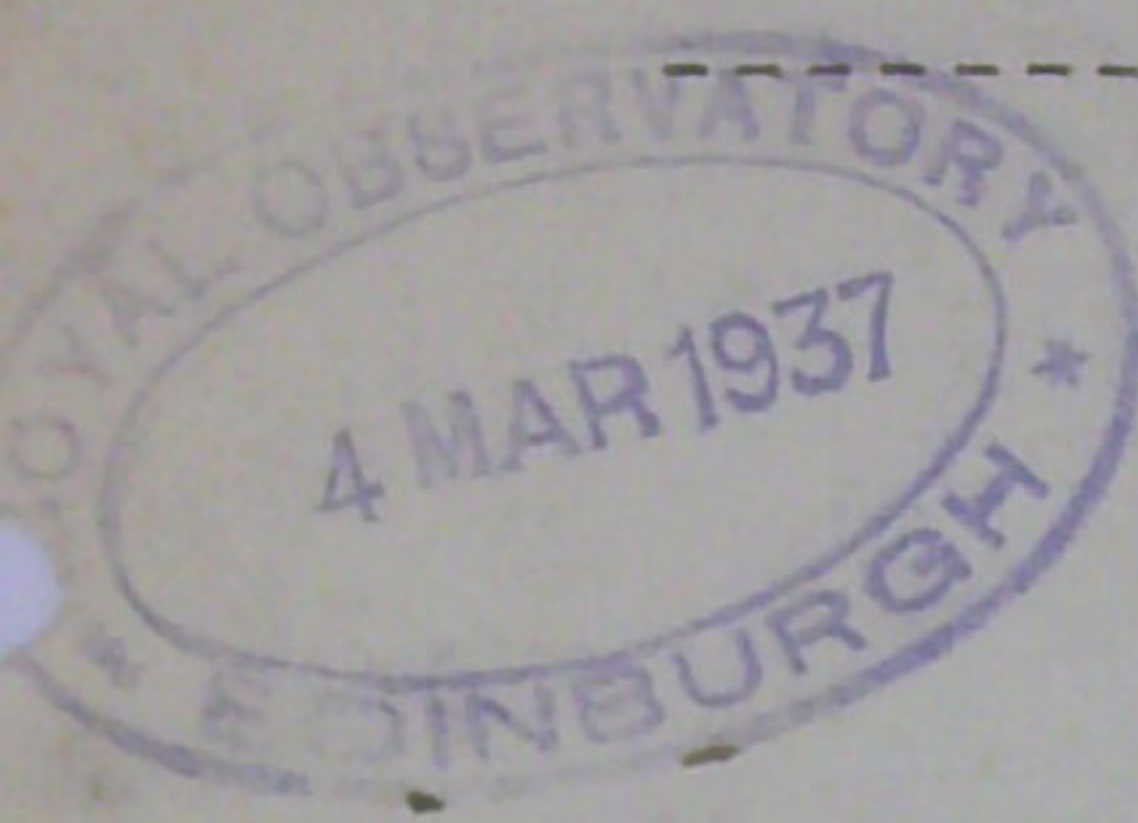




OBSERVATOIRE GEOPHYSIQUE DU PARC SAINT-MAUR  
Long.  $2^{\circ}29'37''$ E. Gr. Lat.  $48^{\circ}48'34''$ N. Altitude 47m.

Appareil: Séismographe Wiechert masse 1000kg.  
Cte. N: T. =  $11^{\circ}4$ ;  $\xi = 4,0$ ; V = 222. Cte E: T. =  $11^{\circ}5$ ;  $\xi = 4,0$ ; V = 232.

Bulletin séismique du 1er au 31 Janvier 1937  
par C.-E. Brazier et L. Genaux.

| Dates. | Phases.         | T.   | M.     | Gr. | T <sub>N</sub> | T <sub>E</sub> | A <sub>N</sub> | A <sub>E</sub> | Remarques.          |
|--------|-----------------|------|--------|-----|----------------|----------------|----------------|----------------|---------------------|
| 2      | iP              | 14   | 9      | 1   | S              | S              | $\mu$          | $\mu$          |                     |
|        | L               |      | 18     |     |                |                |                |                |                     |
|        | F               |      | 40     |     |                |                |                |                |                     |
| 2      | traces          | 23   | 22     | 38  |                |                |                |                | V. Galitzine.       |
| 4      | eL              | 23   | 57     |     |                |                |                |                | forte agitation     |
| 5      | F               | 0    | 18     |     |                |                |                |                |                     |
| 5      | eL              | 1    | 8      |     |                |                |                |                | V. Galitzine        |
|        | F               |      | 32     |     |                |                |                |                |                     |
| 5      | traces          | 5h52 | à 6h10 |     |                |                |                |                | id.                 |
| 5      | e               | 22   | (24)   |     |                |                |                |                |                     |
|        | L               |      | 27     |     |                |                |                |                |                     |
|        | M <sub>1</sub>  |      | 36     |     | 17             | 18             | 11             | 11             |                     |
|        | M <sub>2</sub>  |      | 37-38  |     |                | 15             |                | 11             |                     |
|        | F               | 23   | 17     |     |                |                |                |                |                     |
| 7      | e               | 6    | (25)   |     |                |                |                |                |                     |
|        | L               |      | 54     |     |                |                |                |                |                     |
|        | M <sub>1</sub>  | 7    | 2-3    |     |                | 25             |                | 20             |                     |
|        | M <sub>2</sub>  |      | 5-6    |     | 18             | 23             | 13             | 16             |                     |
|        | F               |      | 32     |     |                |                |                |                |                     |
| 7      | eP              | 13   | 31     | 34  |                |                |                |                | $\Delta = 7500$ Km. |
|        | PR <sub>1</sub> |      | 34     | 6   |                |                |                |                | Epic. Thibet.       |
|        | PR <sub>2</sub> |      | 35     | 44  |                |                |                |                |                     |
|        | iS              |      | 40     | 36  |                |                |                |                |                     |
|        | ePS             |      | 41     | 47  |                |                |                |                |                     |
|        | SR?             |      | 44     | 59  |                |                |                |                |                     |
|        | L               |      | 48     |     |                |                |                |                |                     |
|        | M <sub>1</sub>  | 14   | 2-3    |     | 18             |                | 400            |                |                     |
|        | M <sub>2</sub>  |      | 3-4    |     | 15             | 16             | 250            | 180            |                     |
|        | M <sub>3</sub>  |      | 4-5    |     | 16             | 19             | 260            | 560            |                     |
|        | M <sub>4</sub>  |      | 6-7    |     |                | 16             |                | 270            |                     |
|        | F               | 17   | 45     |     |                |                |                |                |                     |
| 7      | eL              | 18   | 24     |     |                |                |                |                | V. Galitzine        |
|        | F               |      | 45     |     |                |                |                |                |                     |
| 8      | eL              | 16   | 8      |     |                |                |                |                |                     |
|        | F               |      | 40     |     |                |                |                |                |                     |
| 11     | i(P)            | 13   | 33     | 30  |                |                |                |                | faible. V. Gal.     |
|        | eL              | 14   | 1      |     |                |                |                |                |                     |
|        | F               | 14,6 |        |     |                |                |                |                |                     |
| 19     | traces          | 23   | 4-30   |     |                |                |                |                | V. Galitzine.       |
| 20     | id              | 0h48 | à 1h5  |     |                |                |                |                | id.                 |
| 23     | e               | 11   | (16)   |     |                |                |                |                |                     |
|        | L               |      | 56     |     |                |                |                |                |                     |
|        | M <sub>1</sub>  |      | 58-59  |     |                | 34             |                | 60             |                     |
|        | M <sub>2</sub>  | 12   | 0-1    |     | 30             | 36             | 50             | 75             |                     |
|        | M <sub>3</sub>  |      | 13-14  |     | 26             |                | 41             |                |                     |
|        | F               | 13,3 |        |     |                |                |                |                |                     |



| Janvier 1937. |                |           |       |                |                |                |                |
|---------------|----------------|-----------|-------|----------------|----------------|----------------|----------------|
| Dates.        | Phases.        | T. M. Gr. |       | T <sub>N</sub> | T <sub>E</sub> | A <sub>N</sub> | A <sub>E</sub> |
|               |                | h         | h     | s              | s              | μ              | μ              |
| 25            | eP             | 6         | 53    | 29             |                |                |                |
|               | (PR)           |           | 56    | 21             |                |                |                |
|               | L              | 7         | 39    |                |                |                |                |
|               | M <sub>1</sub> |           | 42-43 | 39             |                | 100            |                |
|               | M <sub>2</sub> |           | 47-48 |                | 26             |                | 70             |
|               | M <sub>3</sub> |           | 48-49 | 26             |                | 90             |                |
|               | M <sub>4</sub> |           | 52-53 |                | 22             |                | 43             |
|               | M <sub>5</sub> |           | 58-59 | 21             |                | 50             |                |
|               | F              | 9,5       |       |                |                |                |                |
|               |                |           |       |                |                |                |                |
| 29            | eL             | 18        | 26    |                |                |                |                |
|               | F              |           | 44    |                |                |                |                |
| 30            | traces         | 2         | 2-15  |                |                |                |                |
| 30            | eL             | 7         | 32    |                |                |                |                |
|               | F              |           | 55    |                |                |                |                |

V. Galitzine

id.  
id.

JOURNAL SEISMOLOGIQUE

1er, 2:1 toute la journée; 3:1 jusqu'à 11h, 2 de 11h à 17h, 1 en suite; 4:1 jusqu'à 3h, 2 de 3h à 15h, 3 de 15h à 21h, 2 ensuite; 5:2 jusqu'à 10h, 1 de 10h à 14h, 2 de 14h à 18h, 1 ensuite; 6:1 jusqu'à 16h, 2 ensuite; 7:2 jusqu'à 11h, 1 ensuite; 8, 9, 10, 1 toute la journée.  
11:1 jusqu'à 4h, 2 ensuite; 12, 13:2 toute la journée; 14:2 jusqu'à 4h, 1 de 4h à 17h, 2 ensuite; 15:2 toute la journée; 16:2 jusqu'à 8h, 3 de 8h à 13h, 2 de 13h à 20h, 1 ensuite; 17:1 toute la journée; 18:1 jusqu'à 17h, 2 de 17h à 22h, 1 ensuite; 19:1 jusqu'à 7h, 2 ensuite; 20: 2 toute la journée.  
21, 22:2 toute la journée; 23:2 jusqu'à 14h, 3 de 14h à 20h, 2 ensuite; 24:2 jusqu'à 9h, 3 ensuite; 25:3 toute la journée; 26: 3 jusqu'à 14h, 2 ensuite; 27:1 jusqu'à 6h, 2 de 6h à 20h, 1 ensuite; 28:1 jusqu'à 6h, 2 de 6h à 22h, 1 ensuite; 29:1 jusqu'à 4h, 2 de 4h à 10h, 1 ensuite; 30-31: 1 toute la journée.

Caractéristique moyenne du mois: 1,64.

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Station séismologique

OBSERVATOIRE GEOPHYSIQUE DU PARC Saint-MAUR

Long.  $2^{\circ}29'37''E$  Gr. Lat.  $48^{\circ}48'34''N$ . Alt; 47m.

Appareil: Séismographe Wiechert masse 1000 Kgs.

CteN:  $T_0=11^s6$ ;  $\xi=4,2$ ;  $V=218$ . CteE:  $T_0=11^s7$ ;  $\xi=4,0$ ;  $V=229$ .

Bulletin séismique du 1er au 28 Février 1937

par C.-E. Brazier et L. Genaux.

| Dates | Phases.        | T. M.                          | Gr. | $T_N$ | $T_E$ | $A_N$ | $A_E$ | Remarques.                    |
|-------|----------------|--------------------------------|-----|-------|-------|-------|-------|-------------------------------|
| 1er   | e              | 9 <sup>h</sup> 47 <sup>m</sup> | s   | s     | s     | w     | w     | V. Galitzine.                 |
|       | L              | 10 24                          |     |       |       |       |       |                               |
|       | F              | 11 25                          |     |       |       |       |       |                               |
| 1er   | eL             | 21 57                          |     |       |       |       |       | V. Galitzine                  |
|       | F              | 22 29                          |     |       |       |       |       | id.                           |
| 4     | traces         | 11 11-30                       |     |       |       |       |       |                               |
| 5     | eL             | 6 26                           |     |       |       |       |       |                               |
|       | F              | 44                             |     |       |       |       |       |                               |
| 7     | eL             | 5 23                           |     |       |       |       |       |                               |
|       | M              | 30-31                          |     |       | 14    |       | 3     |                               |
|       | F              | 57                             |     |       |       |       |       |                               |
| 10    | eL             | 8 21                           |     |       |       |       |       |                               |
|       | M <sub>1</sub> | 23-24                          |     | 12    | 12    | 8     | 13    |                               |
|       | M <sub>2</sub> | 24-25                          |     |       | 12    |       | 13    |                               |
|       | F <sup>2</sup> | 9 7                            |     |       |       |       |       |                               |
| 10    | traces         | 20 11-34                       |     |       |       |       |       | V. Galitzine                  |
| 11    | id             | 11h53 à 12h8m                  |     |       |       |       |       | id.                           |
| 12    | eP             | 5 14 34                        |     |       |       |       |       |                               |
|       | e              | 24 5                           |     |       |       |       |       |                               |
|       | L              | 6 9                            |     |       |       |       |       |                               |
|       | F              | 7, 1                           |     |       |       |       |       |                               |
| 12    | eL             | 20 19                          |     |       |       |       |       | V. Galitzine                  |
|       | F              | 36                             |     |       |       |       |       | id.                           |
| 13    | traces         | 2 34-54                        |     |       |       |       |       | id.                           |
| 13    | id.            | 11 40-57                       |     |       |       |       |       |                               |
| 17    | eL             | 10 2                           |     |       |       |       |       |                               |
|       | F              | 11, 1                          |     |       |       |       |       |                               |
| 17    | traces         | 23h56 à 0h14m                  |     |       |       |       |       | V. Galitzine                  |
| 21    | iP             | 7 15 3                         |     |       |       |       |       | $\Delta=9150$ Km. compression |
|       | eS             | 25 18                          |     |       |       |       |       | région Sakhaline              |
|       | iPS            | 25 47                          |     |       |       |       |       |                               |
|       | L              | 39                             |     |       |       |       |       |                               |
|       | M <sub>1</sub> | 54-55                          |     | 18    | 19    | 110   | 140   |                               |
|       | M <sub>2</sub> | 55-56                          |     | 18    | 19    | 100   | 150   |                               |
|       | M <sub>3</sub> | 57-58                          |     |       | 18    |       | 160   |                               |
|       | M <sub>4</sub> | 8 9-10                         |     |       | 17    |       | 120   |                               |
|       | M <sub>5</sub> | 14-15                          |     | 17    |       | 130   |       |                               |
|       | M <sub>6</sub> | 21-22                          |     | 17    |       | 110   |       |                               |
|       | F              | dans le suiv <sup>t</sup>      |     |       |       |       |       |                               |
| 21    | iP             | 7 38 57                        |     |       |       |       |       | phases confondues             |
|       | e              | 50                             |     |       |       |       |       | avec celles du précé-         |
|       | F              | 11,0                           |     |       |       |       |       | -dent.                        |



| Février 1937 2/ |                |             |       |     |                |                |                |                |              |
|-----------------|----------------|-------------|-------|-----|----------------|----------------|----------------|----------------|--------------|
| Dates           | Phases.        | T.          | M.    | Gr. | T <sub>N</sub> | T <sub>E</sub> | A <sub>N</sub> | A <sub>E</sub> | Remarques.   |
|                 |                | h           | m     | s   | s              | s              | μ              | μ              |              |
| 21              | iP             | 11          | 4     | 33  |                |                |                |                |              |
|                 | L              |             | 41    |     |                |                |                |                |              |
|                 | M              |             | 46-47 |     | 18             | 19             | 6              | 6              |              |
|                 | F              | 12          | 54    |     |                |                |                |                |              |
| 21              | traces         | 15h54à16h9m |       |     |                |                |                |                | V;Galitzine  |
| 21              | e(P)           | 22          | 41    | 18  |                |                |                |                |              |
|                 | L              | 23          | 16    |     |                |                |                |                |              |
|                 | N              |             | 24-25 |     | 17             | 18             | 4              | 4              |              |
|                 | F              | 24,1        |       |     |                |                |                |                |              |
| 22              | traces         | 1           | 9-36  |     |                |                |                |                | V.Galitzine. |
| 22              | iP             | 3           | 6     | 24  |                |                |                |                |              |
|                 | L              |             | 40    |     |                |                |                |                |              |
|                 | M <sub>1</sub> |             | 42-43 |     | 16             |                | 4              |                |              |
|                 | M <sub>2</sub> |             | 43-44 |     |                | 15             |                | 3              |              |
|                 | F <sub>2</sub> | 4           | 34    |     |                |                |                |                |              |
| 22              | e              | 4           | (48)  |     |                |                |                |                |              |
|                 | L              | 5           | 25    |     |                |                |                |                |              |
|                 | F              |             | 56    |     |                |                |                |                |              |
| 22              | e              | 13          | 36    | 23  |                |                |                |                |              |
|                 | L              | 14          | 11    |     |                |                |                |                |              |
|                 | M <sub>1</sub> |             | 16-17 |     | 20             | 16             | 6              | 4              |              |
|                 | M <sub>2</sub> |             | 24-25 |     | 19             | 14             | 6              | 3              |              |
|                 | F <sub>2</sub> | 15          | 14    |     |                |                |                |                |              |
| 23              | iP             | 1           | 0     | 37  |                |                |                |                | compression  |
|                 | iS             | 1           | 11    | 11  |                |                |                |                | Δ=9470Km.    |
|                 | L              |             | 31    |     |                |                |                |                |              |
|                 | M <sub>1</sub> |             | 33-34 |     |                | 25             |                | 10             |              |
|                 | M <sub>2</sub> |             | 43    |     | 18             | 17             | 9              | 14             |              |
|                 | M <sub>3</sub> |             | 44-45 |     | 17             |                | 11             |                |              |
|                 | F <sub>3</sub> | 3           | 56    |     |                |                |                |                |              |
| 23              | eP             | 14          | 3     | 32  |                |                |                |                | V.Galitzine  |
|                 | L              |             | 41    |     |                |                |                |                |              |
|                 | F              | 15          | 40    |     |                |                |                |                |              |
| 23              | traces         | 20          | 5-43  |     |                |                |                |                | id.          |
| 26              | eL             | 5           | 8     |     |                |                |                |                | id.          |
|                 | F              |             | 21    |     |                |                |                |                |              |
| 26              | traces         | 12          | 44-58 |     |                |                |                |                | id.          |
| 27              | eL             | 2           | 9     |     |                |                |                |                |              |
|                 | F              |             | 36    |     |                |                |                |                |              |

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1er au 4:1 toute la journée;5:1 jusqu'à 3h, 2 ensuite;6:2 jusqu'à 3h, 1 ensuite;7,8:1 toute la journée;9:1 jusqu'à 16h, 2 de 16h à20h, 1 ensuite;10: 1 toute la journée.

11-13: 1 toute la journée;14:1 jusqu'à 8h, 2 de 8h à15h, 1 ensuite; 15: 1 toute la journée;16:1 jusqu'à 7h,2 de7hà16h,3 de 16hà22h,2 ensuite;17:2 jusqu'à12h,1 ensuite;18:1 toute la journée;19:1 jusqu'à6h,2 de 6hà11h,1 ensuite; 20: 1 toute la journée.

21au24:1 toute la journée;25:1 jusqu'à10h,2 de10hà23h, 1 ensuite;26:1 jusqu'à7h,2 ensuite;27:2 toute la journée;28: 2 jusqu'à18h, 1 ensuite.

Caractéristique moyenne du mois:1,22.

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Station séismologique

OBSERVATOIRE GEOPHYSIQUE DU PARC SAINT-MAUR

Long.  $2^{\circ}29'37''$ E Gr. Lat.  $48^{\circ}48'34''$ N. Alt. 47m.

Appareil: Séismographe Wiechert masse 1000Kgs.

CteN:  $T_0=11^s,5$ ;  $\xi=4,2$ ;  $V=219$ . CteE:  $T_0=11^s,7$ ;  $\xi=4,0$ ;  $V=231$ .

Bulletin séismique du 1er au 31 Mars 1937

par C.-E. Brazier et L. Genaux.

| Dates. | Phases.        | T. M. Gr. |       |    | $T_N$ | $T_E$ | $A_N$ | $A_E$ | Remarques.        |
|--------|----------------|-----------|-------|----|-------|-------|-------|-------|-------------------|
|        |                | h         | m     | s  |       |       |       |       |                   |
| 6      | traces         | 0         | 10-30 |    |       |       |       |       | V. Galitzine.     |
| 8      | id             | 21        | 14-24 |    |       |       |       |       | id.               |
| 9      | iP             | 15        | 52    | 38 |       |       |       |       | $\Delta=9000$ Km. |
|        | eS             | 16        | 2     | 48 |       |       |       |       |                   |
|        | L              |           | 15    |    |       |       |       |       |                   |
|        | M <sub>1</sub> |           | 21-22 |    |       | 21    |       | 17    |                   |
|        | M <sub>2</sub> |           | 22-23 |    | 19    | 21    | 5     | 16    |                   |
|        | M <sub>3</sub> |           | 23-24 |    | 21    | 18    | 8     | 15    |                   |
|        | F              | 17        | 54    |    |       |       |       |       |                   |
| 10     | eL             | 5         | 40    |    |       |       |       |       | V. Galitzine.     |
|        | F              |           | 58    |    |       |       |       |       |                   |
| 12     | eL             | 10        | 18    |    |       |       |       |       | id.               |
|        | F              |           | 52    |    |       |       |       |       |                   |
| 14     | e              | 12        | 20    |    |       |       |       |       |                   |
|        | L              |           | 43    |    |       |       |       |       |                   |
|        | M <sub>1</sub> |           | 47-48 |    | 21    | 29    | 18    | 33    |                   |
|        | M <sub>2</sub> |           | 48-49 |    |       | 21    |       | 12    |                   |
|        | M <sub>3</sub> |           | 53-54 |    | 20    | 20    | 11    | 11    |                   |
|        | F              | 13,6      |       |    |       |       |       |       |                   |
| 16     | eL             | 16        | 37    |    |       |       |       |       |                   |
|        | F              | 17        | 10    |    |       |       |       |       |                   |
| 17     | eL             | 14        | 44    |    |       |       |       |       |                   |
|        | F              | 15,2      |       |    |       |       |       |       |                   |
| 19     | e              | 18        | 30    |    |       |       |       |       |                   |
|        | L              | 19        | 4     |    |       |       |       |       |                   |
|        | M              |           | 11-12 |    | 19    | 19    | 5     | 5     |                   |
|        | F              | 19        | 38    |    |       |       |       |       |                   |
| 21     | e              | 16        | 33    |    |       |       |       |       |                   |
|        | L              |           | 53    |    |       |       |       |       |                   |
|        | F              | 17        | 26    |    |       |       |       |       |                   |
| 21     | e              | 19        | 40    | 52 |       |       |       |       |                   |
|        | L              | 20        | 17    |    |       |       |       |       |                   |
|        | M              |           | 23    |    | 18    | 18    | 4     | 4     |                   |
|        | F              | 20,7      |       |    |       |       |       |       |                   |
| 22     | e              | 10        | 46    |    |       |       |       |       |                   |
|        | L              |           | 53    |    |       |       |       |       |                   |
|        | M              |           | 55-56 |    |       | 13    |       | 2     | trains d'ondes L  |
|        | F              | 12,0      |       |    |       |       |       |       | allh17 etlh42m    |
| 22     | eL             | 13        | 23    |    |       |       |       |       | V. Galitzine.     |
|        | M              |           | 25-26 |    |       | 13    |       | 1     |                   |
|        | F              |           | 36    |    |       |       |       |       |                   |
| 23     | e              | 1         | 5     |    |       |       |       |       |                   |
|        | L              |           | 44    |    |       |       |       |       |                   |
|        | F              | 2         | 22    |    |       |       |       |       |                   |

| Dates. | Phases.            | T. M. Gr. |       |   | T <sub>N</sub> | T <sub>E</sub> | Mars 1937      |                | Remarques.    |
|--------|--------------------|-----------|-------|---|----------------|----------------|----------------|----------------|---------------|
|        |                    | h         | m     | s |                |                | A <sub>N</sub> | A <sub>E</sub> |               |
| 23     | e                  | 19        | 18    |   |                |                |                |                |               |
|        | L                  |           | 26    |   |                |                |                |                |               |
|        | M                  |           | 30-31 |   | 15             | 19             | 2              | 3              |               |
|        | F                  | 20,0      |       |   |                |                |                |                |               |
| 24     | e                  | 1         | (58)  |   |                |                |                |                | V. Galitzine  |
|        | L                  | 2         | 4     |   |                |                |                |                |               |
|        | F                  |           | 41    |   |                |                |                |                |               |
| 24     | eL                 | 14        | 38    |   |                |                |                |                | id.           |
|        | F                  | 15        | 3     |   |                |                |                |                |               |
| 25     | eL                 | 17        | 32    |   |                |                |                |                |               |
|        | M                  |           | 36-37 |   |                | 17             |                | 4              |               |
|        | F                  | 18        | 6     |   |                |                |                |                |               |
| 26     | eL                 | 21        | 54    |   |                |                |                |                | V. Galitzine. |
|        | F                  | 22        | 7     |   |                |                |                |                |               |
| 28     | eL                 | 17        | 25    |   |                |                |                |                |               |
|        | F                  |           | 36    |   |                |                |                |                |               |
| 28     | eL                 | 19        | 2     |   |                |                |                |                |               |
|        | F                  |           | 31    |   |                |                |                |                |               |
| 29     | e                  | 6         | 31    |   |                |                |                |                |               |
|        | L                  |           | 58    |   |                |                |                |                |               |
|        | M                  | 7         | 0-1   |   |                | 20             |                | 4              |               |
|        | F                  |           | 34    |   |                |                |                |                |               |
| 29     | e                  | 8         | (2)   |   |                |                |                |                |               |
|        | (S) L <sup>E</sup> |           | 13    | 3 |                |                |                |                |               |
|        | F                  |           | 34    |   |                |                |                |                |               |
|        |                    | 9,2       |       |   |                |                |                |                |               |
| 29     | eL                 | 12        | 48    |   |                |                |                |                | V. Galitzine. |
|        | F                  | 13        | 2     |   |                |                |                |                |               |
| 30     | eL                 | 16        | 8     |   |                |                |                |                | id.           |
|        | F                  |           | 55    |   |                |                |                |                |               |

# JOURNAL SEISMOLOGIQUE.

1er: 1 jusqu'à 7h, 2 de 7h à 14h, 1 ensuite; 2: 1 jusqu'à 4h, 2 de 4h à 15h, 1 ensuite; 3-10: 1 toute la journée.

11-13: 1 toute la journée; 14: 1 jusqu'à 4h, 2 de 4h à 17h, 1 ensuite; 15-16: 1 toute la journée; 17: 1 jusqu'à 7h, 2 de 7h à 19h, 1 ensuite; 18-20: 1 toute la journée.

21-29: 1 toute la journée; 30: 1 jusqu'à 20h, 2 ensuite; 31: 2 jusqu'à 10h, 1 ensuite.

Caractéristique moyenne du mois: 1,08.

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Station séismologique

OBSERVATOIRE GEOPHYSIQUE DU PARC SAINT-MAUR

Long.  $2^{\circ}29'37''$ E Gr. Lat.  $48^{\circ}48'34''$ N. Altitude 47m.

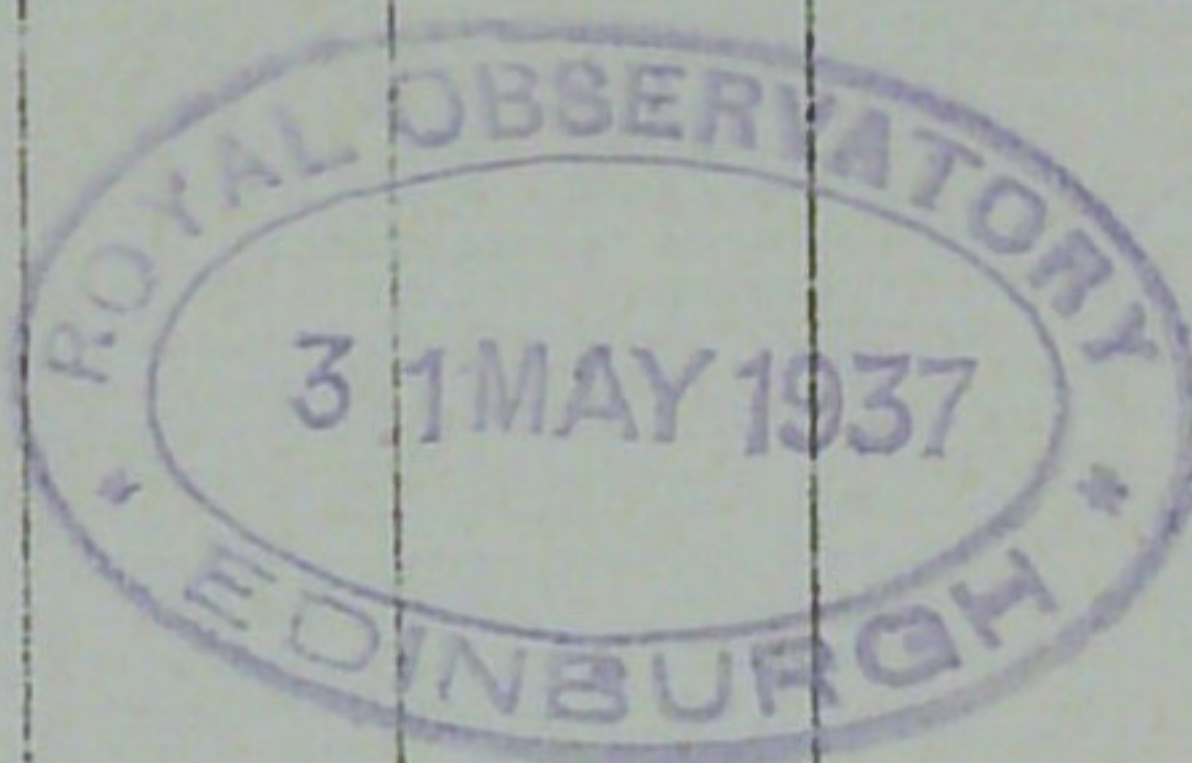
Appareil: Séismographe Wiechert masse 1000 Kilogrs.

CteN:  $T_0=11^s,6$ ;  $\xi=4,3$ ;  $V=220$ . CteE:  $T_0=11^s,7$ ;  $\xi=4,2$ ;  $V=231$ .

Bulletin séismique du 1er au 30 Avril 1937

par C.-E. Brazier et L. Genaux.

| Dates. | Phases.                             | T. M. Gr. |        |      | $T_N$<br>s | $T_E$<br>s | $A_N$<br>$\mu$ | $A_E$<br>$\mu$ | Remarques.                   |
|--------|-------------------------------------|-----------|--------|------|------------|------------|----------------|----------------|------------------------------|
|        |                                     | h         | m      | s    |            |            |                |                |                              |
| 1er    | iP                                  | 17        | 40     | 17   |            |            |                |                | V. Galitzine                 |
|        | L                                   | 18        | 40     |      |            |            |                |                |                              |
|        | F                                   | 19        | 46     |      |            |            |                |                |                              |
| 5      | i (PR)                              | 7         | 16     | 28   |            |            |                |                |                              |
|        | e (PS)                              |           | 26     | 43   |            |            |                |                |                              |
|        | (PPS)                               |           | 27     | 18   |            |            |                |                |                              |
|        | L                                   |           | 53     |      |            |            |                |                |                              |
|        | M <sub>1</sub>                      |           | 57-58  |      | 26         |            | 26             |                |                              |
|        | M <sub>2</sub>                      |           | 59-60  |      | 21         | 34         | 13             | 34             |                              |
|        | M <sub>3</sub>                      | 8         | 0-1    |      |            | 19         |                | 19             |                              |
|        | M <sub>4</sub>                      |           | 7      |      | 22         | 16         | 21             | 18             |                              |
|        | F <sup>4</sup>                      | 9         | 45     |      |            |            |                |                |                              |
| 7      | e                                   | 18        | 39     |      |            |            |                |                | V. Galitzine                 |
|        | L                                   |           | 56     |      |            |            |                |                |                              |
|        | F                                   | 19        | 3      |      |            |            |                |                |                              |
| 8      | traces                              | 16h27     | à 17h0 |      |            |            |                |                | V. Galitzine                 |
| 9      | id                                  | 14h52     | à 15h8 |      |            |            |                |                | id.                          |
| 11     | eL                                  | 6         | 26     |      |            |            |                |                | id; faible.                  |
|        | F                                   | 7         | 4      |      |            |            |                |                |                              |
| 11     | eL                                  | 16        | 52     |      |            |            |                |                | id                           |
|        | F                                   |           | 57     |      |            |            |                |                |                              |
| 12     | e                                   | 17        | 5      |      |            |            |                |                | id.                          |
|        | F                                   |           | 28     |      |            |            |                |                |                              |
| 13     | eL                                  | 5         | 48     |      |            |            |                |                | id.                          |
|        | F                                   | 6         | 17     |      |            |            |                |                |                              |
| 16     | e (P)                               | 3         | 20     | (52) |            |            |                |                | $\Delta=(12000\text{Km})$ ca |
|        | (PR)                                |           | 24     | 42   |            |            |                |                | très douteux.                |
|        | e (S <sub>c</sub> P <sub>c</sub> S) |           | 31     | 0    |            |            |                |                |                              |
|        | (PS)                                |           | 34     | 30   |            |            |                |                |                              |
|        | L                                   |           | 44     |      |            |            |                |                |                              |
|        | M <sub>1</sub>                      |           | 46-47  |      |            | 30         |                | 100            |                              |
|        | M <sub>2</sub>                      | 4         | 2-3    |      | 31         |            | 90             |                |                              |
|        | M <sub>3</sub>                      |           | 5-6    |      |            | 34         |                | 170            |                              |
|        | M <sub>4</sub>                      |           | 10-11  |      | 34         | 34         | 130            | 100            |                              |
|        | M <sub>5</sub>                      |           | 22-23  |      | 25         | 32         | 54             | 70             |                              |
|        | F                                   | 7,2       |        |      |            |            |                |                |                              |
| 17     | traces                              | 12h52     | à 13h4 |      |            |            |                |                | V. Galitzine                 |
| 19     | id                                  | 5h53      | à 5h59 |      |            |            |                |                | id.                          |
| 25     | id                                  | 11        | 16-29  |      |            |            |                |                | id.                          |
| 25     | id                                  | 22        | 31-38  |      |            |            |                |                | id.                          |
| 28     | e                                   | 2         | 47     |      |            |            |                |                |                              |
|        | L                                   |           | 53     |      |            |            |                |                |                              |
|        | F                                   | 3         | 8      |      |            |            |                |                | id.                          |
| 28     | eL                                  | 15        | 10     |      |            |            |                |                |                              |
|        | F                                   |           | 27     |      |            |            |                |                |                              |

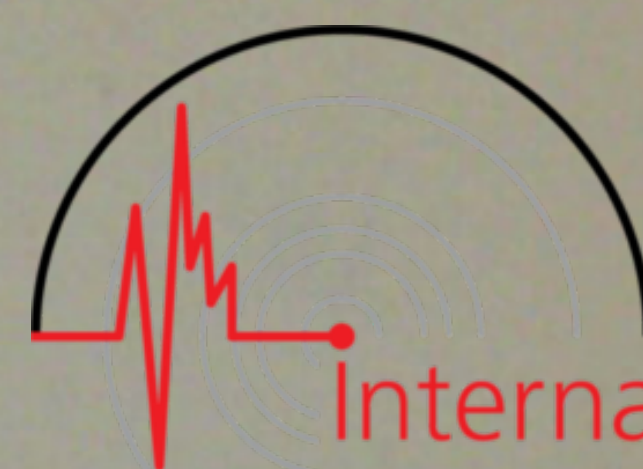


| Dates. | Phases.        | T. M. Gr.    |       |       | T <sub>N</sub> | T <sub>E</sub> | A <sub>N</sub> | A <sub>E</sub> | Avril 1937.<br>Remarques. |
|--------|----------------|--------------|-------|-------|----------------|----------------|----------------|----------------|---------------------------|
|        |                | h            | m     | s     |                |                |                |                |                           |
| 29     | traces         | 1            | 21    | à 2h0 |                |                |                |                | V. Galitzine.             |
| 29     | iP             | 18           | 16    | 43    |                |                |                |                | Δ=2600Km.                 |
|        | iS             |              | 20    | 55    |                |                |                |                |                           |
|        | L              |              | 23    |       |                |                |                |                |                           |
|        | M <sub>1</sub> |              | 25-26 |       | 12             | 12             | 14             | 23             |                           |
|        | M <sub>2</sub> |              | 26-27 |       | 12             | 11             | 11             | 22             |                           |
|        | F              | dans le suiv |       |       |                |                |                |                |                           |
| 29     | iP             | 19           | 4     | 24    |                |                |                |                | Δ=8350Km.                 |
|        | eS             |              | 14    | 1     |                |                |                |                |                           |
|        | L              |              | 26    |       |                |                |                |                |                           |
|        | M <sub>1</sub> |              | 32-33 |       |                | 34             |                | 34             |                           |
|        | M <sub>2</sub> |              | 38-39 |       | 21             | 17             | 26             | 10             |                           |
|        | M <sub>3</sub> |              | 40-41 |       | 20             |                | 29             |                |                           |
|        | M <sub>4</sub> |              | 43-44 |       | 21             | 17             | 13             | 11             |                           |
|        | F              | 23,1         |       |       |                |                |                |                |                           |
| 30     | eL             | 20           | 8     |       |                |                |                |                | V. Galitzine.             |
|        | F              |              | 26    |       |                |                |                |                |                           |

JOURNAL SEISMOLOGIQUE  
du 1<sup>er</sup> au 30: 1 toute la journée.  
Caractéristique moyenne du mois: 1,00.

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Station séismologique

OBSERVATOIRE GEOPHYSIQUE DU PARC SAINT-MAUR

Long.  $2^{\circ}29'37''$ E Gr. Lat.  $48^{\circ}48'34''$ N. Altitude 47m.

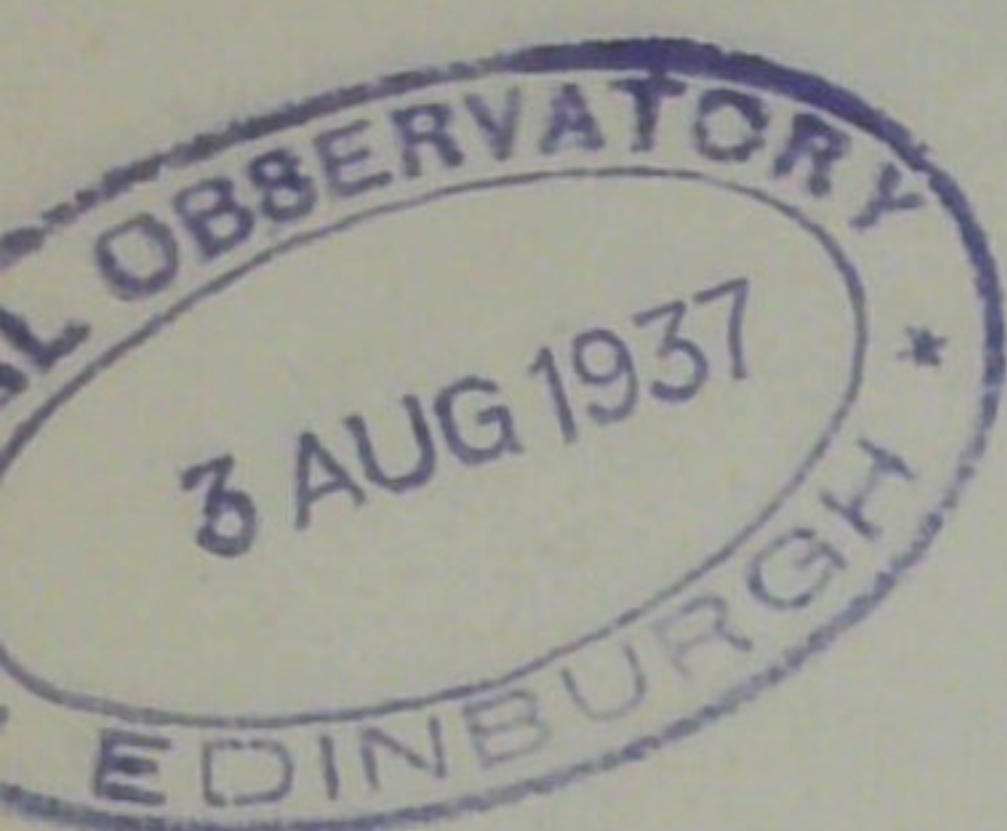
Appareil: Séismographe Wiechert masse 1000Kg.

CteN:  $T_0=11^s,7$ ;  $\varepsilon=4,2$ ;  $V=217$ . CteE:  $T_0=11^s,9$ ;  $\varepsilon=4,3$ ;  $V=229$ .



Bulletin séismique du 1er au 31 Mai 1937  
par C.-E. Brazier et L. Genaux.

| Dates. | Phases.        | T.          | M.    | Gr. | T <sub>N</sub> | T <sub>E</sub> | A <sub>N</sub> | A <sub>E</sub> | Remarques.                 |
|--------|----------------|-------------|-------|-----|----------------|----------------|----------------|----------------|----------------------------|
|        |                | h           | m     | s   | s              | s              | μ              | μ              |                            |
| 1er    | e              | 12          | 25    |     |                |                |                |                | faible mouvement.          |
|        | L              | 13          | 23    |     |                |                |                |                |                            |
|        | F              | 14,2        |       |     |                |                |                |                |                            |
| 1er    | eL             | 16          | 17    |     |                |                |                |                | faible. V. Galitzine       |
|        | F              |             | 37    |     |                |                |                |                |                            |
| 1er    | e              | 23          | 32    |     |                |                |                |                |                            |
| 2      | L              |             | 58    |     |                |                |                |                |                            |
|        | F              | 0           | 47    |     |                |                |                |                |                            |
| 2      | traces         | 4           | 44-51 |     |                |                |                |                | V. Galitzine.              |
| 2      | id             | 23          | 20-43 |     |                |                |                |                | id.                        |
| 4      | eL             | 5           | 46    |     |                |                |                |                |                            |
|        | M              |             | 53-54 |     | 16             | 16             | 3              | 3              |                            |
|        | F              | 6           | 57    |     |                |                |                |                |                            |
| 7      | e              | 14          | 23    |     |                |                |                |                |                            |
|        | L              |             | 57    |     |                |                |                |                |                            |
|        | F              | 15          | 27    |     |                |                |                |                |                            |
| 7      | traces         | 19          | 2-28  |     |                |                |                |                | V. Galitzine.              |
| 7      | eL             | 22          | 50    |     |                |                |                |                |                            |
|        | F              | 23          | 11    |     |                |                |                |                |                            |
| 9      | e(P)           | 14          | 59    | 6   |                |                |                |                | $\Delta = (9400\text{Km})$ |
|        | e(S)           | 15          | 9     | 36  |                |                |                |                |                            |
|        | L              |             | 32    |     |                |                |                |                |                            |
|        | M <sub>1</sub> |             | 39-40 |     | 18             | 17             | 9              | 7              |                            |
|        | M <sub>2</sub> |             | 42-43 |     | 17             | 17             | 12             | 13             |                            |
|        | F              | 18,0        |       |     |                |                |                |                |                            |
| 12     | e(P)           | 3           | 5     | 38  |                |                |                |                | V. Galitzine               |
|        | L              |             | 55    |     |                |                |                |                |                            |
|        | F              | 4           | 5     |     |                |                |                |                |                            |
| 12     | e              | 13          | (24)  |     |                |                |                |                |                            |
|        | L              | 14          | 10    |     |                |                |                |                |                            |
|        | F              | 15          | 5     |     |                |                |                |                |                            |
| 13     | eL             | 10          | 7     |     |                |                |                |                | V. Galitzine               |
|        | F              |             | 32    |     |                |                |                |                |                            |
| 13     | e              | 21          | 11    |     |                |                |                |                | petit mouv <sup>t</sup>    |
|        | F              |             | 17    |     |                |                |                |                |                            |
| 15     | traces         | 8           | 35-47 |     |                |                |                |                | V. Galitzine.              |
| 16     | id             | 7           | 19-31 |     |                |                |                |                | id                         |
| 16     | e              | 11          | 59    |     |                |                |                |                |                            |
|        | L              | 13          | 3     |     |                |                |                |                |                            |
|        | M              |             | 14-15 |     | 19             | 18             | 2              | 2              |                            |
|        | F              | 14,2        |       |     |                |                |                |                |                            |
| 20     | traces         | 13          | 11-32 |     |                |                |                |                | V. Galitzine               |
| 21     | eL             | 2           | 50    |     |                |                |                |                | id.                        |
|        | F              | 3           | 24    |     |                |                |                |                |                            |
| 21     | traces         | 13H20à14h10 |       |     |                |                |                |                | id.                        |



Station séismologique

OBSERVATOIRE GEOPHYSIQUE DU PARC SAINT-MAUR

Long.  $2^{\circ}29'37''$ E Gr. Lat.  $48^{\circ}48'34''$ N. Altitude: 47 mètres

Appareil: Séismographe Wiechert masse 1000 Kilogrs.

CteN:  $T_0=11^s,8$ ;  $\xi=4,2$ ;  $V=220$ . CteE:  $T_0=12^s,0$ ;  $\xi=4,1$ ;  $V=234$ .

Bulletin séismique du 1er au 30 Juin 1937  
par C.-E. Brazier et L. Genaux.

| Dates.        | Phases. | T. M. Gr.                              | T <sub>N</sub> | T <sub>E</sub> | A <sub>N</sub> | A <sub>E</sub> | Remarques.                   |
|---------------|---------|----------------------------------------|----------------|----------------|----------------|----------------|------------------------------|
|               |         | <sup>h</sup> <sub>m</sub> <sup>s</sup> | <sup>s</sup>   | <sup>s</sup>   | <sup>μ</sup>   | <sup>μ</sup>   |                              |
| 1er           | traces  | 15h41a16h2m                            |                |                |                |                | V. Galitzine                 |
| 2             | eP      | 1 27 10                                |                |                |                |                | $\Delta=(2530\text{Km.})$    |
|               | e(S)    | 31 18                                  |                |                |                |                |                              |
|               | L       | 34                                     |                |                |                |                |                              |
|               | M       | 36-37                                  | 12             | 13             | 1              | 2              |                              |
|               | F       | 2 5                                    |                |                |                |                |                              |
| 2             | traces  | 21h51a22h0m                            |                |                |                |                | V. Galitzine                 |
| 3             | id      | 1h35a 2h0                              |                |                |                |                | id                           |
| 5             | id      | 10 29-41                               |                |                |                |                | id                           |
| 6             | id      | 1 7-28                                 |                |                |                |                | id                           |
| 6             | id      | 18h53a19h8m                            |                |                |                |                | id                           |
| 7             | e(P)    | 1 27 9                                 |                |                |                |                | très petit mouv <sup>t</sup> |
|               | F       | 31                                     |                |                |                |                |                              |
| 7             | traces  | 16h53a17h30m                           |                |                |                |                | V. Galitzine                 |
| 7             | e       | 22 5 58                                |                |                |                |                | très petit mouv <sup>t</sup> |
|               | F       | 10                                     |                |                |                |                |                              |
| 8             | eL      | 4 52                                   |                |                |                |                | V. Gal. faible               |
|               | F       | 5 11                                   |                |                |                |                |                              |
| 8             | traces  | 6 0-10                                 |                |                |                |                | V. Galitzine                 |
| 8             | i       | 18 12 37                               |                |                |                |                | V. Gal. faible               |
|               | F       | 19,5                                   |                |                |                |                |                              |
| 8             | eP      | 22 41 38                               |                |                |                |                | $\Delta=(8650\text{Km.})$    |
| <del>9</del>  | e(S)    | 51 31                                  |                |                |                |                |                              |
|               | L       | 23 2                                   |                |                |                |                |                              |
|               | M       | 4-5                                    | 19             | 13             | 5              | 2              |                              |
|               | F       | 0 12                                   |                |                |                |                |                              |
| 10            | eL      | 15 27                                  |                |                |                |                |                              |
|               | F       | 39                                     |                |                |                |                |                              |
| 13            | eP      | 23 36 35                               |                |                |                |                |                              |
| <del>14</del> | L       | 0 9                                    |                |                |                |                |                              |
|               | F       | 1 2                                    |                |                |                |                |                              |
| 14            | e       | 12 50 44                               |                |                |                |                | V. Galitzine                 |
|               | F       | dans 1e suiv <sup>t</sup>              |                |                |                |                |                              |
| 14            | e1      | 13 30                                  |                |                |                |                |                              |
|               | e2      | 34                                     |                |                |                |                |                              |
|               | L       | 14 15                                  |                |                |                |                |                              |
|               | M       | 39-40                                  |                | 20             |                | 3              |                              |
|               | F       | 15 43                                  |                |                |                |                |                              |
| 15            | e       | 10 16 21                               |                |                |                |                | V. Gal. très faible          |
|               | L       | 11 21                                  |                |                |                |                |                              |
|               | F       | 11,6                                   |                |                |                |                |                              |
| 15            | traces  | 23 13-33                               |                |                |                |                | V. Galitzine                 |
| 18            | id      | 9h50a10h3m                             |                |                |                |                | id.                          |
| 19            | eP      | 17 26 11                               |                |                |                |                | id                           |
|               | L       | 48                                     |                |                |                |                |                              |
|               | F       | 18,6                                   |                |                |                |                |                              |



Station séismologique:

OBSERVATOIRE GEOPHYSIQUE DU PARC SAINT-MAUR

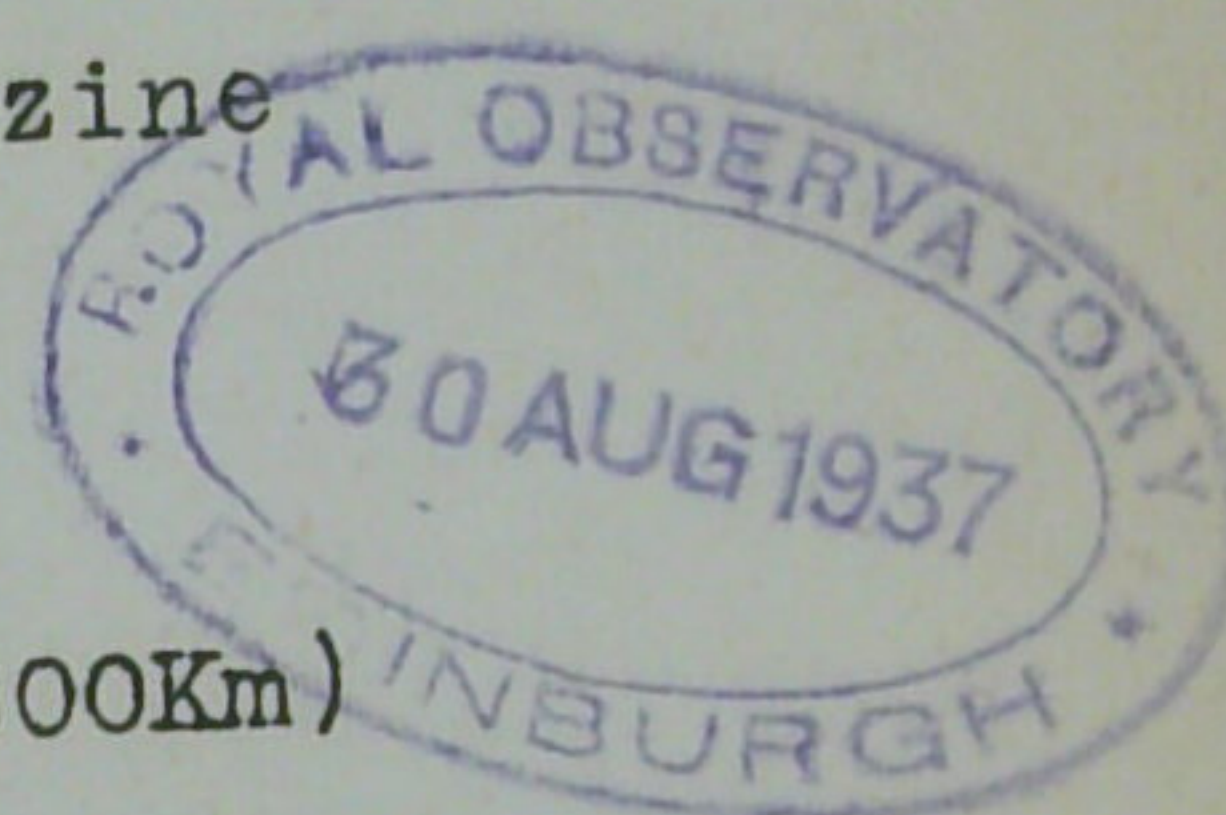
Long. 2°29'37" E. G. Lat. 48°48'34" N. Altitude: 47 mètres

Appareil: Séismographe Wiechert masse 1000 Kilogrs.

Cte N:  $T_0=11^S,8;\xi=4,1; V=222$ . Cte E:  $T_0=12^S,1;\xi=4,0; V=235$ .

Bulletin séismique du 1er au 31 Juillet 1937  
 par C.-E. Brazier et L. Genaux.

| Dates. | Phases.         | T. M. G.    | T <sub>N</sub> | T <sub>E</sub> | A <sub>N</sub> | A <sub>E</sub> | Remarques.                                                         |
|--------|-----------------|-------------|----------------|----------------|----------------|----------------|--------------------------------------------------------------------|
|        |                 | h m s       | s              | s              | $\mu$          | $\mu$          |                                                                    |
| 1er    | Traces          | 6h47à 7h8m  |                |                |                |                | V. Galitzine                                                       |
| 1er    | P               | 9 59 53     |                |                |                |                |                                                                    |
|        | L               | 10 5        |                |                |                |                |                                                                    |
|        | M               | 6-7         | 10             | 17             | 2              | 3              |                                                                    |
|        | F               | 33          |                |                |                |                |                                                                    |
| 1er    | eP              | 12 2 45     |                |                |                |                | $\Delta = (9800\text{Km})$                                         |
|        | e(S)            | 13 34       |                |                |                |                |                                                                    |
|        | L               | 44          |                |                |                |                |                                                                    |
|        | M <sub>1</sub>  | 52-53       | 18             | 15             | 4              | 3              |                                                                    |
|        | M <sub>2</sub>  | 13 12-13    | 15             | 16             | 2              | 3              |                                                                    |
|        | F               | 14 58       |                |                |                |                |                                                                    |
| 2      | eP <sub>V</sub> | 2 56 41     |                |                |                |                |                                                                    |
|        | PR              | 59 57       |                |                |                |                |                                                                    |
|        | L               | 3 46        |                |                |                |                | Wiechert arrêté,<br>mesures effectuées sur<br>séismographe Mainka. |
|        | M <sub>1</sub>  | 54-55       | 25             |                | 16             |                |                                                                    |
|        | M <sub>2</sub>  | 57-58       | 22             |                | 14             |                |                                                                    |
|        | F               | 5 38        |                |                |                |                |                                                                    |
| 3      | traces          | 16 13-31    |                |                |                |                | V. Galitzine<br>aspect lointain<br>phases confuses                 |
| 4      | eP              | 6 15 9      |                |                |                |                |                                                                    |
|        | e <sub>1</sub>  | 18 0        |                |                |                |                |                                                                    |
|        | e <sub>2</sub>  | 20 37       |                |                |                |                |                                                                    |
|        | L               | 7 3         |                |                |                |                |                                                                    |
|        | M <sub>1</sub>  | 19-20       | 18             | 17             | 8              | 6              |                                                                    |
|        | M <sub>2</sub>  | 48          | 16             | 20             | 4              | 9              |                                                                    |
|        | M <sub>3</sub>  | 51-52       |                | 20             |                | 8              |                                                                    |
|        | M <sub>4</sub>  | 57-58       | 16             | 16             | 6              | 6              |                                                                    |
|        | M <sub>5</sub>  | 8 3-4       | 22             | 19             | 11             | 9              |                                                                    |
|        | F               | 10,8        |                |                |                |                |                                                                    |
| 5      | traces          | 2 17-36     |                |                |                |                | V. Galitzine<br>id                                                 |
| 6      | id              | 7 2-11      |                |                |                |                | id                                                                 |
| 7      | id              | 13 26-35    |                |                |                |                | id                                                                 |
| 8      | eP              | 13 3 57     |                |                |                |                |                                                                    |
|        | L               | 34          |                |                |                |                |                                                                    |
|        | F               | 14,1        |                |                |                |                | id                                                                 |
| 9      | eL              | 16 48       |                |                |                |                |                                                                    |
|        | F               | 17 10       |                |                |                |                | id                                                                 |
| 9      | traces          | 17h38à18h35 |                |                |                |                |                                                                    |
| 10     | e(P)            | 21 2 23     |                |                |                |                |                                                                    |
|        | L               | 41          |                |                |                |                |                                                                    |
|        | M               | 55-56       |                | 18             |                | 3              |                                                                    |
|        | F               | 22 34       |                |                |                |                | $\Delta = (9370\text{Km})$                                         |
| 11     | eP              | 13 52 38    |                |                |                |                |                                                                    |
|        | e(S)            | 14 3 7      |                |                |                |                |                                                                    |
|        | L               | 29          |                |                |                |                |                                                                    |
|        | M               | 39-40       | 16             | 17             | 3              | 4              |                                                                    |
|        | F               | 16,1        |                |                |                |                |                                                                    |



| Dates | Phases         | T. M. G. |         |    | T <sub>N</sub> s | T <sub>E</sub> s | A <sub>N</sub> | A <sub>E</sub> | Remarques           |
|-------|----------------|----------|---------|----|------------------|------------------|----------------|----------------|---------------------|
|       |                | h        | m       | s  |                  |                  |                |                |                     |
| 11    | a.             | 17       | 34      |    |                  |                  |                |                |                     |
|       | L              | 18       | 3       |    |                  |                  |                |                |                     |
|       | M              |          | 11-12   |    | 15               | 16               | 2              | 2              |                     |
|       | F              | 19       | 15      |    |                  |                  |                |                |                     |
| 12    | e              | 0        | 18      |    |                  |                  |                |                | V. Galitzine        |
|       | L              |          | 53      |    |                  |                  |                |                |                     |
|       | F              | 1        | 42      |    |                  |                  |                |                |                     |
| 12    | eL             | 12       | (26)    |    |                  |                  |                |                | heure incertaine,   |
|       | M              |          | (27-28) |    | 9                | 12               | 3              | 2              | pas d'interruptions |
|       | F              |          | (45)    |    |                  |                  |                |                |                     |
| 14-15 | eP             | 22       | 41      | 19 |                  |                  |                |                |                     |
|       | PR             |          | 45      | 0  |                  |                  |                |                |                     |
|       | e              |          | 52      |    |                  |                  |                |                |                     |
|       | L              | 23       | 18      |    |                  |                  |                |                |                     |
|       | M <sub>1</sub> |          | 19-20   |    | 19               |                  | 4              |                |                     |
|       | M <sub>2</sub> |          | 27-28   |    | 17               | 15               | 3              | 3              |                     |
|       | F <sub>2</sub> |          | 1,5     |    |                  |                  |                |                |                     |
| 15    | traces         | 3h56     | à 4h9m  |    |                  |                  |                |                | V. Galitzine        |
| 15    | id             | 14       | 22-54   |    |                  |                  |                |                | id                  |
| 15    | i(P)           | 19       | 15      | 8  |                  |                  |                |                | id                  |
|       | F              |          | 17      |    |                  |                  |                |                |                     |
| 16    | eL             | 11       | 11      |    |                  |                  |                |                |                     |
|       | M              |          | 21-22   |    |                  | 17               |                | 3              |                     |
|       | F              | 12,2     |         |    |                  |                  |                |                |                     |
| 17    | eL             | 17       | 18      |    |                  |                  |                |                |                     |
|       | M              |          | 19-20   |    |                  | 13               |                | 1              |                     |
|       | F              |          | 30      |    |                  |                  |                |                | V. Galitzine        |
| 17    | eL             | 19       | 26      |    |                  |                  |                |                |                     |
|       | F              |          | 57      |    |                  |                  |                |                |                     |
| 19    | e              | 3        | (1)     |    |                  |                  |                |                |                     |
|       | L              |          | 58      |    |                  |                  |                |                |                     |
|       | M <sub>1</sub> | 4        | 8-9     |    |                  | 21               |                | 5              |                     |
|       | M <sub>2</sub> |          | 13-14   |    | 16               | 16               | 2              | 2              |                     |
|       | F <sub>2</sub> | 5,1      |         |    |                  |                  |                |                |                     |
| 19    | e              | 9        | 55      |    |                  |                  |                |                |                     |
|       | L              | 10       | 53      |    |                  |                  |                |                |                     |
|       | M <sub>1</sub> |          | 59-60   |    |                  | 20               |                | 4              |                     |
|       | M <sub>2</sub> | 11       | 1-2     |    | 17               | 21               | 3              | 5              |                     |
|       | M <sub>3</sub> |          | 3-4     |    | 18               |                  | 4              |                |                     |
|       | F              | 11,8     |         |    |                  |                  |                |                | Δ = 9280Km.         |
| 19    | eP             | 19       | 47      | 38 |                  |                  |                |                |                     |
|       | pP             |          | 48      | 22 |                  |                  |                |                |                     |
|       | (PR)           |          | 51      | 33 |                  |                  |                |                |                     |
|       | i(SKS)         |          | 57      | 46 | 13               | 11               | 19             | 22             |                     |
|       | sS             |          | 58      | 44 |                  |                  |                |                |                     |
|       | L              | 20       | 8       |    |                  |                  |                |                |                     |
|       | M <sub>1</sub> |          | 12-13   |    | 16               |                  | 6              |                |                     |
|       | M <sub>2</sub> |          | 14-15   |    |                  | 15               |                | 5              |                     |
|       | M <sub>3</sub> |          | 19-20   |    | 14               | 18               | 2              | 6              |                     |
|       | F              | 21       | 58      |    |                  |                  |                |                |                     |
| 20    | e <sub>1</sub> | 7        | 6       | 59 |                  |                  |                |                |                     |
|       | e <sub>2</sub> |          | 7       | 48 |                  |                  |                |                |                     |
|       | e <sub>3</sub> |          | 8       | 59 |                  |                  |                |                |                     |
|       | F <sub>3</sub> |          | 19      |    |                  |                  |                |                | V. Galitzine        |
| 21    | traces         | 16       | 44-50   |    |                  |                  |                |                |                     |
| 22    | e              | 13       | 31      |    |                  |                  |                |                |                     |
|       | L              |          | 39      |    |                  |                  |                |                |                     |
|       | F              | 14       | 12      |    |                  |                  |                |                | dilatation          |
| 22    | iP             | 17       | 20      | 8  |                  |                  |                |                | Δ = 7155Km.         |
|       | pP             |          | 22      | 33 |                  |                  |                |                |                     |
|       | iS             |          | 28      | 54 |                  |                  |                |                |                     |
|       | e              |          | 30      | 48 |                  |                  |                |                |                     |
|       | L              |          | 34      |    |                  |                  |                |                |                     |

| Dates | Phases.         | T. M. G. |       |        | T <sub>N</sub> | T <sub>E</sub> | A <sub>N</sub> | A <sub>E</sub> | Remarques                            |
|-------|-----------------|----------|-------|--------|----------------|----------------|----------------|----------------|--------------------------------------|
|       |                 | h        | m     | s      |                |                |                |                |                                      |
| 22    | M <sub>1</sub>  | 17       | 41    | 42     |                | 37             |                | 370            |                                      |
|       | M <sub>2</sub>  |          | 42    | 43     | 22             | 30             | 80             | 300            |                                      |
|       | M <sub>3</sub>  |          | 45    | 46     |                | 25             |                | 180            |                                      |
|       | M <sub>4</sub>  |          | 46    | 47     | 21             |                | 190            |                |                                      |
|       | M <sub>5</sub>  |          | 48    |        | 15             | 17             | 80             | 180            |                                      |
|       | F <sub>5</sub>  | 21       | 50    |        |                |                |                |                |                                      |
| 23    | eL              | 0        | 31    |        |                |                |                |                | V. Galitzine                         |
|       | F               |          | 55    |        |                |                |                |                |                                      |
| 23    | traces          | 7h54     | à     | 8h15m  |                |                |                |                | id                                   |
| 23    | id              | 21       | 6     | 23     |                |                |                |                | id                                   |
| 24    | id              | 9h38     | à     | 10h3m  |                |                |                |                | id                                   |
| 24    | id              | 16h57    | à     | 17h10m |                |                |                |                | id                                   |
| 25    | iP              | 13       | 24    | 10     |                |                |                |                |                                      |
|       | L               |          | 54    |        |                |                |                |                |                                      |
|       | F               | 14,9     |       |        |                |                |                |                |                                      |
| 26    | iP              | 3        | 59    | 24     |                |                |                |                | compression $\Delta = 8750\text{Km}$ |
|       | pP              |          | 59    | 47     |                |                |                |                | Destr <sup>r</sup> au Mexique        |
|       | iS              | 4        | 9     | 24     | 10             | 10             | 45             | 80             |                                      |
|       | sS              |          | 10    | 29     |                |                |                |                |                                      |
|       | L               |          | 26    |        |                |                |                |                |                                      |
|       | M <sub>1</sub>  |          | 27-28 |        | 18             | 33             | 12             | 50             |                                      |
|       | M <sub>2</sub>  |          | 37-38 |        |                | 17             |                | 24             |                                      |
|       | F <sub>2</sub>  | 7,0      |       |        |                |                |                |                |                                      |
| 26    | e               | 8        | 40    |        |                |                |                |                | V. Galitzine                         |
|       | L               | 9        | 27    |        |                |                |                |                |                                      |
|       | F               | 10,6     |       |        |                |                |                |                |                                      |
| 26    | P               | 18       | 5     | 33     |                |                |                |                |                                      |
|       | P'              |          | 6     | 17     |                |                |                |                |                                      |
|       | F               | 18,7     |       |        |                |                |                |                |                                      |
| 26    | P               | 20       | 9     | 10     |                |                |                |                |                                      |
|       | P               |          | 9     | 17     |                |                |                |                |                                      |
|       | PR              |          | 12    | 37     |                |                |                |                |                                      |
|       | L               |          | 39    |        |                |                |                |                |                                      |
|       | M <sub>1</sub>  |          | 49-50 |        | 20             | 22             | 30             | 34             |                                      |
|       | M <sub>2</sub>  |          | 51    |        | 18             | 18             | 22             | 26             |                                      |
|       | F               | 23,3     |       |        |                |                |                |                | V. Galitzine                         |
| 28    | traces          | 11       | 11-20 |        |                |                |                |                | id                                   |
| 30    | e               | 14       | 23    |        |                |                |                |                |                                      |
|       | L               | 15       | 26    |        |                |                |                |                |                                      |
|       | F               | 16       | 30    |        |                |                |                |                |                                      |
| 31    | eL              | 11       | 41    |        |                |                |                |                |                                      |
|       | F               | 12       | 31    |        |                |                |                |                |                                      |
| 31    | eP <sub>V</sub> | 20       | 47    | 41     |                |                |                |                | $\Delta = (8550\text{Km})$           |
|       | e(S)            |          | 57    | 29     |                |                |                |                |                                      |
|       | e               |          | 59    | 49     |                |                |                |                |                                      |
|       | L               | 21       | 15    |        |                |                |                |                |                                      |
|       | M <sub>1</sub>  |          | 18-19 |        | 20             |                |                | 135            |                                      |
|       | M <sub>2</sub>  |          | 19-20 |        |                | 21             |                | 85             |                                      |
|       | M <sub>3</sub>  |          | 20-21 |        |                | 18             |                | 70             |                                      |
|       | M <sub>4</sub>  |          | 24-25 |        | 13             |                |                | 60             |                                      |
|       | F <sub>4</sub>  | 24,0     |       |        |                |                |                |                |                                      |

### Journal séismologique

1e<sup>r</sup>: 1 jusqu'à 12h,0 ensuite; 2: 0 jusqu'à 16h,1 ensuite; 3,4,5: 1 toute la journée; 6: 1 jusqu'à 11h,0 ensuite; 7-10: 0 toute la journée; 11: 0 jusqu'à 2h,1 de 2h à 19h,0 ensuite; 12-17: 0 toute la journée; 18: 0 jusqu'à 8h,1 ensuite; 19: 1 jusqu'à 23h,0 ensuite; 20: 0 jusqu'à 16h,1 de 16h à 20h,0 ensuite.

21: 0 jusqu'à 10h,1 ensuite; 22: 1 toute la journée; 23: 1 jusqu'à 20h,0 ensuite; 24,25,26: 0 toute la journée; 27: 0 jusqu'à 13h,1 ensuite; 28: 1 toute la journée; 29: 1 jusqu'à 20h,0 ensuite; 30: 0 jusqu'à 13h,1 de 13h à 18h,0 ensuite; 31: 0 toute la journée.

Caractéristique moyenne du mois: 0,34.

=====

Directeur: Ch. Maurain.



Station séismologique

OBSERVATOIRE GEOPHYSIQUE DU PARC SAINT-MAUR

Long.  $2^{\circ}29'37''$ E Gr. Lat.  $48^{\circ}48'34''$ N. Altitude: 47m.

Appareil: Séismographe Wiechert masse 1000Kgrs.

CteN:  $T_0=11^S,7$ ;  $\xi=4,1$ ;  $V=224$ . CteE:  $T_0=12^S,1$ ;  $\xi=4,1$ ;  $V=237$ .

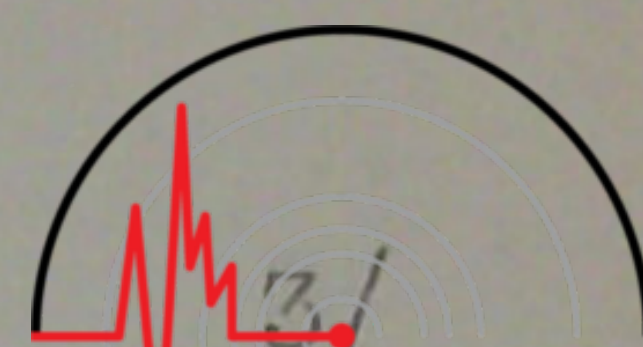
Bulletin séismique du 1er au 31 Août 1937

par C.-E. Brazier et L. Genaux.

| Dates. | Phases.         | T.          | M.    | Gr. | T <sub>N</sub> | T <sub>E</sub> | A <sub>N</sub> | A <sub>E</sub> | Remarques                    |
|--------|-----------------|-------------|-------|-----|----------------|----------------|----------------|----------------|------------------------------|
|        |                 | h           | m     | s   | s              | s              | $\mu$          | $\mu$          |                              |
| 1er    | iP <sub>V</sub> | 10          | 53    | 0   |                |                |                |                | Destr <sup>r</sup> en Chine. |
|        | L               | 11          | 23    |     |                |                |                |                |                              |
|        | M <sub>1</sub>  |             | 24-25 |     |                | 19             |                | 39             |                              |
|        | M <sub>2</sub>  |             | 30    |     |                | 15             |                | 38             |                              |
|        | M <sub>3</sub>  |             | 37-38 |     | 11             |                | 8              |                |                              |
|        | F               | 13,2        |       |     |                |                |                |                |                              |
| 2      | traces          | 10          | 32-41 |     |                |                |                |                | V. Galitzine                 |
| 2      | eP              | 15          | 57    | 52  |                |                |                |                |                              |
|        | L               | 16          | 28    |     |                |                |                |                |                              |
|        | F               | 17,7        |       |     |                |                |                |                |                              |
| 3      | traces          | 22          | 39-50 |     |                |                |                |                | V. Galitzine                 |
| 4      | id              | 0           | 5-14  |     |                |                |                |                | id.                          |
| 4      | id              | 14          | 28-33 |     |                |                |                |                | id.                          |
| 4      | eP              | 23          | 48    | 2   |                |                |                |                | $\Delta=(9440\text{Km.})$    |
| 5      | e               |             | 52    |     |                |                |                |                |                              |
|        | i(S)N           |             | 58    | 34  |                |                |                |                |                              |
|        | L               | 0           | 19    |     |                |                |                |                |                              |
|        | M <sub>1</sub>  |             | 20-21 |     |                | 8              |                | 2              |                              |
|        | M <sub>2</sub>  |             | 22-23 |     | 9              |                | 1              |                |                              |
|        | F               | 1,1         |       |     |                |                |                |                |                              |
| 5      | eP              | 15          | 2     | 54  |                |                |                |                |                              |
|        | e               |             | 4     | 37  |                |                |                |                |                              |
|        | e               |             | 6     | 18  |                |                |                |                |                              |
|        | L               |             | 22    |     |                |                |                |                |                              |
|        | M               |             | 22-23 |     | 14             | 9              | 3              | 2              |                              |
|        | F               | 17,5        |       |     |                |                |                |                |                              |
| 7      | traces          | 23          | 38-42 |     |                |                |                |                | V. Galitzine                 |
| 8      | id              | 5           | 31-36 |     |                |                |                |                | id.                          |
| 8      | id              | 16          | 26-30 |     |                |                |                |                | id.                          |
| 9      | eL              | 13          | 31    |     |                |                |                |                | id.                          |
|        | F               |             | 55    |     |                |                |                |                |                              |
| 9      | e               | 14          | 54    |     |                |                |                |                |                              |
|        | eL              | 15          | 33    |     |                |                |                |                |                              |
|        | M               |             | 39-40 |     |                | 13             |                | 1              |                              |
|        | F               | 16,4        |       |     |                |                |                |                |                              |
| 9      | traces          | 17          | 39-52 |     |                |                |                |                | V. Galitzine                 |
| 10     | id              | 16h50à17h13 |       |     |                |                |                |                | id.                          |
| 11     | iP              | 1           | 9     | 27  |                |                |                |                |                              |
|        | e(PR)           |             | 13    | 25  |                |                |                |                |                              |
|        | e               |             | 14    | 9   |                |                |                |                |                              |
|        | L               |             | 23    |     |                |                |                |                |                              |
|        | M <sub>1</sub>  |             | 27-28 |     |                | 15             |                | 7              |                              |
|        | M <sub>2</sub>  |             | 37    |     |                | 17             |                | 9              |                              |
|        | M <sub>3</sub>  |             | 43-44 |     | 15             |                | 3              |                |                              |
|        | M <sub>4</sub>  | 2           | 9-10  |     | 21             |                | 6              |                |                              |
|        | F               | 2,4         |       |     |                |                |                |                |                              |



| Dates. | Phases.        | T. M. Gr.    |         |    | T <sub>N</sub><br>S | T <sub>E</sub><br>S | Août 1937           |                     | Remarques                         |
|--------|----------------|--------------|---------|----|---------------------|---------------------|---------------------|---------------------|-----------------------------------|
|        |                | h            | m       | s  |                     |                     | A <sub>N</sub><br>μ | A <sub>E</sub><br>μ |                                   |
| 11     | traces         | 13h46        | 14h19   |    |                     |                     |                     |                     | V. Galitzine                      |
| 12     | id             | 1            | 12-33   |    |                     |                     |                     |                     | id.                               |
| 13     | (eP)           | 12           | 8       |    |                     |                     |                     |                     | id.                               |
|        | e              |              | 12      |    |                     |                     |                     |                     |                                   |
|        | eL             | 13           | 8       |    |                     |                     |                     |                     |                                   |
|        | F              | 13,6         |         |    |                     |                     |                     |                     |                                   |
| 15     | eL             | 5            | 18      |    |                     |                     |                     |                     | id.                               |
|        | F              | 5,7          |         |    |                     |                     |                     |                     |                                   |
| 17     | e              | 13           | 23      |    |                     |                     |                     |                     |                                   |
|        | L              | 14           | 6       |    |                     |                     |                     |                     |                                   |
|        | F              | 14,8         |         |    |                     |                     |                     |                     |                                   |
| 18     | traces         | 9            | 12-22   |    |                     |                     |                     |                     | V. Galitzine                      |
| 18     | e(P)           | 15           | 19 26   |    |                     |                     |                     |                     |                                   |
|        | e              |              | 24      |    |                     |                     |                     |                     |                                   |
|        | L              |              | 33      |    |                     |                     |                     |                     |                                   |
|        | M <sub>1</sub> |              | 35-36   | 9  |                     | 1                   |                     |                     |                                   |
|        | M <sub>2</sub> |              | 42-43   |    | 12                  |                     |                     | 1                   |                                   |
|        | F              | 16,1         |         |    |                     |                     |                     |                     |                                   |
| 20     | iP             | 6            | 51 30   |    |                     |                     |                     |                     |                                   |
|        | (PR)           |              | 55 24   |    |                     |                     |                     |                     |                                   |
|        | L              | 7            | 4       |    |                     |                     |                     |                     |                                   |
|        | M <sub>1</sub> |              | 4-5     | 9  |                     | 1                   |                     |                     |                                   |
|        | M <sub>2</sub> |              | 6-7     |    | 9                   |                     |                     | 1                   |                                   |
|        | F              | 9,1          |         |    |                     |                     |                     |                     |                                   |
| 20     | ePv            | 12           | 12 (49) |    |                     |                     |                     |                     | Δ=(11150Km)int.min                |
|        | e              |              | 17 0    |    |                     |                     |                     |                     | Dest <sup>r</sup> aux Philippines |
|        | e(SKS)         |              | 23 28   |    |                     |                     |                     |                     | interprétation dou                |
|        | (S)            |              | 24 29   |    |                     |                     |                     |                     | teuse.                            |
|        | (PS)           |              | 26 13   |    |                     |                     |                     |                     |                                   |
|        | L              |              | 39      |    |                     |                     |                     |                     |                                   |
|        | M <sub>1</sub> |              | 52-53   | 22 | 23                  | 520                 | 80                  |                     |                                   |
|        | M <sub>2</sub> |              | 53-54   | 22 | 19                  | 470                 | 160                 |                     |                                   |
|        | M <sub>3</sub> |              | 57-58   | 17 | 25                  | 160                 | 350                 |                     |                                   |
|        | M <sub>4</sub> |              | 58-59   | 19 | 19                  | 300                 | 230                 |                     |                                   |
|        | F              | 17,3         |         |    |                     |                     |                     |                     |                                   |
| 21     | e              | 23           | 18 56   |    |                     |                     |                     |                     |                                   |
| 22     | L              |              | 58      |    |                     |                     |                     |                     |                                   |
|        | M              | 0            | 4-5     | 5  | 10                  | 1                   | 1                   |                     |                                   |
|        | F              | 0,6          |         |    |                     |                     |                     |                     |                                   |
| 22     | iP             | 11           | 40 58   |    |                     |                     |                     |                     |                                   |
|        | e              |              | 48 30   |    |                     |                     |                     |                     |                                   |
|        | L              |              | 55      |    |                     |                     |                     |                     |                                   |
|        | F              | 12,8         |         |    |                     |                     |                     |                     |                                   |
| 23     | traces         | 17h59        | 18h9m   |    |                     |                     |                     |                     | V. Galitzine                      |
| 24     | iP             | 18           | 47 42   |    |                     |                     |                     |                     |                                   |
|        | e              |              | 52 19   |    |                     |                     |                     |                     |                                   |
|        | L              | 19           | 46      |    |                     |                     |                     |                     |                                   |
|        | M <sub>1</sub> | 20           | 0       |    | 17                  |                     |                     | 3                   |                                   |
|        | M <sub>2</sub> |              | 1-2     | 15 |                     | 1                   |                     |                     |                                   |
|        | F              | dans le suiv |         |    |                     |                     |                     |                     |                                   |
| 24     | e(P)           | 20           | 26 13   |    |                     |                     |                     |                     |                                   |
|        | L              |              | 53      |    |                     |                     |                     |                     |                                   |
|        | F              | 21,3         |         |    |                     |                     |                     |                     |                                   |
| 24     | traces         | 23           | 22-45   |    |                     |                     |                     |                     | V. Galitzine                      |
| 25     | id             | 23           | 1-10    |    |                     |                     |                     |                     | id                                |
| 26     | e              | 19           | 31      |    |                     |                     |                     |                     |                                   |
|        | L              |              | 42      |    |                     |                     |                     |                     |                                   |
|        | M <sub>1</sub> |              | 50-51   | 22 |                     | 5                   |                     |                     |                                   |
|        | M <sub>2</sub> |              | 51-52   | 16 | 16                  | 4                   |                     | 7                   |                                   |
|        | F              | 20,9         |         |    |                     |                     |                     |                     |                                   |
| 27     | traces         | 15           | 6-11    |    |                     |                     |                     |                     | V. galitzine                      |
| 29     | id             | 8            | 2-5     |    |                     |                     |                     |                     | id.                               |
| 29     | eL             | 18           | 42      |    |                     |                     |                     |                     | id                                |
|        | F              |              | 57      |    |                     |                     |                     |                     |                                   |



| Août 1937 |                 |      |       |     |                |                |                |                |           |
|-----------|-----------------|------|-------|-----|----------------|----------------|----------------|----------------|-----------|
| Dates.    | Phases.         | T.   | M.    | Gr. | T <sub>N</sub> | T <sub>E</sub> | A <sub>N</sub> | A <sub>E</sub> | Remarques |
| 31        | e               | h    | m     | s   | s              | s              | r              | r              |           |
|           | L               | 2    | 52    | 8   |                |                |                |                |           |
|           | F               | 3    | 49    |     |                |                |                |                |           |
|           |                 | 4,7  |       |     |                |                |                |                |           |
| 31        | iP <sub>V</sub> | 14   | 26    | 44  |                |                |                |                | Δ=8035Km. |
|           | e(PR)           |      | 29    | 32  |                |                |                |                |           |
|           | iS <sub>N</sub> |      | 36    | 11  |                |                |                |                |           |
|           | L               |      | 54    |     |                |                |                |                |           |
|           | M <sub>1</sub>  |      | 59-60 |     | 15             |                | 14             |                |           |
|           | M <sub>2</sub>  | 15   | 2-3   |     | 14             | 15             | 11             | 12             |           |
|           | F               | 16,7 |       |     |                |                |                |                |           |

#### JOURNAL SEISMOLOGIQUE

1er au 6: 0 toute la journée; 7: 0 jusqu'à 14h, 1 ensuite;  
8: 1 toute la journée; 9: 1 jusqu'à 11h, 0 de 11h à 16h, 1 de 16h à  
20h, 0 ensuite; 10: 0 toute la journée.

11: 0 toute la journée; 12: 0 jusqu'à 13h, 1 de 13h à 20h, 0  
ensuite; 13: 0 jusqu'à 3h, 1 de 3h à 8h, 0 de 8h à 15h, 1 ensuite; 14-15:  
1 toute la journée; 16: 1 jusqu'à 10h, 0 de 10h à 18h, 1 ensuite;  
17: 1 jusqu'à 14h, 0 ensuite; 18: 0 jusqu'à 6h, 1 de 6h à 10h, 0 ensuite;  
19: 0 jusqu'à 6h, 1 de 6h à 20h, 0 ensuite; 20: 0 jusqu'à 7h, 1 de 7h à  
20h, 0 ensuite.

21: 0 jusqu'à 7h, 1 de 7h à 11h, 0 ensuite; 22: 0 toute la journée  
23: 0 jusqu'à 6h, 1 ensuite; 24-27: 1 toute la journée; 28: 1  
jusqu'à 22h, 0 ensuite; 29-30: 0 toute la journée; 31: 0 jusqu'à  
18h, 1 ensuite.

Caractéristique moyenne du mois: 0,44.

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Station séismologique

OBSERVATOIRE GEOPHYSIQUE DU PARC SAINT-MAUR

Long. 2°29'37"E Gr. Lat. 48°48'34"N. Altitude: 47 mètres.

Appareil: Séismographe Wiechert masse 1000Kgs.

CteN:  $T_0 = 11^s, 7$ ;  $\xi = 3, 8$ ;  $V = 222$ . CteE:  $T_0 = 12^s, 0$ ;  $\xi = 3, 9$ ;  $V = 237$

Bulletin séismique du 1er au 30 Septembre 1937

par C.-E. Brazier et L. Genaux.

| Dates. | Phases.         | T.    | M.      | Gr.  | $T_N$ | $T_E$ | $A_N$ | $A_E$ | Remarques.                             |
|--------|-----------------|-------|---------|------|-------|-------|-------|-------|----------------------------------------|
|        |                 | h     | m       | s    | s     | s     | $\mu$ | $\mu$ |                                        |
| 1er    | iP              | 8     | 58      | 46   |       |       |       |       | compression.                           |
|        | PR <sub>1</sub> | 9     | 3       | 21   |       |       |       |       | $\Delta = (12000\text{Km}) \text{ ca}$ |
|        | e(SKS)          |       | 8       | (42) |       |       |       |       |                                        |
|        | L               |       | 59      |      |       |       |       |       |                                        |
|        | M <sub>1</sub>  | 10    | 9-10    |      | 24    | 21    | 10    | 7     |                                        |
|        | M <sub>2</sub>  |       | 16      |      | 19    | 20    | 9     | 10    |                                        |
|        | F <sub>2</sub>  | 11    | 38      |      |       |       |       |       |                                        |
| 1er    | e               | 18    | (10)    |      |       |       |       |       | V. Galitzine                           |
|        | L               |       | 48      |      |       |       |       |       |                                        |
|        | F               | 19, 1 |         |      |       |       |       |       |                                        |
| 1er    | e               | 22    | 1       | 28   |       |       |       |       |                                        |
| 2      | L               | 23    | 8       |      |       |       |       |       |                                        |
|        | F               | 0, 3  |         |      |       |       |       |       |                                        |
| 2      | traces          | 12h55 | à 13h8m |      |       |       |       |       | V. Galitzine                           |
| 3      | iP              | 19    | 0       | 12   |       |       |       |       | compression                            |
|        | PP              |       | 3       | 25   |       |       |       |       | $\Delta = 8520\text{Km}.$              |
|        | iS              |       | 10      | 2    | 8     | 9     | 22    | 22    |                                        |
|        | PS              |       | 11      | 4    |       |       |       |       |                                        |
|        | L               |       | 20      |      |       |       |       |       |                                        |
|        | M <sub>1</sub>  |       | 27-28   |      | 42    |       | 220   |       |                                        |
|        | M <sub>2</sub>  |       | 28-29   |      |       | 32    |       | 50    |                                        |
|        | M <sub>3</sub>  |       | 33-34   |      |       | 30    |       | 60    |                                        |
|        | M <sub>4</sub>  |       | 36-37   |      | 26    |       | 40    |       |                                        |
|        | F               | 22    | 35      |      |       |       |       |       |                                        |
| 3      | eL              | 23    | 22      |      |       |       |       |       |                                        |
| 4      | F               | 0, 2  |         |      |       |       |       |       |                                        |
| 4      | e               | 6     | 34      | 13   |       |       |       |       |                                        |
|        | L               | 7     | 26      |      |       |       |       |       |                                        |
|        | M <sub>1</sub>  |       | 38-39   |      | 22    | 22    | 10    | 7     |                                        |
|        | M <sub>2</sub>  |       | 41-42   |      | 21    |       | 10    |       |                                        |
|        | F <sub>2</sub>  | 8     | 40      |      |       |       |       |       |                                        |
| 7      | eP              | 0     | 54      | (38) |       |       |       |       | $\Delta = (8700\text{Km}) \text{ ca}$  |
|        | i(PR)           |       | 58      | 35   |       |       |       |       |                                        |
|        | eS              | 1     | 4       | 34   |       |       |       |       |                                        |
|        | i               |       | 5       | 28   |       |       |       |       |                                        |
|        | e(SS)           |       | 7       | 48   |       |       |       |       |                                        |
|        | L               |       | 24      |      |       |       |       |       |                                        |
|        | M <sub>1</sub>  |       | 28-29   |      |       | 34    |       | 31    |                                        |
|        | M <sub>2</sub>  |       | 29-30   |      |       | 34    |       | 47    |                                        |
|        | M <sub>3</sub>  |       | 33-34   |      | 32    |       | 28    |       |                                        |
|        | M <sub>4</sub>  |       | 35-36   |      | 29    |       | 22    |       |                                        |
|        | F               | 4, 3  |         |      |       |       |       |       |                                        |
| 8      | eL              | 17    | 11      |      |       |       |       |       |                                        |
|        | F               |       | 35      |      |       |       |       |       |                                        |

Septembre 1937

2/

| Dates. | Phases.         | T. M. Gr.      | T <sub>N</sub> | T <sub>E</sub> | A <sub>N</sub> | A <sub>E</sub> | Remarques.        |
|--------|-----------------|----------------|----------------|----------------|----------------|----------------|-------------------|
|        |                 | h m s          | S              | S              | μ              | μ              |                   |
| 9      | traces          | 6 18-40        |                |                |                |                | V.Galitzine.      |
| 15     | id              | 0h57a2h20m     |                |                |                |                | id.               |
| 15     | eP              | 12 46 (52)     |                |                |                |                | int.min.lointain. |
|        | (PR)            | 49 41          |                |                |                |                |                   |
|        | i(SKP)          | 50 25          |                |                |                |                |                   |
|        | L               | 13 27          |                |                |                |                |                   |
|        | M <sub>1</sub>  | 41-42          | 25             |                | 28             |                |                   |
|        | M <sub>2</sub>  | 42-43          | 25             |                | 25             |                |                   |
|        | M <sub>3</sub>  | 44-45          | 22             | 26             | 26             | 27             |                   |
|        | M <sub>4</sub>  | 49-50          | 23             | 21             | 23             | 30             |                   |
|        | F               | 15,3           |                |                |                |                |                   |
| 16     | eP              | 0 1 13         |                |                |                |                | Δ=8900Km.         |
|        | eS <sub>E</sub> | 11 18          |                |                |                |                |                   |
|        | L               | 27             |                |                |                |                |                   |
|        | M <sub>1</sub>  | 31-32          |                | 24             |                | 20             |                   |
|        | M <sub>2</sub>  | 37-38          |                | 21             |                | 21             |                   |
|        | M <sub>3</sub>  | 41-42          | 15             | 17             | 5              | 13             |                   |
|        | F               | 2,0            |                |                |                |                |                   |
| 17     | e               | 9 (50)         |                |                |                |                |                   |
|        | L               | 10 23          |                |                |                |                |                   |
|        | M <sub>1</sub>  | 29-30          | 21             |                | 12             |                |                   |
|        | M <sub>2</sub>  | 30-31          |                | 17             |                | 9              |                   |
|        | M <sub>3</sub>  | 34-35          | 17             |                | 7              |                |                   |
|        | F               | 12,6           |                |                |                |                |                   |
| 19     | traces          | 9 20-37        |                |                |                |                | V.Galitzine.      |
| 20     | e               | 7 17           |                |                |                |                |                   |
|        | L               | 52             |                |                |                |                |                   |
|        | F               | 8 26           |                |                |                |                |                   |
| 20     | eL              | 15 40          |                |                |                |                | V.Galitzine       |
|        | F               | 16,0           |                |                |                |                | id                |
| 21     | e               | 8 10           |                |                |                |                |                   |
|        | L               | 31             |                |                |                |                |                   |
|        | F               | dans les suivt |                |                |                |                |                   |
| 21     | e <sub>1</sub>  | 10 4 58        |                |                |                |                |                   |
|        | e <sub>2</sub>  | 6 31           |                |                |                |                |                   |
|        | e <sub>3</sub>  | 8 13           |                |                |                |                |                   |
|        | L               | 40             |                |                |                |                |                   |
|        | M               | 46-47          | 20             | 21             | 3              | 6              |                   |
|        | F               | 12,7           |                |                |                |                |                   |
| 21     | eL              | 21 48          |                |                |                |                | V.Galitzine       |
|        | F               | 22 13          |                |                |                |                |                   |
| 22     | e               | 3 52           |                |                |                |                |                   |
|        | L               | 4 3            |                |                |                |                |                   |
|        | M <sub>1</sub>  | 6-7            | 22             |                | 11             |                |                   |
|        | M <sub>2</sub>  | 12-13          |                | 21             |                | 11             |                   |
|        | F               | 5 16           |                |                |                |                |                   |
| 23     | e(P)            | 13 22 (13)     |                |                |                |                | lointain          |
|        | iP'             | 25 19          |                |                |                |                | début incertain.  |
|        | PP              | 27 31          | 8              | 9              | 31             | 26             |                   |
|        | (PS)            | 37 27          |                |                |                |                |                   |
|        | L               | 14 4           |                |                |                |                |                   |
|        | M <sub>1</sub>  | 8-9            |                | 41             |                | 110            |                   |
|        | M <sub>2</sub>  | 14-15          |                | 39             |                | 90             |                   |
|        | M <sub>3</sub>  | 16-17          | 26             | 28             | 48             | 41             |                   |
|        | M <sub>4</sub>  | 28-29          | 19             |                | 23             |                |                   |
|        | F               | 19,0           |                |                |                |                |                   |
| 25     | iP              | 4 34 14        |                |                |                |                | compression       |
|        | iS              | 37 54          |                |                |                |                | Δ=2080Km.         |
|        | L               | 40             |                |                |                |                |                   |
|        | M <sub>1</sub>  | 40-41          | 9              | 10             | 18             | 11             |                   |
|        | M <sub>2</sub>  | 41-42          | 12             | 11             | 13             | 13             |                   |
|        | F               | 5 40           |                |                |                |                |                   |



| Septembre 1937 |                  |       |         |     |                |                | Remarques.    |
|----------------|------------------|-------|---------|-----|----------------|----------------|---------------|
| Dates.         | Phases.          | T.    | M.      | Gr. | T <sub>N</sub> | T <sub>E</sub> |               |
|                |                  | h     | m       | s   | s              | s              |               |
| 25             | traces           | 8     | 8-36    |     |                |                | V. Galitzine. |
| 26             | eL               | 0     | 23      |     |                |                | id            |
|                | F                |       | 47      |     |                |                |               |
| 27             | e <sub>1</sub>   | 9     | 10      |     |                |                | début douteux |
|                | e <sub>2</sub>   |       | 14      |     |                |                |               |
|                | i                |       | 20      | 12  |                |                |               |
|                | i (PS)           |       | 23      | 21  |                |                |               |
|                | L                |       | 47      |     |                |                |               |
|                | M <sub>1</sub>   |       | 56-57   |     | 28             |                | 25            |
|                | M <sub>2</sub>   |       | 57-58   |     | 28             |                | 24            |
|                | M <sub>3</sub>   | 10    | 6-7     |     |                | 18             | 27            |
|                | M <sub>4</sub>   |       | 9-10    |     |                | 18             | 19            |
|                | W <sub>1</sub> ? | 12    | 22      |     |                |                |               |
|                | F                | 13,7  |         |     |                |                |               |
| 27             | traces           | 20    | 45-57   |     |                |                | V. Galitzine  |
| 28             | e                | 6     | 33      |     |                |                |               |
|                | L                | 7     | 0       |     |                |                |               |
|                | M                |       | 6-7     |     |                | 18             | 4             |
|                | F                | 8,3   |         |     |                |                |               |
| 28             | traces           | 13h40 | à 14h0m |     |                |                | V. Galitzine  |
| 28             | eL               | 19    | 1       |     |                |                |               |
|                | F                |       | 42      |     |                |                |               |
| 29             | traces           | 0     | 10-37   |     |                |                | V. Galitzine  |
| 29             | eL               | 12    | 9       |     |                |                |               |
|                | M                |       | 12-13   |     |                | 17             | 3             |
|                | F                | 13,1  |         |     |                |                |               |
| 29             | eL               | 23    | 27      |     |                |                | V. Galitzine  |
|                | F                |       | 41      |     |                |                |               |
| 30             | e                | 22    | (38)    |     |                |                |               |
|                | L                |       | 58      |     |                |                |               |
|                | F                | 24,0  |         |     |                |                |               |

# JOURNAL SEISMOLOGIQUE.

1er-15: 1 toute la journée; 16: 1 jusqu'à 6h, 2 de 6h à 14h, 1 ensuite; 17: 1 jusqu'à 6h, 2 de 6h à 10h, 1 ensuite; 18-20: 1 toute la journée.

21-29: 1 toute la journée; 30: 1 jusqu'à 7h, 2 ensuite.

Caractéristique moyenne du mois: 1,04.

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Station sismologique

OBSERVATOIRE GEOPHYSIQUE DU PARC SAINT-MAUR

Long.  $2^{\circ}29'37''$ E. Gr. Lat.  $48^{\circ}48'34''$ N. Altitude: 47m.

Appareil: Séismographe Wiechert masse 1000Kgs.

CteN:  $T_0=11^s,7$ ;  $\xi=3,9$ ;  $V=217$ ; CteE:  $T_0=11^s,9$ ;  $\xi=4,0$ ;  $V=234$ .

Bulletin sismique du 1er au 31 Octobre 1937

par C-E. Brazier et L. Genaux.

| Dates. | Phases.        | T.    | M.    | Gr. | T <sub>N</sub> | T <sub>E</sub> | A <sub>N</sub> | A <sub>E</sub> | Remarques.          |
|--------|----------------|-------|-------|-----|----------------|----------------|----------------|----------------|---------------------|
| 1er    | traces         | 15h53 | 16h58 |     |                |                |                |                | V. Galitzine        |
| 1er    | e              | 20    | 1     |     |                |                |                |                |                     |
|        | L              |       | 39    |     |                |                |                |                |                     |
|        | F              | 22,7  |       |     |                |                |                |                |                     |
| 4      | eL             | 9     | 4     |     |                |                |                |                | V. Gal              |
|        | F              | 10,0  |       |     |                |                |                |                |                     |
| 5      | eL             | 7     | 5     |     |                |                |                |                |                     |
|        | M              |       | 11-12 |     |                | 13             |                | 2              |                     |
|        | F              | 7,9   |       |     |                |                |                |                |                     |
| 6      | iP             | 9     | 59    | 43  |                |                |                |                | dilatation          |
|        | iS             | 10    | 10    | 2   |                |                |                |                | $\Delta=9200$ Km.   |
|        | L              |       | 28    |     |                |                |                |                |                     |
|        | M              |       | 39-40 |     |                | 18             |                | 4              |                     |
|        | F              | 11    | 10    |     |                |                |                |                |                     |
| 6      | eP             | 17    | 24    | 5   |                |                |                |                |                     |
|        | e              |       | 27    | 29  |                |                |                |                |                     |
|        | L              | 18    | 13    |     |                |                |                |                |                     |
|        | M              |       | 28-29 |     | 18             | 17             | 3              | 3              |                     |
|        | F              | 20,1  |       |     |                |                |                |                |                     |
| 6      | e              | 21    | 57    | 32  |                |                |                |                |                     |
|        | L              | 22    | 26    |     |                |                |                |                |                     |
|        | F              | 22,9  |       |     |                |                |                |                |                     |
| 7      | traces         | 8h12  | 9h36  |     |                |                |                |                | V. Gal              |
| 9      | eL             | 19    | 22    |     |                |                |                |                |                     |
|        | F              | 20    | 15    |     |                |                |                |                |                     |
| 10     | traces         | 5     | 16-48 |     |                |                |                |                | V. Gal              |
| 10     | id             | 9h41  | 10h12 |     |                |                |                |                | id                  |
| 11     | id             | 17h58 | 18h6  |     |                |                |                |                | id                  |
| 11     | e              | 21    | (44)  |     |                |                |                |                |                     |
|        | L              | 22    | 24    |     |                |                |                |                |                     |
|        | F              | 23    | 50    |     |                |                |                |                |                     |
| 12     | eL             | 16    | 39    |     |                |                |                |                | V. Gal              |
|        | F              | 17    | 34    |     |                |                |                |                |                     |
| 12     | (eP)           | 21    | 4     | 19  |                |                |                |                | $\Delta=(9380)$ Km) |
|        | e              |       | 8     | 18  |                |                |                |                |                     |
|        | e(S)           |       | 14    | 48  |                |                |                |                |                     |
|        | L              |       | 36    |     |                |                |                |                |                     |
|        | F              | 22    | 40    |     |                |                |                |                |                     |
| 13     | traces         | 19h56 | 20h20 |     |                |                |                |                | V. Gal              |
| 17     | iP             | 4     | 59    | 55  |                |                |                |                | $\Delta=(9280)$ Km) |
|        | e(S)           | 5     | 10    | 19  |                |                |                |                |                     |
|        | L              |       | 35    |     |                |                |                |                |                     |
|        | M <sub>1</sub> |       | 36-37 |     | 18             | 19             | 6              | 9              |                     |
|        | M <sub>2</sub> |       | 38-39 |     |                | 19             |                | 7              |                     |
|        | M <sub>3</sub> |       | 42-43 |     | 17             |                | 6              |                |                     |
|        | F              | 7,5   |       |     |                |                |                |                |                     |

|        |                | Octobre 1937 |       |     |                | 2/             |                |                |            |
|--------|----------------|--------------|-------|-----|----------------|----------------|----------------|----------------|------------|
| Dates. | Phases.        | T.           | M.    | Gr. | T <sub>N</sub> | T <sub>E</sub> | A <sub>N</sub> | A <sub>E</sub> | Remarques  |
|        |                | h            | m     | s   | s              | s              | μ              | μ              |            |
| 17     | traces         | 10           | 2-9   |     |                |                |                |                | V. Galitzi |
| 20     | e              | 1            | (56)  |     |                |                |                |                |            |
|        | L              | 2            | 1     |     |                |                |                |                |            |
|        | M              |              | 2-3   |     |                | 14             |                | 2              |            |
|        | F              | 2            | 30    |     |                |                |                |                |            |
| 22     | traces         | 17           | 11-42 |     |                |                |                |                | V. Gal     |
| 23     | e              | 17           | (31)  |     |                |                |                |                |            |
|        | L              | 18           | 24    |     |                |                |                |                |            |
|        | F              | 19,          | 1     |     |                |                |                |                |            |
| 24     | e              | 11           | (44)  |     |                |                |                |                |            |
|        | L              | 12           | 12    |     |                |                |                |                |            |
|        | M <sub>1</sub> |              | 19-20 |     | 15             |                | 3              |                |            |
|        | M <sub>2</sub> |              | 20-21 |     |                | 14             |                | 2              |            |
|        | F              | 13,          | 1     |     |                |                |                |                |            |
| 25     | traces         | 8            | 38-54 |     |                |                |                |                | V. Gal     |
| 26     | eL             | 0            | 7     |     |                |                |                |                |            |
|        | F              | 0,           | 6     |     |                |                |                |                |            |
| 28     | traces         | 16           | 34-55 |     |                |                |                |                | V. Gal     |
| 29     | e              | 7            | 35    | 6   |                |                |                |                |            |
|        | F              | 8            | 14    |     |                |                |                |                |            |

# JOURNAL SEISMOLOGIQUE

1er: 1 jusqu'à 7h, 2 de 7h à 10h, 1 ensuite; 2-3: 1 toute la journée; 4: 1 jusqu'à 7h, 2 de 7h à 11h, 1 ensuite; 5-10: 1 toute la journée.

11: 1 toute la journée; 12: 1 jusqu'à 18h, 0 ensuite; 13: 0 toute la journée; 14: 0 jusqu'à 8h, 1 ensuite; 15-19: 1 toute la journée; 20: 1 jusqu'à 13h, 2 de 13h à 19h, 1 ensuite.

21-31: 1 toute la journée.

Caractéristique moyenne du mois: 0,97.

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International  
Seismological  
Centre

Station seismologique

OBSERVATOIRE GEOPHYSIQUE DU PARC SAINT-MAUR

Long.  $2^{\circ}29'37''$ E Gr. Lat.  $48^{\circ}48'34''$  N. Altitude: 47 M.

Appareil: Seismographe Wiechert masse 1000 K $\gamma$ .

Cte N:  $T_0=11^s,5$ ;  $\xi=4,0$ ;  $V=221$ . Cte E:  $T_0=11^s,7$ ;  $\xi=3,9$ ;  $V=235$

Bulletin du 1 $^{er}$  au 30 Novembre 1937

par C-E. Brazier et L. Genaux.

| Dates. | Phases.            | T.    | M.                        | Gr. | T <sub>N</sub> | T <sub>E</sub> ? | A <sub>N</sub> | A <sub>E</sub> | Remarques         |
|--------|--------------------|-------|---------------------------|-----|----------------|------------------|----------------|----------------|-------------------|
|        |                    | h     | m                         | s   | s              | s                | $\mu$          | $\gamma$       |                   |
| 2      | eL                 | 12    | 9                         |     |                |                  |                |                |                   |
|        | M                  |       | 14-15                     |     |                | 14               |                | 2              |                   |
|        | F                  | 13    | 13                        |     |                |                  |                |                |                   |
| 2      | traces             | 16    | 17-29                     |     |                |                  |                |                | V. Galitzine      |
| 5      | id                 | 10h36 | à 11h0                    |     |                |                  |                |                | id                |
| 7      | id                 | 19    | 40-56                     |     |                |                  |                |                | id                |
| 10     | eL                 | 8     | 2                         |     |                |                  |                |                |                   |
|        | M                  |       | 3-4                       |     |                | 17               |                | 4              |                   |
|        | F                  | 9     | 11                        |     |                |                  |                |                |                   |
| 11     | eL                 | 0     | 25                        |     |                |                  |                |                | V. Galitzine      |
|        | L                  |       | 33                        |     |                |                  |                |                |                   |
|        | F                  | 1     | 15                        |     |                |                  |                |                | id                |
| 11     | traces             | 10    | 15-40                     |     |                |                  |                |                | id faible         |
| 11     | eL                 | 11    | 35                        |     |                |                  |                |                |                   |
|        | F                  |       | 56                        |     |                |                  |                |                | id                |
| 13     | eL                 | 10    | 10                        |     |                |                  |                |                |                   |
|        | F                  |       | dans le suiv <sup>t</sup> |     |                |                  |                |                |                   |
| 13     | eL                 | 11    | 12                        |     |                |                  |                |                |                   |
|        | M <sub>1</sub>     |       | 27-28                     |     | 19             |                  | 5              |                |                   |
|        | M <sub>2</sub>     |       | 52-53                     |     |                | 19               |                | 4              |                   |
|        | F                  | 12    | 53                        |     |                |                  |                |                |                   |
| 13     | e                  | 18    | 14                        |     |                |                  |                |                |                   |
|        | L                  | 19    | 23                        |     |                |                  |                |                |                   |
|        | F                  | 20    | 16                        |     |                |                  |                |                |                   |
| 14     | iP                 | 11    | 6                         | 48  |                |                  |                |                | compression       |
|        | iSP                |       | 8                         | 4   |                |                  |                |                | E-W: 7mmO         |
|        | PP                 |       | 8                         | 46  |                |                  |                |                | $\Delta=5500$ Km. |
|        | iS                 |       | 13                        | 40  | 9              |                  | 75             |                |                   |
|        | L                  |       | 17                        |     |                |                  |                |                |                   |
|        | M <sub>1</sub>     |       | 18                        |     | 13             | 13               | 75             | 70             |                   |
|        | M <sub>2</sub>     |       | 20-21                     |     | 9              |                  | 80             |                |                   |
|        | M <sub>3</sub>     |       | 21-22                     |     |                | 11               |                | 54             |                   |
|        | M <sub>4</sub>     |       | 22-23                     |     | 10             |                  | 56             |                |                   |
|        | F                  | 14,6  |                           |     |                |                  |                |                | V. Galitzine      |
| 14     | traces             | 22    | 15-33                     |     |                |                  |                |                | id                |
| 15     | eL                 | 0     | 47                        |     |                |                  |                |                |                   |
|        | F                  | 1     | 9                         |     |                |                  |                |                |                   |
| 15     | e <sub>1</sub> (P) | 21    | 47                        | 3   |                |                  |                |                |                   |
|        | e <sub>2</sub>     |       | 55                        | 45  |                |                  |                |                |                   |
|        | e <sub>3</sub>     | 22    | 0                         | 51  |                |                  |                |                |                   |
|        | L                  |       | 7                         |     |                |                  |                |                |                   |
|        | M <sub>1</sub>     |       | 13-14                     |     | 11             |                  | 9              |                |                   |
|        | M <sub>2</sub>     |       | 14-15                     |     |                | 14               |                | 14             |                   |
|        | M <sub>3</sub>     |       | 15-16                     |     |                | 14               |                | 9              |                   |
|        | F                  | 23,4  |                           |     |                |                  |                |                |                   |

| Dates. | Phases.        | T.   | M.    | Gr. | T <sub>N</sub> | T <sub>E</sub> | A <sub>N</sub> | A <sub>E</sub> | Remarques   |
|--------|----------------|------|-------|-----|----------------|----------------|----------------|----------------|-------------|
|        |                | h    | m     | s   | S              | S              | μ              | μ              |             |
| 21     | eP             | 20   | 34    | 46  |                |                |                |                | Δ=2580 Km.  |
|        | eS             |      | 38    | 54  |                |                |                |                |             |
|        | L              |      | 41    |     |                |                |                |                |             |
|        | M              |      | 51    |     |                | 13             |                | 2              |             |
|        | F              | 22   | 6     |     |                |                |                |                |             |
| 23     | e              | 14   | 45    |     |                |                |                |                | V.Galitzine |
|        | L              | 15   | 1     |     |                |                |                |                |             |
|        | F              | 16,7 |       |     |                |                |                |                | id          |
| 25     | traces         | 5    | 2-34  |     |                |                |                |                |             |
| 25     | eL             | 6    | 12    |     |                |                |                |                |             |
|        | F              | 7,2  |       |     |                |                |                |                |             |
| 26     | e              | 10   | 58    | 23  |                |                |                |                |             |
|        | L              | 11   | 32    |     |                |                |                |                |             |
|        | M <sub>1</sub> |      | 35-36 |     | 17             |                | 8              |                |             |
|        | M <sub>2</sub> |      | 40-41 |     |                | 24             |                | 12             |             |
|        | M <sub>3</sub> |      | 42-43 |     | 19             | 21             | 6              | 12             |             |
|        | F              | 12,2 |       |     |                |                |                |                |             |
| 27     | eL             | 14   | 31    |     |                |                |                |                |             |
|        | F              | 15   | 27    |     |                |                |                |                |             |
| 27     | traces         | 20   | 16-44 |     |                |                |                |                | V.Galitzine |
| 28     | e              | 5    | 37    |     |                |                |                |                |             |
|        | L              | 6    | 18    |     |                |                |                |                |             |
|        | M              |      | 32-33 |     |                | 17             |                | 5              |             |
|        | F              | 7,5  |       |     |                |                |                |                |             |
| 30     | eP             | 0    | 53    | 13  |                |                |                |                | Δ=(9020 Km) |
|        | PP             |      | 56    | 29  |                |                |                |                |             |
|        | e(S)           | 1    | 3     | 25  |                |                |                |                |             |
|        | (PS)           |      | 4     | 23  |                |                |                |                |             |
|        | L              |      | 25    |     |                |                |                |                |             |
|        | M <sub>1</sub> |      | 30-31 |     | 20             | 18             | 5              | 4              |             |
|        | M <sub>2</sub> |      | 37-38 |     |                | 17             |                | 4              |             |
|        | F              | 3    | 18    |     |                |                |                |                |             |
| 30     | e              | 13   | 7     | 5   |                |                |                |                |             |
|        | L              |      | 18    |     |                |                |                |                |             |
|        | M <sub>1</sub> |      | 28-29 |     | 17             | 17             | 15             | 31             |             |
|        | M <sub>2</sub> |      | 29-30 |     | 16             | 16             | 12             | 27             |             |
|        | M <sub>3</sub> |      | 36    |     | 13             |                | 18             |                |             |
|        | F              | 16,2 |       |     |                |                |                |                |             |



### JOURNAL SEISMOLOGIQUE

1er au 16: 1 toute la journée; 17: 1 jusqu'à 7h, 2 de 7h à 20h, 1 ensuite; 18: 1 jusqu'à 8h, 2 de 8h à 12h, 1 ensuite; 19-20: 1 toute la journée.  
 21-25: 1 toute la journée; 26: 1 jusqu'à 7h, 2 de 7h à 11h, 1 de 11h à 16h; 2 de 16h à 19h, 1 ensuite; 27-30 : 1 toute la journée.  
 Caractéristique moyenne du mois: 1,03.

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Station seismologique

OBSERVATOIRE GEOPHYSIQUE DU PARC SAINT-MAUR

Long.  $2^{\circ}29'37''$ E Gr. Lat.  $48^{\circ}48'34''$ N. Alt. 47M.

Appareil: Séismographe Wiechert masse 1000Kgs

CteN:  $T_0=11^s,4$ ;  $\xi=3,8$ ;  $V=221$ . CteE:  $T_0=11^s,6$ ;  $\xi=3,7$ ;  $V=233$ .

Bulletin séismique du 1er au 31 Décembre 1937

par C-E. Brazier et L. Genaux.

| Dates. | Phases.        | T. M. Cr.     | $T_N$ | $T_E$ | $A_N$ | $A_E$ | Remarques.        |
|--------|----------------|---------------|-------|-------|-------|-------|-------------------|
| 2      | traces         | 17h48 à 18h36 |       |       |       |       | V. Galitzine      |
| 5      | eL             | 16 47         |       |       |       |       | id                |
|        | F              | 17 45         |       |       |       |       |                   |
| 6      | eL             | 5 23          |       |       |       |       |                   |
|        | M <sub>1</sub> | 24-25         | 17    | 20    | 6     | 6     |                   |
|        | M <sub>2</sub> | 34-35         | 15    | 16    | 6     | 6     |                   |
|        | F              | 6 19          |       |       |       |       |                   |
| 6      | traces         | 21h54 à 22h50 |       |       |       |       | V. Gal            |
| 8      | id             | 3 5-15        |       |       |       |       | id                |
| 8      | eP             | 8 45 12       |       |       |       |       | $\Delta=9500$ Km  |
|        | PP             | 48 47         |       |       |       |       |                   |
|        | eS             | 55 47         |       |       |       |       |                   |
|        | L              | 9 9           |       |       |       |       |                   |
|        | M <sub>1</sub> | 21-22         | 26    |       | 62    |       |                   |
|        | M <sub>2</sub> | 23-24         | 18    | 20    | 35    | 28    |                   |
|        | M <sub>3</sub> | 28-29         |       | 15    |       | 29    |                   |
|        | M <sub>4</sub> | 29-30         | 13    |       | 26    |       |                   |
|        | M <sub>5</sub> | 30-31         |       | 14    |       | 46    |                   |
|        | F              | 11,7          |       |       |       |       |                   |
| 8      | eL             | 21 29         |       |       |       |       |                   |
|        | M              | 37-38         | 12    | 14    | 2     | 2     |                   |
|        | F              | 22 20         |       |       |       |       |                   |
| 10     | e              | 14 12         |       |       |       |       |                   |
|        | L              | 18            |       |       |       |       |                   |
|        | M <sub>1</sub> | 26-27         | 15    |       | 6     |       |                   |
|        | M <sub>2</sub> | 28            | 16    | 15    | 7     | 5     |                   |
|        | F              | 15,6          |       |       |       |       |                   |
| 10     | (eP)           | 18 5 49       |       |       |       |       | $\Delta=(710)$ Km |
|        | (eS)           | 7 7           |       |       |       |       |                   |
|        | L              | 8             |       |       |       |       |                   |
|        | M <sub>1</sub> | 8-9           | 8     |       | 8     |       |                   |
|        | M <sub>2</sub> | 10-11         | 8     | 8     | 7     | 14    |                   |
|        | F              | 25            |       |       |       |       |                   |
| 12     | e              | 8 22          |       |       |       |       |                   |
|        | L              | 9 29          |       |       |       |       | V. Gal            |
|        | F              | 10 44         |       |       |       |       |                   |
| 13     | eP             | 19 7          |       |       |       |       |                   |
|        | e(SKS)         | 16 58         |       |       |       |       |                   |
|        | L              | 40            |       |       |       |       |                   |
|        | M <sub>1</sub> | 42-43         | 27    | 30    | 35    | 31    |                   |
|        | M <sub>2</sub> | 43-44         | 22    |       | 28    |       |                   |
|        | M <sub>3</sub> | 45            | 17    |       | 22    |       |                   |
|        | M <sub>4</sub> | 47-48         |       | 16    |       | 22    |                   |
|        | M <sub>5</sub> | 50-51         | 17    | 17    |       | 29    |                   |
|        | F              | 21,6          |       |       |       |       |                   |
| 14     | eL             | 17 20         |       |       |       |       | V. Gal.           |
|        | F              | 44            |       |       |       |       |                   |

| Décembre 1937 |                |       |         |     |                |                |                |                |                |
|---------------|----------------|-------|---------|-----|----------------|----------------|----------------|----------------|----------------|
| Dates.        | Phases.        | T.    | M.      | Gr. | T <sub>N</sub> | T <sub>E</sub> | A <sub>N</sub> | A <sub>E</sub> | Remarques.     |
|               |                | h     | m       | s   | s              | s              | °              | °              |                |
| 13            | e              | 22    | 49      |     |                |                |                |                |                |
| 14            | L              | 23    | 18      |     |                |                |                |                |                |
|               | F              | 0,3   |         |     |                |                |                |                |                |
| 16            | iP             | 17    | 40      | 7   |                |                |                |                | Δ=(2200Km)     |
|               | e(S)           |       | 43      | 50  | 6              | 8              | 11             | 5              | Grèce          |
|               | L              |       | 47      |     |                |                |                |                |                |
|               | M              |       | 49-50   |     | 7              | 6              | 4              | 4              |                |
|               | F              | 18    | 8       |     | 7              |                |                |                |                |
| 17            | traces         | 8     | 14-50   |     |                |                |                |                | V. Galitzine   |
| 17            | eP             | 9     | 45      | 9   |                |                |                |                | Δ=(11000Km) ca |
|               | ePS            |       | 57      | 22  |                |                |                |                |                |
|               | L              | 10    | 16      |     |                |                |                |                |                |
|               | M <sub>1</sub> |       | 21-22   |     | 23             |                | 24             |                |                |
|               | M <sub>2</sub> |       | 22-23   |     | 20             |                | 23             |                |                |
|               | M <sub>3</sub> |       | 23-24   |     | 17             | 21             | 15             | 15             |                |
|               | M <sub>4</sub> |       | 30-31   |     |                | 14             |                | 20             |                |
|               | F              | 11    | 48      |     |                |                |                |                |                |
| 17            | traces         | 19h56 | à 20h22 |     |                |                |                |                | V. Gal         |
| 18            | eP             | 13    | 26      | 31  |                |                |                |                | Δ=(5440Km)     |
|               | PP             |       | 28      | 20  |                |                |                |                |                |
|               | cS             |       | 33      | 37  |                |                |                |                |                |
|               | L              |       | 43      |     |                |                |                |                |                |
|               | M <sub>1</sub> |       | 47-48   |     | 14             | 19             | 17             | 45             |                |
|               | M <sub>2</sub> |       | 50-51   |     |                | 14             |                | 25             |                |
|               | F              | 14,5  |         |     |                |                |                |                |                |
| 22            | e <sub>1</sub> | 3     | 50      | 49  |                |                |                |                |                |
|               | e <sub>2</sub> | 4     | 1       |     |                |                |                |                |                |
|               | L              |       | 21      |     |                |                |                |                |                |
|               | M              |       | 31      |     | 14             | 18             | 3              | 6              |                |
|               | F              | 5,3   |         |     |                |                |                |                |                |
| 22            | traces         | 8     | 23-42   |     |                |                |                |                | V. Gal         |
| 23            | iP             | 13    | 30      | 33  |                |                |                |                | Δ=9560Km       |
|               | PP             |       | 33      | 53  |                |                |                |                | Destra Mexico  |
|               | iS             |       | 41      | 10  | 15             | 16             | 80             | 150            |                |
|               | PS             |       | 41      | 53  |                |                |                |                |                |
|               | L              |       | 57      |     |                |                |                |                |                |
|               | M <sub>1</sub> | 14    | 5-6     |     |                | 22             |                | 280            |                |
|               | M <sub>2</sub> |       | 4-5     |     | 22             |                | 100            |                |                |
|               | M <sub>3</sub> |       | 6-7     |     |                | 21             |                | 400            |                |
|               | M <sub>4</sub> |       | 7-8     |     |                | 17             |                | 210            |                |
|               | M <sub>5</sub> |       | 13-14   |     |                | 17             |                | 230            |                |
|               | M <sub>6</sub> |       | 16-17   |     | 15             | 16             | 60             | 140            |                |
|               | F              | 17,8  |         |     |                |                |                |                | V. Gal         |
| 24            | eL             | 0     | 8       |     |                |                |                |                |                |
|               | F              |       | 42      |     |                |                |                |                |                |
| 24            | iP             | 6     | 33      | 48  |                |                |                |                |                |
|               | e              |       | 44      | 41  |                |                |                |                |                |
|               | L              | 7     | 4       |     |                |                |                |                |                |
|               | M              |       | 6-7     |     |                | 30             |                | 25             |                |
|               | F              | 8,3   |         |     |                |                |                |                |                |
| 25            | eL             | 10    | 33      |     |                |                |                |                |                |
|               | M              |       | 35-36   |     | 15             | 14             | 5              | 3              |                |
|               | F              | 11    | 10      |     |                |                |                |                | V. Gal         |
| 25            | eL             | 22    | 37      |     |                |                |                |                |                |
|               | F              | 23    | 5       |     |                |                |                |                |                |
| 27            | eL             | 0     | 25      |     |                |                |                |                |                |
|               | F              | 1     | 8       |     |                |                |                |                | V. Gal         |
| 27            | eL             | 16    | 1       |     |                |                |                |                |                |
|               | F              |       | 34      |     |                |                |                |                | id             |
| 28            | e(P)           | 3     | 29      | 27  |                |                |                |                |                |
|               | L              | 4     | 19      |     |                |                |                |                |                |
|               | F              | 4,7   |         |     |                |                |                |                |                |



International  
Seismological  
Centre

| Dates. | Phases.        | T. M. | Cr.   | T <sub>N</sub> | T <sub>E</sub> | A <sub>N</sub> | A <sub>E</sub> | Remarques   |
|--------|----------------|-------|-------|----------------|----------------|----------------|----------------|-------------|
|        |                | h     | m     | s              | s              | μ              | μ              |             |
| 28     | eP             | 6     | 29    | 1              |                |                |                | Δ=(6100Km)  |
|        | e(S)           |       | 36    | 47             |                |                |                |             |
|        | e              |       | 38    | 57             |                |                |                |             |
|        | L              |       | 44    |                |                |                |                |             |
|        | M <sub>1</sub> |       | 47-48 | 24             | 21             | 16             | 16             |             |
|        | M <sub>2</sub> |       | 50-51 |                | 20             |                | 18             |             |
|        | M <sub>3</sub> |       | 53    | 18             | 17             | 18             | 16             |             |
|        | F              | 8,6   |       |                |                |                |                |             |
| 30     | e              | 2     | 12    | 24             |                |                |                | peu éloigné |
|        | eL             |       | 13    |                |                |                |                |             |
|        | M              |       | 13-14 |                | 5              |                | 5              |             |
|        | F              |       | 21    |                |                |                |                |             |
| 30     | eL             | 12    | 29    |                |                |                |                | V.Gel       |
|        | F              | 12,9  |       |                |                |                |                |             |
| 31     | iP             | 17    | 53    | 59             |                |                |                | Δ=(9280Km)  |
|        | FP             |       | 57    | 15             |                |                |                |             |
|        | e(S)           | 18    | 4     | 23             |                |                |                |             |
|        | e              |       | 4     | 55             |                |                |                |             |
|        | L              |       | 19    |                |                |                |                |             |
|        | M <sub>1</sub> |       | 33-34 |                | 21             |                | 6              |             |
|        | M <sub>2</sub> |       | 45-46 | 12             |                | 5              |                |             |
|        | F              | 20,1  |       |                |                |                |                |             |



## JOURNAL SEISMOLOGIQUE

1er: 1 toute la journée; 2: 1 jusqu'à 16h,2 de 16h à 19h,  
1 ensuite; 3-4: 1 toute la journée; 5: 1 jusqu'à 19h,2 de 19h à  
22h,1 ensuite; 6: 1 jusqu'à 5h,2 de 5h à 7h, 1 ensuite; 7: 1  
jusqu'à 16h, 2 de 16h à 19h,1 ensuite; du 8 au 20: 1 toute la journée  
21-22: 1 toute la journée; 23: 1 jusqu'à 9h,2 de 9h à 11h,  
1 de 11h à 16h,2 de 16h à 19h, 1 ensuite. 24-31: 1 toute la journée.  
Caractéristique moyenne du mois: 1,02.

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