

K A L O C S A

Bulletin microséismique 1956.

$\lambda = 18^{\circ} 58' 35''$  E  
 $\varphi = 46^{\circ} 31' 43''$  N  
 Altitude: 98 m  
 Sous-sol: Sédiment friable  
           alluvial  
 Instrument: Pendule Viechert  
              horizontal /masse 200 kg/

|    | V  | T <sub>0</sub> | E:1 | $\frac{r}{T_0^2}$ |
|----|----|----------------|-----|-------------------|
| N. | 58 | 2,9            | 4,6 | 0,0316            |
| E  | 86 | 3,1            | 5,0 | 0,0201            |

Janvier.

| 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 <sub>N</sub>    | A <sub>E</sub> | A <sub>Z</sub> |           |
|           |                |                           |    |    |         |                   |                | km             |           |
|           |                |                           |    |    | $\mu$   | $\mu$             | $\mu$          |                |           |
| 4.<br>N-S | e              | 12                        | 23 | 13 |         |                   |                |                |           |
|           | e              |                           | 24 | 43 |         |                   |                |                |           |
|           | e              |                           | 25 |    |         |                   |                |                |           |
|           | F              |                           | 30 |    |         |                   |                |                |           |
| E-W       | e              | 12                        | 23 | 00 |         |                   |                |                |           |
|           | e              |                           |    | 49 |         |                   |                |                |           |
|           | e              |                           | 24 | 23 |         |                   |                |                |           |
|           | e              |                           |    | 49 |         |                   |                |                |           |
|           | F              |                           | 26 |    |         |                   |                |                |           |
|           | F              |                           | 30 |    |         |                   |                |                |           |
| 6.<br>N-S | eP             | 12                        | 17 | 48 |         |                   |                | 7,09           |           |
|           | P              |                           | 18 | 21 |         |                   |                | 880            |           |
|           | e              |                           | 19 | 51 |         |                   |                |                |           |
|           | S              |                           | 20 | 00 |         |                   |                |                |           |
|           | L              |                           |    | 39 |         |                   |                |                |           |
|           | F              |                           | 21 | 18 | 3       | 40                |                |                |           |
|           | F              |                           | 33 |    |         |                   |                |                |           |
| E-W       | eP             | 13                        | 17 | 42 |         |                   |                |                |           |
|           | e              |                           | 18 | 32 |         |                   |                |                |           |
|           | S <sup>x</sup> |                           | 19 | 34 |         |                   |                |                |           |
|           | S              |                           | 20 | 00 |         |                   |                |                |           |
|           | L              |                           |    | 27 |         |                   |                |                |           |
|           | F              |                           | 21 | 12 | 4       |                   | 36             |                |           |
|           | F              |                           | 24 | 42 | 4       |                   | 16             |                |           |
|           | F              |                           | 35 |    |         |                   |                |                |           |
| 6.<br>N-S | e              | 14                        | 57 | 22 |         |                   |                |                |           |
|           | e              |                           | 58 | 32 |         |                   |                |                |           |
|           | e              |                           |    | 53 |         |                   |                |                |           |
|           | e              |                           | 59 | 15 |         |                   |                |                |           |
|           | e              |                           |    | 44 |         |                   |                |                |           |
|           | F              | 15                        | 00 | 15 |         |                   |                |                |           |
|           | F              |                           | 07 |    |         |                   |                |                |           |

| Date       | Phase                           | Heure de Greenwich |    |      | Période | Amplitude      |                |                | Remarques |
|------------|---------------------------------|--------------------|----|------|---------|----------------|----------------|----------------|-----------|
|            |                                 | h                  | m  | s    |         | A <sub>N</sub> | A <sub>E</sub> | A <sub>Z</sub> |           |
| E-W        | e                               | 14                 | 57 | 30   |         |                |                |                |           |
|            | e                               |                    | 58 | 35   |         |                |                |                |           |
|            | e                               |                    | 59 | 00   |         |                |                |                |           |
|            | e                               | 15                 | 07 |      |         |                |                |                |           |
| 8.<br>N-S  | ePP                             | 21                 | 12 | 47   |         |                |                | 103°           |           |
|            | ePPP                            |                    | 14 | 24   |         |                |                | 11440          |           |
|            | PKS                             |                    | 16 | 22   |         |                |                |                |           |
|            | eSKS                            |                    | 18 | 54   |         |                |                |                |           |
|            | F                               |                    | 25 |      |         |                |                |                |           |
| E-W        | PP                              | 21                 | 12 | 28   |         |                |                |                |           |
|            | e                               |                    | 13 | 18   |         |                |                |                |           |
|            | eSKS                            |                    | 18 | 54   |         |                |                |                |           |
|            | eSKKS                           |                    | 19 | 11   |         |                |                |                |           |
|            | F                               |                    | 26 |      |         |                |                |                |           |
| 9.N-S      | ePKP                            | 12                 | 24 | 40   |         |                |                | 151,°5         |           |
|            |                                 |                    |    |      |         |                |                | 16830          |           |
| E-W        | ePKP                            | 12                 | 24 | 46   |         |                |                |                |           |
| 12.<br>N-S | iP                              | 06                 | 46 | 26,2 |         |                |                | 0,°8           |           |
|            | S                               |                    |    | 41   |         |                |                | 89             |           |
|            | après l' aiguille a été rejetée |                    |    |      |         |                |                |                |           |
| E-W        | iP                              | 05                 | 46 | 25,3 |         |                |                |                |           |
|            | S                               |                    |    | 35,2 |         |                |                |                |           |
|            | F                               | 06                 | 07 |      |         |                |                |                |           |
| 12.<br>N-S | P                               | 07                 | 41 | 20,7 |         |                |                |                |           |
|            | iS                              |                    |    | 31,5 |         |                |                |                |           |
|            | L                               |                    |    | 34,6 |         |                |                |                |           |
|            | F                               |                    | 47 | 51,5 |         |                |                |                |           |
| E-W        | P                               | 07                 | 41 | 21,2 |         |                |                |                |           |
|            | iS                              |                    |    | 30,8 |         |                |                |                |           |
|            | eL                              |                    |    | 35,2 |         |                |                |                |           |
|            | F                               |                    | 47 | 56,  |         |                |                |                |           |
| 13.<br>N-S | P                               | 10                 | 21 | 54   |         |                |                | " "            |           |
|            | F                               |                    | 24 |      |         |                |                |                |           |
| E-W        | P                               | 10                 | 21 | 55   |         |                |                |                |           |
|            | F                               |                    | 24 |      |         |                |                |                |           |

| 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 <sub>N</sub>    | A <sub>E</sub> | A <sub>Z</sub> |           |
| 13.   | P                                     | 14                        | 03                         | 19             |              |                   |                |                | Réplique  |
| N-S   | e<br>F                                |                           | 05                         | 36             |              |                   |                |                |           |
| E-W   | P                                     | 14                        | 03                         | 17             |              |                   |                |                |           |
|       | i<br>e<br>F                           |                           | 04<br>05                   | 41             |              |                   |                |                |           |
| 16.   | eP                                    | 04                        | 16                         | 42             |              |                   |                |                | " "       |
| N-S   | e<br>L<br>F                           |                           | 17<br>20                   | 53<br>17       |              |                   |                |                |           |
| E-W   | e<br>I<br>F                           | 04                        | 16                         | 44<br>54       |              |                   |                |                |           |
| 16-17 | P <sub>c</sub> P                      | 23                        | 51                         | 17             |              |                   |                | 96,09          | Traces    |
| N-S   | ePP                                   |                           | 54                         | 35             |              |                   |                | 10765          |           |
|       | SKKS                                  | 00                        | 02                         | 01             |              |                   |                |                |           |
|       | S<br>e                                |                           | 03                         | 24<br>10       |              |                   |                |                |           |
| E-W   | e<br>e<br>SKKS<br>eL<br>F             | 23                        | 51<br>52<br>00<br>33<br>45 | 26<br>12<br>01 |              |                   |                |                |           |
| 21.   | eP                                    | 09                        | 53                         | 37             |              |                   |                |                |           |
| N-S   | L<br>F                                |                           | 55<br>00                   | 15             |              |                   |                |                |           |
| E-W   | cP<br>eL<br>F                         | 09                        | 53<br>55<br>01             | 32<br>08       |              |                   |                |                |           |
| 31.   | Pas mesurable, pas de marque du temps |                           |                            |                |              |                   |                |                |           |

Kallosca

- 4 -

|   | V  | T <sub>0</sub> | Δ:1 | $\frac{r}{T_0^2}$ |
|---|----|----------------|-----|-------------------|
| N | 96 | 2,9            | 3,6 | 0,0285            |
| E | 84 | 3,1            | 3,9 | 0,0280            |

Février 1956

| Date       | Phase  | Heure de Greenwich |    |  | Période<br>s     | Amplitude            |                |                | Remarques  |
|------------|--|--------------------|----|--|------------------|----------------------|----------------|----------------|------------|
|            |  | h                  | m  | s  |                  | A <sub>N</sub>       | A <sub>E</sub> | A <sub>Z</sub> |            |
| 15.<br>N-S | P<br>e<br>L<br>M<br>F                              | 04                 | 04 | 05<br>21<br>37<br>45   | 3                | 16                   |                |                | Jugoslavie |
| E-W        | P<br>L<br>F  | 04                 | 04 | 07<br>31   |                  |                      |                |                |            |
| 18.<br>E-W | eP<br>epP<br>e<br>PP<br>iS<br>F                    | 06                 | 46 | 17<br>21<br>48<br>53<br>50<br>06<br>55<br>54                                     |                  |                      |                | 85,°5<br>9500  |            |
| 20.<br>N-S | ePP<br>ePPP<br>L<br>F                              | 01                 | 31 | 41<br>25<br>33<br>38   |                  |                      |                | 48,°07<br>5410 |            |
| E-W        | e<br>PPP<br>e<br>L<br>F                            | 01                 | 32 | 00<br>25<br>33<br>00<br>15<br>38   |                  |                      |                |                |            |
| 20.<br>N-S | eP<br>PP<br>S<br>SSS<br>L<br>M<br>M<br>M<br>M<br>F | 20                 | 34 | 15<br>24<br>36<br>15<br>49<br>56<br>37<br>12<br>38<br>08<br>44<br>39<br>15<br>55 | 3<br>3<br>3<br>3 | 22<br>68<br>41<br>53 |                | 11°<br>1220    |            |

a./ 3./

K A L O C S A.

Bulletin microséismique 1956.

= 18° 58' 35" E  
 = 46° 31' 43" N  
 Altitude: 98 m.  
 Sous-sol: Sédiment friable  
 alluvial.  
 Instrument: Pendule Wiechert  
 horizontal /masse 200 kg/

|   | V  | T <sub>0</sub> | λ:1 | $\frac{r}{T_0^2}$ |
|---|----|----------------|-----|-------------------|
| N | 96 | 2,9            | 3,6 | 0,0285            |
| E | 84 | 3,1            | 3,9 | 0,0280            |

Mars. 1956

| Date       | Phase                           | Heure de Greenwich |      |      | Période<br>s | Amplitude      |                |                | Remarques |
|------------|---------------------------------|--------------------|------|------|--------------|----------------|----------------|----------------|-----------|
|            |                                 | h                  | m    | s    |              | A <sub>N</sub> | A <sub>E</sub> | A <sub>Z</sub> |           |
| 4.<br>N-S  | e<br>i<br>F                     | 09                 | 40   | 53   |              |                |                |                |           |
|            |                                 |                    | 41   | 00,3 |              |                |                |                |           |
|            |                                 |                    | 42,5 |      |              |                |                |                |           |
| E-W        | e<br>i<br>F                     | 09                 | 40   | 59   |              |                |                |                |           |
|            |                                 |                    | 41   | 00,3 |              |                |                |                |           |
|            |                                 |                    | 43   | 07   |              |                |                |                |           |
| 26.<br>N-S | e<br>e<br>F                     | 22                 | 53   | 21   |              |                |                |                |           |
|            |                                 |                    | 55   | 15   |              |                |                |                |           |
|            |                                 | 23                 | 00   |      |              |                |                |                |           |
| 31.<br>N-S | P<br>e<br>S<br>S<br>e<br>e<br>F | 14                 | 07   | 24,1 |              |                |                | 1,04<br>156    |           |
|            |                                 |                    |      | 36   |              |                |                |                |           |
|            |                                 |                    |      | 41,6 |              |                |                |                |           |
|            |                                 |                    |      | 44   |              |                |                |                |           |
|            |                                 |                    |      | 50   |              |                |                |                |           |
|            |                                 |                    |      | 08   |              |                |                |                | 17        |
|            |                                 |                    |      | 16   |              |                |                |                |           |
| E-W        | eP<br>e<br>S<br>S<br>e<br>F     | 14                 | 07   | 24   |              |                |                |                |           |
|            |                                 |                    |      | 38   |              |                |                |                |           |
|            |                                 |                    |      | 42,1 |              |                |                |                |           |
|            |                                 |                    |      | 44   |              |                |                |                |           |
|            |                                 |                    |      | 54   |              |                |                |                |           |
|            |                                 |                    |      | 15   |              |                |                |                |           |

Fev 7

| Date       | Phase            | Heure de Greenwich |            |                | Période | Amplitude      |                |                | Remarques |
|------------|------------------|--------------------|------------|----------------|---------|----------------|----------------|----------------|-----------|
|            |                  | h                  | m          | s              |         | A <sub>N</sub> | A <sub>E</sub> | A <sub>Z</sub> |           |
| E-W        | PPP              | 20                 | 34         | 27             |         |                |                |                |           |
|            | S                |                    | 36         | 07             |         |                |                |                |           |
|            | SS               |                    |            | 26             |         |                |                |                |           |
|            | SSS              |                    |            | 48             |         |                |                |                |           |
|            | L                |                    | 37         | 35             |         |                |                |                |           |
|            | M                |                    | 38         | 11             | 3       |                | 41             |                |           |
|            | M                |                    |            | 50             | 3       |                | 60             |                |           |
|            | F                |                    | 55         |                |         |                |                |                |           |
| 22.<br>E-W | e<br>F           | 10                 | 10,5<br>15 |                |         |                |                |                |           |
| 23.<br>N-S | e<br>e<br>e<br>F | 06                 | 09         | 24<br>47<br>37 |         |                |                |                |           |
|            |                  |                    | 10         |                |         |                |                |                |           |
|            |                  |                    | 14         |                |         |                |                |                |           |
| E-W        | e<br>F           | 06                 | 10<br>14   |                |         |                |                |                |           |
| 29.<br>N-S | P                | 21                 | 01         | 53             |         |                |                |                |           |

|   | V  | T <sub>0</sub> | 9:1 | $\frac{r}{T^2}$ |
|---|----|----------------|-----|-----------------|
|   | 91 | 2.9            | 5.1 | 0,0285          |
| E | 85 | 3.1            | 4.7 | 0,0280          |

Mai.

|           |                   |    |    |                |  |  |  |  |  |
|-----------|-------------------|----|----|----------------|--|--|--|--|--|
| 1.<br>N-S | e<br>e<br>F       | 02 | 55 | 04<br>48       |  |  |  |  |  |
|           |                   |    | 58 |                |  |  |  |  |  |
| E-W       | e<br>F            | 02 | 55 | 03             |  |  |  |  |  |
|           |                   |    | 58 |                |  |  |  |  |  |
| 2.<br>N-S | eP<br>e<br>e<br>F | 11 | 48 | 55<br>04<br>39 |  |  |  |  |  |
|           |                   |    | 54 |                |  |  |  |  |  |
| E-W       | eP<br>e<br>e<br>F | 11 | 48 | 58<br>03<br>39 |  |  |  |  |  |
|           |                   |    | 54 |                |  |  |  |  |  |



| 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 <sub>N</sub>    | A <sub>E</sub> | A <sub>Z</sub> |           |
| 2.   | N-S            | 13                        | 40 | 00 |              |                   |                |                |           |
|      | ú <sup>F</sup> |                           | 42 |    |              |                   |                |                |           |
| 10.  | N-S            | 16                        | 25 | 06 |              |                   |                |                |           |
|      | e              |                           | 28 | 32 |              |                   |                |                |           |
|      | e              |                           | 31 | 33 |              |                   |                |                |           |
| E-W  | e              | 16                        | 25 | 05 |              |                   |                |                |           |
|      | e              |                           | 28 | 34 |              |                   |                |                |           |
|      | e              |                           | 29 | 41 |              |                   |                |                |           |
| 15.  | N-S            | 18                        | 36 | 47 |              |                   |                | 9,02           |           |
|      | eP*            |                           | 37 | 03 |              |                   |                | 1020           |           |
|      | e              |                           |    | 12 |              |                   |                |                |           |
|      | S              |                           | 38 | 16 |              |                   |                |                |           |
|      | S              |                           | 39 | 16 |              |                   |                |                |           |
|      | L              |                           |    | 36 |              |                   |                |                |           |
|      | F              |                           | 48 |    |              |                   |                |                |           |
| E-W  | eP*            | 18                        | 37 | 03 |              |                   |                |                |           |
|      | eP             |                           |    | 32 |              |                   |                |                |           |
|      | e              |                           | 38 | 30 |              |                   |                |                |           |
|      | S              |                           | 39 | 28 |              |                   |                |                |           |
|      | L              |                           | 40 |    |              |                   |                |                |           |
|      | F              |                           | 48 |    |              |                   |                |                |           |
| 15.  | N-S            | 22                        | 59 | 26 |              |                   |                | 8,08           |           |
|      | e              | 23                        | 02 |    |              |                   |                | 980            |           |
|      | L              |                           |    | 17 |              |                   |                |                |           |
|      | F              |                           | 11 |    |              |                   |                |                |           |
| E-W  | eP*            | 22                        | 59 | 31 |              |                   |                |                |           |
|      | e              | 23                        | 00 | 37 |              |                   |                |                |           |
|      | S              |                           | 01 | 44 |              |                   |                |                |           |
|      | e              |                           | 02 | 27 |              |                   |                |                |           |
|      | F              |                           | 11 |    |              |                   |                |                |           |
| 18.  | N-S            | 22                        | 10 | 31 |              |                   |                |                |           |
|      | e              |                           | 11 | 16 |              |                   |                |                |           |
|      | e              |                           | 13 |    |              |                   |                |                |           |
|      | e              |                           |    | 41 |              |                   |                |                |           |
|      | F              |                           | 22 |    |              |                   |                |                |           |
| E-W  | e              | 22                        | 10 | 41 |              |                   |                |                |           |
|      | e              |                           | 11 | 19 |              |                   |                |                |           |
|      | e              |                           | 12 | 47 |              |                   |                |                |           |
|      | e              |                           | 13 |    |              |                   |                |                |           |
|      | e              |                           |    | 28 |              |                   |                |                |           |
|      | F              |                           | 22 |    |              |                   |                |                |           |

| 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 <sub>N</sub>    | A <sub>E</sub> | A <sub>Z</sub> |           |
| 19.  |       |                           |    |    |              |                   |                |                |           |
| N-S  | eP    | 20                        | 15 | 44 |              |                   |                |                | 89.01     |
|      | eSKKS |                           | 26 | 34 |              |                   |                |                | 9900      |
|      | F     |                           | 30 |    |              |                   |                |                |           |
| E-W  | eP    | 20                        | 15 | 49 |              |                   |                |                |           |
|      | e     |                           | 16 |    |              |                   |                |                |           |
|      | eSKS  |                           | 26 | 26 |              |                   |                |                |           |
|      | F     |                           | 31 |    |              |                   |                |                |           |
| 23.  | PKP   | 21                        | 07 | 22 |              |                   |                |                | 154.6     |
| N-S  | i     |                           |    | 26 |              |                   |                |                | 17180     |
|      | pPKP  |                           | 09 | 37 |              |                   |                |                |           |
|      | e     |                           |    | 55 |              |                   |                |                |           |
|      | eSKS  |                           | 13 | 00 |              |                   |                |                |           |
|      | e     |                           | 29 |    |              |                   |                |                |           |
|      | F     |                           | 40 |    |              |                   |                |                |           |
| E-W  | PKP   | 21                        | 07 | 22 |              |                   |                |                |           |
|      | e     |                           | 08 | 13 |              |                   |                |                |           |
|      | e     |                           | 12 | 15 |              |                   |                |                |           |
|      | eSKS  |                           | 13 | 00 |              |                   |                |                |           |
|      | F     |                           | 42 |    |              |                   |                |                |           |
| 26.  | e     | 17                        | 19 | 21 |              |                   |                |                |           |
| N-S  | e     |                           | 20 | 26 |              |                   |                |                |           |
|      | F     |                           | 24 |    |              |                   |                |                |           |
| E-W  | e     | 17                        | 19 | 30 |              |                   |                |                |           |
|      | e     |                           | 20 | 12 |              |                   |                |                |           |
|      | F     |                           | 24 |    |              |                   |                |                |           |
| 26.  | e     | 18                        | 42 | 13 |              |                   |                |                |           |
| N-S  | e     |                           |    | 46 |              |                   |                |                |           |
|      | e     |                           | 43 | 00 |              |                   |                |                |           |
|      | e     |                           |    | 17 |              |                   |                |                |           |
|      | e     |                           |    | 28 |              |                   |                |                |           |
|      | F     |                           | 51 |    |              |                   |                |                |           |
| E-W  | e     | 18                        | 42 | 10 |              |                   |                |                |           |
|      | e     |                           |    | 30 |              |                   |                |                |           |
|      | e     |                           | 43 | 03 |              |                   |                |                |           |
|      | e     |                           |    | 25 |              |                   |                |                |           |
|      | F     |                           | 51 |    |              |                   |                |                |           |
| 26.  | PKP   | 20                        | 40 | 10 |              |                   |                |                | 149.0     |
| N-S  |       |                           |    |    |              |                   |                |                | 16550     |
| E-W  | PKP   | 20                        | 40 | 08 |              |                   |                |                |           |
|      | PP    |                           | 43 | 22 |              |                   |                |                |           |





Date Phase Heure de Greenwich Période Amplitude  
 $A_N$   $A_E$   $A_Z$  Remarques  
 h m s s km

29.  
N-S e 16 23 33  
 e 24 36  
 e 45  
 F 28  
 E-W e 16 23 47  
 e 24 22  
 e 50  
 F 28

|   | V   | $T_0$ | $\xi:1$ | $\frac{r}{T_0^2}$ |
|---|-----|-------|---------|-------------------|
| N | 100 | 2,9   | 4,6     | 0,0297            |
| E | 79  | 3,1   | 3,6     | 0,0250            |

Juin.

25.  
N-S e 10 53 58  
 e 56 14  
 F 11 00  
 E-W e 10 51 04  
 e 56 14  
 F 11 00  
 26.  
N-S e 06 29 54  
 e 31 58  
 F 37  
 E-W e 06 29 48  
 e 31 43  
 e 32 03  
 L 15  
 F 37  
 28.  
N-S P 17 43 15  
 e 50  
 e 44 05  
 L 10  
 F 54  
 E-W eP 17 43 15  
 e 43  
 e 55  
 e 44 05  
 F 55

| 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 <sub>N</sub>    | A <sub>E</sub> | A <sub>Z</sub> |           |
| 30.<br>N-S | e                    | 01                        | 53 | 05 |              |                   |                | 7,05           |           |
|            | eS <sub>1</sub><br>F | 02                        | 54 | 13 |              |                   |                | 830            |           |
| E-W        | e                    | 01                        | 53 | 09 |              |                   |                |                |           |
|            | S                    |                           |    | 40 |              |                   |                |                |           |
|            | S                    |                           | 54 | 15 |              |                   |                |                |           |
|            | S                    |                           |    | 26 |              |                   |                |                |           |
|            | L                    |                           |    | 45 |              |                   |                |                |           |
|            | F                    | 02                        | 05 |    |              |                   |                |                |           |

|   | V  | T <sub>0</sub> | λ:1 | $\frac{r}{T_0^2}$ |
|---|----|----------------|-----|-------------------|
| N | 92 | 2,9            | 4,0 | 0,0309            |
| E | 90 | 3,0            | 4,4 | 0,0215            |

Juillet.

1956

|           |   |    |    |    |
|-----------|---|----|----|----|
| 2.<br>N-S | e | 23 | 33 | 29 |
|           | e |    | 34 | 38 |
|           | F |    | 38 |    |
| E-W       | e | 23 | 33 | 47 |
|           | F |    | 39 |    |
| 8.<br>N-S | e | 08 | 32 | 55 |
|           | e |    | 33 | 51 |
|           | e |    | 34 | 28 |
|           | L |    | 35 | 15 |
|           | F |    | 40 |    |
| E-W       | e | 08 | 33 | 51 |
|           | e |    | 34 | 05 |
|           | L |    |    | 45 |
|           | F |    | 39 |    |
| 8.<br>N-S | e | 10 | 42 | 10 |
|           | e |    | 43 | 16 |
|           | e |    |    | 25 |
|           | e |    | 44 | 05 |
|           | F |    | 47 |    |
| E-W       | e | 10 | 42 | 02 |
|           | e |    |    | 47 |
|           | e |    | 43 | 15 |
|           | F |    | 47 |    |

Kalocsa

| 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> | A <sub>Z</sub> |           |
|      |       | h         | m         | s  | s       |                   |                | km             |           |
| 8.   | N-S   | 13        | 09        | 08 |         |                   |                |                |           |
|      | e     |           |           | 16 |         |                   |                |                |           |
|      | e     |           |           | 25 |         |                   |                |                |           |
|      | c     |           |           |    |         |                   |                |                |           |
|      | F     |           | 14        |    |         |                   |                |                |           |
| E-W  | e     | 13        | 08        | 50 |         |                   |                |                |           |
|      | e     |           | 09        | 29 |         |                   |                |                |           |
|      | L     |           | 10        | 15 |         |                   |                |                |           |
|      | F     |           | 14        |    |         |                   |                |                |           |
| 8.   | N-S   | 15        | 41        | 55 |         |                   |                |                |           |
|      | e     |           | 42        | 28 |         |                   |                |                |           |
|      | e     |           | 43        | 00 |         |                   |                |                |           |
|      | F     |           | 46        |    |         |                   |                |                |           |
| E-W  | e     | 15        | 42        | 30 |         |                   |                |                |           |
|      | F     |           | 45        |    |         |                   |                |                |           |
| 9.   | N-S   | 03        | 14        | 22 |         |                   |                | 10° 19         |           |
|      | eP    |           |           | 32 |         |                   |                | 1210           |           |
|      | PP    |           | 17        | 15 |         |                   |                |                |           |
|      | SSS   |           |           | 30 |         |                   |                |                |           |
|      | e     |           | 18        | 45 |         |                   |                |                |           |
|      | e     |           | 20        | 45 | 6       |                   |                |                |           |
|      | M     |           | 23        | 33 | 6       |                   |                |                |           |
|      | M     |           | 04        | 20 |         |                   |                |                |           |
|      | F     |           |           |    |         |                   |                |                |           |
| E-W  | eP    | 03        | 14        | 22 |         |                   |                |                |           |
|      | PP    |           |           | 32 |         |                   |                |                |           |
|      | e     |           | 15        | 24 |         |                   |                |                |           |
|      | S     |           | 16        | 37 |         |                   |                |                |           |
|      | L     |           | 18        | 15 |         |                   |                |                |           |
|      | M     |           |           | 45 | 6       |                   |                |                |           |
|      | M     |           | 23        | 45 | 4       |                   |                |                |           |
|      | F     | 04        | 20        |    |         |                   |                |                |           |
| 9.   | N-S   | 04        | 39        | 35 |         |                   |                |                |           |
|      | e     |           | 43        |    |         |                   |                |                |           |
|      | F     |           |           |    |         |                   |                |                |           |
| E-W  | e     | 04        | 38        | 45 |         |                   |                |                |           |
|      | e     |           | 39        | 53 |         |                   |                |                |           |
|      | F     |           | 45        |    |         |                   |                |                |           |
| 9.   | N-S   | 09        | 52        | 00 |         |                   |                |                |           |
|      | e     |           | 55        |    |         |                   |                |                |           |
|      | F     |           |           |    |         |                   |                |                |           |
| E-W  | e     | 09        | 51        | 37 |         |                   |                |                |           |
|      | F     |           | 56        |    |         |                   |                |                |           |

| 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 <sub>N</sub>    | A <sub>E</sub> | A <sub>Z</sub> |           |
| 9.   | N-S   | 10                        | 08 | 21 |              |                   |                | 77°            | 8560      |
|      |       |                           | 20 |    |              |                   |                |                |           |
|      | E-W   | 10                        | 08 | 05 |              |                   |                |                |           |
|      |       |                           |    |    | 37           |                   |                |                |           |
|      |       |                           |    | 22 | 53           |                   |                |                |           |
| 9.   | N-S   | 20                        | 17 | 15 |              |                   |                |                |           |
|      |       |                           |    | 20 | 37           |                   |                |                |           |
|      |       |                           |    | 25 |              |                   |                |                |           |
|      | E-W   | 20                        | 16 | 40 |              |                   |                |                |           |
|      |       |                           |    | 17 | 27           |                   |                |                |           |
|      |       |                           |    | 20 | 20           |                   |                |                |           |
|      |       |                           |    | 25 |              |                   |                |                |           |
| 9.   | N-S   | 21                        | 35 | 02 |              |                   |                |                |           |
|      |       |                           | 40 |    |              |                   |                |                |           |
|      | E-W   | 21                        | 34 | 58 |              |                   |                |                |           |
|      |       |                           |    | 35 | 47           |                   |                |                |           |
|      |       |                           |    | 40 |              |                   |                |                |           |
| 10.  | N-S   | 03                        | 04 | 10 |              |                   |                |                |           |
|      |       |                           |    | 09 | 02           |                   |                |                |           |
|      |       |                           |    |    | 45           |                   |                |                |           |
|      |       |                           |    | 17 |              |                   |                |                |           |
|      | E-W   | 03                        | 04 | 30 |              |                   |                |                |           |
|      |       |                           |    | 05 | 08           |                   |                |                |           |
|      |       |                           |    | 07 | 45           |                   |                |                |           |
|      |       |                           |    | 09 | 15           |                   |                |                |           |
|      |       |                           |    | 17 |              |                   |                |                |           |
| 14.  | N-S   | 20                        | 01 | 12 |              |                   |                |                |           |
|      |       |                           |    | 05 | 43           |                   |                |                |           |
|      |       |                           |    | 06 | 53           |                   |                |                |           |
|      |       |                           |    | 09 | 18           |                   |                |                |           |
|      | E-W   | 20                        | 01 | 12 |              |                   |                |                |           |
|      |       |                           |    | 05 | 41           |                   |                |                |           |
|      |       |                           |    | 06 | 50           |                   |                |                |           |
|      |       |                           |    | 08 | 10           |                   |                |                |           |

| 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> | A <sub>Z</sub> |           |
|            |                   | h         | m         | s  | s       |                   |                | km             |           |
| 16.<br>N-S | P P               | 15        | 18        | 12 |         |                   |                | 64,5           |           |
|            | P <sub>C</sub> B  |           | 22        | 22 |         |                   |                | 7170           |           |
|            | SKS               |           | 27        | 54 |         |                   |                |                |           |
|            | e                 |           | 28        | 45 |         |                   |                |                |           |
|            | e                 |           | 35        | 40 |         |                   |                |                |           |
|            | L<br>F            | 16        | 15        |    |         |                   |                |                |           |
| E-W        | eP                | 15        | 17        | 55 |         |                   |                |                |           |
|            | PP                |           | 19        | 55 |         |                   |                |                |           |
| SKS        | e                 |           | 27        | 12 |         |                   |                |                |           |
|            | SKS               |           |           | 44 |         |                   |                |                |           |
|            | SS                |           | 30        | 12 |         |                   |                |                |           |
|            | e                 |           | 35        | 15 |         |                   |                |                |           |
|            | L                 |           | 47        |    |         |                   |                |                |           |
|            | F                 | 16        | 15        |    |         |                   |                |                |           |
| 17.<br>N-S | e                 | 07        | 51        | 15 |         |                   |                | 107,01         |           |
|            | PP                |           | 52        | 42 |         |                   |                | 11900          |           |
|            | e                 |           | 53        | 30 |         |                   |                |                |           |
|            | PPP               |           | 55        | 12 |         |                   |                |                |           |
|            | eSKS              |           | 58        | 30 |         |                   |                |                |           |
|            | F                 | 08        | 05        |    |         |                   |                |                |           |
| E-W        | e                 | 07        | 51        | 12 |         |                   |                |                |           |
|            | PP                |           | 52        | 34 |         |                   |                |                |           |
|            | ePPP              |           | 55        | 21 |         |                   |                |                |           |
|            | e                 |           | 57        | 37 |         |                   |                |                |           |
|            | eSKS              |           | 58        | 27 |         |                   |                |                |           |
|            | F                 | 08        | 05        |    |         |                   |                |                |           |
| 18.<br>N-S | PKS               | 06        | 41        | 12 |         |                   |                | 108°           |           |
|            | e                 |           | 45        | 38 |         |                   |                | 12000          |           |
|            | e                 |           | 49        | 45 |         |                   |                |                |           |
|            | F                 | 07        | 00        |    |         |                   |                |                |           |
| E-W        | PKS               | 06        | 41        | 12 |         |                   |                |                |           |
|            | SKS               |           | 44        | 12 |         |                   |                |                |           |
|            | ePS               |           | 47        | 44 |         |                   |                |                |           |
|            | ePPS              |           | 48        | 40 |         |                   |                |                |           |
|            | e                 |           | 49        | 28 |         |                   |                |                |           |
|            | F                 | 07        | 00        |    |         |                   |                |                |           |
| 21.<br>N-S | P                 | 15        | 41        | 01 |         |                   |                | 47°            |           |
|            | eP <sub>C</sub> P |           | 42        | 12 |         |                   |                | 5220           |           |
|            | PP                |           |           | 45 |         |                   |                |                |           |
|            | S                 |           | 47        | 35 |         |                   |                |                |           |
|            | e                 |           | 48        | 29 |         |                   |                |                |           |
|            | e                 |           | 49        | 19 |         |                   |                |                |           |

| 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 <sub>N</sub>    | A <sub>E</sub> | A <sub>Z</sub> |           |
| E-W        | P     | 15                        | 41   | 01 |              |                   |                |                |           |
|            | PP    |                           | 42   | 50 |              |                   |                |                |           |
|            | PS    |                           | 47   | 51 |              |                   |                |                |           |
|            | e     |                           | 48   | 35 |              |                   |                |                |           |
| 22.<br>N-S | e     | 03                        | 35   | 45 |              |                   |                | 10,09          |           |
|            | F     |                           | 41   |    |              |                   |                |                |           |
| E-W        | e     | 03                        | 35   | 23 |              |                   |                |                |           |
|            | e     |                           |      | 50 |              |                   |                |                |           |
|            | F     |                           | 41   |    |              |                   |                |                |           |
| 30.<br>N-S | eP    | 05                        | 43   | 40 |              |                   |                |                |           |
|            | PPP   |                           | 44   | 02 |              |                   |                |                |           |
|            | e     |                           |      | 44 |              |                   |                |                |           |
|            | e     |                           | 47   | 24 |              |                   |                |                |           |
|            | PcP   |                           | 49   | 25 |              |                   |                |                |           |
|            | L     |                           | 50,5 |    |              |                   |                |                |           |
|            | F     |                           | 57   |    |              |                   |                |                |           |
| E-W        | PPP   | 05                        | 44   | 06 |              |                   |                |                |           |
|            | eS    |                           | 45   | 31 |              |                   |                |                |           |
|            | e     |                           | 47   | 12 |              |                   |                |                |           |
|            | eL    |                           | 50,5 |    |              |                   |                |                |           |
|            | F     |                           | 57   |    |              |                   |                |                |           |

K A L O C S A.

Longitude: 18° 58' 35"  
 Latitude: 46° 31' 43"  
 Altitude: 98 m.  
 Sous-sol: Sédiment friable  
 alluvial  
 Instrument: Pendule Wiechert Horizontal  
 /Masse: 200 kg./

|   | V  | T <sub>0</sub> | ξ:1 | $\frac{r}{T_0^2}$ |
|---|----|----------------|-----|-------------------|
| N | 91 | 2,9            | 4,8 | 0,0273            |
| E | 92 | 3,0            | 4,4 | 0,0252            |

Septembre. 1956

| Date       | Phase    | Heure de Greenwich |    |    | Période<br>s | Amplitude           |                     |         | Remarques |
|------------|----------|--------------------|----|----|--------------|---------------------|---------------------|---------|-----------|
|            |          | h                  | m  | s  |              | A <sub>N</sub><br>μ | A <sub>E</sub><br>μ | Δ<br>km |           |
| 5.<br>N-S  | e        | 14                 | 12 | 40 |              |                     |                     |         |           |
|            | e        |                    | 13 | 11 |              |                     |                     |         |           |
|            | L<br>F   |                    | 22 | 20 |              |                     |                     |         |           |
| E-W        | e        | 14                 | 12 | 43 |              |                     |                     |         |           |
|            | e        |                    | 13 |    |              |                     |                     |         |           |
|            | L<br>F   |                    | 22 | 16 |              |                     |                     |         |           |
| 6.<br>N-S  | eP       | 11                 | 49 | 34 |              |                     | 11,08               |         |           |
|            | e        |                    | 53 | 20 |              |                     | 1310                |         |           |
|            | e        |                    | 54 | 25 |              |                     |                     |         |           |
|            | PcP<br>F | 12                 | 02 | 23 |              |                     |                     |         |           |
| E-W        | eP       | 11                 | 49 | 31 |              |                     |                     |         |           |
|            | SS       |                    | 52 |    |              |                     |                     |         |           |
|            | e<br>F   | 12                 | 04 |    |              |                     |                     |         |           |
| 13.<br>N-S | e        | 14                 | 49 | 00 |              |                     |                     |         |           |
|            | L        |                    | 50 | 20 |              |                     |                     |         |           |
|            | F        |                    | 57 |    |              |                     |                     |         |           |
| E-W        | e        | 14                 | 49 | 00 |              |                     |                     |         |           |
|            | e        |                    | 50 | 00 |              |                     |                     |         |           |
|            | L<br>F   |                    | 57 | 12 |              |                     |                     |         |           |
| 16.<br>N-S | F        | 08                 | 45 | 00 |              |                     | 39,08               |         |           |
|            | PP       |                    | 46 | 12 |              |                     | 4420                |         |           |
|            | e        |                    | 47 | 37 |              |                     |                     |         |           |
|            | SSS      |                    | 54 | 22 |              |                     |                     |         |           |
|            | eL       | 09                 | 04 |    |              |                     |                     |         |           |

| 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 <sub>N</sub>    | A <sub>E</sub> | Δ     |                |
|      |       | h         | m         | s  | s             | μ                 | μ              | km    |                |
| E-W  | eP    | 08        | 45        | 04 |               |                   |                |       |                |
|      | e     |           |           | 45 |               |                   |                |       |                |
|      | e     |           | 46        | 24 |               |                   |                |       |                |
|      | S     |           | 50        | 40 |               |                   |                |       |                |
|      | eL    | 09        | 05,5      |    |               |                   |                |       |                |
| 20.  | eP    | 22        | 03        | 54 |               |                   |                | 76,02 | Traces         |
|      |       |           |           |    |               |                   |                | 8470  |                |
| 22.  | eP    | 03        | 22        | 06 |               |                   |                |       |                |
| N-S  | e     |           |           | 54 |               |                   |                |       |                |
|      | e     |           | 23        |    |               |                   |                |       |                |
| E-W  | e     | 03        | 22        | 32 |               |                   |                |       |                |
|      | e     |           |           | 54 |               |                   |                |       |                |
|      | e     |           | 23        | 06 |               |                   |                |       |                |
| 25.  | e     | 20        | 48        | 00 |               |                   |                |       | Proche, Faible |
| N-S  | eL    |           |           | 50 |               |                   |                |       |                |
|      | F     |           | 53        |    |               |                   |                |       |                |
| E-W  | e     | 20        | 48        | 10 |               |                   |                |       |                |
|      | e     |           |           | 46 |               |                   |                |       |                |
|      | eL ?  |           | 49        | 20 |               |                   |                |       |                |
|      | F     |           | 53        |    |               |                   |                |       |                |
| 27.  | e     | 01        | 00        | 28 |               |                   |                |       |                |
| N-S  | e     |           | 01        | 15 |               |                   |                |       |                |
|      | F     |           | 05        |    |               |                   |                |       |                |
| E-W  | e     | 01        | 00        | 44 |               |                   |                |       |                |
|      | e     |           | 01        | 12 |               |                   |                |       |                |
|      | F     |           | 05        |    |               |                   |                |       |                |
| 29.  | eP    | 23        | 33        | 16 |               |                   |                |       |                |
| N-S  | e     |           | 36        | 22 |               |                   |                |       |                |
|      | F     |           | 42        |    |               |                   |                |       |                |
| E-W  | eP    | 23        | 33        | 12 |               |                   |                |       |                |
|      | e     |           | 36        | 22 |               |                   |                |       |                |
|      | F     |           | 42        |    |               |                   |                |       |                |



|   | V  | $T_0$ | :1  | $\frac{r}{T_0^2}$ |
|---|----|-------|-----|-------------------|
| N | 91 | 2,9   | 4,8 | 0,0273            |
| E | 92 | 3,0   | 4,4 | 0,0252            |

Octobre.

| 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  |              | $A_N$<br>$\mu$    | $A_E$<br>$\mu$ | $\Delta$<br>km |           |
| 1.   | N-S   | 23                        | 24   | 53 |              |                   |                |                | Faible    |
|      | F     |                           | 27,5 |    |              |                   |                |                |           |
| E-W  | eP    | 23                        | 24   | 50 |              |                   |                |                |           |
|      | F     |                           | 27,5 |    |              |                   |                |                |           |
| 11.  | N-S   | 02                        | 36   | 28 |              |                   |                | 78,°1          |           |
|      | PcP   |                           |      | 39 |              |                   |                | 8680           |           |
|      | S     |                           | 46   | 13 |              |                   |                |                |           |
|      | eSKS  |                           |      | 31 |              |                   |                |                |           |
|      | ScS   |                           |      | 42 |              |                   |                |                |           |
|      | PPS   |                           | 47   | 32 |              |                   |                |                |           |
|      | L     | 03                        | 04   |    |              |                   |                |                |           |
|      | F     |                           | 28   |    |              |                   |                |                |           |
| E-W  | iP    | 02                        | 36   | 29 |              |                   |                |                |           |
|      | PcP   |                           |      | 39 |              |                   |                |                |           |
|      | PP    |                           | 39   | 31 |              |                   |                |                |           |
|      | PPP   |                           | 41   | 09 |              |                   |                |                |           |
|      | S     |                           | 46   | 10 |              |                   |                |                |           |
|      | SKS   |                           |      | 41 |              |                   |                |                |           |
|      | e     |                           | 47   | 35 |              |                   |                |                |           |
|      | L     | 03                        | 05   |    |              |                   |                |                |           |
|      | F     |                           | 23   |    |              |                   |                |                |           |
| 19.  | N-S   | 21                        | 00   |    |              |                   |                | 79,°7          |           |
|      | ePcP  |                           | 02   | 53 |              |                   |                | 8850           |           |
| E-W  | ePcP  | 21                        | 00   |    |              |                   |                |                |           |
| 23.  | N-S   | 08                        | 54   | 10 |              |                   |                | 88°            |           |
|      | e     |                           | 58   | 20 |              |                   |                | 9780           |           |
| E-W  | P     | 08                        | 54   | 10 |              |                   |                |                |           |
|      | e     |                           | 55   | 00 |              |                   |                |                |           |
|      | e     |                           | 58   | 41 |              |                   |                |                |           |
| 24.  | N-S   | 13                        | 56   | 00 |              |                   |                | 92°            | Traces    |
|      | ePP   |                           | 58   | 30 |              |                   |                | 10220          |           |
|      | eL    | 14                        | 31   |    |              |                   |                |                |           |
|      | F     |                           | 50   |    |              |                   |                |                |           |

