---  |   |
| 155    | 22        | e.   | 20.26.36 | ---  | ---  |   |
|        |           | M.   | 20.36.15 | 16.0 | 0.3  |   |
|        |           | F.   | 21. 7. - | ---  | ---  |   |
| 156    | 24        | e.   | 7.49.21  | ---  | ---  |   |
|        |           | eL.  | 8.13.25  | 21.0 | ---  |   |
|        |           | MN.  | 8.26.14  | ---  | 1.5  |   |
|        |           | ME.  | 8.26.44  | ---  | 0.5  |   |
|        |           | F.   | 8.42. -  | ---  | ---  |   |
| 157    | 28        | eP?  | 9.42.19  | ---  | ---  |   |
|        |           | S?   | 9.52.25  | ---  | ---  |   |
|        |           | L.   | 10.13.30 | 21.0 | ---  |   |
|        |           | MN.  | 10.29.35 | ---  | 5.5  |   |

\*1 Inizio incerto a causa di altri movimenti accidentali.

Agosto - Settembre 1914.

| Numero | Data        | Fase | Ora      | Per.  | Amp. | OSSERVAZIONI                           |
|--------|-------------|------|----------|-------|------|--|
|        |             |      | H. m. s. |       |      |  |
| 157    | Agosto 28   | ME.  | 10.29.45 | ---   | 2.0  | P.V. - Nei P.O. Solo onde rapidissime. |
|        |             | F.   | 11.30. - | ---   | ---  |  |
| 158    | 31          | P.   | 13.27.17 | ---   | ---  |  |
|        |             | S.   | 13.27.32 | ---   | ---  |  |
|        |             | F.   | 13.33. - | ---   | ---  |  |
| 159    | Settembre 1 | eP.  | 11.29.25 | ---   | ---  |  |
|        |             | iS.  | 11.35.42 | ---   | ---  |  |
|        |             | L.   | 11.39.40 | 16.0  | ---  |  |
|        |             | MN.  | 11.54.39 | ---   | 0.4  |  |
|        |             | ME.  | 11.54. 0 | ---   | 0.3  |  |
|        |             | F.   | 12.15. - | ---   | ---  |  |
| 160    | 2           | e.   | 21.37.22 | ---   | ---  |  |
|        |             | S?   | 21.47.39 | ---   | ---  |  |
|        |             | L.   | 22.10.13 | 14.0  | ---  |  |
|        |             | F.   | 22.52. - | ---   | ---  |  |
| 161    | 7           | e.   | 17.56.10 | ---   | ---  |  |
|        |             | S?   | 17.57.50 | ---   | ---  |  |
|        |             | L.   | 17.58.55 | 18.0  | ---  |  |
|        |             | MN.  | 18. 2.37 | ---   | 0.4  |  |
|        |             | ME.  | 18. 1.11 | ---   | 0.5  |  |
| 162    | 9           | F.   | 18. 8. - | ---   | ---  |  |
|        |             | e.   | 15.58.12 | ---   | ---  |  |
|        |             | S.   | 16. 1.11 | ---   | ---  |  |
|        |             | L.   | 16. 4.15 | 18.0  | ---  |  |
|        |             | M.   | 16. 8.40 | ---   | 1.0  |  |
| 163    | 10          | F.   | 16.50. - | ---   | ---  |  |
|        |             | e.   | 17.42.20 | ---   | ---  |  |
|        |             | iS.  | 17.50.10 | ---   | ---  |  |
|        |             | L.   | 18. 1.45 | 16.0  | ---  |  |
|        |             | MN.  | 18.26.25 | ---   | 0.5  |  |
| 164    | 11          | ME.  | 18.24.40 | ---   | 0.4  |  |
|        |             | F.   | 18.52. 0 | ---   | ---  |  |
|        |             | eP?  | 13. 0.18 | ---   | ---  |  |
|        |             | S.   | 13.10. 8 | ---   | ---  |  |
|        |             | L.   | 13.26.19 | 21-25 | ---  |  |
| 165    | 11          | MN.  | 13.41.45 | ---   | 0.9  |  |
|        |             | ME.  | 13.45. 0 | ---   | 1.8  |  |
|        |             | F.   | 14.22. - | ---   | ---  |  |
|        |             | eP?  | 18.13.27 | ---   | ---  |  |
|        |             | S.   | 18.24.36 | ---   | ---  |  |
| 165    | 11          | L.   | 18.37.42 | 14.0  | ---  |  |
|        |             | F.   | 18.52. - | ---   | ---  |  |



Settembre 1914.

| Numero | Data         | Fase | Ora      | Per.  | Amp. | OSSERVAZIONI |
|--------|--------------|------|----------|-------|------|--------------|
|        |              |      | H. m. s. |       |      |              |
| 166    | Settembre 11 | e.   | 18. 4.37 | ---   | ---  |              |
|        |              | S.   | 18.13.22 | ---   | ---  |              |
|        |              | L.   | 18.24.46 | 16.-  | ---  |              |
|        |              | F.   | 18.55. - | ---   | ---  |              |
| 167    | 15           | e.   | 0.58.22  | ---   | ---  |              |
|        |              | L.   | 1. 4.13  | 14.-  | ---  |              |
|        |              | MN.  | 1. 7.11  | ---   | 0.5  |              |
|        |              | ME.  | 1. 8.51  | ---   | 0.5  |              |
|        |              | F.   | 1. 1. 1  | ---   | ---  |              |
| 168    | 15           | e.   | 1.13.51  | ---   | ---  |              |
|        |              | S?   | 1.22. 0  | ---   | ---  |              |
|        |              | eL.  | 1.49.20  | 21-18 | ---  |              |
|        |              | MN.  | 2. 4.50  | ---   | 0.7  |              |
|        |              | ME.  | 1.58. 0  | ---   | 0.9  |              |
|        |              | F.   | 2.40. 0  | ---   | ---  |              |
| 169    | 17           | eP.  | 14. 5.54 | ---   | ---  |              |
|        |              | S.   | 14. 8.57 | ---   | ---  |              |
|        |              | L.   | 14.11. 8 | 14.-  | ---  |              |
|        |              | M.   | 14.17.38 | ---   | 10.0 |              |
| 170    | 23           | e.   | 3. 4.20  | ---   | ---  |              |
|        |              | L.   | 3.45.15  | 14-18 | ---  |              |
|        |              | F.   | 4.25. -  | ---   | ---  |              |
| 171    | 25           | eP?  | 11.54.15 | ---   | ---  |              |
|        |              | S?   | 12. 4.17 | ---   | ---  |              |
|        |              | L.   | 12.17.10 | 16-   | ---  |              |
|        |              | MN.  | 12.26.18 | ---   | 0.5  |              |
|        |              | ME.  | 12.25.33 | ---   | 0.5  |              |
| 172    | 26           | i.   | 6.26.13  | ---   | ---  |              |
|        |              | MN.  | 6.32.41  | 12.   | 0.4  |              |
|        |              | ME.  | 6.35.50  | 14.   | 0.3  |              |
|        |              | F.   | 7.15. -  | ---   | ---  |              |
| 173    | 30           | eP.  | 6.20.12  | ---   | ---  |              |
|        |              | S.   | 6.21.36  | ---   | ---  |              |
|        |              | L.   | 6.23.21  | 14.0  | ---  |              |
|        |              | MN.  | 6.26.16  | ---   | 0.4  |              |
|        |              | ME.  | 6.26.31  | ---   | 0.5  |              |
|        |              | F.   | 6.36. -  | ---   | ---  |              |

Dr. G. PENTA, Direttore.  
N. N. Assistente.

## BOLLETTINO

# Meteorologico e Geodinamico

dell'Osservatorio del Real Collegio Carlo Alberto

MONCALIERI

### OSSERVAZIONI SISMICHE

POSIZIONE GEOGRAFICA { Longitudine Est da Greenwich: 7° 41' 43"  
 { Latitudine Boreale: 44° 59' 52"  
 { Altitudine (Pendoli orizzontali) 238 m.

#### COSTANTI STRUMENTALI.

| Pendoli orizzontali "Stiattesi,, |           | Pendolo verticale.         |          |
|----------------------------------|-----------|----------------------------|----------|
| Massa pendolare . . . . .        | Kg. 260   | Massa pendolare . . . . .  | Kg. 650  |
| Periodo completo-Comp. N.        | sec. 19,4 | Periodo completo . . . . . | sec. 3,2 |
| " " " " E.                       | " 20,3    | Ingrandimento . . . . .    | 1:50     |
| Ingrandimento . . . . .          | 1:25      | Velocità oraria . . . . .  | cm. 100  |
| Velocità oraria . . . . .        | cm. 100   |                            |          |

Registrazione su carta affumicata.  
Le ore sono contate in T. m. E. C.

#### ABBREVIAZIONI.

- P. = Primi tremiti preliminari.
- S. = Secondi
- L. = Onde lente.
- MN. = Massimo - Componente N.
- ME. = " " E.
- F. = Fine.
- e. = Emersio.
- i. = Impetus.
- Per. = Periodo completo in secondi.
- Amp. = Semi ampiezza in millim.
- O. = Pendoli orizzontali.
- V. = Pendolo verticale.



Ottobre 1914.

| Numero | Data | Fase | Ora         | Per.  | Amp.  | OSSERVAZIONI                                       |
|--------|------|------|-------------|-------|-------|--|
|        |      |      | H. m. s.    |       |       |  |
| 174    | 1    | eP?  | 7.36.9      | ---   | ---   |  |
|        |      | iS.  | 7.45.38     | ---   | ---   |  |
|        |      | L.   | 7.54.48     | 21.-  | ---   |  |
|        |      | ME.  | 8.5.58      | ---   | 0.4   |  |
|        |      | F.   | 9.6.-       | ---   | ---   |  |
| 175    | 3    | e.   | 11.5.9      | ---   | ---   |  |
|        |      | F.   | 11.14.0     | ---   | ---   |  |
| 176    | 3    | iP.  | 18.32.40    | ---   | ---   |  |
|        |      | iS.  | 18.41.4     | 18.-  | 9.0   |  |
|        |      | L.   | 18.48.10    | 32-25 | ---   |  |
|        |      | MN.  | 18.58.35    | ---   | 10.0  |  |
|        |      | ME.  | 18.57.10    | ---   | 16.0  |  |
|        |      | F.   | 21.15.-     | ---   | ---   |  |
| 177    | 3    | iP.  | 19.1.40     | ---   | ---   | P.V. Le altre fasi non si possono determinare.     |
|        |      | S?   | 19.7.25     | ---   | ---   |  |
| 178    | 3    | iP.  | 23.11.20    | 7-14  | ---   | *1 Le pennine vennero sbalzate fuori del cilindro. |
|        |      | iS.  | 23.14.47    | 21.-  | ---   |  |
|        |      | MN.  | 23.19.21 *1 | 25.-  | <190. |  |
|        |      | ME.  | 23.19.6 *1  | 23.-  | >150. |  |
|        |      | F.   | ? ? -       | ---   | ---   |  |
| 179    | 4    | e.   | 16.52.0     | ---   | ---   |  |
|        |      | L.   | 16.58.47    | 9.-   | ---   |  |
|        |      | MN.  | 17.1.51     | ---   | 0.8   |  |
|        |      | ME.  | 17.1.49     | ---   | 0.6   |  |
|        |      | F.   | 17.10.-     | ---   | ---   |  |
| 180    | 4    | eL.  | 19.0.14     | 18.-  | ---   |  |
|        |      | F.   | 19.7.-      | ---   | ---   |  |
| 181    | 4    | e.   | 19.18.35    | ---   | ---   |  |
|        |      | L.   | 19.21.12    | 18.0  | ---   |  |
|        |      | M.   | 19.22.28    | ---   | 0.5   |  |
|        |      | F.   | 19.30.-     | ---   | ---   |  |
| 182    | 4    | P.   | 19.52.8     | ---   | ---   |  |
|        |      | S.   | 19.56.10    | ---   | ---   |  |
|        |      | L.   | 19.59.48    | 18.0  | ---   |  |
|        |      | MN.  | 20.1.35     | ---   | 0.8   |  |
|        |      | ME.  | 20.1.50     | ---   | 1.2   |  |
|        |      | F.   | 20.25.-     | ---   | ---   |  |
| 183    | 4    | eL.  | 21.37.40    | ---   | ---   |  |
|        |      | F.   | 21.44.-     | ---   | ---   |  |
| 184    | 4    | L.   | 21.55.6     | ---   | ---   |  |
|        |      | F.   | 22.0.-      | ---   | ---   |  |

Ottobre 1914.

| Numero | Data | Fase             | Ora      | Per. | Amp. | OSSERVAZIONI |
|--------|------|------------------|----------|------|------|--------------|
|        |      |                  | H. m. s. |      |      |              |
| 185    | 6    | eL.              | 13.37.2  | ---  | ---  |              |
|        |      | F.               | 21.48.-  | ---  | ---  |              |
| 186    | 6    | eP.              | 20.36.14 | ---  | ---  |              |
|        |      | S.               | 20.50.22 | ---  | ---  |              |
|        |      | L <sub>1</sub> . | 21.1.55  | 14.- | ---  |              |
|        |      | L <sub>2</sub> . | 21.28.49 | 23.- | ---  |              |
|        |      | MN.              | 21.52.53 | ---  | 2.0  |              |
|        |      | ME.              | 21.51.38 | ---  | 1.5  |              |
| 187    | 7    | eL.              | 15.45.19 | 14.  | ---  |              |
|        |      | F.               | 15.52.-  | ---  | ---  |              |
| 188    | 8    | e.               | 11.54.22 | ---  | ---  |              |
|        |      | L.               | 12.0.45  | 14.0 | 0.2  |              |
|        |      | F.               | 12.6.-   | ---  | ---  |              |
| 189    | 8    | eP?              | 13.37.9  | ---  | ---  |              |
|        |      | S?               | 13.52.35 | ---  | ---  |              |
|        |      | eL.              | 14.5.10  | 18.- | ---  |              |
|        |      | M.               | 14.13.25 | ---  | 0.3  |              |
|        |      | F.               | 15.12.-  | ---  | ---  |              |
| 190    | 8    | eL.              | 17.22.19 | 18.- | ---  |              |
|        |      | M.               | 17.24.20 | ---  | 0.6  |              |
|        |      | F.               | 17.30.-  | ---  | ---  |              |
| 191    | 9    | P.               | 3.48.32  | ---  | ---  |              |
|        |      | S.               | 3.56.4   | ---  | ---  |              |
|        |      | L.               | 4.11.9   | 17.- | ---  |              |
|        |      | MN.              | 4.16.0   | ---  | 1.0  |              |
|        |      | ME.              | 4.16.45  | ---  | 1.6  |              |
| 192    | 9    | eL.              | 15.46.45 | 12.- | ---  |              |
|        |      | F.               | 16.52.-  | ---  | ---  |              |
| 193    | 10   | e.               | 14.15.40 | ---  | ---  |              |
|        |      | L.               | 14.22.24 | 14.- | ---  |              |
|        |      | MN.              | 14.23.28 | ---  | 0.5  |              |
|        |      | ME.              | 14.23.23 | ---  | 0.6  |              |
|        |      | F.               | 14.30.-  | ---  | ---  |              |
| 194    | 11   | eP.              | 10.49.14 | ---  | ---  |              |
|        |      | S.               | 10.52.37 | ---  | ---  |              |
|        |      | L.               | 10.55.18 | 18.0 | ---  |              |
|        |      | MN.              | 10.56.57 | ---  | 1.5  |              |
|        |      | ME.              | 10.56.42 | ---  | 1.2  |              |
|        |      | F.               | 11.15.-  | ---  | ---  |              |



Ottobre 1914.

| Numero | Data    | Fase | Ora      | Per. | Amp. | OSSERVAZIONI |
|--------|---------|------|----------|------|------|--------------|
|        |         |      | H. m. s. |      |      |              |
|        | Ottobre |      |          |      |      |              |
| 195    | 11      | P.   | 17.29.21 | ---  | ---  |              |
|        |         | iS.  | 17.38.48 | ---  | ---  |              |
|        |         | F.   | 18.25.-  | ---  | ---  |              |
| 196    | 13      | e.   | 17.15.1  | ---  | ---  |              |
|        |         | L.   | 17.16.46 | 18.- | ---  |              |
|        |         | F.   | 17.23.-  | ---  | ---  |              |
| 197    | 15      | L.   | 19.35.14 | 16.- | ---  |              |
|        |         | F.   | 20.9.-   | ---  | ---  |              |
| 198    | 16      | eL.  | 6.13.28  | 16.- | ---  |              |
|        |         | F.   | 6.25.-   | ---  | ---  |              |
| 199    | 16      | e.   | 18.49.20 | ---  | ---  |              |
|        |         | L.   | 18.57.37 | 16.- | ---  |              |
|        |         | M.   | 19.1.43  | ---  | 0.4  |              |
|        |         | F.   | 19.22.-  | ---  | ---  |              |
| 200    | 16,17   | e.   | 23.37.32 | ---  | ---  |              |
|        |         | L.   | 23.53.13 | 16.- | ---  |              |
|        |         | F.   | 0.25.-   | ---  | ---  |              |
| 201    | 17      | e.   | 1.3.28   | ---  | ---  |              |
|        |         | L.   | 1.19.14  | 18.- | ---  |              |
|        |         | M.   | 1.23.36  | ---  | 0.4  |              |
|        |         | F.   | 1.30.-   | ---  | ---  |              |
| 202    | 17      | eP.  | 7.25.48  | ---  | ---  |              |
|        |         | S.   | 7.28.25  | ---  | ---  |              |
|        |         | L.   | 7.29.27  | 25.- | ---  |              |
|        |         | MN.  | 7.31.15  | ---  | 29.- |              |
|        |         | ME.  | 7.33.40  | ---  | 12.- |              |
|        |         | F.   | 8.30.-   | ---  | ---  |              |
| 203    | 17      | e.   | 8.43.14  | ---  | 0.5  |              |
|        |         | eS?  | 8.46.5   | ---  | ---  |              |
|        |         | L.   | 8.48.31  | 14.- | ---  |              |
|        |         | MN.  | 8.52.50  | ---  | 0.4  |              |
|        |         | ME.  | 8.51.25  | ---  | 0.6  |              |
|        |         | F.   | 9.0.-    | ---  | ---  |              |
| 204    | 17      | P.   | 11.46.15 | ---  | ---  |              |
|        |         | S.   | 11.48.47 | ---  | ---  |              |
|        |         | L.   | 11.50.19 | 20.- | ---  |              |
|        |         | MN.  | 11.52.35 | ---  | 4.0  |              |
|        |         | ME.  | 11.53.37 | ---  | 4.5  |              |
|        |         | F.   | 12.20.-  | ---  | ---  |              |

(continua)

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# BOLLETTINO

## Meteorologico e Geodinamico

dell'Osservatorio del Real Collegio Carlo Alberto

MONCALIERI

### OSSERVAZIONI SISMICHE

POSIZIONE GEOGRAFICA { Longitudine Est da Greenwich: 7° 41' 43"  
 { Latitudine Boreale: 44° 59' 52"  
 { Altitudine (Pendoli orizzontali) 238 m.

#### COSTANTI STRUMENTALI.

| Pendoli orizzontali "Stiattesi,,  |           | Pendolo verticale.         |          |
|-----------------------------------|-----------|----------------------------|----------|
| Massa pendolare . . . . .         | Kg. 260   | Massa pendolare . . . . .  | Kg. 650  |
| Periodo completo-Comp. N. . . . . | sec. 19,4 | Periodo completo . . . . . | sec. 3,2 |
| » » E. . . . .                    | » 20,3    | Ingrandimento . . . . .    | 1:50     |
| Ingrandimento . . . . .           | 1:25      | Velocità oraria . . . . .  | cm. 100  |
| Velocità oraria . . . . .         | cm. 100   |                            |          |

Registrazione su carta affumicata.  
Le ore sono contate in T. m. E. C.

#### ABBREVIAZIONI.

- P. = Primi tremiti preliminari.
- S. = Secondi
- L. = Onde lente.
- MN. = Massimo - Componente N.
- ME. = » » E.
- F. = Fine.
- e. = Emersio.
- i. = Impetus.
- Per. = Periodo completo in secondi.
- Amp. = Semi ampiezza in millim.
- O. = Pendoli orizzontali.
- V. = Pendolo verticale.



Ottobre 1914.

| Numero | Data    | Fase              | Ora                     | Per.  | Amp.  | OSSERVAZIONI  |
|--------|---------|-------------------|-------------------------|-------|-------|---|
|        | Ottobre |                   | H. m. s.                |       |       |   |
| 205    | 17      | e.                | 13.44.32                | ---   | ---   |   |
|        |         | L.                | 14. 7.38                | 14.   | ---   |   |
|        |         | M.                | 14.30.25                | ---   | 0.3   |   |
|        |         | F.                | 14.52. -                | ---   | ---   |   |
| 206    | 23      | eP.               | 7.33.16                 | ---   | ---   |   |
|        |         | S.                | 7.45.10                 | 14-20 | 3.0   |   |
|        |         | L.                | 8. 2.55                 | 32-70 | ---   |   |
|        |         | M <sub>1</sub> N. | 8.16.12                 | 28.   | 15.0  |   |
|        |         | M <sub>1</sub> E. | 8.16. 2                 | 25.   | 12.0  |   |
|        |         | M <sub>2</sub> N. | 8.19.47                 | 25.   | 13.0  |   |
|        |         | M <sub>2</sub> E. | 8.20.52                 | 25.   | 9.0   |   |
|        |         | M <sub>3</sub> N. | 8.25.45                 | 18.   | 12.0  |   |
|        |         | M <sub>3</sub> E. | 8.26. 2                 | 20.   | 13.0  |   |
|        |         | M <sub>4</sub> N. | 8.35.57                 | 20.   | 8.0   |   |
|        |         | M <sub>4</sub> E. | 8.32.32                 | 18.   | 19.0  |   |
|        |         | F.                | 10.30. -                | ---   | ---   |   |
| 207    | 26      | iP.               | 4.43.22 * <sup>1</sup>  | ---   | ---   | * <sup>1</sup> P.O. Onde rapidissime.               |
|        |         | MN.               | 4.43.29 * <sup>2</sup>  | ---   | 34.0  | * <sup>2</sup> Onde rapidissime su altre più lente. |
|        |         | ME.               | 4.43.29 * <sup>2</sup>  | ---   | 30.0  |   |
|        |         | F.                | 5. 0. -                 | ---   | ---   |   |
| 207    | 26      | iP.               | 4.44.22 * <sup>1</sup>  | ---   | ---   | * <sup>1</sup> P.V. Onde rapidissime.               |
|        |         | MN.               | 4.43.34 * <sup>2</sup>  | ---   | 135.0 |   |
|        |         | ME.               | 4.43.31 * <sup>2</sup>  | ---   | 120.0 |   |
|        |         | F.                | 6.15. -                 | ---   | ---   |   |
| 208    | 26      | iP.               | 8. 5.54 * <sup>1</sup>  | ---   | ---   | P.O.  |
|        |         | F.                | 8. 6.18                 | ---   | ---   |   |
| 209    | 26      | iP.               | 12.20.36 * <sup>1</sup> | ---   | ---   | P.O.  |
|        |         | F.                | 12.20.41                | ---   | ---   |   |
| 210    | 26      | iP.               | 13.59.11 * <sup>1</sup> | ---   | ---   | P.O.  |
|        |         | F.                | 13.59.20                | ---   | ---   |   |
| 211    | 26      | P.                | 14.57.42 * <sup>1</sup> | ---   | ---   | P.V.  |
|        |         | F.                | 14.59.12                | ---   | ---   |   |
| 212    | 26      | iP.               | 17.22.16 * <sup>1</sup> | ---   | ---   | * <sup>1</sup> P.O. Onde rapidissime.               |
|        |         | MN.               | 17.22.23 * <sup>2</sup> | ---   | 0.9   | * <sup>2</sup> Onde rapidissime su altre più lente. |
|        |         | ME.               | 17.22.23 * <sup>2</sup> | ---   | 0.9   |   |
|        |         | F.                | 17.24.10                | ---   | ---   |   |
| 212    | 26      | iS?               | 17.22.20 * <sup>1</sup> | ---   | ---   | P.V.  |
|        |         | MN.               | 17.22.51                | ---   | 2.0   |   |
|        |         | ME.               | 17.22.38                | ---   | 2.0   |   |
|        |         | F.                | 17.27. -                | ---   | ---   |   |
| 213    | 27      | iP.               | 2.12. 5 * <sup>1</sup>  | ---   | ---   | P.O.  |
|        |         | MN.               | 2.12.11 * <sup>2</sup>  | ---   | 11.0  |   |

Ottobre 1914.

| Numero | Data    | Fase | Ora                     | Per. | Amp. | OSSERVAZIONI  |
|--------|---------|------|-------------------------|------|------|---|
|        | Ottobre |      | H. m. s.                |      |      |   |
| 213    | 27      | ME.  | 2.12.14 * <sup>2</sup>  | ---  | 6.0  |   |
|        |         | F.   | 2.15.45                 | ---  | ---  |   |
| 213    | 27      | iP.  | 2.12. 6 * <sup>1</sup>  | ---  | ---  | P.V.  |
|        |         | MN.  | 2.12.10                 | ---  | 14.0 |   |
|        |         | ME.  | 2.12.23                 | ---  | 10.0 |   |
|        |         | F.   | 2.22. -                 | ---  | ---  |   |
| 214    | 27      | iP.  | 3.49.14 * <sup>1</sup>  | ---  | ---  | P.O.  |
|        |         | F.   | 3.49.15                 | ---  | ---  |   |
| 214    | 27      | iP?  | 3.49.18 * <sup>1</sup>  | ---  | ---  | P.V.  |
|        |         | F.   | 3.52. -                 | ---  | ---  |   |
| 215    | 27      | eP?  | 5. 7.33                 | ---  | ---  | P.O.  |
|        |         | iS.  | 5.13. 7                 | ---  | ---  |   |
|        |         | L.   | 5.26.24                 | 18.0 | ---  |   |
|        |         | MN.  | 5.48. 6                 | ---  | 0.6  |   |
|        |         | ME.  | 5.50.46                 | ---  | 1.0  |   |
|        |         | F.   | 6:30. -                 | ---  | ---  |   |
| 216    | 27      | iP.  | 10.23. 6 * <sup>1</sup> | ---  | ---  | * <sup>1</sup> P.O. Onde rapidissime.               |
|        |         | S.   | 10.23.26 * <sup>2</sup> | ---  | ---  | * <sup>2</sup> Onde rapidissime su altre più lente. |
|        |         | L.   | 10.23.33 * <sup>2</sup> | 7-18 | ---  |   |
|        |         | MN.  | 10.23.51                | ---  | 3.0  |   |
|        |         | ME.  | 10.25.25                | ---  | 3.0  |   |
|        |         | F.   | 10.38. -                | ---  | ---  |   |
| 216    | 27      | iP.  | 10.23. 5                | ---  | ---  | P.V.  |
|        |         | S.   | 10.23.27                | ---  | ---  |   |
|        |         | MN.  | 10.24.16                | ---  | 9.0  |   |
|        |         | ME.  | 10.24.27                | ---  | 16.0 |   |
|        |         | F.   | 10.50. -                | ---  | ---  |   |
| 217    | 27      | iP.  | 12.19.43                | ---  | ---  | P.O.  |
|        |         | F.   | 12.20.16                | ---  | ---  |   |
|        | 27      | iP.  | 12.19.45                | ---  | ---  | P.V.  |
|        |         | F.   | 12.22. -                | ---  | ---  |   |
| 218    | 27      | iP.  | 12.38.33                | ---  | ---  | P.O.  |
|        |         | F.   | 12.39. -                | ---  | ---  |   |
| 219    | 27      | eP?  | 16.57.32                | ---  | ---  | P.O.  |
|        |         | iS.  | 17. 5.22                | ---  | ---  |   |
|        |         | L.   | 17.12. 8                | 21.0 | ---  |   |
|        |         | MN.  | 17.16. 0                | ---  | 1.6  |   |
|        |         | ME.  | 17.15.50                | ---  | 2.5  |   |
|        |         | F.   | 18.20. -                | ---  | ---  |   |
| 220    | 28      | eP.  | 1.43.22                 | ---  | ---  |   |
|        |         | S?   | 1.57. 4                 | ---  | ---  |   |
|        |         | L.   | 2. 2.55                 | 18.0 | ---  |   |
|        |         | F.   | 2.25. -                 | ---  | ---  |   |



Ottobre - Novembre 1914.

| Numero | Data          | Fase | Ora      | Per. | Amp. | OSSERVAZIONI |
|--------|---------------|------|----------|------|------|--------------|
|        |               |      | H. m. s. |      |      |              |
| 221    | Ottobre<br>28 | e.   | 2.34.40  | ---  | ---  |              |
|        |               | L.   | 2.44.30  | 25.0 | ---  |              |
|        |               | MN.  | 2.53.33  | ---  | 1.5  |              |
|        |               | ME.  | 2.52.15  | ---  | 0.8  |              |
|        |               | F.   | 3.50. -  | ---  | ---  |              |
| 222    | Novembre<br>3 | eP?  | 22.37.22 | ---  | ---  |              |
|        |               | S.   | 22.38. 3 | ---  | ---  |              |
|        |               | L.   | 22.38.37 | 12.5 | ---  |              |
|        |               | F.   | 22.35. - | ---  | ---  |              |
| 223    | 4             | eP?  | 12.22.37 | ---  | ---  |              |
|        |               | S.   | 12.28. 1 | ---  | ---  |              |
|        |               | L.   | 12.32.17 | 18.0 | ---  |              |
|        |               | MN.  | 12.42.10 | ---  | 0.5  |              |
|        |               | ME.  | 12.40.54 | ---  | 0.5  |              |
| 224    | 4             | e.   | 13.34.52 | ---  | ---  |              |
|        |               | MN.  | 13.43.10 | 18.0 | 0.5  |              |
|        |               | ME.  | 13.42.14 | 16.0 | 0.2  |              |
|        |               | F.   | 14. 2. - | ---  | ---  |              |
| 225    | 4             | i.   | 14. 4.53 | ---  | ---  |              |
|        |               | L.   | 14. 7.58 | 19.5 | ---  |              |
|        |               | MN.  | 14.13.19 | ---  | 0.7  |              |
|        |               | ME.  | 14.11.22 | ---  | 0.9  |              |
| 226    | 7             | e.   | 8. 4.11  | ---  | ---  |              |
|        |               | L.   | 8.25.57  | 14.0 | ---  |              |
|        |               | F.   | 9.15. -  | ---  | ---  |              |
| 227    | 7             | eP?  | 17.41.46 | ---  | ---  |              |
|        |               | S?   | 17.43.50 | ---  | ---  |              |
|        |               | L.   | 17.44.52 | 16.0 | ---  |              |
|        |               | MN.  | 17.46. 0 | ---  | 0.5  |              |
|        |               | ME.  | 17.45.10 | ---  | 0.4  |              |
| 228    | 8             | eP.  | 13.16.55 | ---  | ---  |              |
|        |               | S.   | 13.35. 5 | ---  | ---  |              |
|        |               | MN.  | 14.12. 0 | 19.5 | 0.2  |              |
|        |               | ME.  | 14.12. 6 | 18.0 | 0.3  |              |
|        |               | F.   | 14.55. - | ---  | ---  |              |

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Dr. G. PENTA, Direttore.  
N. N. Assistente,

# BOLLETTINO Meteorologico e Geodinamico

dell'Osservatorio del Real Collegio Carlo Alberto

MONCALIERI

## OSSERVAZIONI SISMICHE

POSIZIONE GEOGRAFICA { Longitudine Est da Greenwich: 7° 41' 43"  
 Latitudine Boreale: 44° 59' 52"  
 Altitudine (Pendoli orizzontali) 238 m.

### COSTANTI STRUMENTALI.

| Pendoli orizzontali "Stiattesi",, |           | Pendolo verticale.         |          |
|-----------------------------------|-----------|----------------------------|----------|
| Massa pendolare . . . . .         | Kg. 260   | Massa pendolare . . . . .  | Kg. 650  |
| Periodo completo-Comp. N. . . . . | sec. 19,4 | Periodo completo . . . . . | sec. 3,2 |
| " " " " E. . . . .                | " 20,3    | Ingrandimento . . . . .    | 1:50     |
| Ingrandimento . . . . .           | 1:25      | Velocità oraria . . . . .  | cm. 100  |
| Velocità oraria . . . . .         | cm. 100   |                            |          |

Registrazione su carta affumicata.  
Le ore sono contate in T. m. E. C.

### ABBREVIAZIONI.

- P. = Primi tremiti preliminari.
- S. = Secondi
- L. = Onde lente.
- MN. = Massimo - Componente N.
- ME. = " " " E.
- F. = Fine.
- e. = Emersio.
- i. = Impetus.
- Per. = Periodo completo in secondi.
- Amp. = Semi ampiezza in millim.
- O. = Pendoli orizzontali.
- V. = Pendolo verticale.



Ottobre - Novembre 1914.

| Numero | Data          | Fase | Ora      | Per. | Amp. | OSSERVAZIONI |
|--------|---------------|------|----------|------|------|--------------|
|        |               |      | H. m. s. |      |      |              |
| 221    | Ottobre<br>28 | e.   | 2.34.40  | ---  | ---  |              |
|        |               | L.   | 2.44.30  | 25.0 | ---  |              |
|        |               | MN.  | 2.53.33  | ---  | 1.5  |              |
|        |               | ME.  | 2.52.15  | ---  | 0.8  |              |
|        |               | F.   | 3.50. -  | ---  | ---  |              |
| 222    | Novembre<br>3 | eP?  | 22.37.22 | ---  | ---  |              |
|        |               | S.   | 22.38. 3 | ---  | ---  |              |
|        |               | L.   | 22.38.37 | 12.5 | ---  |              |
|        |               | F.   | 22.35. - | ---  | ---  |              |
| 223    | 4             | eP?  | 12.22.37 | ---  | ---  |              |
|        |               | S.   | 12.28. 1 | ---  | ---  |              |
|        |               | L.   | 12.32.17 | 18.0 | ---  |              |
|        |               | MN.  | 12.42.10 | ---  | 0.5  |              |
|        |               | ME.  | 12.40.54 | ---  | 0.5  |              |
| 224    | 4             | e.   | 13.34.52 | ---  | ---  |              |
|        |               | MN.  | 13.43.10 | 18.0 | 0.5  |              |
|        |               | ME.  | 13.42.14 | 16.0 | 0.2  |              |
|        |               | F.   | 14. 2. - | ---  | ---  |              |
| 225    | 4             | i.   | 14. 4.53 | ---  | ---  |              |
|        |               | L.   | 14. 7.58 | 19.5 | ---  |              |
|        |               | MN.  | 14.13.19 | ---  | 0.7  |              |
|        |               | ME.  | 14.11.22 | ---  | 0.9  |              |
| 226    | 7             | e.   | 8. 4.11  | ---  | ---  |              |
|        |               | L.   | 8.25.57  | 14.0 | ---  |              |
|        |               | F.   | 9.15. -  | ---  | ---  |              |
|        |               |      |          |      |      |              |
| 227    | 7             | eP?  | 17.41.46 | ---  | ---  |              |
|        |               | S?   | 17.43.50 | ---  | ---  |              |
|        |               | L.   | 17.44.52 | 16.0 | ---  |              |
|        |               | MN.  | 17.46. 0 | ---  | 0.5  |              |
|        |               | ME.  | 17.45.10 | ---  | 0.4  |              |
| 228    | 8             | eP.  | 13.16.55 | ---  | ---  |              |
|        |               | S.   | 13.35. 5 | ---  | ---  |              |
|        |               | MN.  | 14.12. 0 | 19.5 | 0.2  |              |
|        |               | ME.  | 14.12. 6 | 18.0 | 0.3  |              |
|        |               | F.   | 14.55. - | ---  | ---  |              |

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