

K A L O C S A

BULLETIN SÉISMIOUE - ANNÉE 1948.

Instrument: Pendule Wiechert horizontal  
/masse 200 kg/

Latitude: 46 31' 43"

Longitude: 18 58' 35"

Altitude: 98 m

Sous-sol: Sédiment friable  
alluvial.

|                | V  | T <sub>0</sub> | ξ:1 | $\frac{r}{T_0^2}$ |
|----------------|----|----------------|-----|-------------------|
| A <sub>N</sub> | 58 | 2,7            | 6,2 | 0,0206            |
| A <sub>E</sub> | 59 | 2,7            | 6,0 | 0,0178            |

Janvier

| Date | Phase | Heure        |    |    | Période | Amplitude      |                | △  | Remarques |
|------|-------|--------------|----|----|---------|----------------|----------------|----|-----------|
|      |       | de Greenwich |    |    |         | A <sub>N</sub> | A <sub>E</sub> |    |           |
|      |       | h            | m  | s  | s       | μ              | μ              | km |           |
| 17.  | e     | 2            | 29 | 9  |         |                |                |    |           |
| N-S  | F     |              | 39 |    |         |                |                |    |           |
| E-W  | e     | 2            | 29 | 29 |         |                |                |    |           |
|      | e     |              | 30 | 4  |         |                |                |    |           |
|      | e     |              |    | 8  |         |                |                |    |           |
|      | e     |              |    | 21 |         |                |                |    |           |
|      | F     |              | 38 |    |         |                |                |    |           |
| 22.  | e     | 14           | 15 | 6  |         |                |                |    |           |
|      | e     |              |    | 58 |         |                |                |    |           |
|      | F     |              | 40 |    |         |                |                |    |           |
| E-W  | e     | 14           | 14 | 40 |         |                |                |    |           |
|      | e     |              | 16 | 4  |         |                |                |    |           |
|      | e     |              |    | 32 |         |                |                |    |           |
|      | F     |              | 40 |    |         |                |                |    |           |
| 24.  | eP    | 17           | 59 | 58 |         |                |                |    |           |
| N-S  | e     | 18           | 4  | 18 |         |                |                |    |           |
|      | eL    |              | 23 |    |         |                |                |    |           |
|      | M     |              | 39 | 4  | 22      |                |                |    |           |
|      | M     |              | 44 | 20 | 19      |                |                |    |           |
|      | M     |              |    | 51 | 19      |                |                |    |           |
|      | F     | 19           | 25 |    |         |                |                |    |           |
| E-W  | eP    | 17           | 59 | 58 |         |                |                |    |           |
|      | e     | 18           | 3  | 18 |         |                |                |    |           |
|      | e     |              | 4  | 8  |         |                |                |    |           |
|      | e     |              |    | 32 |         |                |                |    |           |
|      | e     |              | 5  | 7  |         |                |                |    |           |

| Date       | Phase | Heure<br>de Greenwich |      |    | Période<br>s | Amplitude           |                     | △<br>km                              | Remarques |
|------------|-------|-----------------------|------|----|--------------|---------------------|---------------------|--------------------------------------|-----------|
|            |       | h                     | m    | s  |              | A <sub>N</sub><br>μ | A <sub>E</sub><br>μ |                                      |           |
| 24.<br>E-W | S?    |                       | 10   | 27 |              |                     |                     |                                      |           |
|            | eL    |                       |      |    |              |                     |                     |                                      |           |
|            | M     |                       | 45   | 30 | 19           |                     |                     |                                      |           |
|            | M     |                       | 46   | 33 | 20           |                     |                     |                                      |           |
|            | M     |                       | 48   | 25 | 17           |                     |                     |                                      |           |
|            | F     | 19                    | 30   |    |              |                     |                     |                                      |           |
| 26.<br>E-W |       | 14                    | 24,5 |    |              |                     |                     | La comp. N-S<br>a rien signa-<br>lé. |           |
|            | eL    | 15                    | 7,5  |    |              |                     |                     |                                      |           |
|            | F     |                       | 20   |    |              |                     |                     |                                      |           |
| 27.<br>N-S | P     | 12                    | 17   | 16 |              |                     |                     |                                      |           |
|            | i     |                       |      | 26 | 2,5          | 8                   |                     |                                      |           |
|            | F     |                       | 40   |    |              |                     |                     |                                      |           |
| E-W        | P     | 12                    | 17   | 16 |              |                     |                     |                                      |           |
|            | i     |                       |      | 42 |              |                     |                     |                                      |           |
|            | i     |                       | 20   | 13 |              |                     |                     |                                      |           |
|            | eL    |                       | 36   |    |              |                     |                     |                                      |           |
|            | F     |                       | 45   |    |              |                     |                     |                                      |           |
| 28.<br>N-S | P     | 15                    | 58   | 38 |              |                     |                     |                                      |           |
|            | i     | 16                    | 0    | 30 |              |                     |                     |                                      |           |
|            | eS    |                       | 4    | 19 |              |                     |                     |                                      |           |
|            | eL    |                       | 17,5 |    |              |                     |                     |                                      |           |
|            | F     |                       | 35   |    |              |                     |                     |                                      |           |
| E-W        | P     | 15                    | 58   | 37 |              |                     |                     |                                      |           |
|            | i     | 16                    | 1    | 24 |              |                     |                     |                                      |           |
|            | eS    |                       | 4    | 24 |              |                     |                     |                                      |           |
|            | eL    |                       | 17,5 |    |              |                     |                     |                                      |           |
|            | F     |                       | 30   |    |              |                     |                     |                                      |           |

K A L O C S A. (Hungary)

BULLETIN SÉISMIOUE - ANNÉE 1948.

Instrument: Pendule Wiechert horizontal  
/masse 200 kg./

Latitude: 46° 31' 43''

Longitude: 19° 58' 35''

Altitude: 98 m

Sous-sol: Sédiment friable  
alluvial.

| V                 | T <sub>0</sub> | Q:1 | $\frac{r}{T_0^2}$ |
|-------------------|----------------|-----|-------------------|
| A <sub>N</sub> 58 | 2,7            | 5,9 | 0,0261            |
| A <sub>E</sub> 58 | 2,7            | 5,4 | 0,0206            |

Février

| Date    | Phase | Heure        |      |    | Période | Amplitude      |                | △    | Remarques |
|---------|-------|--------------|------|----|---------|----------------|----------------|------|-----------|
|         |       | de Greenwich |      |    |         | A <sub>N</sub> | A <sub>E</sub> |      |           |
|         |       | h            | m    | s  | s       | μ              | μ              | km   |           |
| Feb. 9. | P     | 13           | 1    | 21 |         |                |                | 1470 |           |
| N-S     | i     |              | 1    | 58 |         |                |                |      |           |
|         | m     |              | 2    | 24 | 3       |                |                |      |           |
|         | S     |              | 3    | 55 |         |                |                |      |           |
|         | L     |              | 5    | 18 |         |                |                |      |           |
|         | M     |              | 6    | 12 | 5       | 95             |                |      |           |
|         | M     |              |      | 36 | 5       | 143            |                |      |           |
|         | M     |              | 8    | 41 | 8       | 527            |                |      |           |
|         | F     |              | 55   |    |         |                |                |      |           |
| E-W     | P     | 13           | 1    | 21 |         |                |                |      |           |
|         | S     |              | 3    | 58 |         |                |                |      |           |
|         | i     |              | 4    | 14 |         |                |                |      |           |
|         | L     |              | 5,5  |    |         |                |                |      |           |
|         | M     |              | 5    | 38 | 6       |                | 222            |      |           |
|         | M     |              | 6    | 18 | 9       |                | 1100           |      |           |
|         | M     |              |      | 36 | 5       |                | 250            |      |           |
|         | M     |              | 7    | 5  | 8       |                | 642            |      |           |
|         | M     |              | 8    | 24 | 8       |                | 611            |      |           |
|         | F     |              | 55   |    |         |                |                |      |           |
| 12.     | e     | 22           | 30   | 15 |         |                |                |      |           |
| N-S     | e     |              | 31   | 42 |         |                |                |      |           |
|         | eL    |              | 35   |    |         |                |                |      |           |
|         | F     |              | 45   |    |         |                |                |      |           |
| E-W     | e     | 22           | 30   | 12 |         |                |                |      |           |
|         | eL    |              | 34,5 |    |         |                |                |      |           |
|         | F     |              | 50   |    |         |                |                |      |           |

| Date       | Phase | Heure<br>de Greenwich |      |    | Période<br>s | Amplitude           |                     | △<br>km | Remarques |
|------------|-------|-----------------------|------|----|--------------|---------------------|---------------------|---------|-----------|
|            |       | h                     | m    | s  |              | A <sub>N</sub><br>μ | A <sub>E</sub><br>μ |         |           |
| 13.<br>N-S | e     | 5                     | 5    | 13 |              |                     |                     |         |           |
|            | e     |                       | 9    | 8  |              |                     |                     |         |           |
|            | eL    |                       | 24,5 |    |              |                     |                     |         |           |
|            | F     |                       | 40   |    |              |                     |                     |         |           |
| E-W        | o     | 5                     | 5    | 18 |              |                     |                     |         |           |
|            | e     |                       | 7    | 31 |              |                     |                     |         |           |
|            | eL    |                       | 25   |    |              |                     |                     |         |           |
|            | F     |                       | 40   |    |              |                     |                     |         |           |
| 18.<br>N-S | P     | 20                    | 37   | 1  |              |                     |                     |         |           |
|            | e     |                       |      | 58 |              |                     |                     |         |           |
|            | e     |                       | 38   | 55 |              |                     |                     |         |           |
|            | e     |                       | 39   | 55 |              |                     |                     |         |           |
|            | eL    |                       | 47,5 |    |              |                     |                     |         |           |
|            | M     |                       | 51   | 42 | 5            | 30                  |                     |         |           |
| E-W        | F     | 21                    | 15   |    |              |                     |                     |         |           |
|            | eP    | 20                    | 37   | 1  |              |                     |                     |         |           |
|            | e     |                       |      | 30 |              |                     |                     |         |           |
|            | e     |                       | 38   | 54 |              |                     |                     |         |           |
|            | eL    |                       | 47,5 |    |              |                     |                     |         |           |
|            | M     |                       | 49   | 1  | 6            |                     | 111                 |         |           |
|            | M     |                       | 50   | 12 | 6            |                     | 76                  |         |           |
| E-W        | M     |                       | 52   | 24 | 6            |                     | 73                  |         |           |
|            | F     | 21                    | 15   |    |              |                     |                     |         |           |
|            |       |                       |      |    |              |                     |                     |         |           |
| 22.<br>N-S | P     | 1                     | 50   | 28 |              |                     |                     |         |           |
|            | F     |                       | 52   |    |              |                     |                     |         |           |
| E-W        | P     | 1                     | 50   | 28 |              |                     |                     |         |           |
|            | F     |                       | 52   |    |              |                     |                     |         |           |

- 5 -  
K A L O C S A.

BULLETIN SÉISMIQUE - ANNÉE 1948.

Instrument: Pendule Wiechert horizontal  
/masse 200 kg./

|   |                |                |     |                   |        |
|---|----------------|----------------|-----|-------------------|--------|
| Latitude: 46° 31' 43''                  | V              | T <sub>0</sub> | 6,1 | $\frac{r}{T_0^2}$ |        |
| Longitude: 18° 58' 35''                 | <hr/>          |                |     |                   |        |
| Altitude: 98 m                          | A <sub>N</sub> | 56             | 2,7 | 6,1               | 0,0192 |
| Sous-sol: Sédiment friable<br>alluvial. | A <sub>E</sub> | 58             | 2,7 | 5,5               | 0,0178 |

Mars

| Date      | Phase | Heure        |      |    | Période | Amplitude      |                | △  | Remarques |
|-----------|-------|--------------|------|----|---------|----------------|----------------|----|-----------|
|           |       | de Greenwich |      |    |         | A <sub>N</sub> | A <sub>E</sub> |    |           |
|           |       | h            | m    | s  | s       | μ              | μ              | km |           |
| 1.<br>N-S | e     | 1            | 26   | 52 |         |                |                |    |           |
|           | e     |              | 38   | 28 |         |                |                |    |           |
|           | F     | 2            | 0    |    |         |                |                |    |           |
| E-W       | e     | 1            | 26   | 39 |         |                |                |    |           |
|           | e     |              | 37   | 13 |         |                |                |    |           |
|           | eL    |              | 54   |    |         |                |                |    |           |
|           | F     | 2            | 5    |    |         |                |                |    |           |
| 3.<br>N-S | P     | 9            | 22   | 26 |         |                |                |    |           |
|           | e     |              | 24   | 5  |         |                |                |    |           |
|           | eS    |              | 32   |    |         |                |                |    |           |
|           | eL    |              | 55   |    |         |                |                |    |           |
|           | F     | 10           | 15   |    |         |                |                |    |           |
| E-W       | P     | 9            | 22   | 25 |         |                |                |    |           |
|           | i     |              | 23   | 0  |         |                |                |    |           |
|           | e     |              | 24   | 5  |         |                |                |    |           |
|           | eS    |              | 32   | 44 |         |                |                |    |           |
|           | e     |              | 33   | 26 |         |                |                |    |           |
|           | eL    |              | 54,5 |    |         |                |                |    |           |
|           | F     | 11           | 20   |    |         |                |                |    |           |
| 6.<br>N-S | e     | 20           | 16   | 01 |         |                |                |    |           |
|           | eL    |              | 21,5 |    |         |                |                |    |           |
|           | F     |              | 30   |    |         |                |                |    |           |
| E-W       | e     | 20           | 16   | 01 |         |                |                |    |           |
|           | eL    |              | 21,5 |    |         |                |                |    |           |
|           | F     |              | 25   |    |         |                |                |    |           |

| Date       | Phase                      | Heure<br>de Greenwich |    |                                  | Période<br>s | Amplitude           |                     | △<br>km | Remarques |
|------------|----------------------------|-----------------------|----|----------------------------------|--------------|---------------------|---------------------|---------|-----------|
|            |                            | h                     | m  | s                                |              | A <sub>N</sub><br>μ | A <sub>E</sub><br>μ |         |           |
| 8.         | P<br>F                     | 11                    | 18 | 27<br>22                         |              |                     |                     |         |           |
| E-W        | P<br>F                     | 11                    | 18 | 26<br>22                         |              |                     |                     |         |           |
| 13.<br>N-S | eP<br>e<br>e<br>e<br>F     | 20                    | 16 | 27<br>42<br>28<br>13<br>40       |              |                     |                     |         |           |
| E-W        | eP<br>e<br>e<br>F          | 20                    | 16 | 25<br>40<br>30<br>45             |              |                     |                     |         |           |
| N-S        | e<br>e<br>e<br>F           | 21                    | 07 | 25<br>15<br>4<br>15              |              |                     |                     |         |           |
| E-W        | e<br>e<br>e<br>F           | 21                    | 08 | 12<br>37<br>01<br>15             |              |                     |                     |         |           |
| 26.        | P<br>e<br>i<br>L<br>M<br>F | 3                     | 03 | 41<br>02<br>36<br>31<br>36<br>15 | 3            | 22                  |                     |         |           |
| E-W        | o<br>e<br>L<br>M<br>F      | 3                     | 03 | 43<br>27<br>31<br>34<br>18       | 3            | ...                 | 21                  |         |           |
| 29.        | e<br>e<br>eL<br>F          | 10                    | 25 | 39<br>34<br>30<br>45             |              |                     |                     |         |           |
| E-W        | e<br>e<br>eL<br>F          | 10                    | 25 | 58<br>16<br>30<br>45             |              |                     |                     |         |           |

| Date       | Phase | H e u r e<br>de Greenwich |    |    | Période<br>s | A m p l i t u d e   |                     | △<br>km | Remarques |
|------------|-------|---------------------------|----|----|--------------|---------------------|---------------------|---------|-----------|
|            |       | h                         | m  | s  |              | A <sub>N</sub><br>μ | A <sub>E</sub><br>μ |         |           |
| 29.<br>N-S | P     | 12                        | 10 | 30 |              |                     |                     |         |           |
|            | C     |                           |    | 41 |              |                     |                     |         |           |
|            | F     |                           | 20 | 55 |              |                     |                     |         |           |
| E-W        | P     | 12                        | 10 | 30 |              |                     |                     |         |           |
|            | C     |                           | 11 | 40 |              |                     |                     |         |           |
|            | F     |                           | 20 |    |              |                     |                     |         |           |

K A L O C S A.

BULLETIN SÉISMIQUE - ANNÉE 1948.

Latitude: 46°31' 43''

Longitude: 18°58' 35''

Altitude: 98 m

Sous-sol: Sédiment friable  
alluvial.

| V                 | T <sub>0</sub> | ε:1 | $\frac{r}{T_0^2}$ |
|-------------------|----------------|-----|-------------------|
| A <sub>N</sub> 56 | 2,74           | 5,4 | 0,0186            |
| A <sub>E</sub> 57 | 2,74           | 5,2 | 0,016             |

Avril.

| Date | Phase   | Heure<br>de Greenwich |      |    | Période<br>s | Amplitude           |                     |         | Remarques |
|------|---------|-----------------------|------|----|--------------|---------------------|---------------------|---------|-----------|
|      |         | h                     | m    | s  |              | A <sub>N</sub><br>μ | A <sub>E</sub><br>μ | △<br>km |           |
| 17.  | P       | 16                    | 23   | 55 |              |                     |                     | 9170    |           |
|      | N-S ePP |                       | 27   | 8  |              |                     |                     |         |           |
|      | e       |                       | 31   | 3  |              |                     |                     |         |           |
|      | S       |                       | 34   | 14 |              |                     |                     |         |           |
|      | e       |                       | 35   | 2  |              |                     |                     |         |           |
|      | eL      |                       | 54   |    |              |                     |                     |         |           |
|      | M       |                       | 59   |    | 18           |                     |                     |         |           |
|      | M       | 17                    | 2    |    | 16           |                     |                     |         |           |
| E-W  | M       |                       | 5    |    | 15           |                     |                     |         |           |
|      | F       |                       | 30   |    |              |                     |                     |         |           |
|      | P       | 16                    | 23   | 56 |              |                     |                     |         |           |
|      | ePP     |                       | 27   | 21 |              |                     |                     |         |           |
|      | e       |                       | 31   | 16 |              |                     |                     |         |           |
|      | S       |                       | 34   | 14 |              |                     |                     |         |           |
|      | e       |                       |      | 40 |              |                     |                     |         |           |
|      | eL      |                       | 54,5 |    |              |                     |                     |         |           |
| 21.  | M       | 17                    | 0    | 27 | 16           |                     |                     |         |           |
|      | M       |                       | 4    |    | 16           |                     |                     |         |           |
|      | M       |                       | 5    |    | 13           | 185                 |                     |         |           |
|      | F       |                       | 30   |    |              |                     |                     |         |           |
|      | N-S cP  | 20                    | 33   | 57 |              |                     |                     |         |           |
|      | e       |                       | 35   | 13 |              |                     |                     |         |           |
|      | e       |                       |      | 38 |              |                     |                     |         |           |
|      | e       |                       | 37   | 29 |              |                     |                     |         |           |
| E-W  | eL      |                       | 57,5 |    |              |                     |                     |         |           |
|      | F       | 21                    | 25   |    |              |                     |                     |         |           |
|      | eP      | 20                    | 33   | 55 |              |                     |                     |         |           |
|      | e       |                       | 35   | 16 |              |                     |                     |         |           |
|      | eS      |                       | 43   | 30 |              |                     |                     |         |           |
|      | eL      |                       | 59,5 |    |              |                     |                     |         |           |
|      | F       | 21                    | 25   |    |              |                     |                     |         |           |



| Date       | Phase   | H e u r e    |    |  | Période | A m p l i t u d e |                | △   | Remarques |
|------------|---|--------------|----|--|---------|-------------------|----------------|-----|-----------|
|            |   | de Greenwich |    |  |         | A <sub>N</sub>    | A <sub>E</sub> |     |           |
|            |   | h            | m  | s  | s       | μ                 | μ              | km  |           |
| 22.        | e<br>F  | 0            | 40 | 35<br>48   |         |                   |                |     |           |
| E-W        | e<br>F  | 0            | 40 | 34<br>50   |         |                   |                |     |           |
| 22.<br>N-S | P<br>PP<br>i<br>iS<br>L<br>M<br>M<br>M<br>M<br>M<br>F | 10           | 44 | 46<br>45<br>38<br>46<br>10<br>34<br>48<br>24<br>49<br>51<br>51,5<br>25   |         |                   |                | 770 |           |
|            |   |              |    |  | 3       | 45                |                |     |           |
|            |   |              |    |  | 3       | 83                |                |     |           |
|            |   |              |    |  | 3       | 102               |                |     |           |
|            |   |              |    |  | 4       | 206               |                |     |           |
|            |   |              |    |  | 4       | 195               |                |     |           |
|            |   |              |    |  | 6       | 190               |                |     |           |
| E-W        | e<br>e<br>e<br>S<br>L<br>M<br>M<br>M<br>M<br>M<br>F   | 10           | 44 | 51<br>21<br>34<br>46<br>12<br>45<br>48<br>48,5<br>49<br>51<br>51,5<br>30 |         |                   |                |     |           |
|            |   |              |    |  | 5       | 286               |                |     |           |
|            |   |              |    |  | 5       | 377               |                |     |           |
|            |   |              |    |  | 4       | 240               |                |     |           |
|            |   |              |    |  | 5       | 238               |                |     |           |
|            |   |              |    |  | 5       | 121               |                |     |           |
| 22.<br>N-S | e<br>F  | 15           | 37 | 38<br>45   |         |                   |                |     | Réplique  |
| E-W        | e<br>F  | 15           | 37 | 34<br>45   |         |                   |                |     |           |
| 22.<br>N-S | e<br>F  | 16           | 0  | 28<br>5  |         |                   |                |     | "         |
| E-W        | e<br>F  | 16           | 0  | 34<br>5  |         |                   |                |     |           |
| 22.        | e<br>F  | 17           | 35 | 8  |         |                   |                |     | "         |
| 29.        | e<br>F  | 0            | 35 | 0<br>40  |         |                   |                |     |           |

K A L O C S A.

BULLETIN SEISMIOUE - ANNEE 1948.

Latitude: 46° 31' 43''

Longitude: 18° 58' 35''

Altitude: 98 m

Sous-sol: Sédiment friable alluvial.

Instrument: Pendule Wiechert horizontal /masse 200 kg/

|                | V  | T <sub>0</sub> | ζ : 1 | $\frac{r}{T_0^2}$ |
|----------------|----|----------------|-------|-------------------|
| A <sub>N</sub> | 58 | 2,7            | 6,1   | 0,0206            |
| A <sub>E</sub> | 58 | 2,72           | 6,0   | 0,0203            |

Mai

| Date | Phase | Heure de Greenwich |      |    | Période s | Amplitude        |                  | △ km | Remarques |
|------|-------|--------------------|------|----|-----------|------------------|------------------|------|-----------|
|      |       | h                  | m    | s  |           | A <sub>N</sub> μ | A <sub>E</sub> μ |      |           |
| 7.   | N-S   | 15                 | 0    | 3  |           |                  |                  |      |           |
|      |       |                    | 1    | 21 |           |                  |                  |      |           |
|      |       |                    | 2    |    |           |                  |                  |      |           |
|      |       |                    | 10   |    |           |                  |                  |      |           |
|      | E-W   | 15                 | 0    | 25 |           |                  |                  |      |           |
|      |       |                    | 1    | 21 |           |                  |                  |      |           |
|      |       |                    | 2    |    |           |                  |                  |      |           |
|      |       |                    | 10   |    |           |                  |                  |      |           |
| 9.   | N-S   | 2                  | 21   | 21 |           |                  |                  |      |           |
|      |       |                    | 52,5 |    |           |                  |                  |      |           |
|      |       | 3                  | 20   |    |           |                  |                  |      |           |
|      | E-W   | 2                  | 21   | 48 |           |                  |                  |      |           |
|      |       |                    | 33   | 22 |           |                  |                  |      |           |
|      |       |                    | 54   |    |           |                  |                  |      |           |
|      |       | 3                  | 15   |    |           |                  |                  |      |           |
| 11.  | N-S   | 9                  | 10   | 1  |           |                  |                  |      |           |
|      |       |                    | 30   |    |           |                  |                  |      |           |
|      | E-W   | 9                  | 10   | 10 |           |                  |                  |      |           |
|      |       |                    | 30   |    |           |                  |                  |      |           |
| 12.  | N-S   | 1                  | 9    | 22 |           |                  |                  |      |           |
|      |       |                    | 19   | 50 |           |                  |                  |      |           |

| Date | Phase | H e u r e    |      |    | Période | A m p l i t u d e |                | △    | Remarques |
|------|-------|--------------|------|----|---------|-------------------|----------------|------|-----------|
|      |       | de Greenwich |      |    |         | A <sub>N</sub>    | A <sub>E</sub> |      |           |
|      |       | h            | m    | s  | s       | μ                 | μ              | km   |           |
| N-S  | eL    |              | 42,5 |    |         |                   |                |      |           |
|      | F     | 2            | 15   |    |         |                   |                |      |           |
| E-W  | e     | 1            | 9    | 23 |         |                   |                |      |           |
|      | eL    |              | 42,5 |    |         |                   |                |      |           |
|      | F     | 2            | 10   |    |         |                   |                |      |           |
| 14.  |       |              |      |    |         |                   |                |      |           |
| N-S  | P     | 22           | 44   | 0  |         |                   |                | 8700 |           |
|      | PP    |              | 47   | 10 |         |                   |                |      |           |
|      | ePPP  |              | 49   | 4  |         |                   |                |      |           |
|      | S     |              | 53   | 56 |         |                   |                |      |           |
|      | PS    |              |      | 28 |         |                   |                |      |           |
|      | L     | 25           | 2,5  |    |         |                   |                |      |           |
|      | M     |              | 25   |    | 24      |                   |                |      |           |
|      | F     |              | 45   |    |         |                   |                |      |           |
| E-W  | eP    | 22           | 43   | 59 |         |                   |                |      |           |
|      | PP    |              | 47   | 11 |         |                   |                |      |           |
|      | PPP   |              | 48   | 59 |         |                   |                |      |           |
|      | eS    |              | 53   | 54 |         |                   |                |      |           |
|      | eSS   |              | 59   | 18 |         |                   |                |      |           |
|      | eL    | 23           | 5    |    |         |                   |                |      |           |
|      | M     |              | 24,5 |    | 21      |                   |                |      |           |
|      | F     |              | 45   |    |         |                   |                |      |           |
| 17.  |       |              |      |    |         |                   |                |      |           |
| N-S  | e     | 18           | 0    | 58 |         |                   |                |      |           |
|      | F     |              | 5    |    |         |                   |                |      |           |
| E-W  | e     | 18           | 0    | 56 |         |                   |                |      |           |
|      | F     |              | 8    |    |         |                   |                |      |           |
| 25.  |       |              |      |    |         |                   |                |      |           |
| N-S  | eP    | 7            | 22   | 4  |         |                   |                | 7300 |           |
|      | e     |              | 24   | 12 |         |                   |                |      |           |
|      | eS    |              | 30   | 52 |         |                   |                |      |           |
|      | ePS   |              | 31   | 10 |         |                   |                |      |           |
|      | eL    |              | 39,5 |    |         |                   |                |      |           |
|      | M     |              | 50,5 |    | 23      |                   |                |      |           |
|      | F     | 8            | 35   |    |         |                   |                |      |           |
| E-W  | eP    | 7            | 22   | 6  |         |                   |                |      |           |
|      | PP    |              | 24   | 53 |         |                   |                |      |           |
|      | eS    |              | 30   | 52 |         |                   |                |      |           |
|      | PS    |              | 31   | 0  |         |                   |                |      |           |
|      | eL    |              | 44,5 |    |         |                   |                |      |           |
|      | F     | 8            | 35   |    |         |                   |                |      |           |

| Date | Phase | H e u r e    |    |    | Période | A m p l i t u d e |                | △   | Remarques |
|------|-------|--------------|----|----|---------|-------------------|----------------|-----|-----------|
|      |       | de Greenwich |    |    |         | A <sub>N</sub>    | A <sub>E</sub> |     |           |
|      |       | h            | m  | s  | s       | μ                 | μ              | km  |           |
| 29.  |       |              |    |    |         |                   |                |     |           |
| N-S  | P     | 4            | 50 | 16 |         |                   |                | 820 |           |
|      | S/?/  |              | 51 | 45 |         |                   |                |     |           |
|      | L     |              | 52 |    |         |                   |                |     |           |
|      | M     |              |    | 18 | 3       | 22                |                |     |           |
|      | F     | 5            | 5  |    |         |                   |                |     |           |
| E-W  | P     | 4            | 50 | 16 |         |                   |                |     |           |
|      | e     |              |    | 55 |         |                   |                |     |           |
|      | S/?/  |              | 51 | 45 |         |                   |                |     |           |
|      | L     |              | 52 |    |         |                   |                |     |           |
|      | M     |              |    | 23 | 3       |                   | 32             |     |           |
|      | F     | 5            | 5  |    |         |                   |                |     |           |

K A L O C S A .

BULLETIN SEISMIOUE - ANNEE 1948.



Latitude: 46° 31' 43''

Instrument: Pendule Wiechert horizontal  
/masse 200 kg/

Longitude: 18° 58' 35''

Altitude: 98 m

Sous-sol: Sédiment friable  
alluvial.

|                | V  | T <sub>0</sub> | ε:1 | $\frac{r}{T_0^2}$ |
|----------------|----|----------------|-----|-------------------|
| A <sub>N</sub> | 57 | 2,72           | 6,0 | 0,0203            |
| A <sub>E</sub> | 58 | 2,72           | 5,8 | 0,0170            |

Juin

| Date | Phase | H e u r e    |      |    | Période | A m p l i t u d e |                |      | Remarques |
|------|-------|--------------|------|----|---------|-------------------|----------------|------|-----------|
|      |       | de Greenwich |      |    |         | A <sub>N</sub>    | A <sub>E</sub> | △ km |           |
|      |       | h            | m    | s  | s       | μ                 | km             |      |           |
| 15.  |       |              |      |    |         |                   |                |      |           |
| N-S  | e     | 11           | 57   | 19 |         |                   |                |      |           |
|      | eL    | 12           | 33,5 |    |         |                   |                |      |           |
|      | F     |              | 50   |    |         |                   |                |      |           |
| E-W  | e     | 11           | 57   | 20 |         |                   |                |      |           |
|      | eL    |              | 35,5 |    |         |                   |                |      |           |
|      | F     |              | 50   |    |         |                   |                |      |           |
| 17.  |       |              |      |    |         |                   |                |      |           |
| N-S  | e     | 6            | 55   | 45 |         |                   |                |      |           |
|      | e     |              | 58   | 7  |         |                   |                |      |           |
|      | e     |              |      | 30 |         |                   |                |      |           |
|      | F     | 7            | 5    |    |         |                   |                |      |           |
| E-W  | e     | 6            | 55   | 45 |         |                   |                |      |           |
|      | e     |              | 58   | 30 |         |                   |                |      |           |
|      | e     |              |      | 54 |         |                   |                |      |           |
|      | F     | 7            | 5    |    |         |                   |                |      |           |
| 18.  |       |              |      |    |         |                   |                |      |           |
| N-S  | e     | 18           | 51   | 9  |         |                   |                |      |           |
|      | e     |              | 52   | 54 |         |                   |                |      |           |
|      | F     | 19           | 5    |    |         |                   |                |      |           |
| E-W  | e     | 18           | 51   | 18 |         |                   |                |      |           |
|      | e     |              | 52   | 52 |         |                   |                |      |           |
|      | F     | 19           | 3    |    |         |                   |                |      |           |

| Date | Phase | Heure<br>de Greenwich |      |    | Période<br>s | Amplitude           |                     | △<br>km | Remarques |
|------|-------|-----------------------|------|----|--------------|---------------------|---------------------|---------|-----------|
|      |       | h                     | m    | s  |              | A <sub>N</sub><br>μ | A <sub>E</sub><br>μ |         |           |
| 28.  |       |                       |      |    |              |                     |                     |         |           |
| N-S  | eP    | 7                     | 25   | 47 |              |                     |                     | 9000    |           |
|      | ePP   |                       | 29   | 15 |              |                     |                     |         |           |
|      | eS    |                       | 35   | 58 |              |                     |                     |         |           |
|      | eL    |                       | 56   |    |              |                     |                     |         |           |
|      | M     |                       | 59   |    | 16           |                     |                     |         |           |
|      | M     | 8                     | 4,5  |    | 14           | 195                 |                     |         |           |
|      | F     |                       | 30   |    |              |                     |                     |         |           |
| E-W  | oP    | 7                     | 25   | 47 |              |                     |                     |         |           |
|      | PP    |                       | 29   | 19 |              |                     |                     |         |           |
|      | eS    |                       | 36   | 0  |              |                     |                     |         |           |
|      | eL    |                       | 55,5 |    |              |                     |                     |         |           |
|      | M     | 8                     | 4    |    | 15           |                     |                     |         |           |
|      | M     |                       | 5    |    | 12           |                     | 233                 |         |           |
|      | F     |                       | 30   |    |              |                     |                     |         |           |
| 29.  |       |                       |      |    |              |                     |                     |         |           |
| N-S  | P     | 10                    | 48   | 21 |              |                     |                     |         |           |
|      | e     |                       | 49   | 12 |              |                     |                     |         |           |
|      | F     |                       | 58   |    |              |                     |                     |         |           |
| E-W  | eP    | 10                    | 48   | 20 |              |                     |                     |         |           |
|      | e     |                       | 49   | 5  |              |                     |                     |         |           |
|      | e     |                       | 51   | 5  |              |                     |                     |         |           |
|      | F     | 11                    | 0    |    |              |                     |                     |         |           |
| 29.  |       |                       |      |    |              |                     |                     |         |           |
| N-S  | P     | 16                    | 11   | 6  |              |                     |                     | 2360    |           |
|      | i     |                       |      | 55 |              |                     |                     |         |           |
|      | S     |                       | 15   | 0  |              |                     |                     |         |           |
|      | F     |                       | 35   |    |              |                     |                     |         |           |
| E-W  | P     | 16                    | 11   | 6  |              |                     |                     |         |           |
|      | i     |                       | 12   | 1  |              |                     |                     |         |           |
|      | i     |                       |      | 17 |              |                     |                     |         |           |
|      | F     |                       | 35   |    |              |                     |                     |         |           |

K A L O C S A.

BULLETIN SEISMIQUE - ANNEE 1948.

Latitude: 46°31'43''

Longitude: 18°58'35''

Altitude: 98 m

Sous-sol: Sédiment friable alluvial.

Instrument: Pendule Wiechert horizontal /masse 200 kg/

|        | V  | T <sub>0</sub> | ξ:1 | $\frac{r}{T_0^2}$ |
|--------|----|----------------|-----|-------------------|
| A<br>N | 57 | 2,72           | 6,0 | 0,0203            |
| A<br>E | 58 | 2,72           | 5,8 | 0,0170            |

Juillet

| Date | Phase | H e u r e    |      |    | P é r i o d e | A m p l i t u d e |        |    | Remarques |
|------|-------|--------------|------|----|---------------|-------------------|--------|----|-----------|
|      |       | de Greenwich |      |    |               | A<br>N            | A<br>E | Δ  |           |
|      |       | h            | m    | s  | s             | μ                 | μ      | km |           |
| 5.   | e     | 14           | 0    | 51 |               |                   |        |    |           |
| N-S  | eL    |              | 15   |    |               |                   |        |    |           |
|      | F     |              | 30   |    |               |                   |        |    |           |
| E-W  | e     | 14           | 0    | 10 |               |                   |        |    |           |
|      | eL    |              | 15   |    |               |                   |        |    |           |
|      | F     |              | 30   |    |               |                   |        |    |           |
| 7.   | e     | 2            | 31   | 49 |               |                   |        |    |           |
| N-S  | eL    | 3            | 8,5  |    |               |                   |        |    |           |
|      | F     |              | 25   |    |               |                   |        |    |           |
| E-W  | e     | 2            | 32   | 10 |               |                   |        |    |           |
|      | eL    | 3            | 11,5 |    |               |                   |        |    |           |
|      | F     |              | 25   |    |               |                   |        |    |           |
| 19.  | e     | 18           | 14   | 40 |               |                   |        |    |           |
| N-S  | F     |              | 19   |    |               |                   |        |    |           |
| E-W  | e     | 18           | 14   | 42 |               |                   |        |    |           |
|      | F     |              | 19   |    |               |                   |        |    |           |
| 19.  | e     | 18           | 29   | 55 |               |                   |        |    |           |
| N-S  | F     |              | 34   |    |               |                   |        |    |           |
| E-W  | e     | 18           | 29   | 58 |               |                   |        |    |           |
|      | F     |              | 34   |    |               |                   |        |    |           |
| 24.  | P     | 6            | 6    | 26 |               |                   |        |    |           |
| N-S  | I     |              | 8    | 17 |               |                   |        |    |           |

| Date | Phase | H e u r e    |      |    |   | A m p l i t u d e |        |        | Remarques |
|------|-------|--------------|------|----|---|-------------------|--------|--------|-----------|
|      |       | de Greenwich |      |    |   | Période           | A<br>N | A<br>E |           |
|      |       | h            | m    | s  | s | μ                 | μ      | km     |           |
|      | i     |              | 9    | 17 |   |                   |        |        |           |
|      | i     |              |      | 41 |   |                   |        |        |           |
|      | L     |              | 10,5 |    |   |                   |        |        |           |
|      | M     |              | 12,5 |    | 7 | 210               |        |        |           |
|      | F     |              | 35   |    |   |                   |        |        |           |
| E-W  | P     | 6            | 6    | 26 |   |                   |        |        |           |
|      | i     |              | 7    | 35 |   |                   |        |        |           |
|      | i     |              | 8    | 17 |   |                   |        |        |           |
|      | i     |              | 9    | 41 |   |                   |        |        |           |
|      | L     |              | 10,5 |    |   |                   |        |        |           |
|      | M     |              | 10   | 58 | 6 |                   | 188    |        |           |
|      | M     |              | 11   | 35 | 6 |                   | 213    |        |           |
|      | M     |              | 12   | 7  | 6 |                   | 193    |        |           |
|      | F     |              | 35   |    |   |                   |        |        |           |
| 30.  | e     | 4            | 41   | 54 |   |                   |        |        |           |
| N-S  | e     |              | 43   | 4  |   |                   |        |        |           |
|      | F     |              | 48   |    |   |                   |        |        |           |
| E-W  | e     | 4            | 41   | 54 |   |                   |        |        |           |
|      | i     |              | 42   | 17 |   |                   |        |        |           |
|      | F     |              | 48   |    |   |                   |        |        |           |



KALOCSA.

BULLETIN SEISMIQUE - ANNEE 1948.

Latitude: 46°31'43"

Longitude: 18°58'35"

Altitude: 98 m

Sous-sol: Sédiment friable  
alluvial.

Instrument: Pendule Wiechert horizontal  
/masse 200 kg/

|        | V  | T <sub>0</sub> | ε:1 | $\frac{r}{T_0}$ |
|--------|----|----------------|-----|-----------------|
| A<br>N | 55 | 2,72           | 6,4 | 0,0189          |
| A<br>E | 59 | 2,74           | 5,7 | 0,0160          |

Août

| Date       | Phase | Heure<br>de Greenwich |      |    | Période<br>s | Amplitude   |             |         | Remarques |
|------------|-------|-----------------------|------|----|--------------|-------------|-------------|---------|-----------|
|            |       | h                     | m    | s  |              | A<br>N<br>μ | A<br>E<br>μ | Δ<br>km |           |
| 7.<br>N-S  | iP    | 7                     | 7    | 6  |              |             |             |         |           |
|            | i     |                       |      | 8  |              |             |             |         |           |
|            | i     |                       |      | 11 |              |             |             |         |           |
|            | i     |                       |      | 18 |              |             |             |         |           |
|            | i     |                       |      | 22 |              |             |             |         |           |
|            | F     |                       | 10   |    |              |             |             |         |           |
| E-W        | iP    | 7                     | 7    | 6  |              |             |             |         |           |
|            | i     |                       |      | 8  |              |             |             |         |           |
|            | e     |                       |      | 12 |              |             |             |         |           |
|            | i     |                       |      | 18 |              |             |             |         |           |
|            | i     |                       |      | 21 |              |             |             |         |           |
|            | e     |                       |      | 26 |              |             |             |         |           |
|            | F     |                       | 10,5 |    |              |             |             |         |           |
| 7.<br>N-S  | eP    | 14                    | 53   | 16 |              |             |             |         |           |
|            | eL    | 15                    | 32,5 |    |              |             |             |         |           |
|            | F     |                       | 45   |    |              |             |             |         |           |
| E-W        | e     | 14                    | 53   | 24 |              |             |             |         |           |
|            | e     |                       | 57   | 11 |              |             |             |         |           |
|            | eL    | 15                    | 29   |    |              |             |             |         |           |
|            | F     |                       | 45   |    |              |             |             |         |           |
| 10.<br>N-S | e     | 13                    | 33   | 10 |              |             |             |         |           |
|            | i     |                       |      | 22 |              |             |             |         |           |
|            | e     |                       |      | 34 |              |             |             |         |           |
|            | e     |                       |      | 54 |              |             |             |         |           |
|            | i     |                       | 34   | 14 |              |             |             |         |           |
|            | F     |                       | 45   |    |              |             |             |         |           |

| Date       | Phase | H e u r e<br>de Greenwich |    |    | Période | A m p l i t u d e |        |   | Remarques |
|------------|-------|---------------------------|----|----|---------|-------------------|--------|---|-----------|
|            |       | h                         | m  | s  |         | A<br>N            | A<br>E | Δ |           |
| E-W        | e     | 13                        | 33 | 16 |         |                   |        |   |           |
|            | i     |                           |    | 23 |         |                   |        |   |           |
|            | e     |                           |    | 36 |         |                   |        |   |           |
|            | i     |                           | 34 | 15 |         |                   |        |   |           |
|            | i     |                           |    | 24 |         |                   |        |   |           |
|            | F     |                           | 45 |    |         |                   |        |   |           |
| 18.<br>N-S | P     | 21                        | 14 | 11 |         |                   |        |   |           |
|            | P*    |                           |    | 32 |         |                   |        |   | 630       |
|            | P     |                           |    | 40 |         |                   |        |   |           |
|            | i     |                           |    | 55 |         |                   |        |   |           |
|            | S     |                           | 15 | 20 |         |                   |        |   |           |
|            | L     |                           |    | 29 |         |                   |        |   |           |
|            | M     |                           | 16 | 0  | 3       | 55                |        |   |           |
|            | M     |                           |    | 7  | 3       | 40                |        |   |           |
|            | M     |                           |    | 18 | 3       | 34                |        |   |           |
|            | M     |                           | 17 | 3  | 3       | 44                |        |   |           |
|            | F     |                           | 30 |    |         |                   |        |   |           |
| E-W        | e     | 21                        | 14 | 15 |         |                   |        |   |           |
|            | P*    |                           |    | 32 |         |                   |        |   |           |
|            | e     |                           | 15 | 16 |         |                   |        |   |           |
|            | S     |                           |    | 20 |         |                   |        |   |           |
|            | L     |                           |    | 31 |         |                   |        |   |           |
|            | M     |                           |    | 54 | 3       |                   |        |   |           |
|            | M     |                           | 16 | 13 | 3       |                   | 38     |   |           |
|            | F     |                           | 30 |    |         |                   | 45     |   |           |
| 21.<br>N-S | e     | 8                         | 46 | 48 |         |                   |        |   |           |
|            | e     |                           | 47 | 42 |         |                   |        |   |           |
|            | S     |                           |    | 55 |         |                   |        |   |           |
|            | L     |                           | 48 | 7  |         |                   |        |   |           |
|            | M     |                           |    | 19 | 3       | 35                |        |   |           |
|            | M     |                           | 49 | 20 | 3       | 28                |        |   |           |
|            | F     |                           | 58 |    |         |                   |        |   |           |
| E-W        | e     | 8                         | 46 | 48 |         |                   |        |   |           |
|            | e     |                           | 47 | 5  |         |                   |        |   |           |
|            | S     |                           |    | 50 |         |                   |        |   |           |
|            | e     |                           |    | 58 |         |                   |        |   |           |
|            | L     |                           | 48 | 2  |         |                   |        |   |           |
|            | M     |                           |    | 22 | 3       |                   |        |   |           |
|            | F     |                           | 58 |    |         |                   | 25     |   |           |

| Date       | Phase          | H e u r e<br>de Greenwich |    |    | Période<br>s | A m p l i t u d e |             | △<br>km | Remarques |
|------------|----------------|---------------------------|----|----|--------------|-------------------|-------------|---------|-----------|
|            |                | h                         | m  | s  |              | A<br>N<br>μ       | A<br>E<br>μ |         |           |
| 22.<br>N-S | eP             | 23                        | 18 | 15 |              |                   |             |         |           |
|            | e              |                           | 19 | 5  |              |                   |             |         |           |
|            | e              |                           |    | 17 |              |                   |             |         |           |
|            | S              |                           |    | 20 |              |                   |             |         |           |
|            | L              |                           |    | 31 |              |                   |             |         |           |
|            | M              |                           |    | 54 | 3            | 32                |             |         |           |
|            | M              |                           | 20 | 54 | 3            |                   |             |         |           |
| E-W        | F              |                           | 33 |    |              | 28                |             |         |           |
|            | e              | 23                        | 18 | 19 |              |                   |             |         |           |
|            | S              |                           | 19 | 19 |              |                   |             |         |           |
|            | e              |                           |    | 27 |              |                   |             |         |           |
|            | L              |                           |    | 33 |              |                   |             |         |           |
|            | M              |                           |    | 51 | 3            |                   |             |         |           |
| 27.<br>N-S | M              | 20                        | 25 |    | 3            |                   | 27          |         |           |
|            | F              |                           | 33 |    | 3            |                   | 30          |         |           |
|            | P              | 10                        | 45 | 23 |              |                   |             |         |           |
|            | P <sup>x</sup> |                           |    | 30 |              |                   |             |         | 460       |
|            | P              |                           |    | 36 |              |                   |             |         |           |
|            | i              |                           |    | 39 |              |                   |             |         |           |
|            | e              |                           |    | 55 |              |                   |             |         |           |
|            | i              |                           |    | 58 |              |                   |             |         |           |
|            | i              | 46                        | 11 |    |              |                   |             |         |           |
|            | S              |                           | 16 |    |              |                   |             |         |           |
|            | i              |                           | 20 |    |              |                   |             |         |           |
| E-W        | L              |                           | 24 |    |              |                   |             |         |           |
|            | M              | 47                        | 8  |    | 3            | 86                |             |         |           |
|            | M              |                           | 11 |    | 3            | 81                |             |         |           |
|            | M              |                           | 33 |    | 2            | 31                |             |         |           |
|            | M              |                           | 40 |    | 3            | 42                |             |         |           |
|            | M              | 48                        | 0  |    | 3            | 67                |             |         |           |
|            | F              | 11                        | 8  |    |              |                   |             |         |           |
|            | eP             | 10                        | 45 | 24 |              |                   |             |         |           |
|            | P <sup>x</sup> |                           |    | 32 |              |                   |             |         |           |
|            | i              |                           |    | 56 |              |                   |             |         |           |
| i          |                |                           | 59 |    |              |                   |             |         |           |
| i          | 46             | 11                        |    |    |              |                   |             |         |           |
| S          |                | 16                        |    |    |              |                   |             |         |           |
| i          |                | 19                        |    |    |              |                   |             |         |           |
| L          |                | 25                        |    |    |              |                   |             |         |           |
| E-W        | M              |                           | 55 |    | 3            |                   |             |         |           |
|            | M              | 47                        | 8  |    | 3            |                   | 88          |         |           |
|            | M              |                           | 17 |    | 3            |                   | 64          |         |           |
|            | M              |                           | 30 |    | 3            |                   | 61          |         |           |
|            | M              | 48                        | 26 |    | 3            |                   | 63          |         |           |
|            | F              | 11                        | 10 |    | 3            |                   | 63          |         |           |

| Date       | Phase   | H e u r e<br>de Greenwich |    |    | Période<br>s | A m p l i t u d e |                 |                | Remarques |
|------------|---------|---------------------------|----|----|--------------|-------------------|-----------------|----------------|-----------|
|            |         | h                         | m  | s  |              | A<br>N<br>$\mu$   | A<br>E<br>$\mu$ | $\Delta$<br>km |           |
| 27.        | e       | 11                        | 25 | 34 |              |                   |                 |                |           |
|            | e       |                           | 26 | 24 |              |                   |                 |                |           |
|            | e       |                           |    | 28 |              |                   |                 |                |           |
|            | e       |                           |    | 32 |              |                   |                 |                |           |
|            | eL<br>F |                           | 27 | 3  |              |                   |                 |                |           |
| E-W        | e       | 11                        | 25 | 46 |              |                   |                 |                |           |
|            | c       |                           | 26 | 28 |              |                   |                 |                |           |
|            | eL      |                           | 27 | 3  |              |                   |                 |                |           |
|            | F       |                           | 35 |    |              |                   |                 |                |           |
| 29.<br>N-S | P       | 17                        | 57 | 37 |              |                   |                 |                | Traces    |
|            | e<br>F  |                           | 58 | 28 |              |                   |                 |                |           |
| E-W        |         |                           | 18 | 10 |              |                   |                 |                |           |
|            | e       | 17                        | 57 | 44 |              |                   |                 |                |           |
|            | e       |                           | 58 | 9  |              |                   |                 |                |           |
|            | e<br>F  |                           |    | 58 |              |                   |                 |                |           |
|            | F       | 18                        | 10 |    |              |                   |                 |                |           |

KALOCSA.

BULLETIN SÉISMIQUE - ANNÉE 1948.

Latitude: 46° 31' 43''

Longitude: 18° 58' 35''

Altitude: 98 m

Sous-sol: Sédiment friable  
alluvial.

Instrument: Pendule Wiechert horizontal  
/masse 200 kg/

|        | V  | T <sub>0</sub> | ε:1 | $\frac{F}{T_0^2}$ |
|--------|----|----------------|-----|-------------------|
| A<br>N | 56 | 2,74           | 6,2 | 0,0186            |
| A<br>E | 58 | 2,74           | 5,8 | 0,0186            |

Septembre

| Date | Phase | Heure<br>de Greenwich |      |    | Période<br>s | Amplitude   |             | Δ<br>km | Remarques |
|------|-------|-----------------------|------|----|--------------|-------------|-------------|---------|-----------|
|      |       | h                     | m    | s  |              | A<br>N<br>μ | A<br>E<br>μ |         |           |
| 2-3. | o     | 23                    | 48   | 13 |              |             |             |         |           |
| N-S  | F     | 0                     | 10   |    |              |             |             |         |           |
| E-W  | oP    | 23                    | 48   | 12 |              |             |             |         |           |
|      | eS    |                       | 59   | 29 |              |             |             |         |           |
|      | F     | 0                     | 15   |    |              |             |             |         |           |
| 7.   | e     | 8                     | 22   | 37 |              |             |             |         |           |
| N-S  | e     |                       | 24   | 9  |              |             |             |         |           |
|      | F     |                       | 40   |    |              |             |             |         |           |
| E-W  | o     | 8                     | 22   | 38 |              |             |             |         |           |
|      | o     |                       | 24   | 16 |              |             |             |         |           |
|      | e     |                       | 25   | 31 |              |             |             |         |           |
|      | o     |                       | 28   | 11 |              |             |             |         |           |
|      | F     |                       | 36   |    |              |             |             |         |           |
| 8.   | P     | 15                    | 29   | 14 |              |             |             |         |           |
| N-S  | o     |                       |      | 36 |              |             |             |         |           |
|      | e     |                       | 30   | 7  |              |             |             |         |           |
|      | o     |                       |      | 22 |              |             |             |         |           |
|      | o     |                       | 31   | 8  |              |             |             |         |           |
|      | cL    | 16                    | 18,5 |    |              |             |             |         |           |
|      | M     |                       | 31   |    | 20           |             |             |         |           |
|      | M     |                       | 43   |    | 17           |             |             |         |           |
|      | F     | 17                    | 10   |    |              |             |             |         |           |
| E-W  | e     | 15                    | 29   | 21 |              |             |             |         |           |
|      | e     |                       | 30   | 2  |              |             |             |         |           |
|      | o     |                       |      | 22 |              |             |             |         |           |
|      | e     |                       | 35   | 32 |              |             |             |         |           |

| Date | Phase | H o u r e    |      |    | Période | A m p l i t u d e |   | △  | Remarques |
|------|-------|--------------|------|----|---------|-------------------|---|----|-----------|
|      |       | de Greenwich |      |    |         | A                 | A |    |           |
|      |       | h            | m    | s  |         | N                 | E |    |           |
|      | cL    | 16           | 18,5 |    |         |                   |   |    |           |
|      | M     |              | 30,5 |    | 21      |                   |   |    |           |
|      | F     | 17           | 15   |    |         |                   |   |    |           |
| 10.  | F     | 14           | 0    | 44 |         |                   |   |    |           |
|      | e     |              | 1    | 15 |         |                   |   |    |           |
|      | e     |              |      | 57 |         |                   |   |    |           |
|      | e     |              | 10   | 44 |         |                   |   |    |           |
|      | cL    |              | 32,5 |    |         |                   |   |    |           |
|      | M     |              | 40,5 |    | 17      |                   |   |    |           |
|      | F     | 15           | 0    |    |         |                   |   |    |           |
| E-W  | eP    | 14           | 0    | 51 |         |                   |   |    |           |
|      | c     |              | 1    | 40 |         |                   |   |    |           |
|      | c     |              | 2    | 3  |         |                   |   |    |           |
|      | cL    |              | 32   |    |         |                   |   |    |           |
|      | M     |              | 40,5 |    | 17      |                   |   |    |           |
|      | F     | 15           | 0    |    |         |                   |   |    |           |
| 11.  | P     | 8            | 55   | 6  |         |                   |   |    |           |
| N-S  | i     |              | 57   | 27 |         |                   |   |    |           |
|      | e     |              | 58   | 12 |         |                   |   |    |           |
|      | e     |              |      | 33 |         |                   |   |    |           |
|      | F     | 9            | 10   |    |         |                   |   |    |           |
| E-W  | e     | 8            | 55   | 11 |         |                   |   |    |           |
|      | i     |              | 57   | 24 |         |                   |   |    |           |
|      | c     |              | 58   | 4  |         |                   |   |    |           |
|      | i     |              | 59   | 3  |         |                   |   |    |           |
|      | M     |              |      | 15 | 3       |                   |   | 18 |           |
|      | F     | 9            | 10   |    |         |                   |   |    |           |
| 21.  | e     | 17           | 57   | 22 |         |                   |   |    |           |
| N-S  | i     |              | 58   | 56 |         |                   |   |    |           |
|      | e     | 18           | 0    | 30 |         |                   |   |    |           |
|      | F     |              | 10   |    |         |                   |   |    |           |
| E-W  | e     | 17           | 57   | 41 |         |                   |   |    |           |
|      | c     |              | 59   | 23 |         |                   |   |    |           |
|      | c     | 18           | 0    | 22 |         |                   |   |    |           |
|      | M     |              |      | 36 | 5       |                   |   | 18 |           |
|      | F     |              | 10   |    |         |                   |   |    |           |
| 27.  | e     | 20           | 38   | 37 |         |                   |   |    |           |
| N-S  | i     |              | 39   | 10 |         |                   |   |    |           |
|      | i     |              |      | 20 |         |                   |   |    |           |
|      | cL    |              | 40   |    |         |                   |   |    |           |
|      | F     |              | 50   |    |         |                   |   |    |           |

| Date | Phase | H e u r e    |    |    | P é r i o d e | A m p l i t u d e |        | △  | Remarques |
|------|-------|--------------|----|----|---------------|-------------------|--------|----|-----------|
|      |       | do Greenwich |    |    |               | A<br>N            | A<br>E |    |           |
|      |       | h            | m  | s  | s             | μ                 | μ      | km |           |
| E-W  | o     | 20           | 38 | 38 |               |                   |        |    |           |
|      | i     |              | 39 | 10 |               |                   |        |    |           |
|      | e     |              |    | 21 |               |                   |        |    |           |
|      | o     |              |    | 43 |               |                   |        |    |           |
|      | oL    |              | 40 |    |               |                   |        |    |           |
|      | F     |              | 50 |    |               |                   |        |    |           |
| 28.  | cP    | 21           | 47 | 21 |               |                   |        |    |           |
| N-S  | i     |              | 48 | 10 |               |                   |        |    |           |
|      | o     |              |    | 35 |               |                   |        |    |           |
|      | o     |              |    | 41 |               |                   |        |    |           |
|      | F     | 21           | 10 |    |               |                   |        |    |           |
| E-W  | P     | 21           | 47 | 24 |               |                   |        |    |           |
|      | i     |              | 48 | 1  |               |                   |        |    |           |
|      | i     |              |    | 23 |               |                   |        |    |           |
|      | F     | 21           | 8  |    |               |                   |        |    |           |

K A L O C S A.

BULLETIN SÉISMIQUE - ANNÉE 1948.

Latitude: 46° 31' 43''

Longitude: 18° 58' 35''

Altitude: 98 m

Sous-sol: Sédiment friable  
alluvial.

Instrument: Pendule Wiechert horizontal  
/masse 200 kg/

V      T<sub>0</sub>      ε:1       $\frac{r}{T_0^2}$

Λ<sub>N</sub>    55      3,0      5,2      0,0151

Λ<sub>E</sub>    56      3,1      5,0      0,0156

Octobre

| Date       | Phase | H e u r e    |    |    | Période | A m p l i t u d e |                | △  | Remarques |
|------------|-------|--------------|----|----|---------|-------------------|----------------|----|-----------|
|            |       | de Greenwich |    |    |         | Λ <sub>N</sub>    | Λ <sub>E</sub> |    |           |
|            |       | h            | m  | s  | s       | μ                 | μ              | km |           |
| 10.<br>N-S | e     | 17           | 46 | 4  |         |                   |                |    |           |
|            | c     |              | 49 | 1  |         |                   |                |    |           |
|            | eL    |              | 51 |    |         |                   |                |    |           |
|            | F     | 18           | 8  |    |         |                   |                |    |           |
| E-W        | e     | 17           | 46 | 35 |         |                   |                |    |           |
|            | e     |              | 49 | 2  |         |                   |                |    |           |
|            | eL    |              | 51 |    |         |                   |                |    |           |
|            | F     | 18           | 5  |    |         |                   |                |    |           |

De 11 jusqu'à 22 octobre le pendule est demanté.



K A L O C S A.

BULLETIN SEISMIQUE - ANNEE 1948.

Latitude: 46° 31' 43'' Instrument: Pendule Wiechert horizontal

Longitude: 18° 58' 35'' /masse 200 kg/

Altitude: 98 m

V T<sub>0</sub> C : 1 T<sub>0</sub>

Sous-sol: Sédiment friable alluvial.

|                |    |     |     |        |
|----------------|----|-----|-----|--------|
| A <sub>N</sub> | 55 | 3,0 | 5,4 | 0,0177 |
| A <sub>E</sub> | 56 | 3,1 | 4,8 | 0,0156 |

Novembre

| Date | Phase | H e u r e    |    |    | Période | A m p l i t u d e |                | △  | Remarques |
|------|-------|--------------|----|----|---------|-------------------|----------------|----|-----------|
|      |       | de Greenwich |    |    |         | A <sub>N</sub>    | A <sub>E</sub> |    |           |
|      |       | h            | m  | s  | s       | μ                 | μ              | km |           |
| 1.   | eP    | 12           | 17 | 30 |         |                   |                |    |           |
| N-S  | F     |              | 32 |    |         |                   |                |    |           |
| E-W  | eP    | 12           | 17 | 29 |         |                   |                |    |           |
|      | e     |              | 18 | 43 |         |                   |                |    |           |
|      | e     |              | 20 | 51 |         |                   |                |    |           |
|      | F     |              | 30 |    |         |                   |                |    |           |
| 13.  | eP    | 4            | 47 | 16 |         |                   |                |    |           |
| N-S  | S     |              | 49 | 51 |         |                   |                |    |           |
|      | L     |              | 50 | 39 |         |                   |                |    |           |
|      | M     |              |    | 44 | 3       | 14                |                |    |           |
|      | F     | 5            | 5  |    |         |                   |                |    |           |
| E-W  | eP    | 4            | 47 | 14 |         |                   |                |    |           |
|      | S     |              | 49 | 52 |         |                   |                |    |           |
|      | i     |              | 50 | 33 |         |                   |                |    |           |
|      | L     |              |    | 47 |         |                   |                |    |           |
|      | M     |              | 51 | 8  | 5       |                   | 20             |    |           |
|      | F     | 5            | 5  |    |         |                   |                |    |           |
| 22.  | e     | 23           | 50 | 31 |         |                   |                |    |           |
| N-S  | eL    |              | 52 | 17 |         |                   |                |    |           |
|      | F     |              | 59 |    |         |                   |                |    |           |
| E-W  | e     | 23           | 50 | 30 |         |                   |                |    |           |
|      | eL    |              | 52 | 20 |         |                   |                |    |           |
|      | F     | 0            | 0  |    |         |                   |                |    |           |

K A L O C S A.

BULLETIN SEMESTRIEL - ANNEE 1948.

Latitude: 46° 31' 43''

Longitude: 18° 58' 35''

Altitude: 98 m

Sous-sol: Sédiment friable  
alluvial.

Instrument: Pendule Wiechert horizontal  
/masse 200 kg/

$$V \quad T_0 \quad \epsilon : 1 \quad \frac{r}{2 T_0}$$

A<sub>N</sub> 55 3,0 5,4 0,0177

A<sub>E</sub> 56 3,1 4,2 0,0156

Décembre

| Date | Phase            | H e u r e    |      |    | Période | A m p l i t u d e |                | △  | Remarques            |
|------|------------------|--------------|------|----|---------|-------------------|----------------|----|----------------------|
|      |                  | de Greenwich |      |    |         | A <sub>N</sub>    | A <sub>E</sub> |    |                      |
|      |                  | h            | m    | s  | s       | μ                 | μ              | km |                      |
| 4.   | e<br>F           | 1            | 10   |    |         |                   |                |    | Forte agi-<br>tation |
| 5.   | e<br>F           | 6            | 46   | 16 |         |                   |                |    | "                    |
| E-W  | e<br>e<br>F      | 6            | 46   | 27 |         |                   |                |    | "                    |
|      |                  |              | 48   | 31 |         |                   |                |    |                      |
|      |                  | 8            | 0    |    |         |                   |                |    |                      |
| 23.  | e                | 8            | 53   | 7  |         |                   |                |    |                      |
| N-S  | e/S?/<br>eL<br>F | 9            | 2    | 32 |         |                   |                |    |                      |
|      |                  |              | 25   |    |         |                   |                |    |                      |
|      |                  |              | 45   |    |         |                   |                |    |                      |
| E-W  | e                | 8            | 53   | 5  |         |                   |                |    |                      |
|      | e/S?/<br>eL<br>F | 9            | 2    | 32 |         |                   |                |    |                      |
|      |                  |              | 24,5 |    |         |                   |                |    |                      |
|      |                  |              | 45   |    |         |                   |                |    |                      |
| 28.  | e                | 5            | 26   | 56 |         |                   |                |    |                      |
| N-S  | c                |              | 28   | 25 |         |                   |                |    |                      |
|      | e                |              | 29   | 22 |         |                   |                |    |                      |
|      | F                |              | 35   |    |         |                   |                |    |                      |

| Date       | Phase | H e u r e<br>de Greenwich |    |    | Période<br>s | A m p l i t u d e |                 | △<br>km | Remarques |
|------------|-------|---------------------------|----|----|--------------|-------------------|-----------------|---------|-----------|
|            |       | h                         | m  | s  |              | A<br>N<br>$\mu$   | A<br>E<br>$\mu$ |         |           |
| E-W        | e     | 5                         | 27 | 0  |              |                   |                 |         |           |
|            | e     |                           | 28 | 17 |              |                   |                 |         |           |
|            | e     |                           |    | 55 |              |                   |                 |         |           |
|            | e     |                           | 29 | 30 |              |                   |                 |         |           |
|            | F     |                           | 35 |    |              |                   |                 |         |           |
| 31.<br>N-S | P     | 3                         | 35 | 26 |              |                   |                 |         |           |
|            | S     |                           | 36 | 18 |              |                   |                 |         |           |
|            | L     |                           |    | 32 |              |                   |                 |         |           |
|            | F     |                           | 45 |    |              |                   |                 |         |           |
| E-W        | P     | 3                         | 35 | 27 |              |                   |                 |         |           |
|            | S     |                           | 36 | 18 |              |                   |                 |         |           |
|            | eL    |                           |    | 35 |              |                   |                 |         |           |
|            | M     |                           | 37 | 20 | 5            |                   | 16              |         |           |
|            | F     |                           | 45 |    |              |                   |                 |         |           |