

# 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 1916.

Numero	Data	Fase	Ora	Per.	Amp.	OSSERVAZIONI
	Gennaio		H. m. s.			
1	1	P.	0.14. 8	---	---	
		S?	- .22.36	---	---	
		L.	- .31.20	14.0-18.0	---	
		MN.	- .40.28	---	0.6	
		ME.	- .37. 0	---	1.4	
		F.	1.47. -	---	---	
2	1	iP.	0.23. 3 *1	---	---	*1 Onde rapidissime.
		S?	- .23. 8	---	---	
		F.	- .24. -	---	---	
3	1	eP.	14.39.15	18.0	---	
		i.	- .42.12	---	---	
		S.	- .49.27	21.0	---	
		L.	15. 5.28	25.0	---	
		MN.	- .41.47	---	> 60.0*1	*1 La pennina sbalza fuori dal cilindro.
		ME.	- .41.50	---	>120.0*1	*1
		F.	18.15. -	---	---	
4	13	iP.	7.38.46	---	---	
		S.	- .55.10	---	---	
		L.	8.14.46	39.0-42.0	---	
		MN.	- .33.18	---	8.0	
		ME.	- .35.23	---	12.0	
		F.	Incerta	---	---	
5	13	P.	9.40.38	---	---	
		S?	- .54.56	---	---	
		L.	10.10.58	39.0	---	
		MN <sub>1</sub>	- .29.28	---	45.0	
		ME <sub>1</sub>	- .29.13	---	50.0	
		MN <sub>2</sub>	- .36.53	---	40.0	
		ME <sub>2</sub>	- .37.23	---	55.0	
		MN <sub>3</sub>	- .45.13	---	36.0	
		ME <sub>3</sub>	- .46. 0	---	38.0	
		F.	13.40. -	---	---	
6	15	L.	0.51.28	23.0	---	
		F.	7.20. -	---	---	
7	19	L.	21. 5.51	21.0	---	
		MN.	- .15.29	---	1.0	
		ME.	- .15.24	---	1.0	
		F.	- .45. -	---	---	
8	24	iP.	8. 0. 7 *1	---	---	*1 Onde rapidissime su altre più lente.
		S.	- . 2.18 *1	---	---	
		L.	- . 4.41	18.0-25.0	---	
		MN.	- . 9. 5 *2	---	>125.0	*2 La pennina esce fuori dal cilindro.
		ME.	- . 8.40	---	118.0	
		F.	10. 5. -	---	---	

## Gennaio - Febbraio 1916.

Numero	Data	Fase	Ora	Per.	Amp.	OSSERVAZIONI
	Gennaio		H. m. s.			
9	26	iP.	8.10.46	---	---	
		S.	- .43.15	---	---	
		L.	- .44.49	21.0	---	
		MN.	- .46.42	---	45.0	
		ME.	- .46.22	---	28.0	
		F.	9.15. -	---	---	
10	26	e.	13.57. 3	---	---	
		S?	14.28.56	---	---	
		L.	- .40.14	25.0	---	
		M.	- .58.21	---	0.5	
		F.	15.37. -	---	---	
11	29	e.	19.45. 9	---	---	
		L.	- .47.42	11.0	---	
		F.	- .55. -	---	---	
12	30	Pf	6. 1. 0	---	---	
		L.	- . 3.11	14.0	---	
		F.	6.16. -	---	---	
13	30	P.	12.25. 9	---	---	
		S?	- .25.30	---	---	
		L.	- .25.45	14.0	---	
		F.	- .31. -	---	---	
14	30	P.	21.57.25	---	---	
		S?	22. 9.24	---	---	
		L.	- 50.16.	23.0	---	
		MN.	23. 2.15	---	1.2	
		F.	24. 0. -	---	---	
15	31	iP.	19.27.44	---	---	
		iS.	- .35.30	---	---	
		L.	- .57.16	25.0	---	
		MN.	20. 5.40	---	7.0	
		ME.	- . 9. 0	---	10.0	
		F.	21. 5. -	---	---	
	Febbraio					
16	1	P.	8.49.12	---	---	
		S.	9. 0.18	---	---	
		L.	- .19.26	32.0	---	
		MN <sub>1</sub>	- .28. 4	---	13.0	
		ME <sub>1</sub>	- .28.49	---	27.0	
		MN <sub>2</sub>	- .36.29	---	19.0	
		ME <sub>2</sub>	- .35.14	---	21.0	
		F.	11.20. -	---	---	

Febbraio 1916.

Numero	Data	Fase	Ora	Per.	Amp.	OSSERVAZIONI
	Febbraio		H. m. s.			
17	6	iP.	12. 4.30	---	---	
		S?	- .16.20	---	---	
		L.	- .30.17	18.0	---	
		F.	13.15. -	---	---	
18	6	P?	15.29.42	---	---	
		S?	- .38.21	---	---	
		L.	- .44. 4	14.0	---	
		MN.	- .48.32	---	5.5	
		ME.	- .49.52	---	6.5	
		F.	16.25. -	---	---	
19	6,7	iP.	23. 4.26	---	---	
		S.	- .14.19	---	---	
		L.	- .28.21	28.0	---	
		MN <sub>1</sub>	- .39.57	---	18.0	
		ME <sub>1</sub>	- .46.37	---	18.0	
		MN <sub>2</sub>	- .53.17	---	20.0	
		ME <sub>2</sub>	- .58. 8	---	13.0	
		F.	1.15. -	---	---	
20	13	P.	11.39.52 <sup>*1</sup>	---	---	<sup>*1</sup> Onde rapidissime.
		F.	- .43. -	---	---	
21	15	P?	12.43.51	---	---	
		S?	- .50.26	---	---	
		L.	- .56.21	18.0	---	
		MN.	13. 2.24	---	3.0	
		ME.	- .24.14	---	4.0	
		F.	14. 8. -	---	---	
22	20	iP.	19. 0. 8	---	---	
		S.	- .10.10	---	---	
		L.	- .21.50	21.0	---	
		MN.	- .46.53	---	9.0	
		ME.	- .42.23	---	11.0	
		F.	22.10. -	---	---	
23	27,28	P.	21.33.40	---	---	
		S.	- .43.51	---	---	
		L.	- .50.24	28.0	---	
		MN.	22. 9.25	---	30.0	
		ME.	- .15.30	---	31.0	
		F.	1.25. -	---	---	
24	28	P.	14.35.35	---	---	
		L.	- .45. 9	18.0	---	
		F.	- .57. -	---	---	

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

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**POSIZIONE GEOGRAFICA** { Longitudine Est da Greenwich: 7° 41' 43"  
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 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 - Aprile 1916.

Numero	Data	Fase	Ora	Per.	Amp.	OSSERVAZIONI
			H. m. s.			
25	Marzo 12	P.	4.25.25 *1	---	---	*1 Onde rapidissime. *2 Onde rapidissime su altre più lente.
		S.	- 26.31 *2	---	---	
		L.	- 26.55	18.0	---	
		MN.	- 28.55	---	11.0	
		ME.	- 28. 5	---	15.0	
		F.	5.25. -	---	---	
26	12	e.	8.56. 5	---	---	
		L.	9.12.10	21.0	---	
		M.	- 24.20	---	0.5	
		F.	10. 5. -	---	---	
27	17	e.	0. 4.19	---	---	
		L.	- 24.33	18.0	---	
		F.	- 40. -	---	---	
28	18	eP.	2. 8.41	---	---	
		iS.	- 18.43	---	---	
		L.	- 40.36	23.0	---	
		MN.	- 49.55	---	0.6	
		ME.	- 50.48	---	0.7	
		F.	3.15. -	---	---	
29	26	L.	1.41.10	18.0	---	
		MN.	- 50. 7	---	0.8	
		ME.	- 48.57	---	1.7	
		F.	2.20. -	---	---	
30	28	L.	9.13.36	25.0	---	
		F.	- 32. -	---	---	
31	30	eL.	3.31.20	18.0	---	
		MN.	- 36.22	---	0.4	
		ME.	- 34.40	---	0.7	
		F.	- 58. -	---	---	
32	31	L.	12.49.16	21.0	---	
		MN.	- 54.17	---	0.6	
		ME.	- 59.22	---	0.6	
		F.	13.15. -	---	---	
	Aprile					
33	3	P?	11.46. 4	---	---	
		L.	- 58. 4	18.0	---	
		F.	12.55. -	---	---	
34	5	e.	21.44.58	---	---	
		S?	- 53.19	---	---	
		L.	22. 7.26	18.0	---	
		MN.	- 18.50	---	1.5	
		ME.	- 11.15	---	0.8	
		F.	23.10. -	---	---	

Aprile 1916.

Numero	Data	Fase	Ora	Per.	Amp.	OSSERVAZIONI
			H. m. s.			
	Aprile					
35	6	L.	20.45.33	14.0	---	
		F.	- 58. -	---	---	
36	7	iP.	10.39. 0 *1	---	---	*1 Onde rapidissime su altre più lente.
		S.	- 49.30	20.5	5.0	
		L.	11. 4. 0	42.0	---	
		MN.	- 23.45	---	19.0	
		ME.	- 25.25	---	18.0	
		F.	14.15. -	---	---	
37	7	eP?	16.27.35	---	---	
		L.	- 54.46	21.0	---	
		F.	18.12. -	---	---	
38	9	eP?	12.30.12	---	---	
		L.	- 34.16	14.0	---	
		F.	- 40. -	---	---	
39	11	e.	4.35.41	---	---	
		L.	5. 3. 8	18.0	---	
		F.	- 40. -	---	---	
40	15	i.	13.56.15 *1	---	---	*1 Traccia molto confusa a causa di vento forte.
		L.	14.22.52	20.0	---	
		MN.	- 36.35	---	2.0	
		ME.	- 33.54	---	1.8	
		F.	16. 5. -	---	---	
41	18	P.	5.13.43	---	---	
		iS.	- 23.50	---	---	
		L.	- 35.32	39.0	---	
		MN.	- 54.40	---	2.0	
		ME.	- 56.35	---	1.5	
		F.	8. 3. -	---	---	
42	21	P.	12.44.49	---	---	
		iS.	- 54.33	---	---	
		L.	13. 4. 6	25.0-35.0	---	
		MN.	- 26.42	---	6.0	
		ME.	- 24.52	---	15.0	
		F.	15. 3. -	---	---	
43	21	P?	15. 4.39	---	---	
		S.	- 11.13	---	---	
		L.	- 16.34	21.0	---	
		F.	- 45. -	---	---	
44	22	eP.	5.34.27	---	---	
		S?	- 35.17	---	---	
		L.	- 36. 0	---	---	
		F.	- 50. -	---	---	

Aprile - Maggio 1916.

Numero	Data	Fase	Ora	Per.	Amp.	OSSERVAZIONI	
			H. m. s.				
45	21	iP.	5.37.54	---	---		
		iS.	- .46.23	---	---		
		L.	- .53.55	25.0-32.0	---		
		F.	6.55. -	---	---		
46	21	iP.	9.14.35	---	---		
		iS.	- .25. 6	16.0	5.5		
		L.	- .32.36	25.0-32.0	---		
		MN.	- .51.45	---	10.0		
		ME.	- .51.49	---	31.0		
		F.	12.10. -	---	---		
47	26	eP.	3.33.54	---	---		
		i.	- .34. 9	---	---		
		iS.	- .44.12	---	---		
		L.	- .53.11	28.0	---		
		MN.	4. 5.13	---	2.5		
		ME.	- . 4.48	---	4.0		
		F.	5.25. -	---	---		
48	26	eP?	7.35.58	---	---		
		S?	- .48.28	---	---		
		L.	8.15.26	18.0	---		
		F.	9.45. -	---	---		
Maggio	49	1	eP?	11.25.19	---	---	
			S.	- .26.19	---	---	
			MN.	- .27.15	---	0.5	
			ME.	- .27.19	---	1.0	
			F.	- .33. -	---	---	
50	3	L.	6.38.58	21.0	---		
			F.	7.49. -	---	---	
51	8	e.	16.53.56	---	---	Traccia molto confusa; pare si tratti di due scosse successive.	
			L.	17. 6.14	19.0		---
			F.	17.37. -	---		---
52	8	P?	17. 9. 9	---	---		
			S.	- .12.14	---	---	
			F.	Incerta	---	---	
53	9	P.	15.56.24	---	---		
			S.	16. 6. 7	---	---	
			L.	- .14.14	21.0	---	
			MN.	- .25.16	---	1.0	
			ME.	- .30.26	---	0.5	
			F.	17. 5. -	---	---	

(Continua)

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Maggio 1916.



Giugno 1916.

Numero	Data	Fase	Ora	Per.	Amp.	OSSERVAZIONI
	Maggio		H. m. s.			
54	10	e. F.	22.14.41 - .20. -	---	---	
55	10/11	e. S. L. F.	22.49. 9 - .59.17 23.15.23 24.18. -	---	---	
56	11	L. F.	11.47.27 12.15. -	25.0	---	
57	11	e. F.	17.26.11 - .45. -	---	---	
58	13	L. F.	3.49.10 - .56. -	14.0	---	
59	13	L. F.	6.51.12 7.23. -	18.0	---	
60	17	P. iS. MN. Me. F.	13.51.5 #1 - .52.10 - .53.53 - .54.13 15. 5. -	---	---	*1 Onde rapidissime su altre più lente.
61	17	e. L. F.	15.53.43 16. 8. 5 17.12. -	---	---	
62	20	eP? S? L. MN. Me. F.	23.17.52 - .20.31 - .22.34 - .23.48 - .25.20 - .47. -	---	---	
63	23/24	eP? S? L. F.	23.54.45 24. 1. 1 - . 5.21 - .45. -	---	---	
64	30	e. L. F.	11. 2. 8 - . 9.14 12. 3. -	---	---	
65	30	e. L. F.	19.14.46 - .24.35 20. 8. -	---	---	

Numero	Data	Fase	Ora	Per.	Amp.	OSSERVAZIONI
	Giugno		H. m. s.			
66	1	e. L. M. F.	15.59.24 16. 8.32 - .15.40 - .30. -	---	---	
67	2	e. L. F.	1.45.36 - .57.36 2.22. -	---	---	
68	2	P. iS. L. MN. Me. F.	15.12.28 - .22.17 - .39.49 - .50. 5 - .50.40 16.15. -	---	---	
69	5	L. F.	15.30.24 16.12. -	18.0	---	
70	9	e. L. F.	17.31.27 - .41.30 18. 7. -	---	---	
71	9/10	P. S. L. MN. Me. F.	22.42.55 - .53. 0 23. 7.28 - .31. 0 - .29.47 24.15. -	---	---	
72	14	iP. S. L. M. F.	15.23.34 - .28.15 - .32.31 - .37.50 16.15. -	---	---	
73	15	eP? S? L. MN. Me. F.	12.41.21 - .50.30 13. 7.43 - .28.48 - .26.33 14.20. -	---	---	
74	15	e. L. F.	15.34.32 - .42.44 16. 4. -	---	---	

Giugno 1916.

Numero	Data	Fase	Ora	Per.	Amp.	OSSERVAZIONI
			H. m. s.			
75	Giugno 15	iP.	17.35.21	---	---	
		S.	- .39.28	---	---	
		L.	- .43.46	18.0	---	
		MN.	- .50.43	---	0.6	
		ME.	- .53.57	---	0.5	
		F.	18.10. -	---	---	
76	16	P.	2.27. 8 *1	---	---	*1 Onde rapidissime.
		S.	- .27.53 *2	10.0	---	*2 Onde rapidissime su altre più lente.
		M.	- .28.54	10.0	1.2	
		F.	- .41. -	---	---	
77	18 19	e.	23.41.48	---	---	
		F.	0. 5. -	---	---	
78	19	e.	2.39.54	---	---	
		Sf	- .47.45	---	---	
		L.	3. 1.59	19.0	---	
		F.	4. 2. -	---	---	
79	19	iP.	5. 6.46	---	---	
		S.	- .12. 4	---	---	
		L.	- .17.48	21.0	---	
		F.	- .55. -	---	---	
80	19	eL.	19.41.31	18.0	---	
		F.	20. 4. -	---	---	
81	19	e.	22. 3.21	---	---	
		L.	- . 5.27	12.0	---	
		F.	- .16. -	---	---	
82	20	e.	8.39.24	---	---	
		L.	- .44.34	19.0	---	
		F.	9.15. -	---	---	
83	21	e.	2.37.26	---	---	
		L.	- .55.24	12.0	---	
		F.	3.12. -	---	---	
84	21	e.	12.46.23	---	---	
		L.	- .51.32	16.0	---	
		F.	13.15. -	---	---	
85	21	e.	21. 9.27	---	---	
		Sf	- .17.32	---	---	
		L.	- .24.44	18.0	---	
		F.	- .52. -	---	---	

( Continua )

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.
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- ME. = » » E.
- F. = Fine.
- e. = Emersio.
- i. = Impetus.
- Per. = Periodo completo in secondi.
- Amp. = Semi ampiezza in millim.
- O. = Pendoli orizzontali.
- V. = Pendolo verticale.

## Giugno - Luglio 1916.

Numero	Data	Fase	Ora	Per.	Amp.	OSSERVAZIONI
			H. m. s.			
86	Giugno 21 22	P.	22.45.16	---	---	
		S.	- .52.10	---	---	
		L.	- .57.27	21.0	---	
		MN.	- .59.53	---	4.0	
		ME.	23. 1.13	---	4.0	
		F.	1.10. -	---	---	
87	23	e.	16.45.20	---	---	
		L.	- .57.52	21.0	---	
		F.	18. 1. -	---	---	
88	21	P?	5.20. 2	---	---	
		S?	- .27.15	---	---	
		L.	- .32.20	19.0	---	
		MN.	- .38.47	---	0.5	
		ME.	- .39. 7	---	0.5	
		F.	6.12. -	---	---	
89	24	e.	8. 9.20	---	---	
		L.	- .24.20	20.0	---	
		F.	9.25. -	---	---	
90	25	i.	11.19.10	---	---	
		L.	- .23.40	16.0	---	
		F.	- .52. -	---	---	
91	25	e.	16.45.19	---	---	
		L.	17.16.23	14.0	---	
		F.	18.51. -	---	---	
92	25	eL.	20. 4.25	20.0	---	
		F.	- .30. -	---	---	
93	28	e.	19.11.57	---	---	
		L.	- .18.40	14.0	---	
		F.	- .27. -	---	---	
94	30	P.	4.13.16	---	---	
		S.	- .23.55	---	---	
		L.	- .32.36	32.0	---	
		MN <sub>1</sub>	- .24.27	21.0	2.5	
		MN <sub>1</sub>	- .26. 7	18.0	4.0	
		MN <sub>2</sub>	- .48.32	21.0	2.5	
		MN <sub>2</sub>	- .58. 7	18.0	3.0	
		F.	7.50. -	---	---	
95	Luglio 2	L.	15.42.30	16.0	---	
		F.	16. 7. -	---	---	

Numero	Data	Fase	Ora	Per.	Amp.	OSSERVAZIONI
			H. m. s.			
96	Luglio 2	e.	16.33.48	---	---	
		L.	- .40.23	14.0	---	
		F.	17. 0. -	---	---	
97	2	e.	18.35.16	---	---	
		L.	- .40. 8	14.0	---	
		M.	- .43.13	---	1.0	
		F.	19.48. -	---	---	
98	2	eL.	20.42.22	18.0	---	
		F.	- .21.25	---	---	
99	2	e.	21.34.32	---	---	
		L.	- .37.35	18.0	---	
		F.	22.11. -	---	---	
100	3	e.	14.49.22	---	---	
		L.	- .59.40	14.0	---	
		F.	15. 6. -	---	---	
101	4	eP?	6. 8. 9	---	---	
		L.	- . 9.12	12.0	---	
		M.	- . 9.34	---	1.1	
		F.	- .20. -	---	---	
102	4	e.	12.53.21	---	---	
		L.	- .59. 0	18.0	---	
		F.	13.34. -	---	---	
103	4	e.	16.17.32	---	---	
		L.	- .30.33	16.0	---	
		F.	17.15. -	---	---	
104	4	e.	20.55.54	---	---	
		S?	- .59.29	---	---	
		L.	21. 6.44	21.0	---	
		M.	- .10. 8	---	0.7	
105	4	eP?	22.37.25	---	---	
		L.	- .41.25	14.0	---	
		F.	- .58. -	---	---	
106	4	e.	23. 2.32	---	---	
		L.	- . 3.21	9.0	---	
		F.	- .14. -	---	---	
107	5	e.	3.53.32	---	---	
		S?	- .58.29	---	---	
		L.	4. 1.50	28.0	---	
		M.	- .15.34	---	5.0	
		F.	5. 5. -	---	---	

Registrazione incerta a causa del vento.



Numero	Data	Fase	Ora	Per.	Amp.	OSSERVAZIONI
	Luglio		H. m. s.			
108	7	L.	17.35.15	14.0	---	
		F.	18.28. -	---	---	
109	7	e.	23. 0.46	---	---	
		L.	- . 9.13	19.0	---	
		F.	- 22. -	---	---	
110	8	P.	10.53.15	---	---	
		Sf	11. 3. 2	---	---	
		L.	- .12.34	14.0	---	
		F.	12.30. -	---	---	
111	11	e.	13.56.28	---	---	
		L.	14.33.29	18.0	---	
		F.	15.10. -	---	---	
112	12	eL.	16.36.40	18.0	---	
		F.	- .51. -	---	---	
113	13	e.	1.50.28	---	---	
		L.	- .55.37	14.0	---	
		F.	2. 6. -	---	---	
114	13	L.	8.53.27	---	---	
		F.	9. 7. -	---	---	
115	13	e.	16.50.14	---	---	
		L.	- .59.45	21.0	---	
		F.	17.30. -	---	---	
116	14	P.	21.28. 5 *1	---	---	*1 Onde rapidissime. *2 - " " sovrapposte ad onde lente.
		S.	- .29.30 *2	---	---	
		L.	- .30.23 *2	18,0-23,0	---	
		MN.	- .31.38	---	3.5	
		ME.	- .30.57	---	4.0	
		F.	- .53. -	---	---	
117	15	e.	9.7.22	---	---	
		L.	- .14.19	12.0	---	
		F.	- .30. -	---	---	
118	15	e.	18.58.23	---	---	
		L.	19.12. 6	14.0	---	
		F.	20.10. -	---	---	
119	16	eP1	19.37.37	---	---	
		Sf	- .46.41	---	---	
		L.	20. 2.32	21.0	---	
		MN.	- .13.44	---	2.0	
		ME.	- .12.19	---	2.0	
		F.	- .52. -	---	---	

(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.  
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#### ABBREVIAZIONI.

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Luglio 1916.

Numero	Data	Fase	Ora	Per.	Amp.	OSSERVAZIONI
			H. m. s.			
120	Luglio 17	e. L. F.	2. 6.40 - .12.32 3. 2. -	--- 16.0 ---	--- --- ---	
121	21	L. F.	7.34.40 8. 6. -	18.0 ---	--- ---	
122	21	e. L. F.	9.32.38 - .45.34 10.16. -	--- 18.0-21.0 ---	--- --- ---	
123	21-22	e. L. F.	23.30.27 - .35. 0 0.20. -	--- 18.0 ---	--- --- ---	
124	22	e. L. F.	7.17.41 - .39.52 9.10. -	--- 19.0 ---	--- --- ---	
125	23	e. S? L. F.	11.41. 9 - .54.16 12.18.38 - .44. -	--- --- 18.0 ---	--- --- --- ---	
126	24	e. L. F.	14.30.58 - .35.52 15. 8. -	--- 18.0 ---	--- --- ---	
127	27	e. F.	1.52.51 2.14. -	--- ---	--- ---	
128	27	eP? S? L. F.	4. 9.58 - .13.14 - .15.52 - .28. -	--- --- 21.0 ---	--- --- --- ---	
129	27	P. S? L. F.	13. 4.57 - .15.43 - .25.18 14.20. -	--- --- 18.0 ---	--- --- --- ---	
130	27	P. F.	19.38.50 *1 - .45. -	32.0 21.0	--- 2.5	*1 Onde rapidissime.
131	28	eP. S. L. F.	18.50. 9 19. 0.30 - .18. 0 20. 0. -	--- --- 18.0 ---	--- --- --- ---	
132	29	e. F.	20.50.44 21. 0. -	--- ---	--- ---	

Numero	Data	Fase	Ora	Per.	Amp.	OSSERVAZIONI
			H. m. s.			
133	Luglio 31	eP? S? L. F.	1. 1.40 - . 8.14 - .13.10 - .54. -	--- --- 18.0 ---	--- --- --- ---	
134	Agosto 3	eP. i. S. L. Mx. Me. F.	2.48.59 - .51. 3 - .58.47 3. 8.20 - .38.50 - .38.40 5.15. -	--- --- --- 25.0 --- --- ---	--- --- --- --- 5.0 10.0 ---	
135	3	e. L. F.	16. 1.10 - . 8.23 - .20. -	--- 16.0 ---	--- --- ---	
136	3	e. L. F.	23.33.25 - .48.23 - .58. -	--- 11.0 ---	--- --- ---	
137	5	e. L. F.	0.53. 0 1.24.12 - .35. -	--- 18.0 ---	--- --- ---	
138	5	e. L. F.	2. 3. 0 - .13.25 - .30. -	--- 14.0 ---	--- --- ---	
139	6,7	e. L. F.	23.51.17 0.40.33 1.24. -	--- 21.0 ---	--- --- ---	
140	8	eP? S. L. Mx. Me. F.	5.43.56 - .54.51 6. 9.24 - .20.43 - .26. 8 7.20. -	--- --- 21.0 --- --- ---	--- --- --- 1.4 1.5 ---	
141	8	eP. L. Mx. Me. F.	20.15.36 - .41.23 - .54.33 - .48.58 21.18. -	--- 18.0 --- --- ---	--- --- 0.5 0.5 ---	
142	14	L. F.	22.41.16 23.25. -	14.0 ---	--- ---	
143	15	eL. F.	1.38.56 2.10. -	--- ---	--- ---	

Agosto 1916.

Numero	Data	Fase	Ora	Per.	Amp.	OSSERVAZIONI
	Agosto		H. m. s.			
144	15	P.	8.32.0 *1	---	---	*1 Onde rapidissime.
		S.	- .32.48 *2	---	---	*2 " " " su altre più lente.
		L.	- .33.24 *2	19.0	---	
		MN.	- .34.18	---	2.5	
		ME.	- .33.53	---	2.0	
		F.	- .45. -	---	---	
145	15	P.	8.49.59 *1	---	---	
		S.	- .50.51 *2	---	---	
		L.	- .51.21 *2	18.0	---	
		MN.	- .52.28	---	2.0	
		ME.	- .51.58	---	1.5	
		F.	9.10. -	---	---	
146	15	e.	9. 3.57	---	---	
		F.	- . 9. -	---	---	
147	15	eP?	9.33.32 *1	---	---	
		S?	- .34.24 *2	---	---	
		F.	- .38. -	---	---	
148	15	P.	10.19. 5 *1	---	---	
		S.	- .19.53 *2	12.0	---	
		L.	- .20.26 *2	21.0	---	
		MN.	- .20.51	---	8.0	
		ME.	- .21.38	---	6.5	
		F.	- .32. -	---	---	
149	15	P.	15. 1. 1 *1	---	---	
		S.	- . 1.47 *2	---	---	
		L.	- . 2.26 *2	18.0	---	
		MN.	- . 3. 9	---	7.5	
		ME.	- . 5.39	---	7.0	
		F.	- .17. -	---	---	
150	15	P.	15.20.25 *1	---	---	
		S.	- .21.10 *2	---	---	
		MN.	- .22.54	---	1.0	
		ME.	- .23.24	---	2.0	
		F.	- .32. -	---	---	
151	15	P.	15.58.26 *1	---	---	
		S.	- .59. 4 *2	---	---	
		L.	- .59.52 *2	18.0	---	
		F.	16. 6. -	---	---	

(Continua)

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



Anno 1916.

N.º 6.

# BOLLETTINO Meteorologico e Geodinamico

dell'Osservatorio del Real Collegio Carlo Alberto

MONCALIERI

## OSSERVAZIONI SISMICHE

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" " " " E. . . . .	" 20,3	Ingrandimento . . . . .	1:50
Ingrandimento . . . . .	1:25	Velocità oraria . . . . .	cm. 100
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Agosto 1916.

Numero	Data	Fase	Ora	Per.	Amp.	OSSERVAZIONI
	Agosto		H. m. s.			
152	15	P.	17.39.50 *1	---	---	*1 Onde rapidissime. *2 Onde rapidissime su altre più lente.
		S.	- .40.34 *2	---	---	
		L.	- .41. 0 *2	25.0	---	
		MN.	- .41.50	---	5.0	
		ME.	- .42.45	---	3.5	
		F.	- .55. -	---	---	
153	15	P.	18.45.59 *1	---	---	
		S.	- .46.43 *2	---	---	
		Lf	- .47. 4 *2	11.0	---	
		F.	- .57. -	---	---	
154	15	P.	22. 4.59 *1	---	---	
		S.	- . 5.50 *2	---	---	
		L.	- . 6.10 *2	14.0	---	
		MN.	- . 6.51	---	2.0	
		ME.	- . 6.49	---	1.8	
		F.	- .16. -	---	---	
155	16	e.	7.49.23	---	---	
		Sf	- .59. 8	---	---	
		F.	8. 3. -	---	---	
156	16	iP.	8. 7.24	---	---	
		iS.	- . 8.16	---	---	
		L.	- . 8.48	18.0	---	
		MN.	- .10. 9	---	45.0	
		ME.	- .10.19	---	26.0	
		F.	9. 5. -	---	---	
157	16	P.	9.16. 1	---	---	
		S.	- .16.53	---	---	
		L.	- .17.25	19.0	---	
		M.	- .18.54	---	4.0	
		F.	- .45. -	---	---	
158	16	P.	10.45.30	---	---	
		S.	- .46.13	---	---	
		L.	- .46.43	12.0	---	
		ME.	- .48.20	---	1.0	
		F.	11. 0. -	---	---	
159	16	e.	11.35.11	---	---	
		F.	- .45. -	---	---	
160	16	e.	12. 4.27	---	---	
		F.	- .15. -	---	---	
161	16	L.	13.56.25	---	---	
		F.	14. 0. -	---	---	

Agosto - Settembre - Ottobre 1916.

Numero	Data	Fase	Ora	Per.	Amp.	OSSERVAZIONI
	Agosto		H. m. s.			
162	16	eP?	16.15.28	---	---	Dal giorno 16 Agosto al 25 Settembre non è possibile dare risultati sicuri dalle molte registrazioni avutesi in tale periodo di tempo, a causa del cattivo funzionamento dei Cronografi.
		S.	- .16.12	---	---	
		L.	- .17.10	14.0	---	
		F.	- .28. -	---	---	
163	16	e.	16.46.14	---	---	
		F.	- .58. -	---	---	
164	27	eP?	16. 5.12	---	---	
		S?	- . 8.28	---	---	
		L.	- .10.10	16.0	---	
		MN.	- .11.38	---	10.0	
		ME.	- .13.23	---	9.0	
		F.	- .55. -	---	---	
165	28	e.	0.23. 0	---	---	
		L.	- .32.18	18.0	---	
		F.	1. 5. -	---	---	
166	29	eP.	20.18.52	---	---	
		S?	- .29. 0	---	---	
		L.	- .36.12	21.0	---	
		MN.	- .51. 2	---	1.0	
		ME.	- .50.42	---	1.5	
		F.	21.48. -	---	---	
167	1	e.	4.39. 0	---	---	
		L.	5. 4.58	21.0	---	
		F.	- .54. -	---	---	
168	3	P.	2.39.50	---	---	
		S.	- .50.36	---	---	
		L.	3. 1.25	35.0	---	
		MN <sub>1</sub>	- .22.40	---	9.0	
		ME <sub>1</sub>	- .23.10	---	16.0	
		MN <sub>2</sub>	- .25.15	---	7.0	
		ME <sub>2</sub>	- .25. 5	---	23.0	
		F.	6.30. -	---	---	
169	9	e.	6.17. 3	---	---	
		L.	- .19.43	18.0	---	
		F.	- .35. -	---	---	
170	11	e.	4.13.37	---	---	
		L.	- .16.37	18.0	---	
		ME.	- .18.51	---	1.0	
		F.	- .30. -	---	---	

Numero	Data	Fase	Ora	Per.	Amp.	OSSERVAZIONI
			H. m. s.			
171	11	e.	12.26.11	---	---	
		L.	- .44. 5	21.0	---	
		F.	.13.25 -	---	---	
172	11	e.	19.25.30	---	---	
		S.	- .33.23	---	---	
		L.	- .43.33	18.0	---	
		F.	21.45. -	---	---	
173	14	eL.	21.22. 6	14.0	---	
		F.	- .38. -	---	---	
174	20	iP.	18.25. 5	---	---	
		Sf	- .37.51	---	---	
		L.	- .48.20	21.0	---	
		MN.	19.33.10	---	2.0	
		ME.	- .38.42	---	3.0	
		F.	21.0. -	---	---	
175	21	e.	20.47.26	---	---	
		L.	- .57.49	21.0	---	
		M.	21.16. 0	---	0.5	
		F.	- .45. -	---	---	
176	22	e.	0. 1.36	---	---	
		L.	- .16.53	18.0	---	
		F.	- .50. -	---	---	
177	23	L.	11.44.23	18.0	---	
		F.	12. 6. -	---	---	
178	23	L.	12.16.25	25.0	---	
		F.	13.12. -	---	---	
179	23	L.	20.13.24	18.0	---	
		F.	- .24. -	---	---	
180	25	eL.	14.12.35	12.0	---	
		F.	- .25. -	---	---	
181	26	L.	4. 7.24	19.0-16.0	---	
		F.	- .28. -	---	---	
182	26	L.	7.23.26	32.0-25.0	---	
		F.	- .48. -	---	---	
183	26	L.	20.22. 6	18.0	---	
		F.	- .33. -	---	---	

( Continua )

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 1916.

Numero	Data	Fase	Ora		Per.	Amp.	OSSERVAZIONI
			H. m. s.				
184	Ottobre 31	P.	16.43.10	---	---		
		i.	- .43.21	---	---		
		iS.	- .53.37	---	---		
		L.	- .59. 8	28.0-21.0	---		
		MN.	17.25.52	---	26.0		
		Me.	- .25.47	---	35.0		
		F.	19.20. -	---	---		
185	Novembre 3/4	eL.	23.34.16	18.0	---		
		MN.	- .46.42	---	0.7		
		Me.	- .46.17	---	1.0		
		F.	0.10. -	---	---		
186	10	L.	10.57.11	14.0	---		
		F.	11.19. -	---	---		
187	11	eL.	15.46.13	18.0	---		
		F.	16.45. -	---	---		
188	11	eL.	17.34.36	21.0-14.0	---		
		F.	18.15. -	---	---		
189	13	e.	14.10.19	---	---		
		L.	- .18.46	21.0	---		
		F.	- .55. -	---	---		
190	14	e.	15. 3.45	---	---		
		L.	- .10.36	18.0	---		
		F.	- .23. -	---	---		
191	14 15	iP.	23.55.13	---	---		
		S.	0. 5.21	---	---		
		L.	- .16.35	18.0	---		
		MN.	- .31. 0	---	1.2		
		Me.	- .23.15	---	1.5		
		F.	1.10. -	---	---		
192	16	e.	0.18. 9	---	---		
		L.	- .26. 0	21.0	---		
		F.	1.22. -	---	---		
193	16	eP.	7.37. 5 *1	---	---		
		S?	- .38. 9 *2	21.0	---		
		M.	- .38.20	---	1.5		
		F.	- .50. -	---	---		
194	16	L.	10.56.14	14.0	---		
		F.	11. 4. -	---	---		

\*1 Onde rapidissime.  
\*2 Onde rapidissime su altre più lente.

Novembre 1916.

Numero	Data	Fase	Ora		Per.	Amp.	OSSERVAZIONI
			H. m. s.				
195	Novembre 16	eL.	23.38.16	14.0	---		
		F.	0. 0. -	---	---		
196	21	iP.	7.43. 7	---	---		
		S.	- .56.50	---	---		
		L.	8. 6.24	25.0-21.0	---		
		MN.	- .17.14	---	1.2		
		Me.	- .17.54	---	4.5		
		F.	9. 5. -	---	---		
197	24	e.	5.45.27	---	---		
		L.	- .49.55	21.0	---		
		F.	6.16. -	---	---		
198	24	P.	13.16.22	---	---		
		iS.	- .23.44	---	---		
		L.	- .28.37	21.0	---		
		MN.	- .37.18	---	4.0		
		Me.	- .35.28	---	9.0		
199	25	eL.	0.40.20	18.0	---		
		F.	1. 5. -	---	---		
200	25	e.	3. 9.23 *1	---	---		
		L.	- .11.48	19.0	---		
		MN.	- .14.36	---	2.5		
		Me.	- .13.58	---	1.5		
		F.	- .30. -	---	---		
101	25	eP?	22. 4.53	---	---		
		S?	- . 9.15	---	---		
		L.	- .12.45	18.0	---		
		M.	- .19.18	---	1.0		
		F.	- .27. -	---	---		
202	29	eP?	21.39.25	---	---		
		S?	- .43. 0	---	---		
		M.	- .44.51	---	14.0		
		F.	22. 2. -	---	---		
203	30	P?	4.28.59	---	---		
		iS.	- .37.56	---	---		
		L.	- .44.48	18.0	---		
		MN.	- .54.22	---	0.7		
		Me <sub>1</sub>	- .57.37	---	1.0		
		Me <sub>2</sub>	5. 7.27	---	2.0		
		F.	6.12. -	---	---		

\*1 Inizio incerto per forti pulsazioni.

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Per.	=	Periodo completo in secondi.
Amp.	=	Semi ampiezza in millim.
O.	=	Pendoli orizzontali.
V.	=	Pendolo verticale.

Dicembre 1916.

Numero	Data	Fase	Ora	Per.	Amp.	OSSERVAZIONI
			H. m. s.			
204	Dicembre 1	e. L. F.	23.10.19 - .21.17 - .55. -	18.0	---	
205	2	L. F.	14.37.18 - .15.22	19.0	---	
206	4	L. F.	10. 0.34 - .15. -	18.0	---	
207	6 7	eP? S? L. F.	23.21.51 - .31.44 - .39.28 0.20. -	15.0	---	
208	7	eL. F.	1.42.25 2.12. -	12.0	---	
209	7	i. L. F.	4.22.16 - .50.10 6. 5. -	15.0	---	
210	7	P. M. F.	13.15.53 *1 - .16. 0 - .18.30.	3.5	1.5	*1 Onde rapidissime.
211	8	e. L. F.	4.49.50 5.10.35 6.55. -	21.0	---	
212	11	P? S? L. F.	20.14.10 *1 - .15.13 - .16. 0 - .21. -	18.0	---	*1 Onde rapidissime.
213	25	iP. iS. L. MN. ME. F.	18. 5.10 - .15.35 - .22.50 - .41.35 - .46.20 19.45. -	18.0	0.7 0.6	
214	19 20	L. M. F.	23.58. 9 0. 1.48 0.10. -	18.0	0.5	
215	21	eL. F.	11.49.17 12.15. -	21.0	---	

Numero	Data	Fase	Ora	Per.	Amp.	OSSERVAZIONI
			H. m. s.			
216	Dicembre 22	eL. F.	17.57.11 18.14. -	16.0	---	
217	23	P. S. L. MN. ME. F.	10.42. 1 - .51. 1 11. 4.26 - .24. 0 - .21.30 12.28. -	21.0-24.0	4.0 25.0	
218	25	P? S. F.	11.31.21 - .33.11 - .43. -	---	---	
219	26	e. L. F.	21.30.41 - .46.54 22.32. -	12.0	---	
220	27/28	e. L. F.	23.10.10 - .43.30 0.20. -	20.0	---	
221	28	e. L. F.	23.27. 4 - .30. 0 - .42. -	16.0	---	

( Fine. )

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