

Кем отсчитано  
Кем проверено

Гейко  
Гейко

ЕЖЕЧАСНЫЕ ЗНАЧЕНИЯ  
ВЕРТИКАЛЬНОГО ИОНОСФЕРНОГО ЗОНДИРОВАНИЯ

Дата 2 августа 1972 г.  
Станция Караганда

| Зона | f-мин. |           |              | F-область                     |                      |           |              |                  |           |              |                               |                      |                       | E-область    |                  |           |              |         |           |              |                               |                               |           | Примечание |              |                  |           |              |                    |
|------|--------|-----------|--------------|-------------------------------|----------------------|-----------|--------------|------------------|-----------|--------------|-------------------------------|----------------------|-----------------------|--------------|------------------|-----------|--------------|---------|-----------|--------------|-------------------------------|-------------------------------|-----------|------------|--------------|------------------|-----------|--------------|--------------------|
|      | f-мин. | оценочный | описательный | f <sub>o</sub> F <sub>2</sub> | F <sub>2</sub> M3000 | оценочный | описательный | h'F <sub>2</sub> | оценочный | описательный | f <sub>o</sub> F <sub>1</sub> | F <sub>1</sub> M3000 | оценочный             | описательный | f <sub>o</sub> E | оценочный | описательный | h'E     | оценочный | описательный | f <sub>o</sub> E <sub>s</sub> | f <sub>o</sub> E <sub>s</sub> | оценочный |            | описательный | h'E <sub>s</sub> | оценочный | описательный | Тип E <sub>s</sub> |
| 00   | 010    |           |              |                               |                      |           |              |                  |           | 240 E A      |                               |                      |                       |              |                  |           |              |         |           |              | 012 013                       |                               |           | 105        |              |                  | f1        |              | S                  |
| 01   | 012    |           |              | 062                           | 285 U                | S         |              |                  |           | 235 E B      |                               |                      |                       |              |                  |           |              |         |           |              | 012 012                       | E B                           |           |            | B            |                  |           | 335 US       |                    |
| 02   | 011    |           |              | 056                           | 280 U                | S         |              |                  |           | 250 E B      |                               |                      |                       |              |                  |           |              |         |           |              | 011 011                       | E B                           |           |            | B            |                  |           | 355 US       |                    |
| 03   | 010    |           |              | 050                           | 280                  |           |              |                  |           | 255 E E      |                               |                      |                       |              |                  |           | E            |         |           |              | E G                           |                               |           | G          |              |                  |           | 350          |                    |
| 04   | 010    |           |              | 050                           | 275                  |           |              |                  |           | 275          |                               |                      |                       |              |                  |           | E            |         |           |              | E G 022                       |                               |           | 105        |              |                  | L1        | 360          |                    |
| 05   | 010    |           |              | 052                           | 290 U                | S         |              |                  |           | 255          |                               |                      |                       | 195          | H                | 105       | H            | G       |           |              | G                             |                               |           | G          |              |                  |           | 330 US       |                    |
| 06   | 010    |           |              | 057                           | 290                  |           |              | L                | 240 E A   |              |                               | L                    |                       |              | A                | 105       |              |         |           |              | 026 026                       |                               |           | 150 E G    |              | C1               |           | 325          |                    |
| 07   | 010    |           |              | 068                           | 300 U                | S         | 290          |                  |           | 225          |                               | L                    |                       |              | A                | 105       |              |         |           |              | 030 032                       |                               |           | 145 E G    |              | C1               |           | 305 US       |                    |
| 08   | 011    |           |              | 070                           | 290                  |           | 310 U        | L                | 230 E A   |              |                               | L                    |                       |              | A                | 105       |              |         |           |              | 037 037                       |                               |           | 125        |              |                  | C2        |              | 325                |
| 09   | 040    |           |              | 082                           | 285                  |           | 305          |                  |           |              |                               | E                    |                       |              | A                |           | B            | A       | 049       |              |                               |                               |           | 125        |              |                  | C1        |              | 340                |
| 10   | 041    |           |              | 083                           | 285                  |           | 310          |                  |           |              |                               | A                    |                       |              | A                |           | B            | 050 051 |           |              |                               |                               |           | 120        |              |                  | C1        |              | 340                |
| 11   | 040    |           |              | 087                           | 280                  |           | 325 E        | G                | 340 E A   | 051          | A                             | U                    | L                     |              | A                |           | B            | 047 048 |           |              |                               |                               |           | 120        |              |                  | C1        |              | 350                |
| 12   | 040    |           |              | 086                           | 280                  |           | 325          |                  |           | 240          |                               | 054                  | U                     | L            |                  | A         |              | B       | 042 046   |              |                               |                               |           | 115        |              |                  | C1        |              | 345                |
| 13   | 030    |           |              | 084                           | 285                  |           | 330          |                  |           | 220          |                               | 052                  | <del>180</del><br>345 |              |                  | A         | 105 I        | B       | 040 044   |              |                               |                               |           | 115        |              |                  | C1        |              | 335                |
| 14   | 021    |           |              | 080                           | 280                  |           | 325          |                  |           | 220          |                               | 050                  | U                     | L            |                  | A         | 105          |         |           |              | 038 042                       | Y X                           |           | 110        |              |                  | C1        |              | 350                |
| 15   | 018    |           |              | 077                           | 285                  |           | 305          |                  |           | 220 E A      | 050                           | A                    |                       |              | A                | 105       |              |         |           |              | 037 037                       |                               |           | 110        |              |                  | C1        |              | 340                |
| 16   | 018    |           |              | 075                           | 285                  |           | 310          |                  |           | 225          |                               |                      |                       | L            |                  | A         | 105          |         |           |              | 035 035                       |                               |           | 105        |              |                  | C2        |              | 340                |
| 17   | 012    |           |              | 075                           | 290                  |           | 300          |                  |           | 230          |                               |                      |                       | L            | 300              |           | 105          |         |           |              | 080 032                       |                               |           | 130 E G    |              |                  | C1        |              | 330                |
| 18   | 010    |           |              | 075                           | 290                  |           | 280          |                  |           | 245          |                               |                      |                       | L            | 265              |           | 105          |         |           |              | G 022                         |                               | G         | 105        |              |                  | L1        |              | 325                |
| 19   | 010    |           |              | 075                           | 300 U                | S         |              |                  |           | 245          |                               |                      |                       |              | 210              |           |              |         |           |              | A 019 022                     |                               |           | 105        |              |                  | L1        |              | 310 US             |
| 20   | 010    |           |              | 070                           | 300                  |           |              |                  |           | 235          |                               |                      |                       |              | A                |           |              |         |           |              | A 017 020                     |                               |           | 105        |              |                  | L2        |              | 310                |
| 21   | 010    |           |              |                               |                      |           | S            |                  |           | 250          | E E                           |                      |                       |              |                  |           |              |         |           |              | E 013                         |                               |           | 105        |              |                  | f1        |              | S                  |
| 22   | 010    |           |              | 073                           | 280 Y                | S         |              |                  |           | 255          | E A                           |                      |                       |              |                  |           |              |         |           |              | 015 015                       |                               |           | 120        |              |                  | f1        |              | 350 US             |
| 23   | 010    |           |              |                               |                      |           | A            |                  |           |              |                               |                      |                       |              |                  |           |              |         |           |              | A 049                         |                               |           | 115        |              |                  | f2        |              | A                  |

В 5<sup>15</sup>. 5<sup>45</sup> нет кадров, не включена ф/камера.

В 6<sup>04</sup> - сней часовое

Кем отсчитано

Кем проверено

Шустовой  
ТейкоЕЖЕЧАСНЫЕ ЗНАЧЕНИЯ  
ВЕРТИКАЛЬНОГО ИОНОСФЕРНОГО ЗОНДИРОВАНИЯ

Дата

Завуея 1972 г

Станция

Капаранга

| Зона | f-мин. |           |              | F-область |          |           |              |      |           |              |     |           |              | E-область |          |           |              |     |           |              |     |           |              | Примечание | F2   |      |           |              |      |           |              |        |     |
|------|--------|-----------|--------------|-----------|----------|-----------|--------------|------|-----------|--------------|-----|-----------|--------------|-----------|----------|-----------|--------------|-----|-----------|--------------|-----|-----------|--------------|------------|------|------|-----------|--------------|------|-----------|--------------|--------|-----|
|      | f-мин. | оценочный | описательный | foF2      | F2 Миним | оценочный | описательный | h'F2 | оценочный | описательный | h'F | оценочный | описательный | foF1      | F1 Миним | оценочный | описательный | foE | оценочный | описательный | h'E | оценочный | описательный |            | h'Es | foEs | оценочный | описательный | h'Es | оценочный | описательный | Тип Es | f/p |
| 00   | 011    |           |              | 060       | 240      |           |              |      |           |              | 310 | E         | A            |           |          |           |              |     |           |              |     |           |              | 039        | 049  |      | 110       |              | f2   |           | 365          |        |     |
| 01   | 011    |           |              | 060       | 240      |           |              |      |           |              | 285 | E         | A            |           |          |           |              |     |           |              |     |           |              | 040        | 030  |      | 110       |              | f3   |           | 365          |        |     |
| 02   | 010    |           |              | 059       | 280      |           |              |      |           |              | 255 | E         | E            |           |          |           |              |     |           |              | E   |           |              | E          | G    |      | G         |              | G    |           | 355          |        |     |
| 03   | 010    |           |              | 055       | 285      | U         | S            |      |           |              | 255 | E         | A            |           |          |           |              |     |           |              |     |           | 013          | 013        |      | 105  |           | f2           |      | 340       | US           |        |     |
| 04   | 010    |           |              | 054       | 280      | U         | S            |      |           |              | 250 | E         | A            |           |          |           |              |     |           |              | A   |           |              | A          | 012  | 017  |           | 105          |      | L2        |              | 350    | US  |
| 05   | 010    |           |              | 065       |          | I         | S            |      |           |              | 255 |           |              |           |          |           |              | 180 |           |              | H   | 115       |              | H          | G    |      | G         |              | G    |           |              | S      |     |
| 06   | 010    |           |              | 073       | 295      | U         | S            | 245  |           |              | 235 |           |              |           |          |           | L            | 250 | I         | A            | 110 |           | 026          | 026        |      | 140  | E         | G            | C2   |           | 320          | US     |     |
| 07   | 011    |           |              | 080       | 280      |           |              | 290  |           |              | 220 |           |              |           |          |           | L            |     |           | A            | 105 |           | 032          | 032        |      | 130  | E         | G            | C2   |           | 350          |        |     |
| 08   | 011    |           |              | 083       | 290      |           |              | 275  | U         | L            | 230 |           |              |           |          |           | L            |     |           | A            | 105 |           | 032          | 033        |      | 160  | E         | G            | C1   |           | 330          |        |     |
| 09   | 011    |           |              | 087       | 300      | J         | R            | 280  |           |              | 210 |           |              | 047       |          | U         | L            |     |           | A            | 100 |           | 036          | 036        | D    | R    | 140       | E            | G    | C1        |              | 310    | JR  |
| 10   | 010    |           |              | 089       | 285      |           |              | 285  |           |              | 200 |           |              | 050       |          | U         | L            |     |           | A            | 100 |           | 037          | 037        |      | 130  | E         | G            | C1   |           | 340          |        |     |
| 11   | 010    |           |              | 090       | 290      |           |              | 305  | U         | L            | 195 |           |              | 051       |          |           |              |     |           | A            | 100 |           | 038          | 043        | Y    | X    | 120       |              | C1   |           | 330          |        |     |
| 12   | 010    |           |              | 090       | 280      |           |              | 305  |           |              | 220 |           |              | 051       |          |           |              |     |           | A            | 100 |           | 038          | 044        |      | 125  |           | C1           |      | 345       |              |        |     |
| 13   | 010    |           |              | 083       | 295      |           |              | 305  |           |              | 195 |           |              | 050       |          | U         | L            | 365 |           |              | 100 |           | G            |            |      | G    |           | G            |      |           | 320          |        |     |
| 14   | 010    |           |              | 080       | 285      |           |              | 315  |           |              | 225 | E         | A            | 050       |          | A         | U            | L   |           |              | A   | 100       |              | 040        | 043  |      | 130       | E            | G    | C2        |              | 335    |     |
| 15   | 010    |           |              | 074       | 280      |           |              | 290  |           |              | 225 | E         | A            |           |          |           | L            |     |           | A            | 100 |           | 038          | 050        | J    | X    | 125       |              | C3   |           | 345          |        |     |
| 16   | 010    |           |              | 074       | 280      |           |              | 305  |           |              | 295 | E         | A            | 044       |          | A         | U            | L   |           |              | A   | 105       |              | 042        | 043  |      | 115       |              | C2   |           | 345          |        |     |
| 17   | 010    |           |              | 083       | 300      | J         | R            | 280  |           |              | 235 |           |              | 044       |          | U         | L            |     |           | A            | 105 |           | 035          | 035        | D    | R    | 125       |              | C2   |           | 310          | JR     |     |
| 18   | 010    |           |              | 079       | 300      |           |              |      |           |              | 275 | E         | A            |           |          |           |              |     |           | A            | 110 |           | 039          | 044        |      | 120  |           | C3           |      | 305       |              |        |     |
| 19   | 010    |           |              | 080       | 300      |           |              |      |           |              | 240 |           |              |           |          |           |              |     |           | A            | 115 | E         | E            | 030        | 034  | J    | X         | 115          |      | C3        |              | 305    |     |
| 20   | 010    |           |              | 080       | 300      |           |              |      |           |              | 255 | E         | A            |           |          |           |              |     |           | A            |     |           | E            | 038        | 045  | J    | X         | 120          |      | C3        |              | 305    |     |
| 21   | 010    |           |              | 080       | 285      | J         | S            |      |           |              | 270 | E         | A            |           |          |           |              |     |           |              |     |           | 030          | 048        |      | 115  |           | f1           |      | 335       | JS           |        |     |
| 22   | 010    |           |              | 075       | 295      | J         | S            |      |           |              | 240 | E         | A            |           |          |           |              |     |           |              |     |           | 020          | 026        |      | 115  |           | f1           |      | 315       | JS           |        |     |
| 23   | 010    |           |              | 066       |          | I         | S            |      |           |              | 290 | E         | A            |           |          |           |              |     |           |              |     |           | 038          | 040        | J    | X    | 110       |              | f2   |           |              | S      |     |

Зондирующий свет в 5<sup>15</sup>  
 в 7<sup>15</sup> не включена ф/камера "с"  
 в 8<sup>15</sup> 8<sup>45</sup> нет кадров "с"  
 часовая съемка в 14<sup>15</sup>

| Зона | f-мин. |           |              | F-область |          |           |              |      |           |              |     |           |              | E-область |              |           |              |     |           |              |     |           |              | Примечание | F2    |      |           |              |      |           |              |        |     |       |
|------|--------|-----------|--------------|-----------|----------|-----------|--------------|------|-----------|--------------|-----|-----------|--------------|-----------|--------------|-----------|--------------|-----|-----------|--------------|-----|-----------|--------------|------------|-------|------|-----------|--------------|------|-----------|--------------|--------|-----|-------|
|      | f-мин. | оценочный | описательный | foF2      | F2 M3000 | оценочный | описательный | h'F2 | оценочный | описательный | h'F | оценочный | описательный | foF1      | F1 M3000     | оценочный | описательный | foE | оценочный | описательный | h'E | оценочный | описательный |            | h'E s | foEs | оценочный | описательный | h'Es | оценочный | описательный | Typ Es | h/n | б.об. |
| 00   | 010    |           |              | 060       | 270      |           |              |      |           |              | 300 | E A       |              |           |              |           |              |     |           |              |     |           |              |            | 030   | 030  |           | 105          | f2   |           | 370          |        |     |       |
| 01   | 010    |           |              | 058       |          | I S       |              |      |           |              | 325 | E A       |              |           |              |           |              |     |           |              |     |           |              |            |       | 040  | 048       |              | 115  | f2        |              |        | S   |       |
| 02   | 010    |           |              | 054       | 290      |           |              |      |           |              | 290 | E A       |              |           |              |           |              |     |           |              |     |           |              |            |       | 030  | 050       | J X          | 110  | f3        |              | 330    |     |       |
| 03   | 010    |           |              | 054       | 285      | U S       |              |      |           |              | 295 | E E       |              |           |              |           |              |     |           |              |     |           |              |            |       | E    | 025       |              | 120  | f1        |              | 380    | US  |       |
| 04   | 010    |           |              | 053       | 280      | U S       |              |      |           |              | 270 | E A       |              |           |              |           |              |     |           |              |     |           |              |            |       | 015  | 026       | J X          | 105  | f3        |              | 355    | US  |       |
| 05   | 010    |           |              | 057       | 290      |           |              |      |           |              | 265 | E A       |              |           |              |           |              | A   |           |              |     |           |              |            |       | A    | 020       | 036          | J X  | 105       | e2           |        | 330 |       |
| 06   | 010    |           |              | 066       | 300      | J S       | 290          |      |           |              | 235 |           | 040          |           | U L          |           |              | A   | 105       |              |     |           |              |            |       | 025  | 025       |              | 130  | C2        |              | 310    | JS  |       |
| 07   | 010    |           |              | 043       | 300      | J S       | 270          |      |           |              | 245 | E A       | 043          |           | U L          |           |              | A   | 100       |              |     |           |              |            |       | 037  | 038       |              | 120  | C3        |              | 310    | JS  |       |
| 08   | 010    |           |              | 047       | 285      |           |              | 310  | E f       |              | 345 | E A       | 046          |           | A            |           |              | A   | 100       |              |     |           |              |            |       | 045  | 048       | J X          | 110  | C3        |              | 335    |     |       |
| 09   | 010    |           |              | 040       | 260      |           |              | 385  |           |              |     |           | A            | 047       |              | I A       |              | A   | 100       |              |     |           |              |            |       | 052  | 058       | J X          | 105  | C4        |              | 400    |     |       |
| 10   | 010    |           |              | 083       | 235      |           |              | 440  |           |              |     |           | A            | 049       |              | I A       |              | A   | 100       |              |     |           |              |            |       | 050  | 093       | J X          | 105  | C2        |              | 470    |     |       |
| 11   | 010    |           |              | 097       | 280      |           |              | 405  |           |              | 250 | E A       | 050          |           | A            |           |              | A   | 100       |              |     |           |              |            |       | 042  | 057       |              | 110  | C2        |              | 450    |     |       |
| 12   |        | C         |              | 101       |          | I C       |              |      |           |              |     |           | C            | 050       |              | I C       |              |     | C         |              |     |           |              |            |       |      |           |              |      | C         |              |        |     | C     |
| 13   | 038    |           |              | 10.1      | 280      |           |              | 305  |           |              | 265 | E A       | 050          |           | <del>A</del> |           |              | A   |           |              |     |           |              |            |       | B    | 042       | 043          |      | 110       | C1           |        | 350 |       |
| 14   | 032    |           |              | 087       | 285      |           |              | 330  |           |              | 240 |           | 050          |           | <del>A</del> |           |              | A   |           |              |     |           |              |            |       | B    | 038       | 040          |      | 105       | C1           |        | 340 |       |
| 15   | 020    |           |              | 070       |          | I R       | 450          |      |           |              | 245 | E A       | 048          |           | <del>A</del> |           |              | A   | 105       |              |     |           |              |            |       | 040  | 050       |              | 105  | C2        |              |        | R   |       |
| 16   | 016    |           |              | 067       | 260      | J R       | 385          |      |           |              | 250 | E A       | 048          |           |              | U L       |              | A   | 105       |              |     |           |              |            |       | 038  | 044       |              | 105  | C2        |              | 400    | JR  |       |
| 17   | 012    |           |              | 067       | 265      | J S       | 355          |      |           |              | 255 |           | 042          |           |              | U L       | 300          |     |           | 105          |     |           |              |            |       |      |           |              |      |           |              | 385    | JS  |       |
| 18   | 010    |           |              | 040       | 285      |           |              | 310  |           |              | 255 |           | 039          |           |              | U L       |              | A   | 105       |              |     |           |              |            |       | 027  | 027       |              | 145  | E f       | C1           |        | 340 |       |
| 19   | 010    |           |              | 060       | 260      |           |              |      |           |              | 350 |           |              |           |              |           |              | A   | 105       |              |     |           |              |            |       | 035  | 050       |              | 120  | C3        |              | 395    |     |       |
| 20   | 010    |           |              | 060       |          | I A       |              |      |           |              |     |           | A            |           |              |           |              |     |           |              |     |           |              |            |       | A    | 11.6      |              | 110  | f2        |              |        | A   |       |
| 21   | 010    |           |              | 057       |          | I S       |              |      |           |              | 355 | E A       |              |           |              |           |              |     |           |              |     |           |              |            |       | 046  | 059       |              | 110  | f3        |              |        | S   |       |
| 22   | 010    |           |              | 053       |          | I S       |              |      |           |              | 285 | E A       |              |           |              |           |              |     |           |              |     |           |              |            |       | 021  | 023       |              | 110  | f2        |              |        | S   |       |
| 23   | 010    |           |              |           |          | S         |              |      |           |              | 280 | E A       |              |           |              |           |              |     |           |              |     |           |              |            |       | 021  | 024       |              | 110  | f1        |              |        | S   |       |

C 10<sub>2</sub>-12<sup>45</sup> не переключено на 18 МГц.  
 B 11<sup>30</sup> 12<sup>45</sup> "C" несправность аппаратуры.





Кем отсчитано  
Кем проверено

Дужесаровой  
Тейко

ЕЖЕЧАСНЫЕ ЗНАЧЕНИЯ  
ВЕРТИКАЛЬНОГО ИОНОСФЕРНОГО ЗОНДИРОВАНИЯ

Дата  
Станция

7 августа 1972 г  
Караганда

| Зона | f-мин. |           |              | F-область |          |           |              |     |           |              |      |          |           | E-область      |                |           |              |     |           |              |      |     |           | Промежуток | F2           |      |           |              |     |     |            |     |     |     |    |
|------|--------|-----------|--------------|-----------|----------|-----------|--------------|-----|-----------|--------------|------|----------|-----------|----------------|----------------|-----------|--------------|-----|-----------|--------------|------|-----|-----------|------------|--------------|------|-----------|--------------|-----|-----|------------|-----|-----|-----|----|
|      | f-мин. | оценочный | описательный | foF2      | F2 M3000 | оценочный | описательный | h'F | оценочный | описательный | foF1 | F1 M3000 | оценочный | описательный   | foE            | оценочный | описательный | h'E | оценочный | описательный | foEs | Es  | оценочный |            | описательный | h'Es | оценочный | описательный | Typ | Es  | Промежуток | h/p | δ/ω |     |    |
| 00   | 010    |           |              | 047       | 260      | V         | S            |     |           | 290          | E    | E        |           |                |                |           |              |     |           |              | E    |     | E         |            | E            |      |           |              |     |     | 395        | US  |     |     |    |
| 01   | 010    |           |              | 046       | 265      |           |              |     |           | 285          | E    | E        |           |                |                |           |              |     |           |              | E    |     | E         |            | E            |      |           |              |     |     | 380        |     |     |     |    |
| 02   | 010    |           |              | 043       | 265      | J         | S            |     |           | 285          | E    | A        |           |                |                |           |              |     |           |              | 015  | 015 |           | 115        |              | J1   |           |              |     | 375 | JS         |     |     |     |    |
| 03   | 011    |           |              | 043       | 245      |           |              |     |           | 280          | E    | B        |           |                |                |           |              |     |           |              | 011  | 011 | E         | B          |              | B    |           |              |     |     | 360        |     |     |     |    |
| 04   | 010    |           |              | 036       | 265      | J         | S            |     |           | 280          | E    | E        |           |                |                |           | E            |     |           |              | E    | G   |           | G          |              | G    |           |              |     |     | 385        | JS  |     |     |    |
| 05   | 010    |           |              | 040       | 290      |           |              |     |           | 255          |      |          |           |                | 190            | A         | 115          |     |           |              | H    | G   |           | G          |              | G    |           |              |     |     | 325        |     |     |     |    |
| 06   | 011    |           |              | 050       | 280      |           |              |     |           | 240          | E    | A        |           |                |                |           | A            | 110 |           |              | 028  | 028 |           | 120        |              | C3   |           |              |     |     | 350        |     |     |     |    |
| 07   | 010    |           |              | 057       | 295      |           |              |     | L         | 235          |      |          |           |                |                |           | A            | 110 |           |              | 027  | 031 |           | 120        |              | C1   |           |              |     |     | 315        |     |     |     |    |
| 08   | 019    |           |              | 085       |          | I         | R            | 310 |           | 240          | E    | A        | 045       | A              | U              | L         |              | A   | 110       |              | 038  | 053 |           | 110        |              | C3   |           |              |     |     |            | R   |     |     |    |
| 09   | 039    |           |              | 069       | 290      |           |              | 300 |           | 230          | E    | A        |           |                |                |           | A            | 105 | I         | B            | G    |     | G         |            | G            |      |           |              |     |     |            | 325 |     |     |    |
| 10   | 013    |           |              | 077       | 295      |           |              | 295 |           | 200          |      |          | 050       |                | U              | L         |              | A   | 105       |              | 036  | 041 |           | 130        | E            | G    | C1        |              |     |     |            | 320 |     |     |    |
| 11   | 010    |           |              | 083       | 280      |           |              | 335 |           | 195          |      |          | 050       | <del>185</del> | <del>310</del> |           |              | A   | 100       |              | 037  | 041 |           | 110        |              | C1   |           |              |     |     |            | 350 |     |     |    |
| 12   | 010    |           |              | 093       | 285      |           |              | 305 |           | 195          |      |          | 050       | <del>185</del> | <del>310</del> |           |              | A   | 100       |              | 036  | 044 |           | 110        |              | C1   |           |              |     |     |            |     | 340 |     |    |
| 13   | 010    |           |              | 093       | 295      | V         | R            | 280 |           | 220          |      |          | 050       | <del>185</del> | <del>310</del> |           | 360          | I   | A         | 100          | 036  | 041 |           | 120        |              | C1   |           |              |     |     |            | 320 | SR  |     |    |
| 14   | 013    |           |              | 089       | 305      |           |              | 280 |           | 205          |      |          | 049       |                | U              | L         | 350          | I   | A         | 105          | 035  | 040 |           | 180        | E            | G    | C1        |              |     |     |            | 300 |     |     |    |
| 15   | 011    |           |              | 077       | 300      |           |              | 280 |           | 200          |      |          | 047       |                | U              | L         | 340          |     | 105       |              | 034  | 040 |           | 115        |              | C1   |           |              |     |     |            |     | 305 |     |    |
| 16   | 010    |           |              | 044       | 285      |           |              | 255 |           | 230          |      |          |           |                | L              | 325       | I            | A   | 105       | 034          | 034  | Q   | R         | 200        | E            | G    | C1        | h1           |     |     |            |     | 335 |     |    |
| 17   | 010    |           |              | 080       | 300      |           |              | 285 |           | 235          |      |          |           |                | L              | 300       | I            | A   | 105       | 032          | 032  |     | 145       | E          | G            | C2   |           |              |     |     |            |     | 310 |     |    |
| 18   | 012    |           |              | 080       | 305      |           |              | 240 |           | 245          |      |          |           |                | L              | 250       |              | 115 |           |              | 030  | 030 |           | 130        | E            | G    | C1        |              |     |     |            |     | 300 |     |    |
| 19   | 012    |           |              | 084       | 300      |           |              |     |           | 260          |      |          |           |                |                | 195       | I            | A   |           |              | B    | 028 | 022       |            | 120          |      | C2        |              |     |     |            |     | 310 |     |    |
| 20   | 010    |           |              | 090       | 300      |           |              |     |           | 235          |      |          |           |                |                | 140       | I            | A   |           |              | A    | 014 | 014       |            | 120          |      | C1        |              |     |     |            |     |     | 310 |    |
| 21   | 010    |           |              | 083       | 300      |           |              |     |           | 230          | E    | E        |           |                |                |           |              |     |           |              | E    |     |           | E          |              | E    |           |              |     |     |            |     |     | 310 |    |
| 22   | 010    |           |              | 073       | 290      | J         | S            |     |           | 230          | E    | E        |           |                |                |           |              |     |           |              | E    |     |           | E          |              | E    |           |              |     |     |            |     |     | 330 | JS |
| 23   | 017    |           |              |           |          |           | S            |     |           | 240          | E    | B        |           |                |                |           |              |     |           |              | E    | A   | B         | 017        | E            | B    |           | B            |     |     |            |     |     |     | S  |

с 10<sup>00</sup>-23<sup>00</sup> спортивное время час + 2 мин.

с 12<sup>00</sup> — не переключено на 180 мГц.

Кем отсчитано  
Кем проверено

Тейко, Муслимовой  
Тейко

ЕЖЕЧАСНЫЕ ЗНАЧЕНИЯ  
ВЕРТИКАЛЬНОГО ИОНОСФЕРНОГО ЗОНДИРОВАНИЯ

Дата 8 августа 1972 г.  
Станция Карманда.

| Зона | f-мин. |           |              | F-область |          |           |              |      |           |              |     |           |              | E-область |          |           |              |     |           |              |     |           |              | Примечание | F2   |      |           |              |      |           |              |        |     |     |     |     |   |
|------|--------|-----------|--------------|-----------|----------|-----------|--------------|------|-----------|--------------|-----|-----------|--------------|-----------|----------|-----------|--------------|-----|-----------|--------------|-----|-----------|--------------|------------|------|------|-----------|--------------|------|-----------|--------------|--------|-----|-----|-----|-----|---|
|      | f-мин. | оценочный | описательный | foF2      | F2 M3000 | оценочный | описательный | h'F2 | оценочный | описательный | h'F | оценочный | описательный | foF1      | F1 M3000 | оценочный | описательный | foE | оценочный | описательный | h'E | оценочный | описательный |            | fbEs | foEs | оценочный | описательный | h'Es | оценочный | описательный | Точ Es | h/p | h'p |     |     |   |
| 00   | 011    |           |              |           |          |           | S            |      |           |              | 245 | E         | B            |           |          |           |              |     |           |              |     |           |              | 011        | 011  | E    | B         |              |      | B         |              |        | S   |     |     |     |   |
| 01   | 010    |           |              | 050       | 270      |           |              |      |           |              | 270 | E         | E            |           |          |           |              |     |           |              |     |           |              |            |      |      |           |              |      |           |              |        | 370 |     |     |     |   |
| 02   | 010    |           |              | 050       | 270      |           |              |      |           |              | 280 | E         | E            |           |          |           |              |     |           |              |     |           |              |            |      |      |           |              |      |           |              |        | 365 |     |     |     |   |
| 03   | 010    |           |              | 048       | 285      |           |              |      |           |              | 250 | E         | E            |           |          |           |              |     |           |              |     |           |              |            |      |      |           |              |      |           |              |        | 340 |     |     |     |   |
| 04   | 012    |           |              | 045       | 280      |           |              |      |           |              | 265 | E         | B            |           |          |           | 120          | E   | B         |              |     |           |              | B          | G    |      |           | G            |      |           |              |        | 375 |     |     |     |   |
| 05   | 010    |           |              | 045       | 310      | 0         | S            |      |           |              | 255 |           |              |           |          |           | 170          | H   | 115       |              |     |           | H            | G          |      |      | G         |              |      |           |              |        | 290 | US  |     |     |   |
| 06   | 013    |           |              | 053       | 290      |           |              |      |           |              | 280 |           |              |           |          |           | 230          | A   | 115       |              |     |           | 0027R        | 024        | R    | R    | 230       | E            | G    | MC2       |              |        | 325 |     |     |     |   |
| 07   | 013    |           |              | 057       | 300      |           |              | 305  |           |              | 225 |           |              | 041       |          | U         | L            | 240 | U         | A            | 105 |           |              | 031        | 031  |      |           | 130          | E    | B         |              |        |     | 305 |     |     |   |
| 08   | 017    |           |              | 060       | 290      |           |              | 330  | U         | L            | 205 |           |              |           |          | L         | 300          | U   | A         | 105          |     |           |              | 032        | 033  |      |           | 120          |      |           |              |        |     | 330 |     |     |   |
| 09   | 020    |           |              | 065       |          | I         | R            | 330  |           |              | 220 |           |              | 048       |          |           |              |     | A         | 105          |     |           | 0037R        | 037        | D    | R    | 120       |              |      |           |              |        |     | R   |     |     |   |
| 10   | 020    |           |              | 068       | 295      | J         | R            | 320  |           |              | 200 | E         | A            | 048       |          | U         | L            |     | A         | 105          |     |           |              | 036        | 036  |      |           | 120          |      |           |              |        |     | 320 | JR  |     |   |
| 11   | 020    |           |              | 074       | 295      |           |              | 300  |           |              | 200 |           |              | 049       |          |           |              | 370 | U         | R            | 105 |           |              |            |      |      | G         |              |      |           |              |        |     | 315 |     |     |   |
| 12   | 020    |           |              | 075       | 280      |           |              | 325  | E         | G            | 200 |           |              | 050       |          | U         | L            | 370 | U         | R            | 165 |           |              |            |      | G    |           |              |      |           |              |        |     |     | 350 |     |   |
| 13   | 020    |           |              | 077       | 305      |           |              | 285  |           |              | 195 |           |              | 048       |          | U         | L            | 360 | U         | R            | 105 |           |              |            |      | G    |           |              |      |           |              |        |     |     |     | 300 |   |
| 14   | 020    |           |              | 075       | 305      |           |              | 280  |           |              | 260 | I         | A            | 048       |          | U         | L            | 355 | U         | R            | 105 |           |              |            |      | G    |           |              |      |           |              |        |     |     |     | 300 |   |
| 15   | 016    |           |              | 073       | 300      |           |              | 290  |           |              | 210 |           |              | 048       |          | U         | L            |     | A         | 105          |     |           |              | 036        | 036  | D    | R         | 180          | E    | G         |              |        |     | 305 |     |     |   |
| 16   | 018    |           |              | 070       |          | I         | R            | 295  |           |              | 235 | E         | A            | 044       |          |           |              | 320 | A         | 105          |     |           |              | 039        | 050  | J    | X         | 130          | E    | G         |              |        |     |     | R   |     |   |
| 17   | 019    |           |              | 067       | 305      | J         | R            | 245  |           |              | 210 |           |              | 040       |          |           |              | 280 | U         | A            | 110 |           |              |            | 031  | 032  |           |              | 125  |           |              |        |     |     | 300 | JR  |   |
| 18   | 017    |           |              | 069       | 300      | J         | R            |      |           |              | L   | 240       |              |           |          | L         |              |     | A         | 120          | E   | B         | 028          | 029        |      |      | 135       | E            | G    |           |              |        |     | 305 | JR  |     |   |
| 19   | 010    |           |              | 074       |          | I         | S            |      |           |              | 250 |           |              |           |          |           |              |     | A         |              |     |           | A            | 020        | 022  |      |           | 110          |      |           |              |        |     |     | S   |     |   |
| 20   | 010    |           |              | 078       | 305      | U         | S            |      |           |              | 240 | E         | A            |           |          |           |              |     |           |              |     |           |              | 020        | 032  | J    | X         | 110          |      |           |              |        |     |     | 300 | US  |   |
| 21   | 011    |           |              | 077       | 290      | U         | S            |      |           |              | 240 | E         | A            |           |          |           |              |     |           |              |     |           |              | 015        | 015  |      |           | 115          |      |           |              |        |     |     | 325 | US  |   |
| 22   | 010    |           |              |           |          |           | S            |      |           |              | 230 | E         | E            |           |          |           |              |     |           |              |     |           |              | E          | 013  |      |           | 115          |      |           |              |        |     |     |     | S   |   |
| 23   | 010    |           |              |           |          |           | S            |      |           |              | 255 | E         | A            |           |          |           |              |     |           |              |     |           |              |            | 015  | 015  |           |              | 115  |           |              |        |     |     |     |     | S |

с 00-900 Часы спортивного спецобна  
2 минуты.