

# МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД

50F2 0.1 Мгц Январь 1967г.  
(характеристика) (единицы) (месяц) (год)

Тбилисский Государственный Университет  
(институт)

## ИОНОСФЕРНЫЕ ДАННЫЕ

Станция Тбилиси

Кем составлена Канделаки

Долгота 44° 48' E широта 41° 43' N

поясное время 45° E

Кем подсчитана Лемашвили

| 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       | F     | F     | F     | F     | F     | F     | C     | F     | F     | 69    | I 80c  | 84     | 85    | 80    | 81     | 80    | 71    | 54    | 58    | 55    | 37    | 32    | 33    | 40F   |
| 2       | u 46F | 44    | u 38F | u 40F | u 40F | 42    | 40    | 38V   | u 61R | I 67c | 81     | I 94c  | 92    | I 87c | 80     | 88    | 80    | 52    | 45    | 47    | 35    | 29    | 32    | 35    |
| 3       | 36    | 34    | 37    | 36    | 36    | 36    | 34    | 39    | 60    | 68    | 85     | u 101c | 91    | 77    | 80     | 85    | 77    | 57    | 51    | 42    | 40V   | C     | C     | C     |
| 4       | C     | 38    | 36    | 38    | 36    | 35    | 34    | 38    | 59    | R     | 73     | 95     | 88    | I 79c | 84     | 83    | R     | 54    | 53    | 43    | 35    | 24    | 29    | A     |
| 5       | C     | C     | C     | C     | C     | C     | C     | C     | C     | C     | C      | C      | C     | C     | C      | C     | C     | C     | C     | C     | C     | C     | C     | C     |
| 6       | C     | C     | C     | C     | C     | C     | C     | C     | C     | C     | C      | I 100c | I 92c | I 84c | 92     | 88    | 70    | 62    | 57    | u 41F | 35    | u 34F | u 36F | A     |
| 7       | 38    | 40    | 42    | 43    | 43    | 40    | I 45R | 50    | R     | R     | 91     | I 92R  | I 77S | S     | I 94c  | I 95c | 83    | S     | S     | I 44S | 37    | 40    | I 42R | 44    |
| 8       | 41    | 39    | 41    | 38    | 33    | 27    | 28    | 27H   | 58    | 81    | 85     | C      | C     | C     | C      | I 99c | I 98c | u 94R | 60    | 43    | 37    | 35    | 35    | 35    |
| 9       | 34    | 31    | 30    | 30    | u 30F | u 25R | 22    | 40    | u 90R | R     | u 101c | 84     | 85    | 89    | 92     | 80    | 81    | 88    | 68    | 37    | 24    | 27    | 26    | 30    |
| 10      | 26    | 27    | 29    | 29    | I 29c | I 29c | 28    | 40    | C     | C     | 89     | 86     | 74    | 73    | 87     | 79    | 81    | C     | C     | 30    | 29    | C     | C     | C     |
| 11      | 30    | 33    | 33    | 34    | 34    | 30    | 23    | I 32S | 70    | C     | C      | C      | 83    | 88    | 88     | 85    | I 77R | I 65R | 44    | 29    | I 26c | R     | 32    | 36    |
| 12      | 33    | 34    | 31    | 32    | 37    | 33    | 24    | 40    | A     | 90    | I 99R  | I 101R | I 80R | I 81R | 82     | R     | C     | I 66S | 40    | 27    | 26    | I 29R | 34    | 37    |
| 13      | C     | C     | u 40R | 37    | 41    | 40    | 28    | 38    | R     | 95    | u 104R | C      | C     | C     | u 81R  | u 84R | u 64R | u 64R | 60    | 63    | 53    | 30    | u 31R | u 34R |
| 14      | C     | 33    | 30    | 33F   | 30    | 23    | 23    | 38    | I 56c | 60    | C      | 90     | C     | C     | u 113R | 93    | C     | 61    | 60    | 50    | 40    | 35    | I 34c | 35    |
| 15      | 35    | 37    | 36V   | 37    | F     | F     | R     | F     | R     | R     | 83     | 84     | I 84R | 82    | I 78R  | 72    | I 64R | 60    | I 45R | 25    | I 30S | 33    | I 34R | F     |
| 16      | u 34F | 36V   | u 35N | 33F   | N     | N     | 25F   | 34    | 70    | 73    | 77     | 90     | 78    | 75    | 88     | 80    | 67    | 60    | 42    | 30    | 27    | 28    | 29    | 29    |
| 17      | C     | C     | C     | C     | C     | C     | C     | C     | C     | C     | C      | C      | C     | C     | C      | C     | C     | C     | C     | C     | C     | C     | C     | C     |
| 18      | C     | 34    | 35V   | 33F   | 33    | 33    | 35    | 37    | 57    | 70    | 78H    | 82     | 72    | 76    | 78H    | 76    | I 67c | 57    | I 46c | 34    | I 30c | 25    | 29    | 31    |
| 19      | C     | F     | F     | C     | C     | C     | 24    | 35    | A     | I 73R | 71V    | 67H    | 68    | 77    | 70     | 73    | 64    | 59    | 45    | 33    | 33F   | H     | F     | F     |
| 20      | F     | F     | F     | F     | F     | F     | F     | F     | 60    | I 75R | 86     | 74     | 69    | 73    | 87     | 81    | 65    | 69    | 52    | 40    | 30    | C     | C     | C     |
| 21      | C     | C     | C     | C     | C     | C     | C     | C     | C     | C     | C      | C      | C     | C     | C      | C     | C     | C     | C     | C     | C     | C     | C     | C     |
| 22      | u 37R | 39    | 35    | u 35R | 38    | 36    | 36    | 44    | u 66R | R     | 94     | u 84R  | u 74R | u 84R | u 80R  | R     | u 70R | u 54R | u 52R | 47    | 34    | u 34R | u 37R | 40    |
| 23      | C     | C     | S     | S     | S     | S     | 37    | S     | R     | R     | C      | 91     | C     | C     | C      | C     | C     | C     | R     | C     | C     | C     | C     | C     |
| 24      | 32    | 33    | 34    | 34    | 34    | 38    | 33    | 42    | 60    | 71    | C      | 91     | 84    | 80    | 80     | 70    | I 72c | I 61c | 50    | 42    | 40    | 30    | 29    | 30    |
| 25      | 31    | 30    | 32    | 33    | 33    | 35    | 32    | 42    | 67    | 80    | 87H    | 89     | 83    | 81    | 81     | 85    | 75    | 72    | 62    | 42    | I 32A | 28    | I 33c | C     |
| 26      | 34    | 36    | 38    | 39    | 40    | 37    | 34    | 44    | R     | u 74R | u 88R  | 88     | 89    | u 84R | u 80R  | u 84R | u 74R | u 60R | u 54R | u 53R | u 42R | C     | C     | u 32R |
| 27      | C     | I 35c | 35    | 35    | 40    | 36    | 38    | 44    | R     | C     | 90     | 90     | 91    | I 83c | C      | C     | C     | C     | 49    | 38    | 38    | I 28R | 27    | I 27A |
| 28      | 30    | 31    | 33    | 33    | 33    | 30    | 29    | 48    | u 62R | 70    | 92     | 95     | 97    | 90    | 90     | 85    | 83    | I 66c | 57    | 49    | 40    | 30    | 30    | 34    |
| 29      | C     | 37    | 41    | 44    | 49    | 37    | 35    | 45    | 75    | 78    | 87     | 82     | 84    | 85    | 87     | 93    | 80    | 70    | 54    | 46    | 38    | I 33c | 28    | 31    |
| 30      | C     | 36    | 37    | 39    | 40    | 39    | 39    | 50    | I 69R | 70    | R      | I 90R  | 91    | 87    | 91     | 86    | I 79R | R     | I 59R | 57    | 36    | I 26R | 30    | 30    |
| 31      | C     | 32    | 34    | 36    | 40    | 37    | 38    | u 50R | u 76R | C     | u 87R  | 101    | 110   | 100   | 87F    | I 91c | 88    | 73    | 63    | 54    | C     | C     | 36    | 40    |
| Медiana | 6     | 4     | 5     | 5     | 7     | 8     | 10    | 6     | 10    | 8     | 11     | 10     | 13    | 10    | 9      | 8     | 14    | 12    | 14    | 15    | 8     | 6     | 5     | 7     |
| Учтено  | 34    | 34    | 35    | 35    | 36    | 36    | 34    | 40    | 62    | 73    | 87     | 90     | 84    | 82    | 84     | 84    | 75    | 61    | 53    | 42    | 35    | 30    | 32    | 34    |
|         | 15    | 22    | 23    | 23    | 21    | 21    | 24    | 23    | 17    | 17    | 22     | 25     | 24    | 23    | 25     | 24    | 23    | 23    | 25    | 27    | 26    | 20    | 22    | 19    |
|         | 31/37 | 33/37 | 33/38 | 33/38 | 33/40 | 30/38 | 26/36 | 38/44 | 60/70 | 70/78 | 81/92  | 84/94  | 78/91 | 77/87 | 80/89  | 80/88 | 67/81 | 57/69 | 46/60 | 34/49 | 30/38 | 28/34 | 29/34 | 30/37 |

Пробег частоты от 1.0 Мгц до 10.0 Мгц 0.5 мин.

Станция автоматическая (ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД

№ F1 01 Мгц Январь 1967г.  
(характеристика) (единицы) (месяц) (год)

ИОНОСФЕРНЫЕ ДАННЫЕ

Тбилисский Государственный Университет  
(институт)

Станция Тбилиси

Кем составлена Канделаки

Долгота 44° 48' E широта 41° 43' N

поясное время 45° E

Кем подсчитана Ломашвили

| 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  | C  | L  | L  |    | L  |    |    |    |    |    |    |    |    |    |
| 2       |    |    |    |    |    |    |    |    |    | C  | L  | L  | L  | C  | L  |    |    |    |    |    |    |    |    |    |
| 3       |    |    |    |    |    |    |    |    |    |    | L  |    |    | L  | L  |    |    |    |    |    |    |    |    |    |
| 4       |    |    |    |    |    |    |    |    |    |    |    | L  | L  | C  | L  |    |    |    |    |    |    |    |    |    |
| 5       |    |    |    |    |    |    |    |    | C  | C  | C  | C  | C  | C  | C  | C  |    |    |    |    |    |    |    |    |
| 6       |    |    |    |    |    |    |    |    | C  | C  | C  | L  | C  | C  | L  |    |    |    |    |    |    |    |    |    |
| 7       |    |    |    |    |    |    |    |    |    |    | L  |    | L  | L  | C  |    |    |    |    |    |    |    |    |    |
| 8       |    |    |    |    |    |    |    | L  |    |    |    |    | L  | L  |    |    | C  |    |    |    |    |    |    |    |
| 9       |    |    |    |    |    |    |    |    |    |    | L  | L  | L  | L  |    |    |    |    |    |    |    |    |    |    |
| 10      |    |    |    |    |    |    |    |    | C  | C  |    | L  |    |    |    |    |    |    |    |    |    |    |    |    |
| 11      |    |    |    |    |    |    |    |    |    |    | C  | C  | L  | L  |    |    |    |    |    |    |    |    |    |    |
| 12      |    |    |    |    |    |    |    |    |    |    | L  | L  | L  | L  | L  |    |    |    |    |    |    |    |    |    |
| 13      |    |    |    |    |    |    |    |    |    |    |    | C  | C  | C  |    |    |    |    |    |    |    |    |    |    |
| 14      |    |    |    |    |    |    |    |    | C  |    | C  | L  | C  | C  |    |    | C  |    |    |    |    |    |    |    |
| 15      |    |    |    |    |    |    |    |    |    |    | L  | L  | L  | L  |    |    |    |    |    |    |    |    |    |    |
| 16      |    |    |    |    |    |    |    |    |    |    |    | L  | L  | L  |    |    |    |    |    |    |    |    |    |    |
| 17      |    |    |    |    |    |    |    |    | C  | C  | C  | C  | C  | C  | C  | C  |    |    |    |    |    |    |    |    |
| 18      |    |    |    |    |    |    |    |    |    |    | L  | L  | L  | L  |    |    |    |    |    |    |    |    |    |    |
| 19      |    |    |    |    |    |    |    | L  | L  | A  | L  | L  | L  | L  | L  | L  |    |    |    |    |    |    |    |    |
| 20      |    |    |    |    |    |    |    | L  | L  |    | L  | L  | L  | L  | L  | L  |    |    |    |    |    |    |    |    |
| 21      |    |    |    |    |    |    |    | C  | C  | C  | C  | C  | C  | C  | C  | C  |    |    |    |    |    |    |    |    |
| 22      |    |    |    |    |    |    |    |    |    |    | L  | L  | L  | L  | L  | L  |    |    |    |    |    |    |    |    |
| 23      |    |    |    |    |    |    |    |    |    |    | L  | C  | L  | C  | C  | C  |    |    |    |    |    |    |    |    |
| 24      |    |    |    |    |    |    |    |    |    |    | L  |    |    | L  |    |    | C  |    |    |    |    |    |    |    |
| 25      |    |    |    |    |    |    |    |    |    |    | L  | L  | L  | L  | L  | L  |    |    |    |    |    |    |    |    |
| 26      |    |    |    |    |    |    |    |    |    |    | L  | L  | L  |    |    |    |    |    |    |    |    |    |    |    |
| 27      |    |    |    |    |    |    |    |    |    |    |    | L  | L  | C  | C  | C  | C  |    |    |    |    |    |    |    |
| 28      |    |    |    |    |    |    |    |    |    |    |    | L  | L  | L  | L  |    |    |    |    |    |    |    |    |    |
| 29      |    |    |    |    |    |    |    |    |    |    |    | L  | L  | L  | L  | L  |    |    |    |    |    |    |    |    |
| 30      |    |    |    |    |    |    |    |    |    |    |    |    | L  | L  | L  |    |    |    |    |    |    |    |    |    |
| 31      |    |    |    |    |    |    |    |    |    |    |    | L  | L  | L  |    | C  |    |    |    |    |    |    |    |    |
| Медиана |    |    |    |    |    |    |    |    |    |    |    |    |    | L  |    |    |    |    |    |    |    |    |    |    |
| Учтено  |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  |    |    |    |    |    |    |    |    |    |    |

Пробег частоты от 1.0 Мгц до 10.0 Мгц 0.5 мин.

Станция автоматическая (ручная, автоматическая)

# МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

30E 0.01 Мпу. Анварь 1967г.  
(характеристика) (единицы) (месяц) (год)

Тбилисский Государственный Университет  
(институт)

Станция Тбилиси

## ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Кандеаки

Долгота 44° 48'E широта 41° 43'N

поясное время 45°E

Кем подсчитана Ломашвили

| 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       |    |    |    |    |    |    |    |        | 210    | I 250A | I 280C | 310    | I 320A | 310H   | 300    | 265    | 180    | A      |     |     |     |     |     |     |     |     |     |   |     |
| 2       |    |    |    |    |    |    |    | A      | 190H   | I 245C | 280    | I 300A | 320H   | I 315C | 290    | 270    |        |        |     |     |     |     |     |     |     |     |     |   |     |
| 3       |    |    |    |    |    |    |    | E      | I 180A | I 250A | A      | A      | 320H   | u 320R | u 300R | 260H   | I 230A | u 140R |     |     |     |     |     |     |     |     |     |   |     |
| 4       |    |    |    |    |    |    |    |        | 220H   | I 250R | 280    | I 300R | 300    | I 300C | 300    | R      | B      | E      |     |     |     |     |     |     |     |     |     |   |     |
| 5       |    |    |    |    |    |    |    | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C   | C   | C   | C   | C   | C   |     |     |     |   |     |
| 6       |    |    |    |    |    |    |    | C      | C      | C      | C      | 300    | I 305C | I 305C | 300H   | 260    | 220    | E      |     |     |     |     |     |     |     |     |     |   |     |
| 7       |    |    |    |    |    |    |    | A      | A      | A      | A      | 300H   | I 300A | 300    | I 300C | 265    | 200    |        |     |     |     |     |     |     |     |     |     |   |     |
| 8       |    |    |    |    |    |    |    | u 150R | 200    | R      | R      | R      | R      | R      | R      | 250    | C      |        |     |     |     |     |     |     |     |     |     |   |     |
| 9       |    |    |    |    |    |    |    | E      | 210    | R      | 295H   | 310    | 315    | 315H   | 300H   | 270    | u 220R | E      |     |     |     |     |     |     |     |     |     |   |     |
| 10      |    |    |    |    |    |    |    |        | C      | C      | R      | R      | R      | R      | C      | I 260C | R      | C      | C   |     |     |     |     |     |     |     |     |   |     |
| 11      |    |    |    |    |    |    |    | E      | 180H   | 230H   | C      | C      | 305    | I 310B | I 305B | 260    | A      |        |     |     |     |     |     |     |     |     |     |   |     |
| 12      |    |    |    |    |    |    |    |        | A      | A      | 300    | 300    | 305    | 305    | 300    | C      | C      | R      |     |     |     |     |     |     |     |     |     |   |     |
| 13      |    |    |    |    |    |    |    | E      | 220    | u 280R | u 300R | C      | C      | C      | R      | u 280R | u 240R |        |     |     |     |     |     |     |     |     |     |   |     |
| 14      |    |    |    |    |    |    |    | 160    | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C   | C   | C   | C   | C   | C   |     |     |     |   |     |
| 15      |    |    |    |    |    |    |    |        | 200H   | R      | R      | I 300R | 300    | I 320R | I 310R | I 300R | I 245R | R      |     |     |     |     |     |     |     |     |     |   |     |
| 16      |    |    |    |    |    |    |    | A      | 190    | 260    | I 300C | 310    | I 310C | 305    | 300H   | 260    | 210    | A      |     |     |     |     |     |     |     |     |     |   |     |
| 17      |    |    |    |    |    |    |    | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C   | C   | C   | C   | C   | C   |     |     |     |   |     |
| 18      |    |    |    |    |    |    |    |        | 180H   | 280    | 290    | 310    | u 315R | 300    | 270    | 255H   | I 220C | A      | C   |     |     |     |     |     |     |     |     |   |     |
| 19      |    |    |    |    |    |    |    | R      | A      | 270    | 300    | 310    | 310    | 310    | 300    | 260H   | 205H   | 180    |     |     |     |     |     |     |     |     |     |   |     |
| 20      |    |    |    |    |    |    | E  | E      | I 180A | I 250A | 300    | 320    | I 310A | 300    | 295H   | 295    | 180    | A      |     |     |     |     |     |     |     |     |     |   |     |
| 21      |    |    |    |    |    |    | C  | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C   | C   | C   | C   | C   | C   |     |     |     |   |     |
| 22      |    |    |    |    |    |    |    | E      | u 230R | u 300R | u 310R | u 320R | 345    | u 360R | u 330R | u 270R | u 230R | u 170R |     |     |     |     |     |     |     |     |     |   |     |
| 23      |    |    |    |    |    |    |    | E      | 210H   | 250    | I 300C | 315    | C      | C      | C      | C      | C      | C      | C   | C   | C   | C   | C   | C   |     |     |     |   |     |
| 24      |    |    |    |    |    |    |    |        | I 230R | 270    | R      | R      | R      | u 320R | R      | R      | C      | C      |     |     |     |     |     |     |     |     |     |   |     |
| 25      |    |    |    |    |    |    |    | A      | 210    | 270    | 310    | 320    | 320    | 320    | 300    | 270H   | 225    |        |     |     |     |     |     |     |     |     |     |   |     |
| 26      |    |    |    |    |    |    |    | E      | R      | u 300R | C      | C      | C      | C      | C      | u 300R | C      | E      |     |     |     |     |     |     |     |     |     |   |     |
| 27      |    |    |    |    |    |    |    | 160    | A      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C   | C   | C   | C   | C   | C   |     |     |     |   |     |
| 28      |    |    |    |    |    |    |    | 140    | u 230R | C      | 310    | C      | C      | C      | C      | C      | R      | C      |     |     |     |     |     |     |     |     |     |   |     |
| 29      |    |    |    |    |    |    |    |        | 200H   | 260    | 305    | 325    | 325    | 325    | 310    | 285    | 250    | 195    |     |     |     |     |     |     |     |     |     |   |     |
| 30      |    |    |    |    |    |    |    | E      | 200    | 290    | 305    | 330    | 330    | 330    | 320    | 300    | I 220R | I 170A |     |     |     |     |     |     |     |     |     |   |     |
| 31      |    |    |    |    |    |    |    | E      | u 250R | C      | u 320R | 330    | u 340R | u 360R | 335    | I 300C | 230H   | 190H   | E   |     |     |     |     |     |     |     |     |   |     |
| Медиана |    |    |    |    |    |    | E  | E      | 30     | 30     | 20     | 20     | 15     | 15     | 10     | 30     | 20     |        |     |     |     |     |     |     |     |     |     |   |     |
| Учено   |    |    |    |    |    |    | 1  | 14     | 20     | 17     | 17     | 18     | 19     | 20     | 19     | 21     | 16     | 10     |     |     |     |     |     |     |     |     |     |   |     |
|         |    |    |    |    |    |    |    | E      | 140    | 190    | 220    | 250    | 280    | 290    | 310    | 300    | 320    | 305    | 320 | 305 | 320 | 300 | 310 | 260 | 290 | 210 | 230 | E | 180 |

Пробег частоты от 1.0 Мгц до 10.0 Мгц 0.5 мин.

Станция автоматическая  
(ручная, автоматическая)

# МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

foF<sub>2</sub> 0.1 Мгц *Инварь* 1967г.  
(характеристика) (единицы) (месяц) (год)

*Тбилисский* *Государственный*  
(институт)

Станция *Тбилиси*

## ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена *Кахделакви*

Долгота *44° 48' E* широта *41° 43' N*

поясное время *45° E*

Кем подсчитана *Ломшидзе*

| 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       | E 15 B       | У E 14 B | J 18 X        | У E 11 B     | E       | E            | E      | 19 G   | 28     | C      | G      | 42     | 37 G   | G      | G      | 22     | 15     | 16     | 16           | J 20 X       | J 22 X       | J 20 X       | J 20 X       |              |
| 2       | E 14 B       | E        | E             | E            | E       | E            | E      | 18     | G      | C      | G      | 91     | G      | C      | G      | 29 Y   | 50     | 35     | 24           | E 13 B       | E 14 B       | У            | 25           | 24           |
| 3       | J 23 X       | J 24 X   | У E 12 B      | У E 11 B     | E 11 B  | У            | 22     | 30     | 30     | 50     | G      | G      | G      | G      | J 37 X | G      | E 11 B | E 11 B | E 11 B       | C            | C            | C            | C            |              |
| 4       | C            | J 31 X   | 20            | 20           | 17      | E 15 B       | E 13 B | E      | G      | G      | G      | G      | 37     | C      | 32     | G      | E 27 B | G      | E 15 B       | E 15 B       | E 15 B       | 17           | E 18 B       | J 33 X       |
| 5       | C            | C        | C             | C            | C       | C            | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C            | C            | C            | C            | C            | C            |
| 6       | C            | C        | C             | C            | C       | C            | C      | C      | C      | C      | C      | G      | C      | C      | G      | G      | G      | G      | E 12 B       | E 12 B       | E 15 B       | 28           | 21           | 73           |
| 7       | J 40 X       | J 30 X   | J 33 X        | 16           | 12      | E 16 B       | E 17 B | J 31 X | 20     | 33     | 30     | G      | 31     | G      | C      | 30     | 26     | 20     | E 12 B       | E 15 B       | 20           | E 13 B       | 19           | E 15 B       |
| 8       | E 18 B       | 27       | J 25 X        | J 26 X       | J 26 X  | E 12 B       | E 15 B | G      | 23     | G      | G      | G      | G      | G      | G      | 30     | C      | E 17 B | 21           | J 30 X       | J 20 X       | E 15 B       | E 12 B       | E 12 B       |
| 9       | 23           | 18       | 22            | 18           | 21      | E 15 B       | E 15 B | G      | G      | 31     | G      | 40     | G      | G      | G      | 50     | G      | G      | У            | E 12 B       | E 15 B       | E 14 B       | E 14 B       | E 13 B       |
| 10      | 20           | E 12 B   | E             | 24           | C       | C            | E 13 B | E      | C      | C      | G      | G      | G      | G      | C      | C      | G      | C      | C            | E 15 B       | E 12 B       | C            | C            | C            |
| 11      | E 16 B       | E        | E             | E            | E       | E 11 B       | E 13 B | G      | 17 G   | G      | C      | C      | G      | E 33 B | E 32 B | 34     | 31     | E 15 B | E 13 B       | E 15 B       | C            | E 17 B       | E 16 B       | E 15 B       |
| 12      | E 16 B       | E        | E 11 B        | E            | E       | E 13 B       | E 14 B | J 24 X | J 50 X | 36     | G      | G      | G      | G      | E 31 C | E 29 C | E 17 B | 18     | 20           | E            | E 11 B       | E 11 B       | E            |              |
| 13      | C            | C        | E 11 B        | E            | E       | E 11 B       | E      | G      | G      | G      | C      | C      | C      | C      | G      | G      | G      | 34     | 20           | E 18 B       | У            | E 14 B       | E 15 B       | 30           |
| 14      | C            | 22       | 20            | 20           | 20      | E 14 B       | E 15 B | 20     | C      | C      | C      | C      | C      | C      | C      | C      | C      | E 15 B | E 11 B       | E 16 B       | E 15 B       | E 15 B       | C            | E 14 B       |
| 15      | 21           | У        | 17            | J 17 X       | E       | E 18 B       | E 14 B | E 14 B | G      | G      | G      | E 32 B | G      | E 31 B | E 31 B | E 30 B | E 19 B | E 17 B | E 17 B       | E 17 B       | 20           | E 15 B       | 19           | E 12 B       |
| 16      | E 13 B       | E        | E             | E            | E       | E 13 B       | 20     | 16     | G      | G      | E 29 C | G      | E 31 C | G      | G      | G      | G      | 20     | E 16 B       | 20           | 22           | E 14 B       | E 14 B       | E 13 B       |
| 17      | C            | C        | C             | C            | C       | C            | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C            | C            | C            | C            | C            | C            |
| 18      | C            | E 11 B   | E             | E            | E       | E            | E 11 B | E      | C      | C      | 31     | G      | G      | G      | 39     | G      | C      | 30     | C            | E            | C            | E 11 B       | E 11 B       | J 30 X       |
| 19      | C            | J 20 X   | J 21 X        | C            | C       | C            | J 20 X | G      | 42     | J 33 X | J 37 X | 37     | G      | G      | 37     | G      | 23     | 13     | 15           | E 12 B       | E 11 B       | E 11 B       | E 11 B       | E 11 B       |
| 20      | E 11 B       | E        | E             | 15           | 15      | 20           | G      | E      | 23     | 30     | 36     | 39     | 40     | 37     | 36     | 30     | 25     | J 23 X | E 11 B       | J 16 X       | E 13 B       | C            | C            | C            |
| 21      | C            | C        | C             | C            | C       | C            | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C      | C            | C            | C            | C            | C            | C            |
| 22      | E            | E        | E             | E            | E       | E 12 B       | E      | G      | G      | G      | G      | G      | G      | G      | G      | G      | G      | G      | E            | E 15 B       | E 13 B       | E 15 B       | E 11 B       | E 12 B       |
| 23      | C            | C        | У E 12 B      | E 12 B       | E 14 B  | E            | G      | G      | G      | C      | G      | C      | C      | C      | C      | C      | C      | C      | E 14 B       | C            | C            | C            | C            | C            |
| 24      | E 15 B       | E        | E             | E            | E       | E 13 B       | E 14 B | E 16 B | G      | 31     | G      | G      | G      | G      | G      | G      | C      | C      | E 15 B       | E 16 B       | E 15 B       | E 12 B       | E 13 B       | E 16 B       |
| 25      | E 14 B       | E        | E             | E            | E       | E            | E 13 B | 15     | G      | G      | 36     | G      | G      | G      | G      | G      | G      | E 20 B | 40           | 35           | A            | 20           | C            | C            |
| 26      | E 13 B       | E        | E             | E            | E       | E 11 B       | E      | G      | G      | G      | E 32 C | E 34 C | E 34 C | E 40 C | E 34 C | G      | E 28 C | G      | E 12 B       | E 14 B       | E 14 B       | C            | C            | E 15 B       |
| 27      | C            | C        | J 20 X        | J 17 X       | E       | E 14 B       | E 13 B | G      | 21     | G      | E 43 C | E 38 C | E 41 C | C      | C      | C      | C      | 18     | E 18 B       | E 16 B       | E 13 B       | E 15 B       | J 15 X       |              |
| 28      | E 15 B       | J 20 X   | 28            | E 12 B       | E       | E 15 B       | E 16 B | G      | G      | E 30 C | 34     | E 34 C | E 37 C | E 33 C | E 33 C | E 30 C | G      | C      | E 15 B       | 24           | У            | 18           | E 15 B       | E 11 B       |
| 29      | C            | E        | E             | E            | E       | E 12 B       | E 11 B | E 14 B | G      | G      | G      | G      | G      | G      | G      | G      | 31     | G      | E            | E 15 B       | E 13 B       | C            | E 14 B       | E 15 B       |
| 30      | C            | J 21 X   | J 17 X        | 21           | E       | E 15 B       | E 13 B | G      | G      | G      | G      | G      | G      | G      | G      | 34     | 37     | G      | 20           | E 14 B       | E 14 B       | E 14 B       | E 14 B       | E 15 B       |
| 31      | C            | E        | E             | E            | E       | E 13 B       | E 12 B | G      | G      | G      | G      | G      | G      | G      | G      | C      | G      | G      | E 13 B       | C            | C            | E 12 B       | E 14 B       |              |
| Медиана | D6<br>E 15 B | D11<br>E | D10<br>E 11 B | D8<br>E 12 B | D2<br>E | E 13 B       | E 13 B | G      | G      | G      | G      | G      | G      | G      | G      | G      | 20     | 15     | D6<br>E 15 B | D4<br>E 15 B | E 15 B       | E 14 B       | D6<br>E 15 B | D8<br>E 15 B |
| Учено   | 17           | 22       | 25            | 26           | 23      | 25           | 27     | 26     | 24     | 23     | 23     | 25     | 24     | 21     | 23     | 23     | 22     | 23     | 25           | 27           | 21           | 20           | 21           | 23           |
|         | E 14<br>20   | E 21     | E 20          | E 18         | E 12    | E 11<br>E 15 | E 15   | G 15   | G 20   | G 30   | G 31   | G 36   | G 33   | G 32   | G 33   | G 30   | G 26   | G 20   | E 12<br>18   | E 13<br>17   | E 13<br>E 18 | E 13<br>E 17 | E 12<br>18   | E 12<br>20   |

Пробег частоты от *1.0* Мгц до *10.0* Мгц *0.5* мин.

Станция *автоматическая*  
(ручная, автоматическая)

# МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

5B Es 0.1 Mгу. Январь 1967г.  
(характеристика) (единицы) (месяц) (год)

Тбилисский Государственный Университет  
(институт)

Станция Тбилиси

## ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Канделики

Долгота 44° 48' E широта 41° 43' N

поясное время 45° E

Кем подсчитана Ломашвили

| 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       | E15B | У    | E14B | 14   | У    | E11B | F    | E    | 17G | 27   | С    | G    | 31   | 30G  | G    | G    | 22   | 15   | 14   | E14B | 14   | 16   | 16   | E13B |      |
| 2       | E14B | E    | E    | E    | E    | E    | E    | 16   | G   | С    | G    | 35   | G    | С    | G    | 25G  | 33   | 30   | 21   | E13B | E14B | 15   | 17   | 15   |      |
| 3       | 16   | 15   | E16B | E12B | E12B | E11B | E11B | E11B | 21  | 28   | 30   | 33   | G    | G    | G    | G    | 22   | G    | E11B | E11B | E11B | С    | С    | С    |      |
| 4       | С    | 22   | 14   | 14   | 17   | E15B | E13B | E    | G   | G    | G    | G    | 37   | С    | 32   | G    | E27B | G    | E15B | E15B | E15B | 17   | E18B | A    |      |
| 5       | С    | С    | С    | С    | С    | С    | С    | С    | С   | С    | С    | С    | С    | С    | С    | С    | С    | С    | С    | С    | С    | С    | С    | С    |      |
| 6       | С    | С    | С    | С    | С    | С    | С    | С    | С   | С    | С    | С    | G    | С    | G    | G    | G    | G    | E12B | E12B | E15B | 16   | 19   | A    |      |
| 7       | 28   | 23   | 28   | 15   | 12   | E16B | E17B | 29   | 20  | 30   | 30   | G    | 31   | G    | С    | 30   | 26   | 18   | E12B | E15B | 19   | E13B | 19   | E15B |      |
| 8       | E18B | 19   | 17   | 16   | 19   | E12B | E15B | G    | 23  | G    | G    | G    | G    | G    | G    | 30   | С    | E17B | 18   | 20   | 18   | E15B | E12B | E12B |      |
| 9       | 22   | 14   | E    | 13   | 12   | E15B | E15B | G    | G   | 20   | G    | 33   | G    | G    | G    | 37   | G    | G    | 16   | E12B | E15B | E14B | E14B | E13B |      |
| 10      | 14   | E12B | E    | 17   | С    | С    | E13B | E    | С   | С    | G    | G    | G    | G    | С    | С    | G    | С    | С    | E15B | E12B | С    | С    | С    |      |
| 11      | E16B | E    | E    | E    | E    | E11B | E13B | G    | 17G | G    | С    | С    | G    | E33B | E32B | 32   | 31   | E15B | E13B | E15B | С    | E17B | E16B | E15B |      |
| 12      | E16B | E    | E11B | E    | E    | E13B | E14B | 22   | A   | 30   | G    | G    | G    | G    | G    | E31C | E29C | E17B | 16   | 20   | E    | E11B | E11B | E    |      |
| 13      | С    | С    | E11B | E    | E    | E11B | E    | G    | G   | G    | G    | С    | С    | С    | G    | G    | G    | 28   | 19   | E18B | 19   | E14B | E15B | 19   |      |
| 14      | С    | 15   | 12   | 14   | 14   | E14B | E15B | 13   | С   | С    | С    | С    | С    | С    | С    | С    | С    | E15B | E11B | E16B | E15B | E15B | С    | E14B |      |
| 15      | E17B | У    | 14   | 16   | E    | E18B | E14B | E14B | G   | G    | G    | E32B | G    | E31B | E31B | E30B | E19B | E17B | E17B | E17B | 20   | E15B | E15B | E12B |      |
| 16      | E13B | E    | E    | E    | E    | E13B | 15   | 15   | G   | G    | E29C | G    | E31C | G    | G    | G    | G    | 17   | E16B | E    | 16   | E14B | E14B | E13B |      |
| 17      | С    | С    | С    | С    | С    | С    | С    | С    | С   | С    | С    | С    | С    | С    | С    | С    | С    | С    | С    | С    | С    | С    | С    | С    |      |
| 18      | С    | E11B | E    | E    | E    | E    | E11B | E    | С   | С    | 31   | G    | G    | G    | 32   | G    | С    | 15   | С    | E    | С    | E11B | E11B | 15   |      |
| 19      | С    | 14   | 12   | С    | С    | С    | E11B | G    | A   | 22   | G    | G    | G    | G    | G    | G    | 19   | 13   | 13   | E12B | E11B | E11B | E11B | E11B |      |
| 20      | E11B | E    | E    | 11   | 12   | 11   | G    | E    | 22  | 27   | 33   | G    | 33   | 32   | 36   | 27   | 22   | 17   | E11B | 14   | E13B | С    | С    | С    |      |
| 21      | С    | С    | С    | С    | С    | С    | С    | С    | С   | С    | С    | С    | С    | С    | С    | С    | С    | С    | С    | С    | С    | С    | С    | С    |      |
| 22      | E    | E    | E    | E    | E    | E12B | E    | G    | G   | G    | G    | G    | G    | G    | G    | G    | G    | G    | E    | E15B | E13B | E15B | E11B | E12B |      |
| 23      | С    | С    | У    | E12B | E12B | E14B | E    | G    | G   | G    | С    | G    | С    | С    | С    | С    | С    | С    | E14B | С    | С    | С    | С    | С    |      |
| 24      | E15B | E    | E    | E    | E    | E13B | E14B | E16B | G   | 31   | G    | G    | G    | G    | G    | G    | С    | С    | E15B | E16B | E15B | E12B | E13B | E16B |      |
| 25      | E14B | E    | E    | E    | E    | E    | E13B | 11   | G   | G    | G    | G    | G    | G    | G    | G    | G    | E20B | 28   | 18   | A    | 13   | С    | С    |      |
| 26      | E13B | E    | E    | E    | E    | E11B | E    | G    | G   | G    | E32C | E34C | E34C | E40C | E34C | G    | E28C | G    | E12B | E14B | E14B | С    | С    | E15B |      |
| 27      | С    | С    | E    | 13   | E    | E14B | E13B | G    | 21  | G    | E43C | E38C | E41C | С    | С    | С    | С    | С    | 18   | E18B | E16B | E13B | E15B | A    |      |
| 28      | E15B | 13   | 18   | E12B | E    | E15B | E16B | G    | G   | E30C | 33   | E34C | E37C | E33C | E33C | E30C | G    | С    | E15B | 16   | E15B | 18   | E15B | E11B |      |
| 29      | С    | E    | E    | E    | E    | E12B | E11B | E14B | G   | G    | G    | G    | G    | G    | G    | G    | 30   | G    | E    | E15B | E13B | С    | E14B | E15B |      |
| 30      | С    | 13   | 15   | 15   | E    | E15B | E13B | G    | G   | G    | G    | G    | G    | G    | G    | 34   | 37   | G    | 20   | E14B | E14B | E14B | E14B | E15B | E15B |
| 31      | С    | E    | E    | E    | E    | E13B | E12B | G    | G   | G    | G    | G    | G    | G    | G    | С    | G    | G    | G    | E13B | С    | С    | E12B | E14B |      |
| Медиана | E15B | E    | E    | E12B | E    | E13B | E13B | G    | G   | G    | G    | G    | G    | G    | G    | G    | G    | V15  | E12B | E13B | E15B | E15B | E15B | E15B |      |
| Учено   | 17   | 22   | 26   | 26   | 24   | 25   | 27   | 27   | 24  | 23   | 23   | 25   | 24   | 21   | 23   | 23   | 22   | 23   | 25   | 27   | 24   | 21   | 21   | 23   |      |

Пробег частоты от 1.0 Мгц до 10.0 Мгц 0.5 мин.

Станция автоматическая  
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД

5min 0.1 Мгц Январь 1967г.  
(характеристика) (единицы) (месяц) (год)

Тбилисский Государственный Университет  
(институт)

ИОНОСФЕРНЫЕ ДАННЫЕ

Станция Тбилиси

Кем составлена Канделаки

Долгота 44° 48' E широта 41° 43' N

поясное время 45° E

Кем подсчитана Ломашвили

| 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 | 14 | 14 | 13 | 10 | 11 | 10 | 10 | 12 | 12   | c    | 17   | 17   | 16   | 15   | 16   | 11 | 11 | 11 | 14 | 14 | 15 | 14 | 13 |
| 2       | 14 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | c    | 14   | 17   | 18   | c    | 19   | 15   | 13 | 13 | 10 | 13 | 14 | 10 | 10 | 10 |
| 3       | 10 | 10 | 16 | 12 | 12 | 11 | 11 | 11 | 11 | 12   | 14   | 16   | 15   | 16   | 16   | 15   | 12 | 10 | 11 | 11 | 11 | c  | c  | c  |
| 4       | c  | 10 | 10 | 12 | 10 | 15 | 13 | 10 | 17 | 19   | 19   | 21   | 19   | c    | 27   | 19   | 27 | 16 | 15 | 15 | 15 | 15 | 18 | 15 |
| 5       | c  | c  | c  | c  | c  | c  | c  | c  | c  | c    | c    | c    | c    | c    | c    | c    | c  | c  | c  | c  | c  | c  | c  | c  |
| 6       | c  | c  | c  | c  | c  | c  | c  | c  | c  | c    | c    | 16   | c    | c    | 17   | 18   | 15 | 14 | 12 | 12 | 15 | 12 | 14 | 14 |
| 7       | 10 | 10 | 10 | 10 | 10 | 16 | 17 | 14 | 15 | 16   | 17   | 16   | 17   | 16   | c    | 18   | 18 | 11 | 12 | 15 | 15 | 13 | 16 | 15 |
| 8       | 18 | 10 | 10 | 10 | 10 | 12 | 15 | 10 | 17 | 18   | 21   | 18   | 18   | 19   | 19   | 18   | c  | 17 | 16 | 15 | 15 | 15 | 12 | 12 |
| 9       | 14 | 10 | 10 | 10 | 10 | 15 | 15 | 13 | 17 | 10   | 15   | 14   | 16   | 18   | 15   | 15   | 15 | 14 | 12 | 12 | 15 | 14 | 14 | 13 |
| 10      | 10 | 12 | 10 | 10 | c  | c  | 13 | 10 | c  | c    | 19   | 19   | 19   | E24c | E32c | E30c | 19 | c  | c  | 15 | 12 | c  | c  | c  |
| 11      | 16 | 10 | 10 | 10 | 10 | 11 | 13 | 10 | 10 | 17   | c    | c    | 19   | 33   | 32   | 17   | 18 | 15 | 13 | 15 | c  | 17 | 16 | 15 |
| 12      | 16 | 10 | 11 | 10 | 10 | 13 | 14 | 10 | 16 | 17   | 19   | 18   | 18   | 27   | 23   | 31   | 29 | 17 | 10 | 10 | 10 | 11 | 11 | 10 |
| 13      | c  | c  | 11 | 10 | 10 | 11 | 10 | 10 | 11 | 17   | 19   | c    | c    | c    | 21   | 15   | 14 | 18 | 15 | 18 | 12 | 14 | 15 | 12 |
| 14      | c  | 10 | 10 | 10 | 10 | 14 | 15 | 10 | c  | E30c | c    | E32c | c    | c    | E31c | E30c | c  | 15 | 11 | 16 | 15 | 15 | c  | 14 |
| 15      | 17 | 10 | 10 | 10 | 10 | 18 | 14 | 14 | 13 | 16   | 18   | 32   | 20   | 31   | 31   | 30   | 19 | 17 | 17 | 17 | 16 | 15 | 15 | 12 |
| 16      | 13 | 10 | 10 | 10 | 10 | 13 | 10 | 10 | 17 | 19   | E29c | E83c | E31c | 19   | 23   | 18   | 15 | 13 | 16 | 10 | 10 | 14 | 14 | 13 |
| 17      | c  | c  | c  | c  | c  | c  | c  | c  | c  | c    | c    | c    | c    | c    | c    | c    | c  | c  | c  | c  | c  | c  | c  | c  |
| 18      | c  | 11 | 10 | 10 | 10 | 10 | 11 | 10 | c  | c    | 18   | 16   | 16   | 17   | 17   | 15   | c  | 11 | c  | 10 | c  | 11 | 11 | 11 |
| 19      | c  | 10 | 10 | c  | c  | c  | 11 | 10 | 11 | 11   | 11   | 14   | 16   | 16   | 14   | 13   | 11 | 11 | 11 | 12 | 11 | 11 | 11 | 11 |
| 20      | 11 | 10 | 10 | 10 | 10 | 10 | 11 | 10 | 11 | 11   | 12   | 15   | 15   | 15   | 15   | 12   | 11 | 11 | 11 | 10 | 13 | c  | c  | c  |
| 21      | c  | c  | c  | c  | c  | c  | c  | c  | c  | c    | c    | c    | c    | c    | c    | c    | c  | c  | c  | c  | c  | c  | c  | c  |
| 22      | 10 | 10 | 10 | 10 | 10 | 12 | 10 | 10 | 16 | 16   | 18   | 19   | 19   | 19   | 18   | 16   | 15 | 13 | 10 | 15 | 13 | 15 | 11 | 12 |
| 23      | c  | c  | 10 | 12 | 12 | 14 | 10 | 10 | 15 | 15   | c    | 14   | c    | c    | c    | c    | c  | c  | 14 | c  | c  | c  | c  | c  |
| 24      | 15 | 10 | 10 | 10 | 10 | 13 | 14 | 16 | 15 | 18   | 18   | E24c | 19   | 18   | 18   | 19   | c  | c  | 15 | 16 | 15 | 12 | 13 | 16 |
| 25      | 14 | 10 | 10 | 10 | 10 | 10 | 13 | 10 | 13 | 16   | 15   | 16   | 15   | 19   | 16   | 16   | 17 | 20 | 10 | 12 | 15 | 10 | c  | c  |
| 26      | 13 | 10 | 10 | 10 | 10 | 11 | 10 | 10 | 15 | 17   | u32R | u34R | u34R | u40R | u34R | 23   | 28 | 13 | 12 | 14 | 14 | c  | c  | 15 |
| 27      | c  | c  | 10 | 10 | 10 | 14 | 13 | 12 | 17 | 18   | 43   | 38   | 41   | c    | c    | c    | c  | c  | 15 | 18 | 16 | 13 | 15 | 11 |
| 28      | 15 | 10 | 10 | 12 | 10 | 15 | 16 | 10 | 20 | E30c | E26c | E34c | E37c | E33c | E33c | E30c | 15 | c  | 15 | 11 | 15 | 10 | 15 | 11 |
| 29      | c  | 10 | 10 | 10 | 10 | 12 | 11 | 14 | 15 | 18   | 18   | 18   | 18   | 16   | 16   | 17   | 16 | 15 | 10 | 15 | 13 | c  | 14 | 15 |
| 30      | c  | 10 | 10 | 10 | 10 | 15 | 13 | 13 | 17 | 17   | 17   | 17   | 18   | 16   | 13   | 15   | 16 | 15 | 14 | 14 | 14 | 14 | 15 | 15 |
| 31      | c  | 10 | 10 | 10 | 10 | 13 | 12 | 10 | 15 | 16   | 18   | 17   | 18   | 20   | 20   | c    | 14 | 14 | 11 | 13 | c  | c  | 12 | 14 |
| Медиана | 14 | 10 | 10 | 10 | 10 | 13 | 13 | 10 | 15 | u16  | 18   | 17   | 18   | u18  | u18  | u16  | 15 | 14 | 12 | 14 | 14 | 14 | 14 | 13 |
| Учено   | 17 | 24 | 27 | 26 | 25 | 25 | 27 | 27 | 24 | 24   | 23   | 26   | 24   | 21   | 25   | 25   | 22 | 23 | 26 | 27 | 24 | 21 | 21 | 23 |

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 Январь 1967г.  
(характеристика) (единицы) (месяц) (год)

Тбилисский Государственный Университет  
(институт)

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Канделаки

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       | F       | F       | F       | F       | F       | F       | C       | F       | F       | 345     | C       | 335     | 315     | 320     | 325     | 335     | 350     | 315     | 315     | 355     | 345     | 265     | 240     | 275 F   |
| 2       | u 295 F | 325     | u 280 F | u 270 F | u 250 F | 285     | 355     | 300 V   | u 325 R | C       | 335     | C       | 305     | C       | 310     | 330     | 350     | 315     | 300     | 345     | 330     | 280     | 280     | 275     |
| 3       | 300     | 280     | 290     | 300     | 280     | 300     | 310     | 300     | 350     | 340     | 340     | C       | 330     | 320     | 320     | 320     | 330     | 340     | 320     | 320     | 330 V   | C       | C       | C       |
| 4       | C       | 300     | 315     | 300     | 295     | 310     | 330     | 340     | 340     | R       | 370     | 340     | 350     | C       | R       | 350     | R       | 350     | 345     | 335     | 350     | 355     | 290     | A       |
| 5       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       |
| 6       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | 310     | 335     | 330     | 315     | 325     | u 315 F | 335     | u 275 F | u 265 F | A       |
| 7       | 280     | 295     | 305     | 310     | 295     | 300     | R       | 355     | R       | R       | 350     | R       | S       | S       | C       | C       | 355     | S       | S       | S       | 285     | 255     | R       | 290     |
| 8       | 280     | 280     | 290     | 325     | 305     | 300     | 330     | 360 H   | 350     | 320     | 330     | C       | C       | C       | C       | C       | C       | R       | 350     | 360     | 280     | 300     | 280     | 300     |
| 9       | 300     | 255     | 275     | 255     | u 265 F | u 305 R | 255     | 265     | u 350 R | R       | u 310 C | 340     | 305     | 335     | 325     | 335     | 310     | 330     | 345     | 350     | 310     | 290     | 285     | 285     |
| 10      | 290     | 280     | 290     | 300     | C       | C       | 310     | 330     | C       | C       | 360     | 350     | 330     | 320     | 330     | 310     | 350     | C       | C       | 320     | 360     | C       | C       | C       |
| 11      | 300     | 300     | 300     | 315     | 335     | 335     | 325     | S       | 340     | C       | C       | C       | 335     | 320     | 340     | 325     | R       | R       | 365     | 360     | R       | R       | 315     | 300     |
| 12      | 310     | 325     | 305     | 300     | 315     | 365     | 310     | 300     | A       | 335     | R       | R       | R       | R       | 335     | R       | C       | S       | 340     | A       | 325     | R       | 295     | 300     |
| 13      | C       | C       | u 285 R | 290     | 265     | 290     | 275     | 255     | R       | 325     | u 320 R | C       | C       | C       | u 340 R | u 295 R | R       | u 355 R | 290     | 325     | 345     | 245     | u 265 R | R       |
| 14      | C       | 240     | 250     | 240 F   | 260     | 270     | 280     | 320     | C       | 350     | C       | 330     | C       | C       | R       | 340     | C       | 340     | 330     | 335     | 310     | 350     | C       | 320     |
| 15      | 295     | 295     | 315 V   | 300     | F       | F       | R       | F       | R       | R       | 370     | 355     | R       | 350     | R       | 375     | R       | 365     | R       | 310     | S       | R       | R       | F       |
| 16      | u 340 F | 290 V   | u 300 M | 330 F   | N       | N       | 320 F   | 320     | 340     | 360     | 350     | 320     | 320     | 330     | 320     | 330     | 370     | 350     | 370     | 330     | 330     | 310     | 300     | 300     |
| 17      | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       |
| 18      | C       | 300     | 320 V   | 280 F   | 300     | 310     | 320     | 340     | 340     | 330     | 350 H   | 330     | 325     | 320     | 300 H   | 330     | C       | 335     | C       | 350     | C       | 300     | 290     | 280     |
| 19      | C       | F       | F       | C       | C       | C       | 335     | 300     | A       | R       | 310 V   | 335 H   | 325     | 340     | 330     | 350     | 350     | 340     | 350     | 345     | 340 F   | H       | F       | F       |
| 20      | F       | F       | F       | F       | F       | F       | F       | F       | 330     | R       | 345     | 355     | 345     | 330     | 320     | 325     | 325     | 335     | 295     | 330     | 280     | C       | C       | C       |
| 21      | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       | C       |
| 22      | u 255 R | 280     | 300     | u 280 R | 300     | 305     | 300     | 305     | u 340 R | R       | 370     | u 345 R | R       | u 340 R | u 345 R | R       | R       | u 335 R | R       | 345     | 335     | R       | R       | 245     |
| 23      | C       | C       | S       | S       | S       | S       | 315     | S       | R       | R       | C       | 285     | C       | C       | C       | C       | C       | C       | R       | C       | C       | C       | C       | C       |
| 24      | 300     | 305     | 300     | 320     | 320     | 330     | 335     | 340     | 340     | 330     | C       | 360     | 360     | 330     | 330     | 335     | C       | C       | 350     | 345     | 360     | 300     | 280     | 290     |
| 25      | 320     | 290     | 300     | 300     | 320     | 330     | 330     | 350     | 350     | 340     | 320 H   | 350     | 360     | 330     | 330     | 340     | 360     | 320     | 340     | 370     | A       | 410     | C       | C       |
| 26      | 265     | 270     | 280     | 280     | 285     | 300     | 280     | 305     | R       | R       | u 340 R | 360     | 350     | u 325 R | R       | u 330 R | R       | R       | u 305 R | R       | u 350 R | C       | C       | u 230 R |
| 27      | C       | C       | 315     | 315     | 305     | 325     | 320     | 315     | R       | C       | 350     | 335     | 355     | C       | C       | C       | C       | C       | 300     | 340     | 345     | R       | 275     | A       |
| 28      | 275     | 280     | 290     | 300     | 300     | 315     | 320     | 330     | R       | 320     | 360     | 350     | 320     | 310     | 325     | 320     | 340     | C       | 330     | 360     | 350     | 315     | 300     | 310     |
| 29      | C       | 300     | 290     | 320     | 340     | 350     | 290     | 320     | 360     | 360     | 340     | 340     | 320     | 330     | 320     | 330     | 330     | 340     | 340     | 340     | 340     | C       | 320     | 310     |
| 30      | C       | 280     | 285     | 285     | 320     | 305     | 330     | 320     | R       | 330     | R       | R       | 330     | 340     | 330     | 350     | R       | R       | R       | 350     | 355     | R       | 265     | 280     |
| 31      | C       | 265     | 280     | 260     | 290     | 310     | 300     | R       | R       | C       | R       | 315     | 325     | 320     | 285 F   | C       | 305     | 325     | 315     | 320     | C       | C       | 275     | 270     |
| Медiana | 20      | 20      | 20      | 35      | 40      | 30      | 30      | 40      | 10      | 20      | 30      | 20      | 30      | 15      | 10      | 15      | 20      | 25      | 40      | 20      | 25      | 40      | 30      | 25      |
| Учено   | 295     | 290     | 290     | 300     | 300     | 310     | 320     | 320     | 340     | 335     | 345     | 340     | 330     | 330     | 325     | 330     | 345     | 335     | 330     | 340     | 340     | 300     | 280     | 290     |
| Учено   | 15      | 21      | 23      | 23      | 20      | 20      | 23      | 21      | 13      | 13      | 19      | 19      | 19      | 18      | 20      | 21      | 14      | 17      | 21      | 24      | 22      | 14      | 17      | 17      |
|         | 280/300 | 280/300 | 285/305 | 280/315 | 280/320 | 300/330 | 300/330 | 300/340 | 340/350 | 330/350 | 330/360 | 330/350 | 320/350 | 320/335 | 320/330 | 325/340 | 330/350 | 320/345 | 310/350 | 330/350 | 325/350 | 275/315 | 270/300 | 275/300 |

Пробег частоты от 1.0 Мгц до 10.0 Мгц 0.5 мин.

Станция автоматическая (ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД

(M 3000) F1 0.01 Январь 1967г.  
(характеристика) (единицы) (месяц) (год)

Тбилисский Государственный университет  
(институт)

ИОНОСФЕРНЫЕ ДАННЫЕ

Станция Тбилиси

Кем составлена Канделаки

Долгота 44° 48' E широта 41° 43' N

поясное время 45° E

Кем подсчитана Лешавили

| 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       |    |    |    |    |    |    |    |    |    | 4  | с  | 4  | 4  |     | 4  |    |    |    |    |    |    |    |    |    |
| 2       |    |    |    |    |    |    |    |    |    | с  | 4  | 4  | 4  | с   | 4  |    |    |    |    |    |    |    |    |    |
| 3       |    |    |    |    |    |    |    |    |    |    | 4  |    |    | 4   | 4  |    |    |    |    |    |    |    |    |    |
| 4       |    |    |    |    |    |    |    |    |    |    |    | 4  | 4  | с   | 4  |    |    |    |    |    |    |    |    |    |
| 5       |    |    |    |    |    |    |    |    | с  | с  | с  | с  | с  | с   | с  | с  |    |    |    |    |    |    |    |    |
| 6       |    |    |    |    |    |    |    |    | с  | с  | с  | 4  | с  | с   | 4  |    |    |    |    |    |    |    |    |    |
| 7       |    |    |    |    |    |    |    |    |    |    | 4  |    | 4  | 4   | с  |    |    |    |    |    |    |    |    |    |
| 8       |    |    |    |    |    |    |    | 4  |    |    |    |    | 4  | 4   |    |    | с  |    |    |    |    |    |    |    |
| 9       |    |    |    |    |    |    |    |    |    |    | 4  | 4  | 4  | 4   |    |    |    |    |    |    |    |    |    |    |
| 10      |    |    |    |    |    |    |    |    | с  | с  |    | 4  |    |     |    |    |    |    |    |    |    |    |    |    |
| 11      |    |    |    |    |    |    |    |    |    |    | с  | с  | 4  | 4   |    |    |    |    |    |    |    |    |    |    |
| 12      |    |    |    |    |    |    |    |    |    |    | 4  | 4  | 4  | 4   | 4  |    |    |    |    |    |    |    |    |    |
| 13      |    |    |    |    |    |    |    |    |    |    |    | с  | с  | с   |    |    |    |    |    |    |    |    |    |    |
| 14      |    |    |    |    |    |    |    |    | с  |    | с  | 4  | с  | с   |    |    | с  |    |    |    |    |    |    |    |
| 15      |    |    |    |    |    |    |    |    |    |    | 4  | 4  | 4  | 4   |    |    |    |    |    |    |    |    |    |    |
| 16      |    |    |    |    |    |    |    |    |    |    | 4  | 4  | 4  | 4   |    |    |    |    |    |    |    |    |    |    |
| 17      |    |    |    |    |    |    |    |    | с  | с  | с  | с  | с  | с   | с  | с  |    |    |    |    |    |    |    |    |
| 18      |    |    |    |    |    |    |    |    |    |    | 4  | 4  | 4  | 4   | 4  | 4  |    |    |    |    |    |    |    |    |
| 19      |    |    |    |    |    |    | 4  | 4  | A  |    | 4  | 4  | 4  | 4   | 4  | 4  | 4  |    |    |    |    |    |    |    |
| 20      |    |    |    |    |    |    |    | 4  |    | 4  | 4  | 4  | 4  | 4   | 4  | 4  | 4  |    |    |    |    |    |    |    |
| 21      |    |    |    |    |    |    | с  | с  | с  | с  | с  | с  | с  | с   | с  | с  |    |    |    |    |    |    |    |    |
| 22      |    |    |    |    |    |    |    |    |    |    | 4  | 4  | 4  | 4   | 4  | 4  |    |    |    |    |    |    |    |    |
| 23      |    |    |    |    |    |    |    |    |    |    | 4  | с  | 4  | с   | с  | с  |    |    |    |    |    |    |    |    |
| 24      |    |    |    |    |    |    |    |    |    |    | 4  |    |    | 390 |    |    | с  |    |    |    |    |    |    |    |
| 25      |    |    |    |    |    |    |    |    |    | 4  | 4  | 4  | 4  | 4   | 4  |    |    |    |    |    |    | A  |    |    |
| 26      |    |    |    |    |    |    |    |    |    |    | 4  | 4  | 4  |     |    |    |    |    |    |    |    |    |    |    |
| 27      |    |    |    |    |    |    |    |    |    |    |    | 4  | 4  | с   | с  | с  | с  |    |    |    |    |    |    |    |
| 28      |    |    |    |    |    |    |    |    |    |    |    | 4  | 4  | 4   | 4  | 4  |    |    |    |    |    |    |    |    |
| 29      |    |    |    |    |    |    |    |    |    |    |    | 4  | 4  | 4   | 4  | 4  |    |    |    |    |    |    |    |    |
| 30      |    |    |    |    |    |    |    |    |    |    |    | 4  | 4  | 4   | 4  |    |    |    |    |    |    |    |    |    |
| 31      |    |    |    |    |    |    |    |    |    |    |    | 4  | 4  | 4   |    | с  |    |    |    |    |    |    |    |    |
| Медиана |    |    |    |    |    |    |    |    |    |    |    |    |    | 390 |    |    |    |    |    |    |    |    |    |    |
| Учено   |    |    |    |    |    |    |    |    |    |    |    |    |    | 1   |    |    |    |    |    |    |    |    |    |    |

Пробег частоты от 1.0 Мгц до 10.0 Мгц 0.5 мин.

Станция автоматическая  
(ручная, автоматическая)



# МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

№Ф КМ. Анварь 1967г.  
(характеристика) (единицы) (месяц) (год)

Тбилисский Государственный  
(институт)

Станция Тбилиси

## ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Кандеаки

Долгота 44° 48' E широта 41° 43' N

поясное время 45° E

Кем подсчитана Ломашвили

| 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       | 260     | 270     | 270     | 260     | 260     | 260     | 230     | 215     | 210     | E 220A  | c       | 205     | 200     | 230     | 225     | 230     | 220     | 205     | 225     | 220     | 210     | 225     | 355     | 295     |   |
| 2       | 260     | 235     | 240     | 280     | 300     | 260     | 200     | 220     | 210     | I 205C  | 205     | 250     | 220     | I 215C  | 210     | 240     | 230     | 225     | 260     | 220     | 215     | 250     | 300     | 280     |   |
| 3       | 270     | 290     | 290     | 260     | 290     | 250     | 250     | 210     | 210     | 210     | 200     | 250     | 240     | 200     | 210     | 240     | 220     | 210     | 230     | 220     | 220     | c       | c       | c       |   |
| 4       | c       | E 280A  | 250     | 250     | 250     | 230     | 230     | 200     | 210     | 215     | 210     | 225     | 210     | I 205C  | 200     | 230     | 200     | 210     | 230     | 225     | 220     | 220     | E 300A  | A       |   |
| 5       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       |   |
| 6       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | 190     | c       | c       | 235     | 215     | 205     | 210     | 210     | 225     | 220     | 260     | 300     | A |
| 7       | E 335A  | 310     | 300     | 260     | 255     | 265     | 250     | 230     | 200     | 205     | 190     | 220     | 200     | 180     | I 205C  | 230     | 220     | 225     | 205     | 235     | 290     | E 300B  | 300     | 280     |   |
| 8       | 290     | 290     | 290     | 250     | 270     | 260     | 250     | 200     | 210     | 250     | 210     | 210     | 240     | 230     | 220     | 240     | I 220C  | 210     | 200     | 220     | 300     | 250     | 300     | 250     |   |
| 9       | 275     | 250     | 230     | 250     | 280     | 230     | 280     | 270     | 230     | 230     | 215     | 210     | 220     | 225     | 240     | 220     | 230     | 220     | 210     | 215     | 240     | 285     | 280     | 280     |   |
| 10      | 270     | 280     | 280     | 300     | I 270C  | I 250C  | 240     | 230     | I 225C  | I 225C  | 220     | 200     | 210     | 210     | 230     | 210     | 210     | c       | c       | 210     | 200     | c       | c       | c       |   |
| 11      | E 300B  | 280     | 275     | 280     | 235     | 235     | E 240B  | 250     | 220     | 225     | c       | c       | 200     | 215     | 225     | 230     | 215     | 200     | 200     | 220     | I 255C  | 290     | 265     | 275     |   |
| 12      | 255     | 230     | 255     | 280     | 245     | 200     | 280     | 250     | I 235A  | 225     | 225     | 215     | 200     | 210     | 220     | 220     | 220     | 210     | 200     | E 225A  | 230     | 255     | 260     | 265     |   |
| 13      | c       | c       | 230     | 230     | 240     | 220     | 240     | 240     | 230     | 230     | 220     | c       | c       | c       | 240     | 225     | 210     | 220     | 250     | 205     | 200     | 290     | 290     | U 335R  |   |
| 14      | c       | 350     | 370     | 350     | 340     | 330     | 330     | 210     | I 225C  | 240     | I 225C  | 210     | c       | c       | 230     | 220     | I 210C  | 200     | 230     | 210     | 250     | 240     | I 245C  | 250     |   |
| 15      | 275     | 250     | 250     | 255     | 245     | 220     | 225     | 210     | 205     | 220     | 215     | 210     | 200     | 165     | 215     | 220     | 225     | 200     | 200     | E 250B  | E 260A  | 240     | 280     | 300     |   |
| 16      | 250     | 250     | 270     | 250     | 220     | 240     | E 220B  | 240     | 230     | 220     | 230     | 220     | 200     | 200     | 250     | 230     | 220     | 200     | 210     | 200     | 230     | 280     | 270     | 280     |   |
| 17      | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       |   |
| 18      | c       | 280     | 260     | 280     | 270     | 260     | 230     | 230     | 210     | 220     | 230     | 200     | 200     | 200     | 230H    | 250     | I 230C  | 210     | I 205C  | 200     | I 210C  | 220     | 270     | 300     |   |
| 19      | c       | 300     | 290     | c       | c       | c       | 200     | 230     | I 220A  | 215     | 220     | 200     | 200     | 200     | 215     | 225     | 220     | 225     | 205     | 210     | 220     | 245     | 275     | 285     |   |
| 20      | 280     | 270     | 265     | 235     | 220     | 200     | 240     | 205     | 210     | 200     | 215     | 205     | 190     | 185     | 240     | 230     | 210     | 225     | 210     | 220     | 250     | c       | c       | c       |   |
| 21      | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       |   |
| 22      | 270     | 250     | 230     | 240     | 230     | 230     | 230     | 210     | 200     | 200     | 240     | 210     | 200     | 230     | 215     | 200     | 210     | 205     | U 200R  | 210     | 220     | U 250R  | U 250R  | 280     |   |
| 23      | c       | c       | 230     | 230     | 220     | 220     | 225     | 230     | 200     | 225     | I 220C  | 220     | c       | c       | c       | c       | c       | c       | R       | c       | c       | c       | c       | c       |   |
| 24      | 270     | 260     | 260     | 240     | 240     | 240     | 230     | 230     | 200     | 220     | 210     | 230     | 230     | 200     | 230     | 210     | c       | c       | 220     | 230     | 210     | 250     | 260     | 280     |   |
| 25      | 270     | 280     | 280     | 260     | 250     | 230     | 230     | 220     | 210     | 210     | 220     | 210     | 200     | 200     | 190     | 240     | 210     | 240     | 230     | 200     | A       | E 270A  | c       | c       |   |
| 26      | 260     | 270     | 250     | 250     | 220     | 210     | 220     | 225     | 205     | 210     | 220     | U 220R  | 200     | U 230R  | 215     | 235     | 220     | 200     | 220     | 205     | 200     | c       | c       | U 290R  |   |
| 27      | c       | c       | 250     | 260     | 245     | 225     | 230     | 230     | 210     | 225     | 235     | 220     | 240     | c       | c       | c       | c       | c       | 220     | 200     | 220     | 235     | 275     | A       |   |
| 28      | 300     | 300     | 300     | 260     | 250     | 260     | 250     | 220     | 210     | 210     | 240     | 220     | 210     | 220     | 220     | 240     | 230     | c       | 220     | 210     | 220     | 250     | 260     | 250     |   |
| 29      | c       | 290     | 290     | 250     | 220     | 220     | 230     | 230     | 210     | 230     | 230     | 210     | 210     | 230     | 240     | 230     | 230     | 220     | 210     | 220     | 220     | I 240C  | 260     | 270     |   |
| 30      | c       | 280     | 280     | 280     | 250     | 245     | 225     | 215     | 200     | 210     | 200     | 220     | 205     | E 210B  | 210     | 230     | 225     | 205     | 230     | 210     | 200     | 220     | 290     | 290     |   |
| 31      | c       | 280     | 260     | 250     | 230     | 220     | 230     | 220     | 210     | 210     | 200     | 200     | 205     | 230     | 225     | I 230C  | 235     | 210     | 205     | 220     | c       | c       | 270     | 300     |   |
| Медиана | 20      | 35      | 40      | 30      | 40      | 40      | 15      | 20      | 15      | 15      | 20      | 15      | 15      | 30      | 15      | 15      | 20      | 15      | 25      | 10      | 35      | 30      | 40      | 20      |   |
| Учено   | 270     | 280     | 265     | 260     | 250     | 230     | 230     | 225     | 210     | 220     | 220     | 210     | 200     | 210     | 220     | 230     | 220     | 210     | 210     | V 215   | 220     | 250     | 275     | 280     |   |
| Учено   | 17      | 24      | 27      | 26      | 26      | 26      | 27      | 27      | 27      | 27      | 25      | 26      | 24      | 23      | 26      | 26      | 25      | 23      | 26      | 27      | 25      | 22      | 22      | 20      |   |
|         | 260/280 | 255/295 | 250/290 | 250/280 | 230/270 | 220/260 | 225/240 | 210/230 | 205/220 | 210/225 | 210/230 | 205/220 | 200/215 | 200/230 | 215/230 | 220/235 | 210/230 | 205/220 | 205/230 | 210/220 | 210/245 | 240/270 | 260/300 | 270/290 |   |

Пробег частоты от 1.0 Мгц до 10.0 Мгц 0.5 мин.

Станция автоматическая  
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД

ИОНОСФЕРНЫЕ ДАННЫЕ

h'F2 км. Январь 1967г.  
(характеристика) (единицы) (месяц) (год)

Тбилисский Государственный  
(институт)

Станция Тбилиси

Кем составлена Канделак

Долгота 44° 48'E широта 41° 43'N

поясное время 45°E

Кем подсчитана Ломашвили

| 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       |    |    |    |    |    |    |     |      |    | 205 | I215c            | 230              | 230              |                  | 245              |     |     |    |    |    |    |    |    |    |
| 2       |    |    |    |    |    |    |     |      |    | c   | 230              | 270              | 235              | I220c            | 205              |     |     |    |    |    |    |    |    |    |
| 3       |    |    |    |    |    |    |     |      |    |     | 240              | c                |                  | 220              | 240              |     |     |    |    |    |    |    |    |    |
| 4       |    |    |    |    |    |    |     |      |    |     |                  | 235              | 225              | I230c            | 240              |     |     |    |    |    |    |    |    |    |
| 5       |    |    |    |    |    |    |     |      | c  | c   | c                | c                | c                | c                | c                | c   |     |    |    |    |    |    |    |    |
| 6       |    |    |    |    |    |    |     |      | c  | c   | c                | 240              | c                | c                | 245              |     |     |    |    |    |    |    |    |    |
| 7       |    |    |    |    |    |    |     |      |    |     | 225              |                  | 215              | 250              | c                |     |     |    |    |    |    |    |    |    |
| 8       |    |    |    |    |    |    |     | 250H |    |     |                  |                  | 270              |                  |                  |     |     |    |    |    |    |    |    |    |
| 9       |    |    |    |    |    |    |     |      |    |     | 220              | 220              | 200              | 240              |                  |     |     |    |    |    |    |    |    |    |
| 10      |    |    |    |    |    |    |     |      | c  | c   |                  | 220              |                  |                  |                  |     |     |    |    |    |    |    |    |    |
| 11      |    |    |    |    |    |    |     |      |    |     | c                | c                | 230              | 230              |                  |     |     |    |    |    |    |    |    |    |
| 12      |    |    |    |    |    |    |     |      |    |     | 230              | 225              | 215              | 225              | 225              |     |     |    |    |    |    |    |    |    |
| 13      |    |    |    |    |    |    |     |      |    |     |                  | c                | c                | c                |                  |     |     |    |    |    |    |    |    |    |
| 14      |    |    |    |    |    |    |     |      | c  |     | c                | 270              | c                | c                |                  |     |     |    |    |    |    |    |    |    |
| 15      |    |    |    |    |    |    |     |      |    |     | 225              | 220              | 215              | 230              |                  |     |     |    |    |    |    |    |    |    |
| 16      |    |    |    |    |    |    |     |      |    |     |                  | 230              | 230              | 240              |                  |     |     |    |    |    |    |    |    |    |
| 17      |    |    |    |    |    |    |     |      |    |     | c                | c                | c                | c                |                  |     |     |    |    |    |    |    |    |    |
| 18      |    |    |    |    |    |    |     |      |    |     | 240H             | 250              | 250              | 260              |                  |     |     |    |    |    |    |    |    |    |
| 19      |    |    |    |    |    |    | 275 | 265  | A  |     | 240              | 235H             | 255              | 245              | 245              | 245 |     |    |    |    |    |    |    |    |
| 20      |    |    |    |    |    |    |     | 260  |    | 215 | 235              | 220              | 230              | 315              | 260              | 255 |     |    |    |    |    |    |    |    |
| 21      |    |    |    |    |    |    |     | c    | c  | c   | c                | c                | c                | c                | c                | c   |     |    |    |    |    |    |    |    |
| 22      |    |    |    |    |    |    |     |      |    |     | 240              | 230              | 240              | 230              | 230              | 220 |     |    |    |    |    |    |    |    |
| 23      |    |    |    |    |    |    |     |      |    | 245 | I240c            | 230              | c                | c                | c                | c   |     |    |    |    |    |    |    |    |
| 24      |    |    |    |    |    |    |     |      |    |     | 280              |                  |                  | 250              |                  |     |     |    |    |    |    |    |    |    |
| 25      |    |    |    |    |    |    |     |      |    | 240 | 240H             | 240              | 220              | 250              | 240              |     |     |    |    |    |    |    |    |    |
| 26      |    |    |    |    |    |    |     |      |    |     | 240              | 230              | 250              |                  |                  |     |     |    |    |    |    |    |    |    |
| 27      |    |    |    |    |    |    |     |      |    |     |                  | 295              | E240c            | c                | c                | c   |     |    |    |    |    |    |    |    |
| 28      |    |    |    |    |    |    |     |      |    |     |                  | 250              | 250              | 270              | 250              |     |     |    |    |    |    |    |    |    |
| 29      |    |    |    |    |    |    |     |      |    |     |                  |                  | 240              | 240              | 250              | 250 | 240 |    |    |    |    |    |    |    |
| 30      |    |    |    |    |    |    |     |      |    |     |                  |                  | 235              | 235              | 250              |     |     |    |    |    |    |    |    |    |
| 31      |    |    |    |    |    |    |     |      |    |     |                  | 270              | 240              | 260              |                  |     |     |    |    |    |    |    |    |    |
| Медиана |    |    |    |    |    |    | 275 | 260  |    | 225 | 15<br>240        | 20<br>230        | 25<br>235        | 20<br>240        | 15<br>245        | 240 | 240 |    |    |    |    |    |    |    |
| Учено   |    |    |    |    |    |    | 1   | 3    |    | 4   | 15<br>225<br>240 | 20<br>230<br>250 | 21<br>220<br>245 | 19<br>230<br>250 | 13<br>235<br>250 | 4   | 1   |    |    |    |    |    |    |    |

Пробег частоты от 1.0 Мгц до 10.0 Мгц 0.5 мин.

Станция автоматическая  
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

hE<sub>км</sub> январь 1967г.  
(характеристика) (единицы) (месяц) (год)

Тбилисский Госуниверситет  
(институт)

Станция Тбилиси

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Канделаки

Долгота 44° 48' E широта 41° 43' N

поясное время 45° E

Кем подсчитана Ломашвили

| 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       |    |    |    |    |    |    |    |     | E155A | A     | C     | 105   | 110   | E150A | 100   | 120   | 125   | A     |       |    |    |    |    |    |
| 2       |    |    |    |    |    |    |    | A   | 130H  | I120C | 110   | I110A | 110H  | I105C | 100   | 160   |       |       |       |    |    |    |    |    |
| 3       |    |    |    |    |    |    |    | E   | A     | A     | A     | A     | 110H  | 110   | 120   | 105H  | I110A | 110   |       |    |    |    |    |    |
| 4       |    |    |    |    |    |    |    |     | 140H  | 110   | 110   | 100   | 100   | I110C | 120   | 100   | B     | E     |       |    |    |    |    |    |
| 5       |    |    |    |    |    |    |    | C   | C     | C     | C     | C     | C     | C     | C     | C     | C     | C     |       |    |    |    |    |    |
| 6       |    |    |    |    |    |    |    | C   | C     | C     | C     | 110   | C     | C     | 110H  | 125   | 130   | E     |       |    |    |    |    |    |
| 7       |    |    |    |    |    |    |    | A   | A     | A     | A     | 100H  | I100A | 100   | I110C | 115   | 115   |       |       |    |    |    |    |    |
| 8       |    |    |    |    |    |    |    | 130 | 140   | 110   | 105   | 100   | 100   | 100   | 100   | 110   | C     |       |       |    |    |    |    |    |
| 9       |    |    |    |    |    |    |    | E   | 140   | I125R | 110H  | 105   | 115   | 120H  | 110H  | 105   | 110   | E     |       |    |    |    |    |    |
| 10      |    |    |    |    |    |    |    |     | C     | C     | 100   | 100   | 100   | 110   | C     | C     | 110   | C     | C     |    |    |    |    |    |
| 11      |    |    |    |    |    |    |    | E   | E145A | 100H  | C     | C     | 100   | B     | B     | 100   | A     |       |       |    |    |    |    |    |
| 12      |    |    |    |    |    |    |    |     | A     | A     | 100   | 100   | 100   | 105   | 110   | C     | C     | R     |       |    |    |    |    |    |
| 13      |    |    |    |    |    |    |    | E   | 100   | U100R | U100R | C     | C     | C     | U100R | 100   | 100   |       |       |    |    |    |    |    |
| 14      |    |    |    |    |    |    |    | 150 | C     | C     | C     | C     | C     | C     | C     | C     | C     |       |       |    |    |    |    |    |
| 15      |    |    |    |    |    |    |    |     |       |       | 100H  | 100   | 100   | R     | 100   | R     | R     | R     | E120B | R  |    |    |    |    |
| 16      |    |    |    |    |    |    |    | A   | 130   | 100   | C     | E150C | C     | 100   | 100H  | 110   | 100   | A     |       |    |    |    |    |    |
| 17      |    |    |    |    |    |    |    | C   | C     | C     | C     | C     | C     | C     | C     | C     | C     | C     | C     |    |    |    |    |    |
| 18      |    |    |    |    |    |    |    |     | C     | C     | 125   | 115   | 115   | 115   | 120   | 125H  | C     | A     | C     | C  |    |    |    |    |
| 19      |    |    |    |    |    |    |    | 165 | I255A | 145   | 105   | 110   | 120   | 120   | 110   | 115H  | 130H  | 150   |       |    |    |    |    |    |
| 20      |    |    |    |    |    |    | E  | E   | 120   | 105   | 110   | 105   | 115   | 120   | 110H  | 110   | 100   | A     |       |    |    |    |    |    |
| 21      |    |    |    |    |    |    |    | C   | C     | C     | C     | C     | C     | C     | C     | C     | C     | C     |       |    |    |    |    |    |
| 22      |    |    |    |    |    |    |    | E   | U130R | U100R | 100   | 100   | 100   | 100   | 100   | 100   | 100   | U140R |       |    |    |    |    |    |
| 23      |    |    |    |    |    |    |    | E   | E110A | 100   | I100C | 105   | C     | C     | C     | C     | C     | C     |       |    |    |    |    |    |
| 24      |    |    |    |    |    |    |    |     | 120   | 110   | 100   | 110   | 100   | 105   | 100   | 105   | C     | C     |       |    |    |    |    |    |
| 25      |    |    |    |    |    |    |    | A   | 120   | 120   | 100   | 100   | 100   | 100   | 100   | 100H  | 110   |       |       |    |    |    |    |    |
| 26      |    |    |    |    |    |    |    | E   | U100R | 100   | C     | C     | C     | C     | C     | U100R | C     | E     |       |    |    |    |    |    |
| 27      |    |    |    |    |    |    |    | E   | 190B  | A     | 100   | C     | C     | C     | C     | C     | C     | C     |       |    |    |    |    |    |
| 28      |    |    |    |    |    |    |    | E   | 140   | I125C | 110   | C     | C     | C     | C     | C     | 100   | C     |       |    |    |    |    |    |
| 29      |    |    |    |    |    |    |    |     | 120H  | 110   | 120   | 110   | 110   | 100   | 100   | 100   | 100   | 120   |       |    |    |    |    |    |
| 30      |    |    |    |    |    |    |    | E   | 120   | 100   | 100   | 100   | 100   | 100   | 100   | 100   | 90    | A     |       |    |    |    |    |    |
| 31      |    |    |    |    |    |    |    | E   | 115   | 100   | U105R | 110   | 115   | 120   | 115   | I110C | 110H  | 125H  | E     |    |    |    |    |    |
| Медиана |    |    |    |    |    |    | E  | E   | 130   | 105   | 105   | 105   | 100   | 105   | 100   | 105   | 110   | 150   |       |    |    |    |    |    |
| Учтено  |    |    |    |    |    |    | 1  | 14  | 19    | 19    | 19    | 21    | 20    | 19    | 21    | 21    | 16    | 9     | 2     |    |    |    |    |    |

Пробег частоты от 1.0 Мгц до 10.0 Мгц 0.5 мин.

Станция автоматическая

(ручная, автоматическая)

# МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

h'E's' км. Анварь 1967г.  
(характеристика) (единицы) (месяц) (год)

Тбилисский Государственный  
(институт) университет

Станция Тбилиси

## ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Канделаки

Долгота 44°48'E широта 41°43'N

поясное время 45°E

Кем подсчитана Ломашвили

| 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       | B   | 105 | B   | 100 | 110 | B   | E   | E   | 120 | 105 | C   | G   | 120 | 100 | G   | G   | 140 | 110 | 105 | 100 | 100 | 100 | 100 | 100 |
| 2       | B   | E   | E   | E   | E   | E   | E   | 105 | G   | C   | G   | 110 | G   | C   | G   | 105 | 100 | 100 | 100 | B   | B   | 105 | 100 | 100 |
| 3       | 100 | 100 | 100 | B   | 100 | B   | B   | 130 | 115 | 115 | 110 | 110 | G   | G   | G   | G   | 105 | G   | B   | B   | B   | C   | C   | C   |
| 4       | C   | 100 | 100 | 100 | 100 | B   | B   | E   | G   | G   | G   | G   | 130 | C   | 120 | G   | B   | G   | B   | B   | B   | 100 | B   | 100 |
| 5       | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   |
| 6       | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | G   | C   | C   | G   | G   | G   | B   | B   | B   | 110 | 105 | 105 |
| 7       | 100 | 100 | 100 | 100 | 100 | B   | B   | 100 | 100 | 100 | 100 | G   | 100 | G   | C   | 120 | 115 | 90  | B   | B   | 105 | B   | 100 | B   |
| 8       | B   | 100 | 100 | 100 | 100 | B   | B   | G   | 140 | G   | G   | G   | G   | G   | G   | 110 | C   | B   | 100 | 100 | 100 | B   | B   | B   |
| 9       | 100 | 100 | 100 | 100 | 100 | B   | B   | G   | G   | 105 | G   | 135 | G   | G   | G   | 110 | G   | G   | 105 | B   | B   | B   | B   | B   |
| 10      | 100 | B   | E   | 100 | C   | C   | B   | E   | C   | C   | G   | G   | G   | G   | C   | C   | G   | C   | C   | B   | B   | C   | C   | C   |
| 11      | B   | E   | E   | E   | E   | B   | B   | G   | 100 | G   | C   | C   | G   | B   | B   | 110 | 105 | B   | B   | B   | C   | B   | B   | B   |
| 12      | B   | E   | B   | E   | E   | B   | B   | 100 | 100 | 100 | G   | G   | G   | G   | G   | C   | C   | B   | 105 | 100 | E   | B   | B   | E   |
| 13      | C   | C   | B   | E   | E   | B   | E   | G   | G   | G   | G   | C   | C   | C   | G   | G   | G   | 100 | 100 | B   | 100 | B   | B   | 100 |
| 14      | C   | 100 | 100 | 100 | 110 | B   | B   | 100 | C   | C   | C   | C   | C   | C   | C   | C   | C   | B   | B   | B   | B   | B   | C   | B   |
| 15      | 100 | 100 | 100 | 100 | E   | B   | B   | B   | G   | G   | G   | B   | G   | B   | B   | B   | B   | B   | B   | B   | 100 | B   | 100 | B   |
| 16      | B   | E   | E   | E   | E   | B   | 130 | 110 | G   | G   | C   | G   | C   | G   | G   | G   | G   | 100 | B   | 100 | 100 | B   | B   | B   |
| 17      | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   |
| 18      | C   | B   | E   | E   | E   | E   | B   | E   | C   | C   | 170 | G   | G   | G   | 150 | G   | C   | 100 | C   | E   | C   | B   | B   | 100 |
| 19      | C   | 105 | 100 | C   | C   | C   | 100 | G   | 100 | 100 | 110 | 125 | G   | G   | 135 | G   | 100 | 105 | 130 | B   | B   | B   | B   | B   |
| 20      | B   | E   | E   | 100 | 100 | 100 | G   | E   | 130 | 115 | 130 | 135 | 130 | 140 | 130 | 130 | 120 | 100 | B   | 100 | B   | C   | C   | C   |
| 21      | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   | C   |
| 22      | E   | E   | E   | E   | E   | B   | E   | G   | G   | G   | G   | G   | G   | G   | G   | G   | G   | G   | E   | B   | B   | B   | B   | B   |
| 23      | C   | C   | 100 | B   | B   | B   | E   | G   | G   | G   | C   | G   | C   | C   | C   | C   | C   | C   | B   | C   | C   | C   | C   | C   |
| 24      | B   | E   | E   | E   | E   | B   | B   | B   | G   | 140 | G   | G   | G   | G   | G   | G   | C   | C   | B   | B   | B   | B   | B   | B   |
| 25      | B   | E   | E   | E   | E   | E   | B   | 100 | G   | G   | 120 | G   | G   | G   | G   | G   | G   | B   | 100 | 100 | 100 | 100 | C   | C   |
| 26      | B   | E   | E   | E   | E   | B   | E   | G   | G   | G   | C   | C   | C   | C   | C   | G   | C   | G   | B   | B   | B   | C   | C   | B   |
| 27      | C   | C   | 100 | 100 | E   | B   | B   | G   | 120 | G   | C   | C   | C   | C   | C   | C   | C   | 90  | B   | B   | B   | B   | B   | 100 |
| 28      | B   | 100 | 100 | B   | E   | B   | B   | G   | G   | C   | 125 | C   | C   | C   | C   | C   | G   | C   | B   | 100 | 100 | 100 | B   | B   |
| 29      | C   | E   | E   | E   | E   | B   | B   | B   | G   | G   | G   | G   | G   | G   | G   | G   | 130 | G   | E   | B   | B   | C   | B   | B   |
| 30      | C   | 90  | 90  | 85  | E   | B   | B   | G   | G   | G   | G   | G   | G   | G   | G   | G   | 135 | 115 | G   | 120 | B   | B   | B   | B   |
| 31      | C   | E   | E   | E   | E   | B   | B   | G   | G   | G   | G   | G   | G   | G   | G   | C   | G   | G   | G   | B   | C   | C   | B   | B   |
| Медиана | 100 | 100 | 100 | 100 | 100 | 100 | 115 | 100 | 115 | 105 | 120 | 125 | 120 | 120 | 135 | 110 | 110 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Учено   | 5   | 11  | 12  | 11  | 8   | 1   | 2   | 7   | 9   | 8   | 7   | 5   | 4   | 2   | 5   | 7   | 8   | 9   | 9   | 7   | 8   | 6   | 5   | 7   |

Пробег частоты от 1.0 МГц до 10.0 МГц 0.5 мин.

Станция автоматическая  
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД

hpF<sub>2</sub> к.м. Январь 1967г.  
(характеристика) (единицы) (месяц) (год)

Тбилисский Государственный Университет  
(институт)

ИОНОСФЕРНЫЕ ДАННЫЕ

Станция Тбилиси

Кем составлена Канделики

Долгота 44° 48' E широта 41° 43' N

поясное время 45° E

Кем подсчитана Ломашвили

| 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       | F       | F       | F       | F       | F       | F       | c       | F       | F       | R       | c       | 260     | R       | 280     | 265     | 255     | 245     | R       | 270     | R       | R       | 390     | 450     | 370F    |     |
| 2       | u 370F  | 320     | u 350F  | u 380F  | u 410F  | 350     | 240     | 320V    | u 270R  | c       | 270     | c       | 300     | c       | 270     | 280     | 260     | 280     | 315     | 260     | 270     | 340     | 360     | 360     |     |
| 3       | 340     | 370     | 350     | 350     | 370     | 350     | 330     | 300     | 250     | 250     | 280     | u 280c  | 260     | 260     | 280     | 280     | 270     | 260     | 300     | 290     | 290V    | c       | c       | c       |     |
| 4       | c       | 310     | 310     | 315     | 320     | 295     | 280     | 260     | 240     | R       | 230     | 270     | 245     | c       | 270     | 250     | R       | 255     | 280     | 280     | 255     | 225     | 335     | A       |     |
| 5       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       |     |
| 6       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | 280     | 250     | 270     | 300     | 270     | u 300F  | 270     | u 320F  | u 380F  | A       |     |
| 7       | 350     | 345     | 315     | 335     | 340     | 325     | R       | 250     | R       | R       | 265     | R       | S       | S       | c       | c       | S       | S       | S       | S       | S       | 370     | 420     | R       | 385 |
| 8       | 350     | 370     | 340     | 300     | 340     | 330     | 300     | 250H    | 250     | 310     | 300     | c       | c       | c       | c       | c       | c       | u 240R  | 250     | 250     | 370     | 320     | 360     | 300     |     |
| 9       | 300     | 340     | 300     | 305     | u 310F  | u 310R  | 320     | 340     | u 260R  | R       | u 270c  | 250     | 300     | 265     | 270     | 260     | 305     | 260     | 250     | 260     | 300     | 340     | 350     | 350     |     |
| 10      | 330     | 330     | 350     | 340     | c       | c       | 280     | 280     | c       | c       | 250     | 240     | 250     | 270     | 270     | 270     | 240     | c       | c       | 270     | 240     | c       | c       | c       |     |
| 11      | 350     | 330     | 335     | 295     | 285     | 270     | 280     | S       | 245     | c       | c       | c       | 250     | 285     | 265     | 290     | R       | R       | 235     | 240     | c       | R       | 325     | 325     |     |
| 12      | 300     | 280     | 330     | 350     | 300     | 230     | 310     | 295     | A       | 265     | R       | R       | R       | R       | 260     | R       | c       | S       | 240     | 240     | 280     | R       | 330     | 335     |     |
| 13      | c       | c       | u 300R  | 310     | 330     | 270     | 280     | 300     | R       | 260     | u 260R  | c       | c       | c       | u 260R  | u 305R  | u 230R  | u 250R  | 330     | 270     | 240     | 370     | u 350R  | u 360R  |     |
| 14      | c       | 450     | 450     | 450F    | 420     | 400     | 380     | 290     | 260     | c       | 260     | 300     | c       | c       | u 270R  | 270     | c       | 250     | 270     | 270     | 330     | 260     | c       | 300     |     |
| 15      | 330     | 330     | 300V    | 310     | F       | F       | R       | F       | R       | R       | 240     | 250     | R       | 250     | R       | 240     | R       | 235     | R       | 300     | S       | R       | R       | F       |     |
| 16      | u 280F  | 350V    | u 350N  | 300F    | N       | N       | 280F    | 270     | 240     | 250     | 270     | 250     | 270     | 270     | 280     | 250     | 250     | 240     | 240     | 250     | 250     | 320     | 350     | 350     |     |
| 17      | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       |     |
| 18      | c       | 360     | 290V    | 380F    | 360     | 340     | 290     | 290     | 260     | 270     | 260H    | 270     | 280     | 280     | 300     | 280     | c       | 260     | c       | 230     | c       | 320     | 330     | 400     |     |
| 19      | c       | F       | F       | c       | c       | c       | 275     | 330     | A       | R       | 285V    | 300     | 270     | 255     | 270     | 265     | 235     | 255     | R       | 270     | 270F    | H       | F       | F       |     |
| 20      | F       | F       | F       | F       | F       | F       | F       | F       | R       | R       | 260     | 235     | 260     | 330     | 275     | 275     | 285     | 270     | R       | R       | 350     | c       | c       | c       |     |
| 21      | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       | c       |     |
| 22      | u 350R  | 320     | 300     | u 320R  | 300     | 300     | 300     | 280     | u 250R  | R       | 240     | u 255R  | u 280R  | u 260R  | u 270R  | R       | u 240R  | u 250R  | u 300R  | 260     | 260     | u 300R  | u 350R  | 360     |     |
| 23      | c       | c       | S       | S       | S       | S       | 290     | S       | R       | R       | c       | 320     | c       | c       | c       | c       | c       | R       | c       | c       | c       | c       | c       | c       |     |
| 24      | 340     | 350     | 340     | 300     | 340     | 280     | 280     | 270     | 240     | 270     | c       | 240     | 250     | 270     | 280     | 260     | c       | c       | 260     | 280     | 250     | 300     | 350     | 340     |     |
| 25      | 320     | 350     | 350     | 340     | 300     | 270     | 270     | 230     | 230     | 270     | 280H    | 250     | 240     | 300     | 270     | 260     | 250     | 270     | 270     | 230     | A       | 350     | c       | c       |     |
| 26      | 340     | 340     | 330     | 320     | 300     | 300     | 310     | 300     | R       | u 270R  | u 260R  | 250     | 260     | u 280R  | u 290R  | u 290R  | u 260R  | u 290R  | u 300R  | u 240R  | u 250R  | c       | c       | u 350R  |     |
| 27      | c       | c       | 335     | 300     | 330     | 280     | 295     | 285     | R       | R       | 265     | 280     | 250     | c       | c       | c       | c       | c       | 330     | 260     | 275     | R       | 350     | A       |     |
| 28      | 370     | 360     | 350     | 350     | 340     | 320     | 300     | 280     | u 240R  | 270     | 250     | 270     | 290     | 300     | 260     | 270     | 250     | c       | 280     | 250     | 260     | 300     | 320     | 300     |     |
| 29      | c       | 350     | 370     | 330     | 270     | 250     | 300     | 270     | 240     | 250     | 250     | 270     | 280     | 280     | 290     | 280     | 270     | 250     | 270     | 270     | 270     | c       | 330     | 340     |     |
| 30      | c       | 350     | 345     | 340     | 300     | 310     | 275     | 250     | R       | 240     | R       | R       | 275     | 265     | 280     | 250     | R       | R       | R       | 250     | 250     | R       | 365     | 350     |     |
| 31      | c       | 360     | 350     | 320     | 300     | 280     | 290     | u 260R  | u 250R  | c       | u 280R  | 280     | 260     | 275     | 330F    | c       | 300     | 300     | 300     | 300     | c       | c       | 365     | 390     |     |
| Медиана | 30      | 30      | 40      | 40      | 50      | 50      | 20      | 40      | 20      | 20      | 25      | 25      | 30      | 15      | 10      | 30      | 30      | 20      | 45      | 25      | 45      | 50      | 30      | 25      |     |
| Учено   | 340     | 350     | 340     | 320     | 325     | 300     | 290     | 280     | 250     | 270     | 260     | 265     | 260     | 270     | 270     | 270     | 255     | 260     | 270     | 260     | 270     | 320     | 350     | 350     |     |
|         | 15      | 21      | 23      | 23      | 20      | 20      | 23      | 22      | 15      | 12      | 21      | 20      | 19      | 18      | 23      | 21      | 16      | 18      | 20      | 24      | 21      | 15      | 18      | 18      |     |
|         | 350/320 | 360/330 | 350/310 | 350/310 | 350/300 | 325/275 | 300/280 | 300/260 | 260/240 | 270/250 | 275/250 | 275/250 | 280/250 | 280/265 | 280/270 | 280/250 | 270/240 | 270/250 | 300/255 | 275/250 | 295/250 | 350/300 | 360/330 | 360/335 |     |

Пробег частоты от 1.0 Мгц до 10.0 Мгц 0.5 мин.

Станция автоматическая  
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД

Типы Es Январь 1967г.  
(характеристика) (единицы) (месяц) (год)

Тбилисский Гос. университет  
(институт)

Станция Тбилиси

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Кандеаки

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       |    | f1 |    | f1 | f1 |    |    |    | e2 | e3 | c    |    | e1 | e1 |    | c1 | e1 | f1 | f1 | f1 | f1 | f1 | f1 | f1 |
| 2       |    |    |    |    |    |    |    | e2 |    | c  |      | e3 |    | c  |    | e1 | f2 | f2 | f2 |    |    | f1 | f1 | f2 |
| 3       | f2 | f1 | f1 |    | f1 |    |    | e1 | e2 | e2 | e2   | e2 |    |    |    |    | e1 |    |    |    |    | c  | c  | c  |
| 4       | c  | f1 | f1 | f1 | f1 |    |    |    |    |    |      |    | c1 | c  | c1 |    |    |    |    |    |    | f1 |    | f1 |
| 5       | c  | c  | c  | c  | c  | c  | c  | c  | c  | c  | c    | c  | c  | c  | c  | c  | c  | c  | c  | c  | c  | c  | c  | c  |
| 6       | c  | c  | c  | c  | c  | c  | c  | c  | c  | c  | c    | c  | c  | c  | c  | c  | c  | c  | c  | c  | c  | f1 | f2 | f2 |
| 7       | f2 | f3 | f4 | f1 | f1 |    |    | e2 | e1 | e1 | e1   |    | e1 |    | c  | c1 | c1 | f1 |    |    | f1 |    | f1 |    |
| 8       |    | f2 | f2 | f2 | f3 |    |    |    | c1 |    |      |    |    |    |    | c1 | c  | f1 | f1 | f1 |    |    |    |    |
| 9       | f1 | f1 | f1 | f2 | f1 |    |    |    |    | e1 |      | c1 |    |    |    | c2 |    | f1 |    |    |    |    |    |    |
| 10      | f1 |    |    | f2 |    | c  | c  |    | c  | c  |      |    |    |    | c  | c  |    |    |    |    | c  | c  | c  | c  |
| 11      |    |    |    |    |    |    |    |    | e1 |    | c    | c  |    |    |    | c1 | e1 |    |    |    | c  |    |    |    |
| 12      |    |    |    |    |    |    |    | f5 | e1 | e1 |      |    |    |    |    |    |    | f1 | f1 | f1 |    |    |    |    |
| 13      | c  | c  |    |    |    |    |    |    |    |    |      | c  | c  | c  |    |    |    | f1 | f1 |    | f1 |    |    | f2 |
| 14      | c  | f1 | f1 | f1 | f1 |    |    | e1 | c  | c  | c    | c  | c  | c  | c  | c  | c  |    |    |    |    |    | c  |    |
| 15      | f1 | f1 | f1 | f2 |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    | f1 |    | f1 |    |
| 16      |    |    |    |    |    |    | f1 | e1 |    |    | c    | c  | c  |    |    |    |    | c1 |    | f1 | f1 |    |    |    |
| 17      | c  | c  | c  | c  | c  | c  | c  | c  | c  | c  | c    | c  | c  | c  | c  | c  | c  | c  | c  | c  | c  | c  | c  | c  |
| 18      | c  |    |    |    |    |    |    |    | c  | c  | c1   |    |    |    | c1 |    | c  | e1 | c  |    | c  |    |    | f2 |
| 19      | c  | f2 | f2 | c  | c  | c  | f1 |    | e5 | e2 | e1c2 | c1 |    |    | c1 |    | e2 | e1 | f1 |    |    |    |    |    |
| 20      |    |    |    | f1 | f2 | f1 |    |    | c3 | c2 | c2   | c1 | c1 | c1 | c1 | c2 | c3 | e2 | f1 | f1 |    | c  | c  | c  |
| 21      | c  | c  | c  | c  | c  | c  | c  | c  | c  | c  | c    | c  | c  | c  | c  | c  | c  | c  | c  | c  | c  | c  | c  | c  |
| 22      |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 23      | c  | c  | f1 |    |    |    |    |    |    |    | c    |    | c  | c  | c  | c  | c  | c  |    | c  | c  | c  | c  | c  |
| 24      |    |    |    |    |    |    |    |    |    | c1 |      |    |    |    |    |    | c  | c  |    |    |    |    |    |    |
| 25      |    |    |    |    |    |    |    | e2 |    |    | c1   |    |    |    |    |    |    |    | f2 | f1 | f2 | f1 | c  | c  |
| 26      |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    | c  | c  |    |
| 27      | c  | c  | f1 | f1 |    |    |    |    | e1 |    | c    | c  | c  | c  | c  | c  | c  | c  | f1 |    |    |    |    | f1 |
| 28      |    | f2 | f1 |    |    |    |    |    |    | c  | c1   | c  | c  | c  | c  | c  | c  | c  |    | f1 | f1 | f1 |    |    |
| 29      | c  |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    | c1 |    |    |    |    | c  |    |    |
| 30      | c  | f2 | f2 | f1 |    |    |    |    |    |    |      |    |    |    | c1 | c1 |    | e2 |    |    |    |    |    |    |
| 31      | c  |    |    |    |    |    |    |    |    |    |      |    |    |    | c  |    |    |    |    |    |    | c  | c  |    |
| Медиана |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |
| Учено   |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |

Пробег частоты от 1.0 Мгц до 10.0 Мгц 0.5 мин.

Станция автоматическая  
(ручная, автоматическая)