

МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД

foF2 0.1 Мгц июль 1965г.  
(характеристика) (единицы) (месяц) (год)

ТБИЛИССКИЙ ГОСУНИВЕРСИТЕТ  
(институт)

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Ломашвили

Станция ТБИЛИСИ

поясное время 45° E

Кем подсчитана Ломашвили

Долгота 44°48' E широта 41°43' N

| Дни     | 00     | 01     | 02     | 03     | 04     | 05     | 06     | 07     | 08     | 09     | 10     | 11     | 12     | 13     | 14     | 15     | 16     | 17     | 18     | 19     | 20     | 21     | 22     | 23     |      |   |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|---|
| 1       | 48     | 45     | 48 V   | 39     | 37     | 39     | 52     | 45     | I 43 A | 54     | 64     | A      | C      | C      | C      | C      | C      | 48     | 51     | 50     | 55     | I 59 A | 57     | A      |      |   |
| 2       | A      | A      | U 40 R | 36     | 37     | 37 F   | 48     | 45     | 47     | I 54 A | I 52 A | 55     | 51     | 49     | I 51 C | I 50 A | 49     | I 50 A | 51     | 55     | I 58 A | 60     | 61     | 56     |      |   |
| 3       | 40     | 34     | 33 F   | U 35 F | U 34 F | 43     | U 54 A | 53     | U 53 A | 61     | I 60 A | 65     | 54 H   | 55     | 55     | 60     | 63     | 57     | I 52 A | 55     | 60     | 64     | U 61 F | U 57 F |      |   |
| 4       | U 40 F | F      | F      | F      | U 36 F | 37 F   | 54     | U 55 C | 54 F   | 64     | 67     | 65     | I 57 A | 56     | 61     | 60     | I 52 A | 56     | I 56 A | I 52 A | 59     | 61     | U 55 S | U 52 F |      |   |
| 5       | F      | A      | F      | F      | F      | U 41 F | 47     | 57     | 55     | I 57 A | I 59 A | I 57 A | I 60 C | 66     | C      | U 58 R | C      | I 56 C | 56     | 53     | U 49 F | C      | C      | C      |      |   |
| 6       | U 45 S | U 43 S | U 38 F | 37     | 35     | 40     | 51     | 61     | 53     | 57     | 71     | 68     | 76     | 81     | 54     | 57     | 63     | 69     | 72     | 78     | 72     | 68     | 66     | 46     |      |   |
| 7       | A      | 40 F   | 38 F   | 39 F   | 43 F   | 46 V   | 50 V   | 62     | 61     | 64 V   | 56     | 55     | 56     | 56     | 58     | 63     | 61 V   | 58     | 57     | 60     | 67     | C      | C      | C      |      |   |
| 8       | A      | A      | 32     | 34 F   | U 34 F | C      | 51     | 71     | 62     | 54     | 53     | 60     | 65     | 64     | 64     | I 58 A | 47     | 51     | I 50 C | 54     | 64     | U 67 F | U 61 F | F      |      |   |
| 9       | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | 49     | 51     | 56     | 56     | I 61 A | 53     | I 51 A | 51     | 59     | 59     | 58 V | C |
| 10      | 39     | I 33 A | 33 V   | 33     | R      | 37 H   | 48 F   | 55     | 60 H   | 55     | 57     | A      | A      | 61     | 56     | 55     | 53     | I 59 C | 61     | 58     | 57     | U 61 R | 57     | A      |      |   |
| 11      | 44 F   | 42     | 41     | U 39 F | 37 F   | 42 F   | 50     | 47     | 46     | 51     | 52     | 53     | 54     | I 57 C | I 56 C | 53     | 51     | 51     | 50     | 56     | 66 V   | 63     | C      | A      |      |   |
| 12      | U 44 F | F      | A      | A      | U 25 F | U 36 F | 46     | U 53 F | A      | A      | A      | A      | A      | I 55 A | I 54 A | I 50 A | 49     | 52     | 53     | 59     | 64     | U 58 F | U 50 F | U 46 F |      |   |
| 13      | U 45 F | F      | C      | C      | C      | C      | C      | C      | C      | C      | 61     | 59 V   | 59     | 56     | 57     | 62     | 64     | 59     | 59     | 66     | 63     | 64     | 56     | 49 F   |      |   |
| 14      | U 52 F | 54     | 48     | F      | U 32 F | 39     | I 45 A | 52     | 54     | 58     | 67     | 63     | 56     | 48     | 47     | 54     | 53     | 53     | 49     | 52     | 64     | 60     | 57     | 52     |      |   |
| 15      | C      | C      | C      | C      | C      | C      | C      | C      | C      | 52     | 54     | 62     | 59     | 51 H   | 50     | 51     | 48     | C      | C      | C      | C      | 58     | 51     | A      |      |   |
| 16      | U 38 S | U 36 F | 33 F   | U 33 F | 31 F   | 39     | 46     | 54     | 55     | I 56 C | 50     | 55     | C      | C      | C      | C      | C      | C      | C      | C      | C      | 54     | C      | C      |      |   |
| 17      | 40     | 36 F   | 34     | 32     | U 28 F | 34     | 46     | I 49 A | I 55 C | 53     | U 49 F | C      | C      | C      | C      | 54     | 50     | 47     | 43     | 44     | 49     | I 50 A | U 49 S | U 45 F |      |   |
| 18      | C      | 38     | 35     | 33     | 34     | 42     | 44     | 50     | 51     | I 55 C | 55     | 57     | C      | C      | C      | C      | C      | 53     | 53     | 55     | 58     | 57     | 52     | 47     |      |   |
| 19      | C      | F      | U 34 F | U 33 F | 28 F   | 34     | 41     | U 45 R | 49     | I 56 A | 61     | 59     | 58     | 66     | 82     | 77     | 77     | 63     | 55     | 62     | 60     | I 60 R | 48     | 43     |      |   |
| 20      | 41 F   | 40 F   | A      | A      | A      | 37 F   | 45     | 40     | A      | A      | A      | A      | A      | A      | A      | 50     | I 50 A | 50     | 45     | I 46 A | I 45 A | I 46 A | 47     | 44     |      |   |
| 21      | 40     | 37     | U 34 R | 31     | 29     | 33     | 45     | 42 V   | 49     | 42     | U 51 R | U 53 R | U 56 R | 54     | I 51 A | I 50 A | 51     | I 53 A | 49     | 49     | 52     | 45 V   | I 43 A | 41     |      |   |
| 22      | U 35 R | U 30 R | I 29 A | 30     | 31 F   | 42     | 44     | 50     | 57     | 57     | 56     | 61     | I 59 A | 55     | 51     | 50     | I 47 A | I 48 A | 56     | I 61 A | 60     | 57     | 59     | 55     |      |   |
| 23      | 42     | 37 F   | 32     | 31     | 28     | 32 H   | 46     | 52     | 55     | 61     | 61     | 57     | 58     | I 60 A | 56     | C      | C      | 50     | 55     | 57     | 67     | U 68 R | 65     | 55     |      |   |
| 24      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C    |   |
| 25      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C    |   |
| 26      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | 62     | 59     | 52     | 54     | 51     | I 49 A | 48     | 44     | 50     | 56     | 58 H   | 58     | U 45 R |      |   |
| 27      | 39     | I 33 A | I 28 A | 27 F   | 29     | 35 V   | 49 V   | 54     | 59     | 53     | I 58 C | 57 V   | 54     | 55     | 58     | I 52 C | 51     | I 49 A | 47     | 53     | 66     | 67     | U 64 S | 59     |      |   |
| 28      | 40     | 33     | 32 F   | 31 F   | 31 F   | 33     | 48     | 50     | 59     | I 54 A | 60     | I 52 A | 54     | I 60 A | 58     | 54     | 54     | 49     | 48     | 45     | I 56 A | A      | F      | 50     |      |   |
| 29      | A      | A      | 34     | 32     | 30     | I 33 C | 42     | 53     | 43     | I 51 A | 50     | U 52 R | 56     | 55     | 64     | 57     | 57     | 47     | 45     | I 49 A | I 56 A | U 60 R | 55     | 41     |      |   |
| 30      | A      | U 32 R | R      | U 32 R | 30     | 32     | 40 H   | 44     | U 46 R | 52     | 52     | 50     | 50     | 50     | 50     | I 51 A | 47     | U 51 R | 54     | A      | U 50 R | F      | U 47 F | U 47 F |      |   |
| 31      | U 34 C | 28     | I 26 A | 28     | 30     | 34     | 43     | 48 F   | 49     | I 55 A | 62     | I 58 A | 51     | 50     | 55     | 49     | 54     | 56     | 59     | 47     | 50     | 49     | 47     | 42     |      |   |
| Медiana | 5      | 7      | 6      | 5      | 6      | 6      | 6      | 8      | 8      | 4      | 9      | 7      | 5      | 8      | 7      | 7      | 12     | 7      | 7      | 8      | 9      | 7      | 10     | 10     |      |   |
| Учено   | 18     | 18     | 20     | 20     | 22     | 24     | 25     | 25     | 23     | 24     | 25     | 23     | 22     | 24     | 23     | 25     | 24     | 27     | 27     | 26     | 27     | 25     | 24     | 20     |      |   |
| Кварт   | 39     | 33     | 28     | 31     | 29     | 34     | 44     | 46     | 49     | 53     | 52     | 55     | 54     | 52     | 51     | 51     | 49     | 49     | 49     | 50     | 55     | 57     | 50     | 49     |      |   |
|         | 44     | 40     | 34     | 36     | 35     | 40     | 50     | 54     | 57     | 57     | 61     | 62     | 59     | 60     | 58     | 58     | 61     | 56     | 56     | 58     | 64     | 64     | 60     | 54     |      |   |

Пробег частоты от 1.0 Мгц до 10.0 Мгц 0.5 мин.

Станция автоматическая

(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД

50F1 91 Mгц июль 1965г.  
(характеристика) (единицы) (месяц) (год)

ТБИЛИССКИЙ ГОСУНИВЕРСИТЕТ  
(институт)

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена ЛОМАШВИЛИ Л.Г.

Станция ТБИЛИСИ

Поясное время 45°E

Кем подсчитана ЛОМАШВИЛИ Л.Г.

Долгота 44° 48' E, широта 41° 43' N

| Дни     | 00 | 01 | 02 | 03 | 04 | 05 | 06  | 07 | 08 | 09    | 10     | 11    | 12    | 13    | 14 | 15    | 16      | 17    | 18 | 19 | 20 | 21 | 22 | 23 |
|---------|----|----|----|----|----|----|-----|----|----|-------|--------|-------|-------|-------|----|-------|---------|-------|----|----|----|----|----|----|
| 1       |    |    |    |    |    | L  | L   | A  | A  | A     | A      | A     | C     | C     | C  | C     | C       | L     | L  | A  | A  |    |    |    |
| 2       |    |    |    |    |    | L  | 350 | L  | 40 | A     | A      | A     | 45    | A     | C  | A     | u41 R   | A     | L  |    |    |    |    |    |
| 3       |    |    |    |    |    |    | L   | A  | A  | A     | A      | 44    | A     | 45    | 44 | A     | A       | L     | A  |    |    |    |    |    |
| 4       |    |    |    |    |    | L  | A   | A  | 42 | A     | A      | 44    | A     | 44    | 42 | 42    | A       | A     | A  | A  |    |    |    |    |
| 5       |    |    |    |    |    | L  | L   | L  | A  | A     | A      | A     | C     | 44    | C  | A     | C       | C     | A  | A  |    |    |    |    |
| 6       |    |    |    |    |    |    | L   | L  | 41 | 43    | 44     | u45 R | A     | A     | 45 | 42    | 41      | 39    | L  | L  |    |    |    |    |
| 7       |    |    |    |    |    |    | L   | L  | A  | L     | 44     | 44    | L     | L     | 44 | 44    | V u42 L | L     | L  | A  | A  |    |    |    |
| 8       |    |    |    |    |    |    | A   | L  | L  | L     | 46     | 44    | 44    | 44    | A  | A     | A       | A     | C  | A  |    |    |    |    |
| 9       |    |    |    |    |    |    | C   | C  | C  | C     | C      | C     | L     | u45 R | 43 | A     | A       | L     | A  |    |    |    |    |    |
| 10      |    |    |    |    |    |    | L   | A  | 41 | 44    | A      | A     | A     | 44    | 43 | 43    | 42      | C     |    |    |    |    |    |    |
| 11      |    |    |    |    |    |    | L   | L  | A  | A     | 44     | 43    | 44    | H     | C  | C     | A       | L     | L  | L  | A  |    |    |    |
| 12      |    |    |    |    |    |    | L   | A  | A  | A     | A      | A     | A     | A     | A  | A     | 41      | 39    | L  |    |    |    |    |    |
| 13      |    |    |    |    |    |    | C   | C  | C  | C     | 44     | 45    | L     | 45    | 45 | u43 R | A       | L     | L  | L  |    |    |    |    |
| 14      |    |    |    |    |    |    | A   | 37 | 40 | u42 R | 44     | 43    | 45    | 45    |    | 42    | L       | L     | L  | L  |    |    |    |    |
| 15      |    |    |    |    |    |    | C   | C  | C  | A     | 42     | A     | 44    | H     | 44 | 43    | H       | A     | A  | C  | C  | C  |    |    |
| 16      |    |    |    |    |    |    | L   | A  | L  | C     | A      | A     | C     | C     | C  | C     | C       | C     | C  | C  | C  |    |    |    |
| 17      |    |    |    |    |    | L  | L   | A  | C  | L     | L      | C     | C     | C     | C  | 43    | L       | L     | L  |    |    |    |    |    |
| 18      |    |    |    |    |    |    | L   | L  | L  | C     | 43     | 43    | C     | C     | C  | C     | C       | L     | L  | L  |    |    |    |    |
| 19      |    |    |    |    |    |    | A   | A  | 41 | A     | A      | 43    | u42 R | 42    | 42 | H     | 41      | 40    | L  | L  |    |    |    |    |
| 20      |    |    |    |    |    |    | L   | A  | A  | A     | A      | A     | A     | A     | A  | u41 R | A       | A     | L  | A  | A  | A  | A  |    |
| 21      |    |    |    |    |    |    | A   | A  | A  | A     | 43     | u44 R | A     | A     | A  | A     | A       | A     | A  | A  | A  |    |    |    |
| 22      |    |    |    |    |    |    |     | L  | 41 | 42    | 44     | u45 R | A     | A     | A  | A     | A       | A     | A  | A  |    |    |    |    |
| 23      |    |    |    |    |    |    | L   | L  | 41 | 41    | 42     | A     | A     | A     | A  | C     | C       | L     | L  |    |    |    |    |    |
| 24      |    |    |    |    |    |    | C   | C  | C  | C     | C      | C     | C     | C     | C  | C     | C       | C     | C  | C  | C  |    |    |    |
| 25      |    |    |    |    |    |    | C   | C  | C  | C     | C      | C     | C     | C     | C  | C     | C       | C     | C  | C  | C  |    |    |    |
| 26      |    |    |    |    |    |    | C   | C  | C  | C     | C      | A     | u43 R | L     | A  | u43 R | A       | A     | L  |    |    |    |    |    |
| 27      |    |    |    |    |    |    | L   | L  | 40 | u41 L | I 42 C | 43    | 43    | 43    | H  | 42    | C       | A     | A  | L  | L  |    |    |    |
| 28      |    |    |    |    |    |    | L   | A  | 40 | A     | 42     | A     | A     | A     | 42 | 41    | u40 L   | L     | A  |    |    |    |    |    |
| 29      |    |    |    |    |    |    | L   | 37 | A  | A     | 42     | u43 R | A     | A     | A  | 42    | L       | L     |    | A  | A  |    |    |    |
| 30      |    |    |    |    |    |    |     | A  | 40 | 42    | L      | 43    | 43    | 43    | 43 | A     | L       | A     | L  |    |    |    |    |    |
| 31      |    |    |    |    |    |    | L   | A  | A  | A     | A      | A     | 44    | 44    | 42 | u42 L | 40      | u37 L | L  |    |    |    |    |    |
| Медiana |    |    |    |    |    |    | 35  | 37 | 41 | 42    | 43     | 44    | 44    | 44    | 43 | 42    | 41      | 38    |    |    |    |    |    |    |
| Учено   |    |    |    |    |    |    | 1   | 2  | 10 | 7     | 15     | 14    | 10    | 13    | 13 | 13    | 8       | 3     |    |    |    |    |    |    |

Пробег частоты от 1.0 Мгц до 10.0 Мгц 0.5 мин.

Станция автоматическая.

(ручная, автоматическая)

# МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД

50E 0,01 Mcy Июль 1965г.  
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ТБИЛИССКИЙ ГОСУНИВЕРСИТЕТ  
(институт)

## ИОНОСФЕРНЫЕ ДАННЫЕ

Станция ТБИЛИСИ

Кем составлена ЛОМАШВИЛИ Л.Г.

Долгота 44° 48' E широта 41° 43' N

полосное время 45° E

Кем подсчитана ЛОМАШВИЛИ Л.Г.

| Дни     | 00 | 01 | 02 | 03 | 04 | 05  | 06    | 07    | 08    | 09    | 10    | 11    | 12    | 13  | 14    | 15    | 16    | 17    | 18    | 19    | 20 | 21 | 22 | 23 |
|---------|----|----|----|----|----|-----|-------|-------|-------|-------|-------|-------|-------|-----|-------|-------|-------|-------|-------|-------|----|----|----|----|
| 1       |    |    |    |    |    | R   | 210   | A     | u270A | 310   | 325   | A     | C     | C   | C     | C     | C     | A     | A     | A     | A  |    |    |    |
| 2       |    |    |    |    |    | A   | A     | A     | u285A | A     | A     | A     | A     | A   | C     | u315A | u300A | u260A | A     | E     |    |    |    |    |
| 3       |    |    |    |    |    |     | 285   | 270   | 290   | 315   | 330   | A     | A     | A   | A     | A     | A     | A     | A     | A     |    |    |    |    |
| 4       |    |    |    |    |    |     | u210A | 265   | 300   | u320A | I330A | 335   | A     | A   | A     | A     | A     | A     | A     | A     |    |    |    |    |
| 5       |    |    |    |    |    | A   | A     | A     | A     | u310A | A     | A     | C     | A   | C     | A     | C     | C     | A     | A     |    |    |    |    |
| 6       |    |    |    |    |    |     | 180   | A     | A     | u300A | A     | A     | A     | A   | 340   | I330A | I310A | 280   | A     | A     |    |    |    |    |
| 7       |    |    |    |    |    | A   | u150A | A     | A     | A     | A     | A     | A     | A   | A     | 315   | I300A | u275A | u225A | E     | A  |    |    |    |
| 8       |    |    |    |    |    |     | A     | A     | A     | A     | A     | u340A | A     | A   | A     | A     | A     | 280   | 225   | u170A |    |    |    |    |
| 9       |    |    |    |    |    |     | C     | C     | C     | C     | C     | C     | A     | A   | 330   | 315   | 290   | 255   | A     | A     |    |    |    |    |
| 10      |    |    |    |    |    | A   | A     | u270A | A     | A     | A     | A     | A     | A   | u340A | u320A | I300A | A     | A     | E     |    |    |    |    |
| 11      |    |    |    |    |    | A   | 210   | A     | A     | A     | A     | A     | A     | C   | C     | A     | A     | u280A | u230A | A     |    |    |    |    |
| 12      |    |    |    |    |    | A   | u210A | u255A | u295A | A     | A     | A     | A     | A   | A     | A     | A     | A     | A     | A     |    |    |    |    |
| 13      |    |    |    |    |    |     | C     | C     | C     | C     | A     | A     | A     | A   | A     | A     | A     | A     | A     | A     |    |    |    |    |
| 14      |    |    |    |    |    | A   | A     | A     | A     | A     | A     | A     | A     | A   | A     | A     | A     | 270   | A     | A     |    |    |    |    |
| 15      |    |    |    |    |    | C   | C     | C     | C     | A     | A     | 340   | I340A | 340 | A     | A     | A     | C     | C     | C     |    |    |    |    |
| 16      |    |    |    |    |    | A   | A     | A     | 285   | I310  | C     | A     | A     | C   | C     | C     | C     | C     | C     | C     |    |    |    |    |
| 17      |    |    |    |    |    | A   | A     | A     | C     | A     | A     | C     | C     | C   | C     | A     | 300   | 265   | 230   | 165   |    |    |    |    |
| 18      |    |    |    |    |    | A   | R     | A     | A     | C     | A     | A     | C     | C   | C     | C     | C     | A     | A     | A     |    |    |    |    |
| 19      |    |    |    |    |    | A   | u225A | A     | A     | u310A | A     | A     | A     | A   | A     | A     | A     | I260A | 210   | A     | A  |    |    |    |
| 20      |    |    |    |    |    | A   | A     | A     | u270A | 300   | u315  | R     | 325   | A   | A     | u305A | A     | A     | A     | A     | A  | A  | A  | A  |
| 21      |    |    |    |    |    | A   | A     | A     | A     | A     | A     | A     | A     | A   | A     | 300   | A     | A     | A     | A     |    |    |    |    |
| 22      |    |    |    |    |    | A   | A     | A     | A     | u305A | A     | A     | A     | A   | A     | A     | A     | A     | A     | 215   | A  |    |    |    |
| 23      |    |    |    |    |    | 120 | A     | A     | A     | A     | A     | A     | A     | A   | A     | C     | C     | A     | A     | A     |    |    |    |    |
| 24      |    |    |    |    |    | C   | C     | C     | C     | C     | C     | C     | C     | C   | C     | C     | C     | C     | C     | C     | C  |    |    |    |
| 25      |    |    |    |    |    | C   | C     | C     | C     | C     | C     | C     | C     | C   | C     | C     | C     | C     | C     | C     | C  |    |    |    |
| 26      |    |    |    |    |    | C   | C     | C     | C     | C     | C     | u325A | u325A | A   | u325A | A     | A     | A     | A     | A     |    |    |    |    |
| 27      |    |    |    |    |    | E   | u205A | A     | A     | A     | A     | C     | A     | A   | A     | C     | A     | A     | 215   | A     |    |    |    |    |
| 28      |    |    |    |    |    | A   | u190A | A     | A     | u295A | A     | A     | A     | A   | A     | A     | A     | A     | A     | 215   | A  |    |    |    |
| 29      |    |    |    |    |    | C   | A     | A     | A     | A     | A     | A     | A     | A   | u320A | A     | 290   | 260   | 210   | A     |    |    |    |    |
| 30      |    |    |    |    |    | A   | A     | u230A | u275A | A     | A     | A     | A     | A   | A     | A     | u305A | I260A | 200   | A     |    |    |    |    |
| 31      |    |    |    |    |    |     | 205   | u245A | u270A | 295   | A     | A     | A     | A   | A     | A     | A     | A     | A     | A     |    |    |    |    |
| Медиана |    |    |    |    |    |     | 5     | 25    | 25    | 10    |       | 15    |       |     | 20    | 10    | 5     | 20    | 15    |       |    |    |    |    |
| Учено   |    |    |    |    |    | 4   | 9     | 6     | 10    | 10    | 4     | 5     | 2     | 1   | 6     | 6     | 8     | 11    | 10    | 5     |    |    |    |    |
|         |    |    |    |    |    |     | 205   | 245   | 270   | 300   |       | 325   |       |     | 320   | 310   | 295   | 260   | 210   | E     |    |    |    |    |
|         |    |    |    |    |    |     | 210   | 270   | 295   | 310   |       | 340   |       |     | 340   | 320   | 300   | 280   | 225   | 170   |    |    |    |    |

Пробег частоты от 1.0 Мгц до 10.0 Мгц 0.5 мин.

Станция автоматическая

(ручная, автоматическая)

# МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД

50 Es 0,1 Мгц июль 1965г.  
(характеристика) (единицы) (месяц) (год)

ТБИЛИССКИЙ ГОСУНИВЕРСИТЕТ  
(институт)

## ИОНОСФЕРНЫЕ ДАННЫЕ

Станция ТБИЛИСИ

Кем составлена

Долгота 44° 48' E широта 41° 43' N

поясное время 45° E

Кем подсчитана ЛОМАШВИЛИ Л.Г.

| Дни          | 00      | 01      | 02      | 03      | 04      | 05      | 06      | 07      | 08      | 09      | 10      | 11       | 12       | 13      | 14      | 15      | 16      | 17      | 18      | 19      | 20      | 21      | 22      | 23      |        |      |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|------|
| 1            | 30      | J 43 x  | J 30 x  | J 23 x  | 23      | 24      | 26      | J 45 x  | 42      | 48      | J 62 x  | 100      | с        | с       | с       | с       | с       | 47      | 29      | J 37 x  | 49      | J 60 x  | J 60 x  | J 60 x  |        |      |
| 2            | J 61 x  | J 44 x  | J 50 x  | J 30 x  | J 34 x  | У       | 33      | 35      | 34      | J 60 x  | J 64 x  | J 64 x   | J 44 x   | J 50 x  | с       | J 48 x  | 40      | J 60 x  | J 64 x  | J 64 x  | J 73 x  | J 51 x  | J 61 x  | J 41 x  |        |      |
| 3            | 31      | J 44 x  | 46      | 31      | 25      | 37      | 33      | 39      | J 53 x  | J 62 x  | 74      | 44       | 54       | 41      | 50      | 54      | 60      | 40      | 87      | 40      | J 50 x  | 36      | 30      | 47      |        |      |
| 4            | У       | J 33 x  | 52      | 52      | 49      | J 30 x  | J 55 x  | J 61 x  | J 63 x  | J 87 x  | 50      | У        | J 94 x   | J 41 x  | J 51 x  | J 63 x  | J 64 x  | J 63 x  | J 71 x  | J 90 x  | J 40 x  | J 55 x  | J 63 x  | J 61 x  |        |      |
| 5            | J 45 x  | J 64 x  | 25      | J 32 x  | J 24 x  | 26      | 31      | 33      | 44      | J 64 x  | J 86 x  | D 10.0 c | с        | J 43 x  | с       | 43      | 39      | 37      | 45      | 40      | J 52 x  | 30      | с       | с       |        |      |
| 6            | J 27 x  | J 26 x  | J 26 x  | J 24 x  | J 21 x  | J 20 x  | 27      | 31      | 37      | 41      | J 43 x  | J 40 x   | J 65 x   | J 52 x  | G       | J 40 x  | 40      | 38      | 31      | 24      | 48      | J 44 x  | J 52 x  | J 51 x  |        |      |
| 7            | 60      | J 43 x  | J 41 x  | J 23 x  | 26      | 21      | 32 H    | 29      | J 64 x  | J 77 x  | 75      | 44       | 41       | 37      | 37      | 33      | 40      | 40      | 41      | 53      | 13      | с       | с       | с       |        |      |
| 8            | J 60 x  | J 60 x  | J 52 x  | J 41 x  | J 44 x  | с       | J 65 x  | J 46 x  | 37      | 38      | 39      | 40       | 38       | 43      | 50      | 97      | J 51 x  | 33      | с       | J 50 x  | 34      | 30      | J 33 x  | 36      |        |      |
| 9            | с       | с       | с       | с       | с       | с       | с       | с       | с       | с       | с       | с        | с        | с       | с       | с       | с       | с       | с       | с       | с       | с       | с       | с       |        |      |
| 10           | J 34 x  | J 37 x  | J 37 x  | J 24 x  | J 21 x  | 22      | 32      | 40      | 35      | 35      | J 69 x  | J 124 x  | J 88 x   | J 60 x  | 39      | 38      | J 62 x  | U 52 c  | J 94 x  | J 64 x  | J 94 x  | J 40 x  | J 64 x  | J 64 x  |        |      |
| 11           | J 52 x  | 60      | J 48 x  | 33      | J 24 x  | J 32 x  | 22      | 32      | J 54 x  | 58      | J 59 x  | J 52 x   | 49       | с       | с       | J 56 x  | J 35 x  | 44      | 36      | J 43 x  | 30 H    | 63      | J 62 x  | J 61 x  |        |      |
| 12           | J 53 x  | J 23 x  | U 52 c  | U 51 c  | J 33 x  | J 21 x  | 30      | 44      | J 91 x  | J 91 x  | J 73 x  | D 10.2 D | D 10.2 D | J 127 x | J 119 x | J 63 x  | J 41 x  | J 37 x  | 31      | 37      | 31      | 36      | 31      | J 53 x  |        |      |
| 13           | E 14 B  | Е       | с       | с       | с       | с       | с       | с       | с       | с       | с       | с        | с        | с       | с       | с       | с       | с       | с       | с       | с       | с       | с       | с       |        |      |
| 14           | J 38 x  | J 40 x  | J 84 x  | J 66 x  | J 34 x  | J 40 x  | J 54 x  | J 44 x  | 44      | J 54 x  | 41      | 40       | J 54 x   | 37      | J 51 x  | J 38 x  | J 37 x  | 28      | 30      | 24      | J 50 x  | J 46 x  | 33      | J 51 x  |        |      |
| 15           | с       | с       | с       | с       | с       | с       | с       | с       | с       | с       | J 50 x  | J 53 x   | J 66 x   | 37      | J 51 x  | 42      | J 51 x  | 49 H    | с       | с       | с       | с       | с       | 30      | J 61 x | 63 H |
| 16           | J 53 x  | J 41 x  | J 31 x  | J 24 x  | 25      | 20      | J 41 x  | J 70 x  | 39      | с       | J 60 x  | J 65 x   | с        | с       | с       | с       | с       | с       | с       | с       | с       | с       | с       | с       |        |      |
| 17           | 16      | J 30 x  | 31      | 20      | 20      | 24      | 31      | J 45 x  | с       | 39      | J 38 x  | с        | с        | с       | с       | с       | с       | с       | с       | с       | с       | с       | с       | с       |        |      |
| 18           | с       | J 34 x  | J 35 x  | J 25 x  | J 20 x  | 25      | G       | 30      | 36      | с       | 40      | 42       | с        | с       | с       | с       | с       | с       | с       | с       | с       | с       | с       | с       |        |      |
| 19           | с       | J 24 x  | 48      | J 30 x  | 33      | J 41 x  | 40      | 44      | J 46 x  | J 64 x  | 14.5    | 41       | 49       | 54      | 38      | 35      | 30      | 33      | 33      | 20      | 13      | 23      | 28      | J 33 x  |        |      |
| 20           | J 43 c  | J 37 x  | U 50 c  | U 50 c  | U 50 c  | J 41 x  | J 37 x  | 34      | J 51 x  | J 52 x  | J 88 x  | J 50 x   | J 57 x   | У       | 10.2    | J 68 x  | J 61 x  | J 56 x  | J 61 x  | J 56 x  | J 60 x  | J 36 x  | J 32 x  | J 41 x  |        |      |
| 21           | 40      | 40      | J 41 x  | J 33 x  | J 32 x  | 24      | 37      | 32      | J 46 x  | J 41 x  | 43      | 41       | 52       | J 50 x  | J 84 x  | J 65 x  | 43      | J 63 x  | J 40 x  | 35      | 29      | J 42 x  | J 41 x  | J 30 x  |        |      |
| 22           | J 60 x  | J 43 x  | J 56 x  | J 37 x  | J 20 x  | 25      | 25      | 32      | 40      | 40      | 40      | 42       | 61       | 45      | 57      | J 50 x  | J 57 x  | J 64 x  | 41      | J 66 x  | J 52 x  | 32      | 27      | J 34 x  |        |      |
| 23           | J 26 x  | 27      | J 16 x  | J 15 x  | J 16 x  | 15      | 24      | U 27 R  | 50      | 36      | 39      | 44       | 50       | 86      | J 61 x  | с       | с       | 28      | 29      | 50      | 65      | 60      | 40      | 40      |        |      |
| 24           | с       | с       | с       | с       | с       | с       | с       | с       | с       | с       | с       | с        | с        | с       | с       | с       | с       | с       | с       | с       | с       | с       | с       | с       |        |      |
| 25           | с       | с       | с       | с       | с       | с       | с       | с       | с       | с       | с       | с        | с        | с       | с       | с       | с       | с       | с       | с       | с       | с       | с       | с       |        |      |
| 26           | с       | с       | с       | с       | с       | с       | с       | с       | с       | с       | с       | J 84 x   | 40       | 42      | 44      | 44      | J 84 x  | J 65 x  | 31      | J 34 x  | J 54 x  | J 50 x  | 35      | J 40 x  |        |      |
| 27           | J 33 x  | 36      | J 32 x  | 14      | E 11 B  | 17      | 27      | J 36 x  | 60      | 37      | с       | J 47 x   | J 53 x   | 37      | J 36 x  | с       | J 52 x  | J 59 x  | 29      | 23      | 31      | 27      | 31      | J 38 x  |        |      |
| 28           | J 35 x  | J 19 x  | J 21 x  | У       | J 42 x  | J 16 x  | 26      | 40      | J 60 x  | J 67 x  | J 67 x  | J 60 x   | J 73 x   | J 80 x  | 40      | J 45 x  | J 40 x  | 36      | J 53 x  | J 24 x  | J 60 x  | У       | J 36 x  | J 34 x  |        |      |
| 29           | J 50 x  | J 37 x  | J 30 x  | J 20 x  | J 20 x  | J 30 x  | 27      | 32      | 39      | J 60 x  | 45      | 38       | 50       | J 50 x  | 48      | 40      | 31      | 33      | 30      | J 53 x  | J 53 x  | J 40 x  | J 41 x  | J 41 x  |        |      |
| 30           | J 47 x  | E 13 B  | 37      | У       | Е       | 20      | 22      | 34      | J 43 x  | J 60 x  | 37      | J 57 x   | J 60 x   | J 41 x  | 41      | J 73 x  | 37      | J 46 x  | 40      | J 64 x  | J 64 x  | J 34 x  | J 43 x  | У       |        |      |
| 31           | E 11 B  | J 25 x  | J 37 x  | 23      | У       | 24      | E 12 B  | 32      | 44      | J 54 x  | 44      | J 65 x   | 41       | J 41 x  | J 37 x  | 41      | 40      | 42      | J 41 x  | J 41 x  | J 37 x  | 33      | 37      | J 41 x  |        |      |
| Длительность | 29      | 17      | 20      | 12      | 14      | 10      | 7       | 12      | 18      | 21      | 28      | 23       | 19       | 9       | 12      | 23      | 20      | 20      | 23      | 29      | 24      | 20      | 21      | 19      |        |      |
| Медиа        | J 40 x  | J 37 x  | J 37 x  | J 30 x  | J 24 x  | 24      | 30      | 35      | 44      | J 54 x  | J 53 x  | 48       | 51       | J 43 x  | 44      | J 48 x  | J 41 x  | 43      | 40      | J 40 x  | J 48 x  | J 36 x  | J 37 x  | J 41 x  |        |      |
| Учтено       | 23      | 26      | 25      | 23      | 24      | 23      | 25      | 25      | 24      | 24      | 26      | 26       | 24       | 23      | 22      | 24      | 25      | 27      | 26      | 27      | 27      | 27      | 26      | 24      |        |      |
| кварм        | 30 / 53 | 26 / 43 | 30 / 50 | 23 / 35 | 20 / 34 | 20 / 30 | 26 / 33 | 32 / 44 | 39 / 57 | 41 / 62 | 41 / 69 | 42 / 65  | 41 / 60  | 41 / 52 | 39 / 51 | 40 / 63 | 38 / 58 | 40 / 60 | 30 / 53 | 24 / 53 | 30 / 54 | 31 / 51 | 31 / 52 | 31 / 56 |        |      |

Пробег частоты от 1.0 Мгц до 15.0 Мгц 0.5 мин.

Станция автоматическая

(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД

ТБИЛИССКИЙ ГОСУНИВЕРСИТЕТ  
(институт)

ИОНОСФЕРНЫЕ ДАННЫЕ

SpEs 0,1 Мгц. июль 1965г  
(характеристика) (единицы) (месяц) (год)

Станция ТБИЛИСИ

Кем составлена ЛОМАЗВИЛИ Л.Г.

Долгота 44°48'E широта 41°43'N

поясное время 45°E

Кем подсчитана ЛОМАЗВИЛИ Л.Г.

| Дни     | 00 | 01     | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21     | 22 | 23 |    |
|---------|----|--------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|----|----|----|
| 1       | 15 | 33     | 20 | 19 | 11 | 16 | 23 | 37 | A  | 45 | 46 | A  | C  | C  | C  | C  | 37 | 30 | 31 | 43 | A  | 35     | A  |    |    |
| 2       | A  | 16     | 15 | 11 | 19 | 18 | 33 | 34 | 38 | A  | A  | 45 | 40 | 44 | C  | A  | 37 | A  | 33 | 40 | A  | 30     | 20 | 31 |    |
| 3       | 16 | 15     | 14 | 16 | 15 | 20 | 30 | 39 | 49 | 57 | A  | 42 | 52 | 38 | 42 | 47 | 40 | 31 | A  | 37 | 15 | 14     | 16 | 32 |    |
| 4       | 27 | 17     | 17 | 26 | 23 | 24 | 50 | 50 | 36 | 52 | 46 | 36 | A  | 34 | 38 | 38 | A  | 41 | A  | A  | 13 | 34     | 32 | 19 |    |
| 5       | 32 | A      | 12 | 11 | 17 | 19 | 26 | 31 | 42 | A  | A  | A  | C  | 41 | C  | 43 | C  | C  | 43 | 31 | 34 | 18     | C  | C  |    |
| 6       | 21 | 15     | 17 | 16 | 16 | 15 | 26 | 30 | 34 | 40 | 43 | 36 | 47 | 46 | G  | 32 | 33 | 36 | 31 | 20 | 34 | 20     | 37 | 40 |    |
| 7       | A  | 15     | 13 | 12 | 12 | 20 | 28 | 29 | 51 | 34 | 35 | 38 | 39 | 37 | 34 | 33 | 36 | 31 | 30 | 52 | 13 | C      | C  | C  |    |
| 8       | A  | A      | 15 | 19 | 28 | C  | 43 | 34 | 32 | 31 | 33 | 36 | 37 | 39 | 47 | A  | 42 | 25 | C  | 35 | 26 | 21     | 15 | 16 |    |
| 9       | C  | C      | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | 38 | 35 | 39 | 46 | A  | 38 | A  | 38 | 16 | 17     | 30 | C  |    |
| 10      | 24 | A      | 25 | 12 | 12 | 18 | 32 | 38 | 34 | 33 | 47 | A  | A  | 34 | 38 | 33 | 34 | C  | 40 | 38 | 30 | 30     | 38 | A  |    |
| 11      | 25 | 38     | 31 | 30 | 12 | 29 | 19 | 28 | 41 | 42 | 40 | 36 | 36 | C  | C  | 45 | 33 | 39 | 34 | 42 | 14 | 19     | C  | A  |    |
| 12      | 21 | 13     | A  | A  | 18 | 12 | 24 | 42 | A  | A  | A  | A  | A  | A  | A  | A  | 38 | 36 | 23 | 20 | 18 | 30     | 21 | 20 |    |
| 13      | 14 | E      | C  | C  | C  | C  | C  | C  | C  | C  | 41 | 37 | 37 | 35 | 34 | 34 | 42 | 34 | 25 | 20 | 15 | E 11 B | 15 | 32 |    |
| 14      | 31 | 17     | 20 | 14 | 23 | 30 | A  | 34 | 37 | 39 | 36 | 39 | 43 | 34 | 35 | 33 | 30 | 28 | 26 | 21 | 40 | 32     | 20 | 19 |    |
| 15      | C  | C      | C  | C  | C  | C  | C  | C  | C  | 42 | 41 | 45 | 36 | 39 | 40 | 46 | 45 | C  | C  | C  | C  | 13     | 34 | A  |    |
| 16      | 30 | 16     | 22 | 15 | 12 | 18 | 23 | 50 | 36 | C  | 46 | 44 | C  | C  | C  | C  | C  | C  | C  | C  | C  | 19     | C  | C  |    |
| 17      | E  | 19     | 12 | E  | E  | 16 | 28 | A  | C  | 38 | 36 | C  | C  | C  | C  | 32 | G  | G  | G  | G  | 12 | A      | 27 | 15 |    |
| 18      | C  | 16     | 22 | 21 | 13 | 16 | G  | 30 | 34 | C  | 36 | 40 | C  | C  | C  | C  | 28 | 23 | 21 | E  | 39 | 13     | 30 |    |    |
| 19      | C  | 12     | 17 | 19 | 18 | 31 | 39 | 43 | 39 | A  | 53 | 35 | 40 | 35 | 33 | 31 | 30 | 32 | 22 | 19 | 12 | E 13 B | 20 | 22 |    |
| 20      | 30 | 20     | A  | A  | A  | 28 | 23 | 26 | A  | A  | A  | A  | A  | A  | A  | 35 | A  | 40 | 29 | A  | A  | A      | 24 | 30 |    |
| 21      | 26 | 16     | 16 | 26 | 16 | 17 | 37 | 30 | 46 | 39 | 35 | 37 | 45 | 49 | A  | A  | 41 | A  | 36 | 25 | 19 | 36     | A  | 21 |    |
| 22      | 16 | 20     | A  | 20 | 17 | 17 | 23 | 28 | 38 | 37 | 37 | 41 | A  | 45 | 45 | 48 | A  | A  | 39 | A  | 51 | 25     | 16 | 30 |    |
| 23      | 19 | 14     | 13 | 13 | 13 | 15 | 24 | 27 | 38 | 35 | 38 | 43 | 46 | A  | A  | C  | C  | 26 | 27 | 41 | 62 | 50     | 31 | 38 |    |
| 24      | C  | C      | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C      | C  | C  | C  |
| 25      | C  | C      | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | C      | C  | C  | C  |
| 26      | C  | C      | C  | C  | C  | C  | C  | C  | C  | C  | C  | C  | 54 | 40 | 38 | 43 | 37 | A  | 38 | 25 | 29 | 37     | 38 | 30 | 16 |
| 27      | 26 | A      | A  | 12 | 11 | 17 | 23 | 32 | 32 | 35 | C  | 39 | 38 | 35 | 34 | C  | 41 | A  | 28 | 22 | 21 | 20     | 15 | 34 |    |
| 28      | 15 | 12     | 16 | 20 | 15 | 14 | 23 | 37 | 32 | A  | 35 | A  | 40 | A  | 36 | 36 | 34 | 31 | 45 | 21 | E  | E      | 30 | 30 |    |
| 29      | A  | A      | 20 | 16 | 14 | C  | 22 | 31 | 37 | A  | 35 | 35 | 43 | 46 | 44 | 34 | 31 | 30 | 28 | A  | A  | 12     | 34 | 23 |    |
| 30      | A  | E 13 B | 26 | 16 | E  | 16 | 21 | 29 | 43 | 34 | 34 | 42 | 37 | 37 | 39 | A  | 37 | 46 | 30 | A  | 33 | 25     | 16 | у  |    |
| 31      | 11 | 21     | E  | E  | 12 | 14 | 12 | 30 | 40 | A  | 45 | A  | 35 | 39 | 36 | 34 | 32 | 32 | 28 | 30 | 33 | 19     | 14 | 16 |    |
| Медиана | 21 | 15     | 16 | 16 | 14 | 17 | 24 | 31 | 37 | 34 | 36 | 37 | 38 | 37 | 36 | 34 | 34 | 31 | 28 | 22 | 18 | 20     | 21 | 22 |    |
| Учено   | 27 | 26     | 25 | 25 | 25 | 23 | 25 | 25 | 24 | 24 | 26 | 27 | 24 | 24 | 22 | 24 | 24 | 25 | 26 | 27 | 27 | 28     | 25 | 24 |    |

Пробег частоты от 1.0 Мгц до 15.0 Мгц 0.5 мин.

Станция автоматическая (ручная, автоматическая)

# МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД

$f_{min}$  0,1 Мгц. июль 1965г.  
(характеристика) (единицы) (месяц) (год)

## ИОНОСФЕРНЫЕ ДАННЫЕ

ТБИЛИССКИЙ ГОСУНИВЕРСИТЕТ  
(институт)

Станция ТБИЛИСИ

Кем составлена ЛОМАШВИЛИ Л.Г.

Долгота 44°48' E широта 41°43' N

поясное время 45° E

Кем подсчитана ЛОМАШВИЛИ Л.Г.

| Дни     | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10     | 11     | 12 | 13 | 14 | 15     | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---------|----|----|----|----|----|----|----|----|----|----|--------|--------|----|----|----|--------|----|----|----|----|----|----|----|----|
| 1       | 11 | 10 | 10 | 10 | 10 | 12 | 13 | 11 | 10 | 13 | 12     | 15     | c  | c  | c  | c      | c  | 12 | 11 | 11 | 10 | 12 | 11 | 11 |
| 2       | 10 | 10 | 10 | 10 | 10 | 11 | 12 | 10 | 10 | 12 | 13     | 13     | 15 | 13 | c  | E 21 c | 13 | 13 | 12 | 11 | 10 | 11 | 11 | 11 |
| 3       | 10 | 10 | 10 | 10 | 10 | 11 | 13 | 13 | 14 | 16 | 15     | 16     | 15 | 16 | 15 | 14     | 14 | 12 | 12 | 11 | 10 | 10 | 10 | 10 |
| 4       | 10 | 10 | 10 | 10 | 10 | 11 | 11 | 10 | 10 | 11 | 11     | 11     | 10 | 12 | 10 | 10     | 10 | 10 | 11 | 10 | 10 | 10 | 10 | 10 |
| 5       | 10 | 10 | 10 | 10 | 10 | 11 | 11 | 10 | 10 | 10 | 10     | 11     | c  | 11 | c  | 11     | 14 | 13 | 11 | 11 | 11 | 10 | c  | c  |
| 6       | 10 | 10 | 10 | 10 | 10 | 11 | 10 | 11 | 11 | 11 | 12     | 18     | 16 | 13 | 14 | 14     | 12 | 12 | 11 | 11 | 10 | 10 | 10 | 11 |
| 7       | 11 | 10 | 10 | 10 | 10 | 11 | 11 | 10 | 10 | 11 | 11     | 10     | 12 | 13 | 11 | 14     | 12 | 11 | 11 | 11 | 10 | c  | c  | c  |
| 8       | 10 | 10 | 10 | 10 | 10 | c  | 10 | 10 | 10 | 10 | 10     | 15     | 15 | 17 | 14 | 12     | 11 | 11 | 11 | 10 | 10 | 10 | 10 | 10 |
| 9       | c  | c  | c  | c  | c  | c  | c  | c  | c  | c  | c      | c      | 15 | 11 | 11 | 10     | 11 | 11 | 11 | 11 | 11 | 11 | 11 | c  |
| 10      | 10 | 10 | 10 | 10 | 10 | 11 | 11 | 10 | 10 | 10 | 10     | 11     | 10 | 11 | 15 | 17     | 15 | 13 | 13 | 11 | 11 | 10 | 10 | 10 |
| 11      | 10 | 10 | 10 | 10 | 10 | 10 | 11 | 10 | 10 | 10 | 10     | 11     | 15 | c  | c  | 15     | 12 | 13 | 12 | 11 | 11 | 11 | 11 | 11 |
| 12      | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10     | 10     | 10 | 10 | 10 | 10     | 10 | 12 | 11 | 10 | 10 | 10 | 10 | 10 |
| 13      | 14 | 10 | c  | c  | c  | c  | c  | c  | c  | c  | c      | 14     | 16 | 17 | 15 | 14     | 15 | 13 | 13 | 12 | 11 | 11 | 10 | 10 |
| 14      | 11 | 10 | 10 | 10 | 10 | 12 | 11 | 11 | 10 | 10 | 10     | 14     | 13 | 10 | 10 | 11     | 13 | 11 | 11 | 11 | 10 | 11 | 10 | 10 |
| 15      | c  | c  | c  | c  | c  | c  | c  | c  | c  | 15 | E 20 c | E 20 c | 14 | 11 | 11 | E 20 c | 12 | c  | c  | c  | c  | c  | c  | 10 |
| 16      | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | c  | 16     | 12     | c  | c  | c  | c      | c  | c  | c  | c  | c  | c  | c  | c  |
| 17      | 10 | 10 | 10 | 10 | 10 | 11 | 11 | 11 | c  | 14 | 14     | c      | c  | c  | c  | 13     | 14 | 15 | 13 | 11 | 12 | 11 | 11 | 11 |
| 18      | c  | 10 | 10 | 10 | 10 | 11 | 11 | 10 | 10 | c  | 11     | 12     | c  | c  | c  | c      | c  | 13 | 11 | 11 | 10 | 10 | 10 | 11 |
| 19      | c  | 10 | 10 | 10 | 10 | 10 | 11 | 10 | 10 | 11 | 12     | 15     | 15 | 13 | 17 | 16     | 13 | 11 | 11 | 11 | 10 | 13 | 11 | 11 |
| 20      | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 11 | 13 | 13 | 16     | 11     | 14 | 16 | 15 | 14     | 11 | 10 | 11 | 10 | 10 | 12 | 10 | 10 |
| 21      | 11 | 10 | 10 | 10 | 10 | 11 | 11 | 13 | 11 | 13 | 12     | 14     | 16 | 15 | 14 | 17     | 13 | 12 | 11 | 11 | 11 | 11 | 11 | 12 |
| 22      | 10 | 10 | 11 | 10 | 10 | 12 | 12 | 10 | 12 | 13 | 13     | 13     | 16 | 15 | 16 | 14     | 14 | 16 | 13 | 12 | 13 | 11 | 11 | 11 |
| 23      | 11 | 10 | 10 | 10 | 10 | 11 | 11 | 10 | 10 | 10 | 10     | 10     | 12 | 14 | 10 | c      | c  | 11 | 11 | 11 | 11 | 11 | 11 | 12 |
| 24      | c  | c  | c  | c  | c  | c  | c  | c  | c  | c  | c      | c      | c  | c  | c  | c      | c  | c  | c  | c  | c  | c  | c  | c  |
| 25      | c  | c  | c  | c  | c  | c  | c  | c  | c  | c  | c      | c      | c  | c  | c  | c      | c  | c  | c  | c  | c  | c  | c  | c  |
| 26      | c  | c  | c  | c  | c  | c  | c  | c  | c  | c  | c      | c      | 12 | 13 | 13 | 13     | 12 | 13 | 12 | 12 | 11 | 11 | 11 | 11 |
| 27      | 11 | 11 | 10 | 10 | 11 | 12 | 11 | 11 | 10 | 10 | c      | 12     | 10 | 13 | 13 | c      | 12 | 11 | 11 | 11 | 11 | 11 | 12 | 11 |
| 28      | 11 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 11     | 13     | 14 | 12 | 13 | 10     | 10 | 11 | 11 | 10 | 10 | 10 | 10 | 11 |
| 29      | 14 | 10 | 10 | 10 | 10 | 11 | 11 | 12 | 10 | 10 | 14     | 15     | 17 | 16 | 15 | 17     | 13 | 13 | 11 | 11 | 10 | 11 | 14 | 11 |
| 30      | 13 | 13 | 15 | 10 | 10 | 11 | 12 | 12 | 14 | 14 | 15     | 18     | 15 | 19 | 17 | 14     | 13 | 11 | 11 | 10 | 10 | 11 | 12 | 15 |
| 31      | 11 | 12 | 10 | 10 | 10 | 10 | 12 | 14 | 16 | 13 | 17     | 18     | 18 | 16 | 16 | 17     | 13 | 12 | 10 | 10 | 10 | 10 | 10 | 10 |
| Медиана | 10 | 15 | 10 | 10 | 10 | 11 | 11 | 10 | 10 | 11 | 12     | 13     | 15 | 13 | 14 | 14     | 13 | 12 | 11 | 11 | 10 | 11 | 11 | 11 |
| Учено   | 24 | 26 | 25 | 25 | 25 | 24 | 25 | 25 | 24 | 24 | 26     | 27     | 24 | 24 | 22 | 24     | 25 | 27 | 27 | 27 | 27 | 28 | 26 | 25 |

Пробег частоты от \_\_\_\_\_ Мгц до \_\_\_\_\_ Мгц \_\_\_\_\_ мин.

Станция \_\_\_\_\_

(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД

(M-3000) F1  
 (характеристика) (единицы) (месяц) (год)  
 ИЮЛЬ 1965г.

ТБИЛИССКИЙ ГОСУНИВЕРСИТЕТ  
 (ИНСТИТУТ)

ИОНОСФЕРНЫЕ ДАННЫЕ

Станция ТБИЛИСИ

Кем составлена Ломтавили Л.Г.

Долгота 44° 48' E широта 41° 43' N

поясное время 45° E

Кем подсчитана Ломтавили Л.Г.

| Дни     | 00 | 01 | 02 | 03 | 04 | 05 | 06  | 07  | 08  | 09     | 10  | 11     | 12    | 13     | 14    | 15     | 16     | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---------|----|----|----|----|----|----|-----|-----|-----|--------|-----|--------|-------|--------|-------|--------|--------|----|----|----|----|----|----|----|
| 1       |    |    |    |    |    | L  | L   | A   | A   | A      | A   | A      | C     | C      | C     | C      | C      | L  | L  | A  | A  |    |    |    |
| 2       |    |    |    |    |    | L  | 350 | L   | 360 | A      | A   | A      | 390   | A      | C     | A      | и 390R | A  | L  |    |    |    |    |    |
| 3       |    |    |    |    |    |    | L   | A   | A   | A      | A   | A      | A     | 400    | A     | A      | A      | L  | A  |    |    |    |    |    |
| 4       |    |    |    |    |    | L  | A   | A   | 365 | A      | A   | 430    | A     | 375    | 375   | 380    | A      | A  | A  | A  |    |    |    |    |
| 5       |    |    |    |    |    | L  | L   | L   | A   | A      | A   | A      | C     | 385    | C     | A      | C      | C  | A  | A  |    |    |    |    |
| 6       |    |    |    |    |    |    | L   | L   | 370 | A      | A   | и 415R | A     | A      | 390   | 370    | 360    | A  | L  | L  |    |    |    |    |
| 7       |    |    |    |    |    |    | L   | L   | A   | L      | 400 | 420    | L     | L      | 400   | 385    | A      | L  | L  | A  |    |    |    |    |
| 8       |    |    |    |    |    |    | A   | L   | L   | L      | 330 | 420    | 430   | 410    | A     | A      | A      | A  | C  | A  |    |    |    |    |
| 9       |    |    |    |    |    |    | C   | C   | C   | C      | C   | C      | L     | и 400R | 380   | A      | A      | L  | A  |    |    |    |    |    |
| 10      |    |    |    |    |    |    | L   | A   | 370 | 385    | A   | A      | A     | 400    | 400   | 400    | 380    | C  |    |    |    |    |    |    |
| 11      |    |    |    |    |    |    | L   | L   | A   | A      | A   | 410    | 410 H | C      | C     | A      | L      | L  | L  | A  |    |    |    |    |
| 12      |    |    |    |    |    |    | L   | A   | A   | A      | A   | A      | A     | A      | A     | A      | 365    | A  | L  |    |    |    |    |    |
| 13      |    |    |    |    |    |    | C   | C   | C   | C      | 400 | 410    | L     | 400    | 400   | и 400R | A      | L  | L  |    |    |    |    |    |
| 14      |    |    |    |    |    |    | A   | A   | A   | A      | 400 | 420    | A     | 390    |       | 380    | L      | L  | L  | L  |    |    |    |    |
| 15      |    |    |    |    |    |    | C   | C   | C   | A      | A   | A      | 410 H | 370    | A     | A      | A      | C  | C  | C  |    |    |    |    |
| 16      |    |    |    |    |    |    | L   | A   | L   | C      | A   | A      | C     | C      | C     | C      | C      | C  | C  | C  |    |    |    |    |
| 17      |    |    |    |    |    | L  | L   | A   | C   | L      | L   | C      | C     | C      | C     | 395    | L      | L  |    |    |    |    |    |    |
| 18      |    |    |    |    |    |    | L   | L   | L   | C      | 405 | 420    | C     | C      | C     | C      | C      | L  | L  | L  |    |    |    |    |
| 19      |    |    |    |    |    |    | A   | A   | A   | A      | A   | 420    | A     | 400    | 400 H | 385    | 370    | L  | L  |    |    |    |    |    |
| 20      |    |    |    |    |    |    | L   | A   | A   | A      | A   | A      | A     | A      | A     | и 385R | A      | A  | L  | A  | A  | A  |    |    |
| 21      |    |    |    |    |    |    | A   | A   | A   | A      | 420 | и 410R | A     | A      | A     | A      | A      | A  | A  | A  |    |    |    |    |
| 22      |    |    |    |    |    |    |     | L   | A   | 380    | 370 | R      | A     | A      | A     | A      | A      | A  | A  | A  |    |    |    |    |
| 23      |    |    |    |    |    |    | L   | L   | A   | 390    | 425 | A      | A     | A      | A     | C      | C      | L  | L  |    |    |    |    |    |
| 24      |    |    |    |    |    |    | C   | C   | C   | C      | C   | C      | C     | C      | C     | C      | C      | C  | C  | C  |    |    |    |    |
| 25      |    |    |    |    |    |    | C   | C   | C   | C      | C   | C      | C     | C      | C     | C      | C      | C  | C  | C  |    |    |    |    |
| 26      |    |    |    |    |    |    | C   | C   | C   | C      | C   | A      | A     | L      | A     | и 395R | A      | A  | L  |    |    |    |    |    |
| 27      |    |    |    |    |    |    | L   | L   | 375 | и 385L | C   | 425    | 385   | 400 H  | 415   | C      | A      | A  | L  | L  |    |    |    |    |
| 28      |    |    |    |    |    |    | L   | A   | 360 | A      | 385 | A      | A     | A      | 380   | 410    | L      | L  | A  |    |    |    |    |    |
| 29      |    |    |    |    |    |    | L   | 380 | A   | A      | 410 | R      | A     | A      | A     | A      | L      | L  |    | A  | A  |    |    |    |
| 30      |    |    |    |    |    |    |     |     | A   | 400    | 405 | L      | 400   | 360    | 360   | A      | L      | A  | L  |    |    |    |    |    |
| 31      |    |    |    |    |    |    | L   |     | A   | A      | A   | A      | 395   | 350    | 365   | и 365L | 370    | L  | L  |    |    |    |    |    |
| Медиана |    |    |    |    |    |    | 350 | 380 | 370 | 385    | 400 | 420    | 400   | 400    | 390   | 385    | 370    |    |    |    |    |    |    |    |
| Учено   |    |    |    |    |    |    | 1   | 1   | 6   | 5      | 11  | 11     | 7     | 13     | 11    | 12     | 6      |    |    |    |    |    |    |    |

Пробег частоты от 1.0 Мгц до 10.0 Мгц 0.5 мин.

Станция автоматическая

(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД

(M-3000) F2 0,01 Июль 1965г.  
(характеристика) (единицы) (месяц) (год)

ТБИЛИССКИЙ ГОСУНИВЕРСИТЕТ  
(институт)

ИОНОСФЕРНЫЕ ДАННЫЕ

Станция ТБИЛИСИ

Кем составлена ЛОМАШВИЛИ Л.Г.

Долгота 44° 48' E широта 41° 43' N

поясное время 45° E

Кем подсчитана ЛОМАШВИЛИ Л.Г.

| Дни     | 00      | 01      | 02      | 03      | 04      | 05      | 06      | 07      | 08      | 09      | 10      | 11      | 12      | 13      | 14      | 15      | 16      | 17      | 18      | 19      | 20      | 21      | 22      | 23      |       |     |        |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|-----|--------|
| 1       | 300     | 305     | 300 V   | 295     | 300     | 300     | 345     | 350     | A       | 305     | 345     | A       | C       | C       | C       | C       | 300     | 320     | 310     | 300     | A       | 315     | A       |         |       |     |        |
| 2       | A       | R       | u290R   | 300     | 300     | 290 F   | 310     | 320     | 300     | A       | A       | 305     | 300     | 295     | C       | A       | 300     | A       | 310     | 305     | A       | 300     | 310     | 330     |       |     |        |
| 3       | 320     | 305     | 270 F   | u275 F  | u290 F  | 300     | R       | 325     | A       | A       | A       | 325     | A       | 280     | 265     | 300     | 325     | 335     | A       | 300     | 295     | 290     | u310 F  | u320 F  |       |     |        |
| 4       | F       | F       | F       | F       | F       | 295 F   | 330     | C       | 270 F   | 325     | 320     | 325     | A       | 305     | 315     | 325     | A       | A       | A       | A       | 310     | 315     | u315 S  | F       |       |     |        |
| 5       | F       | A       | F       | F       | F       | F       | 300     | 330     | 330     | A       | A       | A       | C       | 300     | C       | R       | C       | C       | 320     | 330     | F       | F       | C       | C       |       |     |        |
| 6       | u300 S  | u300 S  | F       | 305     | 310     | 300     | 315     | 350     | 300     | 330     | 285     | 290     | 290     | 330     | 260     | 290     | 290     | 305     | 290     | 310     | 330     | 300     | 335     | A       |       |     |        |
| 7       | A       | 290 F   | 300 F   | 305 F   | 330 F   | 320 V   | 280 V   | 320     | 305     | 310 V   | 340     | 300     | 305     | 305     | 295     | 310     | 315 V   | 330     | 290     | 300     | 360     | C       | C       | C       |       |     |        |
| 8       | A       | A       | 280     | 285 F   | F       | C       | 250     | 330     | 340     | 260     | 265     | 280     | 320     | 325     | 335     | A       | 340     | 305     | C       | 285     | 305     | u290 F  | F       | F       |       |     |        |
| 9       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | 280     | 260     | 300     | 305     | A       | 310     | A       | 305     | 310     | 300 V   | C     |     |        |
| 10      | 300     | A       | 300 V   | 300     | R       | 270 H   | 305 F   | 310     | 300 H   | 310     | 280     | A       | A       | 310     | 310     | 310     | 290     | C       | 320     | 325     | 300     | R       | 315     | A       |       |     |        |
| 11      | 300 F   | A       | 300     | u310 F  | 305 F   | 330 F   | 360     | 335     | 295     | 330     | 315     | 290     | 290     | C       | C       | 305     | 330     | 330     | 300     | 305     | 300 V   | u310 S  | C       | A       |       |     |        |
| 12      | F       | F       | A       | A       | u290 F  | u300 F  | 310     | u310 F  | A       | A       | A       | A       | A       | A       | A       | A       | 300     | 315     | 315     | 305     | 300     | u310 F  | F       | F       |       |     |        |
| 13      | F       | F       | C       | C       | C       | C       | C       | C       | C       | C       | 310     | 305 V   | 305     | 295 V   | 290 V   | 305     | 305     | 300     | 300     | 330     | 310     | 320     | 350     | 310 F   |       |     |        |
| 14      | u300 F  | 300     | 300     | F       | u330 F  | 300     | A       | 310     | 300     | 300     | 305     | 310     | 330     | 270     | 380     | 310     | 315     | 340     | 315     | 300     | 305     | 300     | 300     | 300     |       |     |        |
| 15      | C       | C       | C       | C       | C       | C       | C       | C       | C       | 280     | 285     | 315     | 340     | 280     | 290     | 290     | A       | C       | C       | C       | C       | C       | 320     | 290     | A     |     |        |
| 16      | S       | F       | 295 F   | F       | 300 F   | 305     | 305     | 325     | 320     | C       | 315     | 315     | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | 295     | C       | C     |     |        |
| 17      | 335     | 310 F   | 315     | 320     | u320 F  | 305     | 320     | A       | C       | 320     | F       | C       | C       | C       | C       | 335     | 310     | 335     | 325     | 320     | 310     | A       | S       | u320 F  |       |     |        |
| 18      | C       | 305     | 310     | 300     | 305     | 340     | 335     | 320     | 300     | C       | 310     | 315     | C       | C       | C       | C       | C       | 330     | 320     | 315     | 320     | 300     | 300     | 320     |       |     |        |
| 19      | C       | F       | u310 F  | u305 F  | 330 F   | A       | A       | A       | 300     | A       | 310     | 310     | 270     | 270     | 280     | 290     | 300     | 310     | 300     | 320     | 305     | R       | 300     | 350     |       |     |        |
| 20      | 325 F   | 310 F   | A       | A       | A       | 305 F   | 325     | 360     | A       | A       | A       | A       | A       | A       | A       | 310     | A       | 330     | 320     | A       | A       | A       | 310     | 315     |       |     |        |
| 21      | 300     | 315     | R       | 270     | 310     | 315     | 360     | 390 V   | 345     | A       | R       | u325 R  | u325 R  | 330     | A       | A       | 300     | A       | 325     | 305     | 320     | 315 V   | A       | 330     |       |     |        |
| 22      | u315 R  | u300 R  | A       | 295     | 300 F   | 320     | 300     | 320     | 315     | 310     | 300     | 315     | A       | 305     | 300     | A       | A       | A       | 320     | A       | 305     | 300     | 305     | 330     |       |     |        |
| 23      | 310     | C       | 305     | 290     | 300     | 285 H   | 320     | 315     | 310     | 335     | 325     | 315     | 315     | A       | A       | C       | C       | 320     | 320     | 290     | A       | u300 R  | 340     | 310     |       |     |        |
| 24      | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C     |     |        |
| 25      | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C     |     |        |
| 26      | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | 305     | 310     | 290     | 315     | 300     | A       | 330     | 320     | 300     | 300     | 300 H | 330 | u300 R |
| 27      | 335     | A       | A       | 285 F   | 295     | 290 V   | 320 V   | 330     | 320     | 315     | C       | 300 V   | 315     | 310     | 330     | C       | 320     | A       | 300     | 290     | 295     | 310     | S       | 340     |       |     |        |
| 28      | 350     | 295     | 295 F   | 305 F   | 300 F   | 300     | 340     | 315     | 315     | A       | 305     | A       | 280     | A       | 310     | 300     | 335     | 295     | A       | 290     | A       | A       | F       | 300     |       |     |        |
| 29      | A       | A       | 300     | 305     | 310     | C       | 315     | 320     | 350     | A       | 300     | R       | 290     | 280     | 310     | 325     | 335     | 315     | 305     | A       | A       | R       | 340     | 320     |       |     |        |
| 30      | A       | u290 R  | R       | u285 R  | 290     | 310     | 320 H   | 340     | A       | 320     | 300     | 320     | 295     | 295     | 290     | A       | 300     | u310 R  | 315     | A       | u320 R  | F       | u305 F  | u320 F  |       |     |        |
| 31      | C       | 300     | A       | 300     | 320     | 320     | 315     | 310 F   | 340     | A       | 315     | A       | 285     | 290     | 310     | 295     | 285     | 330     | 355     | 350     | 300     | 305     | 300     | 305     |       |     |        |
| Медиава | 30      | 10      | 10      | 20      | 15      | 20      | 25      | 15      | 30      | 20      | 15      | 15      | 25      | 30      | 25      | 10      | 25      | 20      | 20      | 20      | 10      | 10      | 30      | 20      |       |     |        |
| Учено   | 13      | 13      | 15      | 19      | 20      | 21      | 22      | 22      | 19      | 14      | 19      | 19      | 18      | 20      | 18      | 17      | 18      | 20      | 22      | 22      | 21      | 19      | 19      | 17      |       |     |        |
|         | 300/330 | 300/310 | 295/305 | 285/305 | 300/315 | 300/320 | 305/330 | 315/330 | 300/330 | 305/325 | 300/315 | 300/315 | 290/315 | 280/310 | 290/315 | 300/310 | 300/325 | 310/330 | 300/320 | 300/320 | 300/310 | 300/310 | 300/330 | 310/330 |       |     |        |

Пробег частоты от 1.0 Мгц до 10.0 Мгц 0.5 мин.

Станция автоматическая.

(ручная, автоматическая)



# МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД

№ КМ. июль 1965 г.  
(характеристика) (единицы) (месяц) (год)

ТБИЛИССКИЙ ГОСУНИВЕРСИТЕТ  
(институт)

## ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена ЛОМАШВИЛИ А.Г.

Станция ТБИЛИСИ

поясное время 45° E

Кем подсчитана ЛОМАШВИЛИ А.Г.

Долгота 44° 48' E широта 41° 43' N

| Дни     | 00      | 01      | 02      | 03      | 04      | 05      | 06      | 07      | 08      | 09      | 10      | 11      | 12      | 13      | 14      | 15      | 16      | 17      | 18      | 19      | 20      | 21      | 22      | 23      |       |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|
| 1       | 270     | 305     | 300     | 290     | 290     | 330     | 230     | A       | A       | A       | A       | A       | C       | C       | C       | C       | C       | E290A   | 240     | A       | A       | 260     | A       | C       |       |
| 2       | A       | 280     | 270     | 270     | 300     | 250     | E235A   | 220     | A       | A       | A       | A       | 220     | A       | C       | A       | 225     | A       | A       | U300A   | A       | 295     | 245     | 250     |       |
| 3       | 230     | 230     | 290     | 300     | 250     | 230     | 240     | A       | A       | A       | A       | E280A   | A       | 190     | E300A   | A       | A       | 210     | E250A   | 290     | 260     | 255     | 220     | 240     |       |
| 4       | 300     | A       | 310     | 335     | 325     | 235     | 280     | A       | A       | 235     | A       | A       | 195     | E205A   | 215     | 265     | E255A   | A       | A       | A       | A       | 275     | 260     | 255     | 285   |
| 5       | 305     | E270A   | 240     | 250     | 280     | 245     | 225     | 210     | A       | A       | A       | A       | C       | 230     | C       | A       | C       | C       | A       | A       | A       | 290     | 265     | C       | C     |
| 6       | 260     | 250     | 260     | 260     | 240     | 215     | 240     | 230     | 220     | A       | A       | 200     | A       | A       | 195     | 190     | 250     | E250A   | 250     | E250A   | 250     | 250     | 245     | A       |       |
| 7       | A       | 275     | 245     | 255     | 230     | 235     | 225     | A       | A       | 200     | 200     | 190     | 200     | 210     | 200     | 200     | E205A   | 220     | A       | A       | A       | C       | C       | C       |       |
| 8       | A       | A       | E325A   | 300     | E320A   | C       | A       | E235A   | 200     | 200     | 200     | 185     | 190     | 215     | A       | A       | A       | A       | C       | A       | 270     | 270     | 280     | 295     |       |
| 9       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | 230     | 200     | 230     | A       | A       | E300A   | A       | 310     | 260     | 265     | 275     | C       |       |
| 10      | 240     | E300A   | 345     | 280     | 250     | 220     | A       | A       | 215     | 190     | A       | A       | A       | 210     | 220     | 200     | 210     | E240C   | 275     | 250     | 260     | 260     | U270A   | A       |       |
| 11      | 280     | A       | E330A   | E320A   | 255     | 270     | 210     | 200     | A       | A       | E250A   | 190     | 190     | C       | C       | A       | 205     | A       | E300A   | A       | 250     | U260S   | C       | A       |       |
| 12      | 215     | 295     | A       | A       | 295     | 225     | 215     | A       | A       | A       | A       | A       | A       | A       | A       | A       | E240A   | E270A   | 225     | 275     | 220     | 250     | 265     | 300     |       |
| 13      | 290     | 225     | C       | C       | C       | C       | C       | C       | C       | C       | E290A   | 200     | 190     | 195     | 190     | 200     | A       | E245A   | 260     | 250     | 250     | 230     | 265     | 315     |       |
| 14      | 310     | 250     | 260     | 250     | 280     | 300     | A       | A       | A       | A       | 220     | 200     | E190A   | 180     | 200     | 200     | 200     | 210     | 210     | 250     | 280     | 260     | 250     | 270     |       |
| 15      | C       | C       | C       | C       | C       | C       | C       | C       | C       | A       | A       | A       | 185     | 260     | E230A   | A       | A       | A       | C       | C       | C       | C       | 215     | A       | A     |
| 16      | U320S   | 285     | 330     | 285     | 290     | 230     | 225     | A       | E260A   | C       | A       | A       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | 270     | C       | C     |
| 17      | 215     | 290     | 260     | 260     | 250     | 220     | 230     | A       | C       | E215A   | 205     | C       | C       | C       | C       | 190     | 235     | 215     | 210     | 210     | 240     | E260A   | 280     | 255     |       |
| 18      | C       | 250     | 280     | 280     | 250     | 220     | 220     | 220     | 200     | E200C   | 200     | 200     | C       | C       | C       | C       | C       | 200     | 200     | 230     | 225     | 290     | 250     | 250     |       |
| 19      | C       | 285     | 275     | 300     | E240A   | A       | A       | A       | A       | A       | A       | 180     | E195A   | 210     | 210     | 220     | 220     | E250A   | 225     | 260     | 235     | 230     | 250     | E280A   |       |
| 20      | 285     | 280     | A       | A       | A       | 220     | 240     | 255     | A       | A       | A       | A       | A       | A       | A       | A       | U215A   | A       | A       | U220A   | A       | A       | A       | 285     | E300A |
| 21      | 300     | 275     | 280     | E320A   | 285     | 240     | A       | A       | A       | E280A   | 190     | 200     | A       | A       | A       | A       | A       | A       | A       | A       | A       | 240     | 300     | E280A   | 260   |
| 22      | 250     | 320     | E320A   | 315     | 290     | 220     | 225     | 215     | A       | E220A   | 220     | A       | A       | A       | A       | A       | A       | A       | A       | A       | A       | 300     | 280     | 240     | 240   |
| 23      | 240     | E220A   | E270A   | E270A   | E295A   | 245     | 240     | 305     | E250A   | 220     | 200     | A       | A       | A       | A       | C       | C       | 220     | 250     | E300A   | A       | E320A   | 360     | 280     |       |
| 24      | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C     |
| 25      | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C     |
| 26      | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | A       | U255A   | 200     | E205A   | 210     | A       | A       | 230     | 300     | 290     | 300     | 240     | 255     |       |
| 27      | E260A   | A       | A       | E290A   | E260B   | E250A   | 250     | 230     | 200     | 230     | E215C   | 200     | E220A   | 190     | 185     | C       | A       | A       | 240     | 260     | 265     | 240     | 240     | 240     |       |
| 28      | 200     | 295     | 295     | 295     | 290     | 255     | 220     | 220     | A       | 220     | E210A   | 200     | A       | A       | A       | 220     | U230A   | 255     | E260A   | A       | 260     | A       | A       | 295     | 290   |
| 29      | A       | A       | 310     | 290     | 270     | E250C   | 230     | 225     | A       | A       | 200     | 200     | A       | A       | A       | 220     | 220     | 230     | 260     | A       | A       | A       | 225     | 250     | 255   |
| 30      | A       | 260     | E290A   | 280     | 270     | 245     | 275     | 230     | E215A   | 200     | 300     | E200A   | 200     | 250     | U260A   | A       | U270A   | A       | A       | A       | A       | 270     | 300     | 270     | 220   |
| 31      | 240     | 295     | E280A   | 270     | 240     | 255     | 215     | 225     | A       | A       | A       | A       | 190     | 265     | 220     | 265     | 215     | E280A   | E235A   | 240     | 280     | 265     | 265     | 245     |       |
| Медiana | 65      | 45      | 40      | 30      | 45      | 35      | 20      | 15      | 30      | E20     | 10      | 10      | 30      | 35      | 30      | 20      | 30      | E45     | 30      | 45      | 35      | 25      | 30      | 40      |       |
| Учено   | 19      | 22      | 22      | 23      | 24      | 23      | 19      | 14      | 10      | 11      | 14      | 14      | 14      | 15      | 15      | 13      | 13      | 16      | 17      | 16      | 20      | 26      | 23      | 20      |       |
| Кварт   | 235/300 | 250/295 | 270/310 | 270/300 | 245/290 | 220/255 | 220/240 | 215/230 | 200/230 | 200/220 | 200/210 | 190/300 | 190/220 | 195/230 | 200/230 | 200/220 | 210/240 | 220/265 | 220/250 | 250/295 | 245/280 | 250/275 | 245/275 | 250/290 |       |

Пробег частоты от 1.0 Мгц до 10.0 Мгц 0.5 мин.

Станция автоматическая (ручная, автоматическая)

# МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД

h'F2 км. Июль 1965г.  
(характеристика) (единицы) (месяц) (год)

ТБИЛИССКИЙ ГОСУНИВЕРСИТЕТ  
(институт)

## ИОНОСФЕРНЫЕ ДАННЫЕ

Станция ТБИЛИСИ

Кем составлена ЛОМАШВИЛИ Л.Г.

Долгота 44° 48' E широта 41° 43' N

поясное время 45° E

Кем подсчитана ЛОМАШВИЛИ Л.Г.

| Дни     | 00 | 01 | 02 | 03 | 04 | 05  | 06     | 07     | 08     | 09     | 10     | 11  | 12     | 13   | 14     | 15     | 16     | 17     | 18     | 19     | 20  | 21 | 22 | 23 |
|---------|----|----|----|----|----|-----|--------|--------|--------|--------|--------|-----|--------|------|--------|--------|--------|--------|--------|--------|-----|----|----|----|
| 1       |    |    |    |    |    | 340 | 245    | 250    | I 300A | 350    | 295    | A   | C      | C    | C      | C      | C      | 360    | 300    | 300    | 310 |    |    |    |
| 2       |    |    |    |    |    | 370 | 305    | 300    | 395    | A      | A      | 350 | 400    | 435  | C      | A      | 375    | I 340A | 310    |        |     |    |    |    |
| 3       |    |    |    |    |    |     | 260    | 300    | E 400A | E 320A | A      | 290 | I 345A | 400  | 400    | 330    | 280    | 270    | A      |        |     |    |    |    |
| 4       |    |    |    |    |    | 375 | E 315A | E 400A | 400    | 315    | 320    | 285 | I 330A | 380  | 300    | 295    | I 300A | 300    | A      | A      |     |    |    |    |
| 5       |    |    |    |    |    | 320 | 330    | 280    | 300    | A      | A      | A   | C      | 320  | I 320c | 320    | C      | C      | 290    | 260    |     |    |    |    |
| 6       |    |    |    |    |    |     | 310    | 250    | 360    | 395    | 320    | 330 | 330    | 265  | 495    | 350    | 340    | 295    | 285    | 250    |     |    |    |    |
| 7       |    |    |    |    |    |     | L      | 300    | E 330A | 295    | 305    | 365 | 340    | 335  | 365    | 330    | 315    | 285    | 300    | I 275A | 245 |    |    |    |
| 8       |    |    |    |    |    |     | 360    | 265    | 270    | 460    | 480    | 360 | 320    | 300  | 315    | I 300A | 285    | 355    | I 330c | 305    |     |    |    |    |
| 9       |    |    |    |    |    |     | C      | C      | C      | C      | C      | C   | 430    | 420  | 375    | 340    | I 325A | 310    | A      |        |     |    |    |    |
| 10      |    |    |    |    |    |     | 345    | 290    | 330H   | 330    | 420    | A   | A      | 390  | 330    | 330    | 380    | C      |        |        |     |    |    |    |
| 11      |    |    |    |    |    |     | 225    | 280    | I 300A | 320    | 355    | 400 | 370    | C    | C      | 350    | 310    | 315    | 335    | E 295A |     |    |    |    |
| 12      |    |    |    |    |    |     | 315    | 315    | A      | A      | A      | A   | A      | A    | A      | A      | 390    | 320    | 295    |        |     |    |    |    |
| 13      |    |    |    |    |    |     | C      | C      | C      | C      | 300    | 310 | 325    | 370  | 400    | 350    | 315    | 320    | 300    |        |     |    |    |    |
| 14      |    |    |    |    |    |     | A      | 310    | 380    | 330    | 320    | 325 | 280    | 470  |        | 340    | 325    | 295    | 310    | 300    |     |    |    |    |
| 15      |    |    |    |    |    |     | C      | C      | C      | 390    | 385    | 315 | 295    | 400G | 405    | A      | A      | C      | C      | C      |     |    |    |    |
| 16      |    |    |    |    |    |     | 320    | I 320A | 315    | I 410c | 500    | 360 | C      | C    | C      | C      | C      | C      | C      | C      |     |    |    |    |
| 17      |    |    |    |    |    | 250 | 290    | A      | C      | 325    | 415    | C   | C      | C    | C      | 300    | 355    | 300    |        |        |     |    |    |    |
| 18      |    |    |    |    |    |     | 300    | 320    | 330    | I 330c | 325    | 315 | C      | C    | C      | C      | C      | 280    | 280    | 250    |     |    |    |    |
| 19      |    |    |    |    |    |     | A      | A      | 385    | A      | A      | 325 | 400    | 405  | 320    | 290    | 270    | 290    | 280    |        |     |    |    |    |
| 20      |    |    |    |    |    |     | 300    |        | A      | A      | A      | A   | A      | A    | A      | 370    | I 335A | 300    | 290    | A      | A   | A  |    |    |
| 21      |    |    |    |    |    |     | 270    | 250    | 300    | I 330A | 360    | 325 | 320    | 325  | A      | A      | 395    | I 330A | 260    | 260    |     |    |    |    |
| 22      |    |    |    |    |    |     |        | 305    | 300    | 320    | 330    | 305 | I 325A | 345  | 380    | A      | A      | A      | 290    | A      |     |    |    |    |
| 23      |    |    |    |    |    |     | 310    | 300    | 370    | 300    | 310    | 325 | 325    | A    | A      | C      | C      | 335    | 285    |        |     |    |    |    |
| 24      |    |    |    |    |    |     | C      | C      | C      | C      | C      | C   | C      | C    | C      | C      | C      | C      | C      | C      |     |    |    |    |
| 25      |    |    |    |    |    |     | C      | C      | C      | C      | C      | C   | C      | C    | C      | C      | C      | C      | C      | C      |     |    |    |    |
| 26      |    |    |    |    |    |     | C      | C      | C      | C      | C      | 325 | 315    | 380  | 340    | 380    | I 330A | 280    | 300    |        |     |    |    |    |
| 27      |    |    |    |    |    |     | 290    | 290    | 300    | 300    | I 320c | 345 | 335    | 340  | 305    | I 320c | 335    | A      | L      | 295    |     |    |    |    |
| 28      |    |    |    |    |    |     | 265    | 340    | 295    | I 305A | 315    | A   | U 465A | A    | 320    | 340    | 290    | 320    | A      |        |     |    |    |    |
| 29      |    |    |    |    |    |     | 325    | 295    | 270    | I 320A | 365    | 415 | 390    | 420  | 330    | 300    | 275    | 300    |        | A      | A   |    |    |    |
| 30      |    |    |    |    |    |     |        |        | A      | 325    | 350    | 330 | 400    | 400  | 410    | I 400A | 390    | 320    | 280    |        |     |    |    |    |
| 31      |    |    |    |    |    |     |        | 330    |        | 295    | I 300A | 300 | I 360A | 415  | 470    | 330    | 380    | 295    | 235    |        |     |    |    |    |
| Медиана |    |    |    |    |    | 85  | 50     | 30     | 70     | 30     | 65     | 45  | 70     | 80   | 80     | 40     | 75     | 25     | 20     | 40     |     |    |    |    |
| Учено   |    |    |    |    |    | 340 | U 300  | 300    | U 310  | 325    | 325    | 325 | 335    | 380  | 350    | 330    | 330    | 300    | 290    | 285    |     |    |    |    |
|         |    |    |    |    |    | 5   | 19     | 21     | 20     | 21     | 21     | 21  | 21     | 20   | 18     | 20     | 22     | 23     | 19     | 10     | 2   |    |    |    |
|         |    |    |    |    |    | 285 | 270    | 280    | 300    | 310    | 310    | 310 | 320    | 330  | 320    | 310    | 300    | 295    | 280    | 260    |     |    |    |    |
|         |    |    |    |    |    | 370 | 320    | 310    | 370    | 340    | 375    | 355 | 390    | 410  | 400    | 350    | 375    | 320    | 300    | 300    |     |    |    |    |

Пробег частоты от 1.0 Мгц до 10.0 Мгц 0.5 мин.

Станция автоматическая

(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД

ТБИЛИССКИЙ ГОСУНИВЕРСИТЕТ  
(институт)

Н<sup>0</sup>Е км июль 1965г  
(характеристика) (единицы) (месяц) (год)

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Ломатвили Л.Т.

Станция ТБИЛИСИ

поясное время 45° E

Кем подсчитана Ломатвили Л.Т.

Долгота 44° 48' E широта 41° 43' N

| Дни     | 00 | 01 | 02 | 03 | 04 | 05  | 06      | 07      | 08     | 09     | 10  | 11  | 12     | 13  | 14     | 15      | 16  | 17     | 18      | 19  | 20 | 21 | 22 | 23 |
|---------|----|----|----|----|----|-----|---------|---------|--------|--------|-----|-----|--------|-----|--------|---------|-----|--------|---------|-----|----|----|----|----|
| 1       |    |    |    |    |    | 120 | 115     | 105     | 100    | 100    | 100 | A   | C      | C   | C      | C       | C   | A      | A       | A   | A  |    |    |    |
| 2       |    |    |    |    |    | A   | 110     | 105     | 105    | 100    | 100 | 100 | 110    | A   | C      | 110     | 105 | 110    | 110     | E   |    |    |    |    |
| 3       |    |    |    |    |    |     | 100     | 110     | 110    | 115    | 110 | 110 | 110    | 110 | 110    | 110     | 110 | 110    | 110     | 110 |    |    |    |    |
| 4       |    |    |    |    |    |     | 110     | 105     | 105    | 100    | 105 | 105 | 100    | A   | A      | A       | A   | A      | A       |     |    |    |    |    |
| 5       |    |    |    |    |    | 130 | 120     | 105     | 105    | 105    | 105 | 100 | I 100c | 105 | I 105c | 105     | 105 | 110    | A       | A   |    |    |    |    |
| 6       |    |    |    |    |    | 145 | 105     | 105     | 105    | 105    | 105 | 110 | 105    | 105 | 100    | 110     | 110 | 110    | 110     | 120 |    |    |    |    |
| 7       |    |    |    |    | A  | 125 | I 115 A | 105     | 105    | 100    | 100 | 100 | 100    | 100 | 100    | 105     | 105 | 110    | II 110c | E   | A  |    |    |    |
| 8       |    |    |    |    |    | C   | 105     | 105     | 100    | 100    | 105 | 105 | 105    | 110 | 110    | 110     | 100 | E 130A | 110     | 120 |    |    |    |    |
| 9       |    |    |    |    |    | C   | C       | C       | C      | C      | C   | C   | A      | A   | 100    | 105     | 105 | 110    | 110     | A   |    |    |    |    |
| 10      |    |    |    |    |    | 115 | 110     | 100     | 105    | I 100c | 100 | A   | A      | A   | 110    | 105     | 110 | 110    | 110     | E   |    |    |    |    |
| 11      |    |    |    |    |    | A   | A       | 100     | 100    | 100    | 100 | 100 | 105    | C   | C      | A       | A   | 110    | 115     | 120 |    |    |    |    |
| 12      |    |    |    |    |    | A   | 100     | 100     | 100    | 100    | 100 | 100 | 100    | 100 | 100    | 100     | 100 | A      | A       |     |    |    |    |    |
| 13      |    |    |    |    |    | C   | C       | C       | C      | C      | 105 | 100 | 105    | 105 | 110    | 100     | 105 | 105    | I 110A  | 120 |    |    |    |    |
| 14      |    |    |    |    |    | 115 | 115     | 110     | 105    | 105    | 100 | 100 | 110    | 100 | 100    | A       | A   | 110    | 100     | 110 |    |    |    |    |
| 15      |    |    |    |    |    | C   | C       | C       | C      | 110    | 110 | 105 | 105    | 100 | 100    | II 100c | 100 | C      | C       | C   |    |    |    |    |
| 16      |    |    |    |    |    | 120 | 120     | 100     | 110    | I 105c | 100 | 100 | C      | C   | C      | C       | C   | C      | C       | C   |    |    |    |    |
| 17      |    |    |    |    |    | 130 | 105     | 105     | I 105c | 105    | 105 | C   | C      | C   | C      | 105     | 105 | 105    | 110     | 110 |    |    |    |    |
| 18      |    |    |    |    |    | 140 | 105     | 105     | A      | C      | 100 | 100 | C      | C   | C      | C       | C   | 110    | 110     | 110 |    |    |    |    |
| 19      |    |    |    |    |    | A   | 110     | II 105c | 100    | 100    | 100 | 100 | 100    | 100 | 105    | 100     | 105 | 105    | 105     | A   |    |    |    |    |
| 20      |    |    |    |    |    | A   | A       | A       | 110    | 105    | 100 | 100 | 100    | 100 | 105    | 105     | 105 | A      | A       | A   | A  | A  |    |    |
| 21      |    |    |    |    |    | A   | 110     | I 130A  | 150    | 105    | 100 | 105 | 110    | 105 | 105    | 105     | 100 | 105    | 110     | A   |    |    |    |    |
| 22      |    |    |    |    |    | A   | 105     | 105     | 105    | 105    | 105 | 105 | 105    | 105 | 105    | 105     | 105 | I 110A | 120     | 120 |    |    |    |    |
| 23      |    |    |    |    |    | 135 | 115     | 110     | 105    | 100    | 100 | 100 | 100    | 100 | A      | C       | C   | A      | 110     | 125 |    |    |    |    |
| 24      |    |    |    |    |    | C   | C       | C       | C      | C      | C   | C   | C      | C   | C      | C       | C   | C      | C       | C   |    |    |    |    |
| 25      |    |    |    |    |    | C   | C       | C       | C      | C      | C   | C   | C      | C   | C      | C       | C   | C      | C       | C   |    |    |    |    |
| 26      |    |    |    |    |    | C   | C       | C       | C      | C      | C   | 105 | 110    | 100 | 100    | 100     | 105 | I 110A | 110     |     |    |    |    |    |
| 27      |    |    |    |    |    | E   | 120     | 110     | 100    | 100    | 100 | 100 | 100    | 100 | A      | C       | A   | A      | 120     | 125 |    |    |    |    |
| 28      |    |    |    |    |    | 130 | 115     | 105     | 100    | 105    | 110 | 100 | 105    | 105 | 100    | 105     | 105 | 105    | 115     | 115 |    |    |    |    |
| 29      |    |    |    |    |    | C   | 115     | 110     | 110    | 105    | 105 | 100 | 110    | 110 | 110    | 110     | 110 | 115    | 120     | 120 |    |    |    |    |
| 30      |    |    |    |    |    | 130 | 120     | 110     | 110    | 100    | 100 | 100 | I 100A | 105 | 105    | 100     | 110 | 105    | 110     | 120 |    |    |    |    |
| 31      |    |    |    |    |    | 125 | 120     | 115     | 105    | 105    | 105 | 105 | A      | A   | A      | A       | A   | A      | A       |     |    |    |    |    |
| Медiana |    |    |    |    |    | 130 | 110     | 105     | 105    | 105    | 100 | 100 | 105    | 105 | 105    | 105     | 105 | 110    | 110     | 120 |    |    |    |    |
| Учено   |    |    |    |    |    | 13  | 23      | 24      | 24     | 25     | 27  | 25  | 22     | 19  | 19     | 20      | 20  | 20     | 21      | 17  |    |    |    |    |

Пробег частоты от 1.0 МГц до 10.0 МГц 0.5 мин.

Станция автоматическая.

(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД

h' Es км июль 1965г  
(характеристика) (единицы) (месяц) (год)

ТБИЛИССКИЙ ГОСУНИВЕРСИТЕТ  
(институт)

ИОНОСФЕРНЫЕ ДАННЫЕ

Станция ТБИЛИСИ

Кем составлена Ломашвили Л.Г.

Долгота 44° 48' E широта 41° 43' N

поясное время 45° E

Кем подсчитана Ломашвили Л.Г.

| Дни     | 00  | 01  | 02  | 03  | 04  | 05  | 06  | 07  | 08  | 09  | 10  | 11  | 12  | 13  | 14  | 15    | 16   | 17  | 18  | 19  | 20  | 21  | 22  | 23   |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|------|-----|-----|-----|-----|-----|-----|------|
| 1       | 100 | 100 | 100 | 100 | 105 | 125 | 125 | 110 | 115 | 110 | 105 | 100 | c   | c   | c   | c     | c    | 100 | 100 | 110 | 110 | 110 | 110 | 105  |
| 2       | 110 | 100 | 100 | 110 | 110 | 120 | 120 | 120 | 120 | 110 | 110 | 110 | 110 | 110 | c   | 125   | 125  | 120 | 110 | 110 | 110 | 110 | 100 | 100  |
| 3       | 100 | 100 | 100 | 100 | 100 | 100 | 120 | 120 | 115 | 120 | 115 | 115 | 115 | 120 | 115 | 110   | 110  | 110 | 115 | 115 | 115 | 115 | 120 | 110  |
| 4       | 110 | 105 | 100 | 105 | 105 | 130 | 120 | 120 | 120 | 120 | 110 | 120 | 105 | 105 | 105 | 100   | 100  | 100 | 100 | 110 | 110 | 110 | 110 | 110  |
| 5       | 110 | 105 | 100 | 100 | 100 | 100 | 100 | 120 | 115 | 110 | 110 | 105 | c   | 140 | c   | 105   | 110  | 105 | 105 | 100 | 105 | 115 | c   | c    |
| 6       | 100 | 100 | 100 | 100 | 100 | 100 | 160 | 150 | 120 | 115 | 110 | 120 | 110 | 110 | G   | 130   | 120  | 125 | 110 | 120 | 110 | 105 | 105 | 105  |
| 7       | 110 | 110 | 105 | 105 | 110 | 125 | 115 | 110 | 110 | 105 | 115 | 110 | 165 | 165 | 120 | E170G | 120  | 140 | 115 | 115 | 115 | c   | c   | c    |
| 8       | 105 | 105 | 105 | 105 | 105 | c   | 105 | 110 | 110 | 110 | 120 | 120 | 115 | 115 | 115 | 110   | 100  | 100 | 120 | 120 | 120 | 120 | 120 | 110  |
| 9       | c   | c   | c   | c   | c   | c   | c   | c   | c   | c   | c   | c   | c   | c   | c   | 100   | 105  | 120 | 120 | 115 | 115 | 110 | 110 | 105  |
| 10      | 105 | 100 | 100 | 100 | 100 | 125 | 120 | 120 | 120 | 110 | 100 | 100 | 100 | 100 | 120 | 120   | 120  | 120 | 110 | 110 | 110 | 110 | 110 | 110  |
| 11      | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 125 | 115 | 115 | 110 | 105 | 110 | c   | c   | 100   | 100  | 115 | 115 | 110 | 105 | 110 | 105 | 105  |
| 12      | 110 | 100 | 100 | 100 | 100 | 100 | 100 | 115 | 110 | 105 | 105 | 100 | 105 | 100 | 100 | 100   | 100  | 100 | 100 | 100 | 100 | 100 | 115 | 115  |
| 13      | B   | E   | c   | c   | c   | c   | c   | c   | c   | c   | 115 | 115 | 110 | 115 | 115 | 110   | 105  | 100 | 100 | 120 | 110 | 120 | 110 | 115  |
| 14      | 110 | 105 | 105 | 100 | 100 | 125 | 120 | 120 | 115 | 115 | 110 | 110 | 110 | 105 | 100 | 100   | 100  | 105 | 115 | 115 | 110 | 110 | 110 | 110  |
| 15      | c   | c   | c   | c   | c   | c   | c   | c   | c   | 120 | 120 | 115 | 120 | 115 | 115 | 110   | 110H | c   | c   | c   | c   | 105 | 110 | 110H |
| 16      | 100 | 100 | 100 | 100 | 100 | 125 | 120 | 115 | 115 | c   | 115 | 105 | c   | c   | c   | c     | c    | c   | c   | c   | c   | c   | 100 | c    |
| 17      | 105 | 105 | 105 | 110 | 115 | 150 | 115 | 115 | c   | 110 | 115 | c   | c   | c   | c   | 115   | G    | G   | G   | G   | B   | 105 | 105 | 100  |
| 18      | c   | 100 | 100 | 100 | 100 | 100 | G   | 140 | 105 | c   | 115 | 110 | c   | c   | c   | c     | c    | 120 | 120 | 125 | 110 | 110 | 110 | 110  |
| 19      | c   | 110 | 105 | 105 | 100 | 100 | 120 | 120 | 120 | 110 | 110 | 110 | 105 | 115 | 115 | 115   | 110  | 105 | 120 | 100 | 100 | 120 | 100 | 100  |
| 20      | 110 | 110 | 100 | 100 | 100 | 100 | 110 | 120 | 120 | 120 | 120 | 120 | 115 | 110 | 110 | 105   | 100  | 100 | 100 | 100 | 100 | 100 | 100 | 110  |
| 21      | 115 | 115 | 110 | 105 | 105 | 110 | 120 | 105 | 105 | 120 | 115 | 125 | 120 | 110 | 110 | 110   | 115  | 110 | 105 | 110 | 105 | 120 | 120 | 105  |
| 22      | 110 | 100 | 100 | 100 | 100 | 105 | 115 | 120 | 115 | 120 | 120 | 115 | 110 | 110 | 105 | 105   | 105  | 100 | 120 | 110 | 100 | 105 | 105 | 105  |
| 23      | 100 | 100 | 100 | 105 | 105 | 140 | 120 | 115 | 110 | 110 | 120 | 115 | 110 | 100 | 100 | c     | c    | 100 | 125 | 110 | 115 | 115 | 110 | 110  |
| 24      | c   | c   | c   | c   | c   | c   | c   | c   | c   | c   | c   | c   | c   | c   | c   | c     | c    | c   | c   | c   | c   | c   | c   | c    |
| 25      | c   | c   | c   | c   | c   | c   | c   | c   | c   | c   | c   | c   | c   | c   | c   | c     | c    | c   | c   | c   | c   | c   | c   | c    |
| 26      | c   | c   | c   | c   | c   | c   | c   | c   | c   | c   | c   | 115 | 120 | 120 | 115 | 110   | 110  | 105 | 115 | 100 | 105 | 110 | 110 | 110  |
| 27      | 105 | 100 | 100 | 100 | B   | 135 | 140 | 120 | 115 | 115 | c   | 105 | 105 | 105 | 100 | c     | 100  | 95  | 120 | 120 | 110 | 110 | 110 | 105  |
| 28      | 105 | 105 | 100 | 100 | 100 | 160 | 130 | 120 | 110 | 110 | 110 | 110 | 105 | 105 | 120 | 115   | 115  | 125 | 115 | 115 | 115 | 110 | 110 | 115  |
| 29      | 110 | 110 | 110 | 115 | 115 | 115 | 125 | 120 | 120 | 110 | 115 | 115 | 120 | 115 | 115 | 120   | 170  | 130 | 125 | 115 | 120 | 115 | 110 | 110  |
| 30      | 105 | B   | 105 | 105 | E   | 130 | 120 | 115 | 115 | 110 | 115 | 105 | 100 | 115 | 115 | 110   | 120  | 110 | 120 | 120 | 115 | 110 | 100 | 110  |
| 31      | B   | 100 | 100 | 115 | 110 | 105 | B   | 125 | 120 | 110 | 105 | 100 | 100 | 100 | 105 | 105   | 105  | 100 | 100 | 100 | 100 | 100 | 100 | 105  |
| Медиана | 105 | 100 | 100 | 100 | 100 | 120 | 120 | 120 | 115 | 110 | 115 | 110 | 110 | 110 | 115 | 110   | 110  | 105 | 115 | 110 | 110 | 110 | 110 | 110  |
| Учено   | 22  | 24  | 25  | 25  | 23  | 24  | 23  | 25  | 24  | 24  | 26  | 27  | 24  | 24  | 21  | 24    | 24   | 26  | 26  | 26  | 26  | 28  | 26  | 25   |

Пробег частоты от 1.0 Мгц до 15.0 Мгц 0.5 мин.

Станция автоматическая  
(ручная, автоматическая)

# МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД

hpF2 км июль 1965г.  
(характеристика) (единицы) (месяц) (год)

ТБИЛИССКИЙ ГОСУНИВЕРСИТЕТ  
(институт)

## ИОНОСФЕРНЫЕ ДАННЫЕ

Станция ТБИЛИСИ

Кем составлена ЛОМАШВИЛИ Л.Г.

Долгота 44°48' E широта 41°43' N

поясное время 45° E

Кем подсчитана ЛОМАШВИЛИ Л.Г.

| Дни     | 00     | 01     | 02     | 03     | 04     | 05     | 06     | 07     | 08    | 09    | 10     | 11  | 12     | 13  | 14  | 15     | 16    | 17  | 18     | 19  | 20     | 21     | 22     | 23     |     |
|---------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|-----|--------|-----|-----|--------|-------|-----|--------|-----|--------|--------|--------|--------|-----|
| 1       | 350    | 330    | 340 V  | 350    | 355    | 340    | 245    | 250    | A     | 380   | 295    | A   | C      | C   | C   | C      | C     | 360 | 360    | 305 | 320    | A      | 270    | A      |     |
| 2       | A      | R      | u350R  | 350    | 360    | 370 F  | 305    | 300    | G     | A     | A      | G   | G      | G   | C   | A      | G     | A   | 310    | 320 | A      | 340    | u300R  | 290    |     |
| 3       | 280    | 320    | 360 F  | u350 F | u320 F | 320    | u275 R | 300    | A     | A     | A      | 290 | A      | 430 | 480 | 340    | 280   | 280 | A      | 320 | 340    | 330    | u320 F | u280 F |     |
| 4       | u325 F | F      | F      | F      | u270 F | G      | A      | A      | 400 F | A     | 320    | 290 | A      | G   | 305 | 295    | A     | 300 | A      | A   | 330    | 310    | u290 S | u340 F |     |
| 5       | F      | A      | F      | F      | F      | u325 F | 330    | 280    | 300   | A     | A      | A   | C      | 325 | C   | u320 R | C     | C   | 290    | 290 | u300 F | F      | C      | C      |     |
| 6       | u330 S | u330 S | u310 F | 320    | 310    | 340    | 310    | 250    | 360   | 395   | 340    | 340 | 350    | 270 | G   | G      | 340   | 310 | u350 R | 300 | 290    | 320    | 275    | A      |     |
| 7       | A      | 360 F  | 320 F  | 330 F  | 285 F  | 270 V  | 270 V  | 300    | 330   | 300 V | G      | G   | G      | G   | G   | 330    | 325 V | 295 | 320    | A   | 300    | C      | C      | C      |     |
| 8       | A      | A      | 380    | 345 F  | A      | C      | A      | 280    | 275   | G     | G      | 365 | 320    | 300 | 315 | A      | A     | A   | C      | 305 | 330    | u350 F | u310 F | F      |     |
| 9       | C      | C      | C      | C      | C      | C      | C      | C      | C     | C     | C      | C   | C      | C   | C   | C      | C     | C   | C      | C   | C      | C      | C      | C      |     |
| 10      | 300    | A      | 365 V  | 340    | R      | 300 H  | 345 F  | 290    | 335 H | G     | G      | A   | A      | 330 | 330 | G      | G     | C   | 300    | 280 | u325 R | u320 R | 285    | A      |     |
| 11      | 340 F  | A      | 350    | u325 F | 320 F  | 275 F  | 235    | G      | A     | G     | G      | G   | G      | C   | C   | G      | G     | G   | 335    | 320 | 280 V  | 270    | C      | A      |     |
| 12      | u320 F | F      | A      | A      | u300 F | u315 F | 315    | u315 F | A     | A     | A      | A   | A      | A   | A   | A      | G     | 320 | 300    | 300 | 280    | u310 F | u325 F | F      |     |
| 13      | u280 F | F      | C      | C      | C      | C      | C      | C      | C     | C     | C      | C   | C      | C   | C   | C      | C     | C   | C      | C   | C      | C      | C      | C      |     |
| 14      | u340 F | 330    | 325    | F      | u285 F | 310    | A      | 310    | G     | 335   | 325    | 325 | G      | G   | 230 | G      | G     | 295 | 310    | 310 | 320    | 320    | 325    | 330    |     |
| 15      | C      | C      | C      | C      | C      | C      | C      | C      | C     | C     | C      | C   | C      | C   | C   | C      | C     | C   | C      | C   | C      | C      | C      | C      |     |
| 16      | A      | u350 F | 360 F  | u345 F | 350 F  | 320    | 320    | A      | 315   | C     | A      | G   | C      | C   | C   | C      | C     | C   | C      | C   | C      | C      | C      | 345    | C   |
| 17      | 275    | 330 F  | 325    | 300    | u320 F | 290    | 300    | A      | C     | 345   | u205 F | C   | C      | C   | C   | 305    | 400   | 300 | 270    | 310 | 300    | A      | u300 S | u300 F |     |
| 18      | C      | 320    | 315    | 310    | 305    | 250    | 300    | 320    | G     | C     | 325    | 315 | C      | C   | C   | C      | C     | C   | 280    | 290 | u300 R | u300 R | 330    | 300    | 290 |
| 19      | C      | F      | u310 F | u340 F | 260 F  | A      | A      | A      | G     | A     | A      | 325 | 400    | 415 | 350 | 315    | 290   | 300 | 330    | 290 | 300    | R      | 315    | 340    |     |
| 20      | 300 F  | 320 F  | A      | A      | A      | 320 F  | G      | 255    | A     | A     | A      | A   | A      | A   | A   | G      | A     | 300 | 295    | A   | A      | A      | u320 R | 330    |     |
| 21      | 320    | 300    | u300 R | A      | 320    | 320    | 270    | 250 V  | G     | A     | G      | G   | u325 R | G   | A   | A      | 395   | A   | 295    | 315 | 275    | 305 V  | A      | 280    |     |
| 22      | u300 R | u330 R | A      | 340    | 320 F  | 270    | 300    | 305    | 300   | 320   | 330    | 305 | A      | G   | A   | A      | A     | 300 | A      | 300 | 330    | 320    | 280    | 280    |     |
| 23      | 290    | 290 F  | 330    | 335    | 350    | 370 H  | 310    | 320    | 370   | 300   | 310    | G   | G      | A   | A   | C      | C     | G   | 300    | 340 | A      | u325 R | 275    | 315    |     |
| 24      | C      | C      | C      | C      | C      | C      | C      | C      | C     | C     | C      | C   | C      | C   | C   | C      | C     | C   | C      | C   | C      | C      | C      | C      |     |
| 25      | C      | C      | C      | C      | C      | C      | C      | C      | C     | C     | C      | C   | C      | C   | C   | C      | C     | C   | C      | C   | C      | C      | C      | C      |     |
| 26      | C      | C      | C      | C      | C      | C      | C      | C      | C     | C     | C      | A   | 320    | G   | G   | G      | A     | 280 | 300    | 300 | 300    | 340 H  | 275    | u300 R |     |
| 27      | 280    | A      | A      | 350 F  | 335    | 335 V  | 295 V  | 290    | 305   | 300   | C      | G   | G      | G   | G   | C      | G     | A   | 320    | 325 | 340    | 320    | u300 S | 270    |     |
| 28      | 255    | 340    | 340 F  | 320 F  | 320 F  | 325    | 265    | G      | 295   | A     | 320    | A   | A      | A   | 320 | G      | 295   | 320 | A      | 335 | A      | A      | F      | 295    |     |
| 29      | A      | A      | 360    | 340    | 300    | C      | 325    | 295    | G     | A     | 320    | G   | 380    | A   | 330 | 300    | 275   | 300 | 305    | A   | A      | u300 R | 265    | 290    |     |
| 30      | A      | u360 R | R      | u330 R | 330    | 280    | 360 H  | G      | A     | G     | G      | G   | G      | G   | G   | A      | G     | A   | 200    | A   | u295 R | F      | u320 F | u270 F |     |
| 31      | C      | 300    | A      | 315    | 280    | 290    | G      | 300 F  | G     | A     | 305    | A   | G      | G   | G   | G      | 360   | 295 | 255    | 280 | 320    | 325    | 320    | 325    |     |
| Медиана | 300    | 330    | 340    | 340    | 320    | 320    | 300    | 300    | 315   | 330   | 320    | 315 | 330    | 330 | 330 | 320    | 320   | 300 | 300    | 305 | 300    | 320    | 300    | 300    |     |
| Учено   | 16     | 15     | 17     | 19     | 21     | 21     | 19     | 18     | 11    | 8     | 12     | 10  | 7      | 7   | 10  | 9      | 10    | 17  | 22     | 21  | 22     | 21     | 22     | 18     |     |

Пробег частоты от 1.0 Мгц до 10.0 Мгц 0.5 мин.

Станция автоматическая

(ручная, автоматическая)

# МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД

Типы Е5 июль 1965 г  
(характеристика) (единицы) (месяц) (год)

ТБИЛИССКИЙ ГОСУНИВЕРСИТЕТ  
(институт)

## ИОНОСФЕРНЫЕ ДАННЫЕ

Станция ТБИЛИСИ

Кем составлена ЛОМАШВИЛИ Л.Г.

Долгота 44° 48' E широта 41° 43' N

поясное время 45°E

Кем подсчитана

| Дни     | 00 | 01 | 02 | 03 | 04     | 05     | 06     | 07     | 08     | 09 | 10 | 11 | 12     | 13     | 14     | 15 | 16     | 17     | 18     | 19 | 20 | 21 | 22 | 23 |   |
|---------|----|----|----|----|--------|--------|--------|--------|--------|----|----|----|--------|--------|--------|----|--------|--------|--------|----|----|----|----|----|---|
| 1       | f2 | f4 | f4 | f2 | f2     | c2     | c2     | c3     | c3     | c2 | c3 | e3 | c      | c      | c      | c  | e2     | e2     | e4     | e4 | f3 | f3 | f3 |    |   |
| 2       | f4 | f2 | f3 | f2 | f2     | e2     | c3     | c3     | c4     | c3 | c3 | c2 | c2     | e2     | c      | c2 | c2     | c3     | c2     | c3 | f4 | f4 | f2 | f3 |   |
| 3       | f3 | f4 | f4 | f3 | f2     | f3     | c2     | c3     | c3     | c3 | c3 | c2 | c2     | c1     | c2     | c2 | c2     | c1     | c3     | c4 | f5 | f3 | f4 | f6 |   |
| 4       | f2 | f2 | f2 | f3 | f4     | f4     | c3     | c3     | c3     | c3 | c2 | c2 | c3     | e1, c1 | e2     | e3 | e3     | e1     | e4, c1 | f4 | f4 | f4 | f4 | f2 |   |
| 5       | f5 | f8 | f2 | f2 | f4     | c3, e1 | c3, e1 | c3     | c3     | c4 | c4 | c3 | c      | c3     | c      | c2 | c2     | c2     | e2     | e5 | f4 | f2 | c  | c  |   |
| 6       | f3 | f2 | f2 | f2 | f2     | e2     | f3     | f2     | c3     | c3 | c2 | c1 | c2     | c2     | c      | c1 | c2     | c3     | c3     | c4 | f4 | f4 | f3 | f5 |   |
| 7       | f5 | f2 | f2 | f2 | e1, c2 | c4, e2 | c3     | c4     | c4     | c2 | c2 | c2 | f1, c1 | f1, c1 | c1, f1 | f1 | c2     | c2     | c3     | c4 | e3 | c  | c  | c  |   |
| 8       | f4 | f4 | f3 | f3 | f4     | c      | c3     | c2     | c2     | c2 | c1 | c1 | c1     | c2     | c2     | c3 | c3     | e2, c2 | c2     | c4 | f3 | f6 | f4 | f4 |   |
| 9       | c  | c  | c  | c  | c      | c      | c      | c      | c      | c  | c  | c  | c      | c1, e1 | c1, e1 | c3 | c2     | c3     | c3     | c5 | e3 | f3 | f3 | f3 | c |
| 10      | f4 | f7 | f3 | f2 | f2     | c4     | c4     | c5     | c3     | c2 | c3 | e3 | e3     | e2, c1 | c1     | c1 | c2     | c2     | c2     | c2 | f3 | f5 | f3 | f5 |   |
| 11      | f4 | f7 | f6 | f5 | f4     | e4     | e4, c2 | c2     | c3     | c3 | c2 | c2 | c2     | c      | c      | e3 | e2, c2 | c3     | c4     | c5 | f4 | f6 | f5 | f6 |   |
| 12      | f2 | f2 | f4 | f3 | f5     | e1, c3 | c3     | c4     | c5     | c5 | c4 | c4 | c3     | c4     | c4     | c3 | c4     | e2     | e3, c1 | f2 | f2 | f5 | f4 | f3 |   |
| 13      |    |    |    | c  | c      | c      | c      | c      | c      | c  | c2 | c1 | c1     | c1     | c1     | c2 | c3     | c2     | c1, e2 | c4 | f3 | f1 | f3 | f7 |   |
| 14      | f6 | f5 | f4 | f3 | f3     | c4     | c5     | c2     | c3     | c3 | c2 | c2 | c2     | c1     | c2     | e2 | e2     | e2, c2 | c3     | c3 | f7 | f4 | f3 | f3 |   |
| 15      | c  | c  | c  | c  | c      | c      | c      | c      | c      | c2 | c2 | c2 | c1     | c2     | c2     | c2 | c3     | c      | c      | c  | c  | f3 | f4 | f6 |   |
| 16      | f3 | f3 | f5 | f3 | f2     | c2     | c2     | c3     | c3     | c  | c2 | c3 | c      | c      | c      | c  | c      | c      | c      | c  | c  | c  | f4 | c  | c |
| 17      | f2 | f2 | f3 | f2 | f2     | c3     | c3     | c3     | c      | c3 | c1 | c  | c      | c      | c      | c1 |        |        |        |    |    | f4 | f4 | f3 |   |
| 18      | c  | f3 | f4 | f3 | f2     | e2     |        | f2     | e1     | c  | c1 | c2 | c      | c      | c      | c  | c      | c1     | c2     | c3 | f1 | f4 | f2 | f4 |   |
| 19      | c  | f3 | f3 | f3 | f5     | e5     | c7     | c3     | c3     | c4 | c3 | c1 | c2     | c2     | c1     | c1 | c1     | c3     | c1     | e2 | e2 | f1 | f3 | f3 |   |
| 20      | f3 | f2 | f4 | f4 | f4     | e2     | e2, c1 | e2, c1 | c2     | c2 | c2 | c2 | c3     | c2     | c3     | c2 | c3     | e3     | e3     | e5 | f4 | f5 | f3 | f4 |   |
| 21      | f5 | f2 | f2 | f3 | f2     | c1, e2 | c2     | c1, e2 | c2, e2 | c2 | c1 | c1 | c2     | c2     | c3     | c3 | c3     | c4     | c3     | e3 | f3 | f3 | f4 | f3 |   |
| 22      | f2 | f3 | f3 | f2 | f2     | e1     | c2     | c2     | c2     | c2 | c2 | c2 | c2     | c3     | c2     | c3 | c2     | e2     | c2     | c3 | f3 | f3 | f2 | f4 |   |
| 23      | f3 | f2 | f2 | f2 | f2     | c1     | c2     | c2     | c3     | c2 | c2 | c3 | c3     | c4     | e3     | c  | c      | e3     | c4     | c4 | f5 | f6 | f3 | f4 |   |
| 24      | c  | c  | c  | c  | c      | c      | c      | c      | c      | c  | c  | c  | c      | c      | c      | c  | c      | c      | c      | c  | c  | c  | c  | c  |   |
| 25      | c  | c  | c  | c  | c      | c      | c      | c      | c      | c  | c  | c  | c      | c      | c      | c  | c      | c      | c      | c  | c  | c  | c  | c  |   |
| 26      | c  | c  | c  | c  | c      | c      | c      | c      | c      | c  | c  | c2 | c2     | c1     | c2     | c2 | c3     | e2     | c2     | f4 | f4 | f5 | f4 | f2 |   |
| 27      | f4 | f5 | f3 | f2 |        | c2     | c2     | c2     | c2     | c3 | c  | c2 | c2     | c2     | e2     | c  | e2     | e3     | c4, e2 | c5 | f4 | f3 | f3 | f4 |   |
| 28      | f4 | f1 | f2 | f3 | f2     | c1     | c1, e1 | c4     | c2     | c3 | c2 | c3 | c3     | c3     | c2     | c2 | c2     | c2     | c4     | c3 | f2 | f2 | f4 | f3 |   |
| 29      | f3 | f4 | f2 | f2 | f2     | e1     | c2     | c2     | c2     | c2 | c2 | c1 | c2     | c2     | c2     | c2 | c1     | c2     | c3     | c4 | f4 | f3 | f3 | f2 |   |
| 30      | f2 |    | f3 | f2 |        | c2     | c1     | c2     | c2     | c2 | c1 | c2 | e1, c2 | c2     | c2     | c3 | c3     | c4     | c4     | c5 | f4 | f3 | f2 | f1 |   |
| 31      |    | f2 | f3 | f1 | f1     | f1     | c1     | c2     | c3     | c3 | c3 | c3 | e2     | e2     | e2     | e2 | e2     | e3     | e3     | f3 | f5 | f3 | f2 | f2 |   |
| Медиана |    |    |    |    |        |        |        |        |        |    |    |    |        |        |        |    |        |        |        |    |    |    |    |    |   |
| Учено   |    |    |    |    |        |        |        |        |        |    |    |    |        |        |        |    |        |        |        |    |    |    |    |    |   |

Пробег частоты от 1.0 Мгц до 15.0 Мгц 0.5 мин.

Станция автоматическая  
(ручная, автоматическая)