

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

5072 Мгц декабрь 1969 г.
(характеристика) (единицы) (месяц) (год)

Тбилисский Государственный Университет
(Институт)

Станция Тбилиси

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Матулашвили Н.А.

Долгота 44° 48' В широта 41° 43' Ю

поясное время 45° Е

Кем подсчитана Матулашвили Н.А.

| 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 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 2 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 3 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 4 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 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 | C | C | C |
| 7 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 8 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 9 | C | C | C | C | C | C | C | C | C | C | C | R | 100 | I 86 C | 83 H | 82 | 66 | 50 | 52 | C | C | C | 34 | 35 |
| 10 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 11 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 12 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 13 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 14 | S | S | S | S | S | 43 V | S | S | S | S | 74 | 90 | 90 | I 72 C | 82 | 81 | 77 | 49 | 44 | C | 45 | 29 | C | C |
| 15 | 30 | 32 | C | C | C | C | C | C | C | C | 76 | 82 | 81 | C | 81 | 56 | 44 | C | C | C | C | C | C | C |
| 16 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 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 | C | C | C | C | C | C | C | C | C | U 90 R | U 75 R | 89 | 81 | I 77 R | U 45 V | 41 | 40 | 30 | 28 | 28 | 31 |
| 19 | C | C | C | C | C | C | C | C | 68 | U 74 R | 85 | C | C | C | 78 | C | C | C | 40 | 47 | 34 | 25 | C | C |
| 20 | 39 | C | C | C | C | C | 38 | 41 | 67 | 74 | U 92 S | J 92 C | J 88 S | 87 | C | 82 | 74 | 55 | 58 | 35 | 40 | 31 | 30 | 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 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 23 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 24 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 25 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 26 | 38 | 40 | 39 | 37 | 35 | 37 | 36 | I 44 C | 85 | 90 | 95 | 102 | 100 | C | C | C | C | C | C | C | C | C | U 34 R | U 35 V |
| 27 | 38 | C | C | C | C | C | C | C | C | C | 109 | 109 | 109 | 98 | 109 | 98 | 82 | C | C | A J 29 A | 29 | 29 | 29 | 32 |
| 28 | C | C | 34 | U 32 S | 35 | 40 | U 32 S | C | R | 88 | C | I 109 C | 108 | 100 | C | 82 | C | C | C | C | C | C | C | C |
| 29 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 30 | C | C | C | C | C | C | 28 | 35 | 70 | 88 | 103 | 96 | 88 | I 89 C | C | C | C | 68 | 53 | 38 | A | 30 | 32 | C |
| 31 | 35 | I 31 C | 35 | 34 | 35 | C | C | C | 70 | 100 | 93 | 94 | 88 | 93 | C | C | C | C | C | C | C | C | C | C |
| Медiana | 3 | 9 | 5 | 5 | 6 | 7 | 9 | 8 | 16 | 9 | 14 | 12 | 19 | 11 | 1 | 11 | 3 | 12 | 8 | 12 | 8 | 5 | 2 | |
| Учено | 38 | 32 | 35 | 34 | 35 | 40 | 34 | 41 | 70 | 88 | 94 | 95 | 90 | 90 | 82 | 82 | 75 | 102 | 48 | 39 | 34 | 29 | 31 | 34 |
| | 5 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 5 | 6 | 8 | 8 | 9 | 8 | 6 | 7 | 6 | 5 | 6 | 4 | 5 | 6 | 6 | 4 |
| | 34 | 31 | 34 | 32 | 35 | 37 | 30 | 35 | 68 | 74 | 80 | 91 | 88 | 46 | 78 | 81 | 66 | 47 | 41 | 36 | 30 | 29 | 32 | 34 |
| | 37 | 40 | 39 | 37 | 35 | 43 | 37 | 44 | 76 | 90 | 89 | 105 | 100 | 95 | 89 | 89 | 77 | 50 | 53 | 44 | 42 | 30 | 34 | 34 |

Пробег частоты от 0.1 Мгц до 10.0 Мгц 0.5 мин.

Станция Автоматическая (ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

FoF1 мгц декабрь 1969 г.
(характеристика) (единицы) (месяц) (год)

Тбилисский Государственный
(институт)

Станция Тбилиси

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Матулашвили

Долгота 44°48' E широта 41°43' N

поясное время 45° E

Кем подсчитана Матулашвили

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

Пробег частоты от 0.1 Мгц до 10.0 Мгц 0.5 мин.

Станция Автоматическая
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

SoE 001 мчз декабрь 1969 г.
(характеристика) (единицы) (месяц) (год)

Тбилисский Государственный Университет
(институт)

Станция Тбилиси

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Шатулашвили М.А.

Долгота 44° 48' E широта 41° 43' N

поясное время 45° E

Кем подсчитана Шатулашвили М.А.

| 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 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 2 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 3 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 4 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 5 | | | | | | | 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 | | | | | | |
| 7 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 8 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 9 | | | | | | | C | C | C | C | C | 300 | 330H | 1300C | 280 | 250 | 1220 | A | | | | | | |
| 10 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 11 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 12 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 13 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 14 | | | | | | | E | A | 225H | 270H | 280H | 305 | 310 | 1300C | 300H | 210 | A | E | | | | | | |
| 15 | | | | | | | C | C | C | C | 295 | 325H | C | C | 300H | C | A | A | | | | | | |
| 16 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 17 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 18 | | | | | | | C | C | C | C | C | C | 310 | 300 | 280 | 250 | 1150A | C | | | | | | |
| 19 | | | | | | | C | C | 190 | 250 | A | C | C | C | 285 | C | C | C | | | | | | |
| 20 | | | | | | | C | A | A | A | 290 | 1300A | 1310A | 320 | 1300C | 270 | C | C | | | | | | |
| 21 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 22 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 23 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 24 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 25 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 26 | | | | | | | C | C | C | 260 | 290 | 310 | 315 | C | C | C | C | C | | | | | | |
| 27 | | | | | | | C | C | C | C | 300 | 305 | A | A | A | 280 | C | C | | | | | | |
| 28 | | | | | | | C | C | 210H | C | C | C | 325 | 320 | 1300A | A | A | C | | | | | | |
| 29 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 30 | | | | | | | C | C | 1190A | 250 | 290 | A | A | C | C | C | C | C | | | | | | |
| 31 | | | | | | | C | C | 190H | 260 | 295 | 305 | 315 | 320 | C | C | C | C | | | | | | |
| Медиана | | | | | | | E | | 30 | 15 | 5 | 10 | 15 | 20 | 20 | 45 | 35 | | | | | | | |
| Учено | | | | | | | 1 | | 190 | 260 | 295 | 305 | 315 | 310 | 300 | 250 | 185 | E | | | | | | |
| | | | | | | | | | 5 | 5 | 7 | 7 | 7 | 6 | 7 | 2 | 2 | 1 | | | | | | |
| | | | | | | | | | 190 | 250 | 290 | 300 | 310 | 300 | 280 | 230 | 185 | | | | | | | |
| | | | | | | | | | 220 | 265 | 295 | 310 | 325 | 320 | 300 | 275 | 220 | | | | | | | |

Пробег частоты от 0.1 Мгц до 10.0 Мгц 0.5 мин.

Станция Автоматическая
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

ЮЕБ (характеристика) (единицы) (месяц) (год)
 декабрь 1969г

Тбилисский Государственный Университет
 (институт)

Станция Тбилиси

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Матулашвили Н.А.

Долгота 44° 48' E широта 41° 43' N

поясное время 45° E

Кем подсчитана Матулашвили Н.А.

| 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 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 2 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 3 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 4 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 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 | C | C | C |
| 7 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 8 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 9 | C | C | C | C | C | C | C | C | C | C | C | 34 | 34 | C | 34 | 29 | 21 | 15 | E13B | C | C | C | 39 | 20 |
| 10 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 11 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 12 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 13 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 14 | E16B | E14B | E13B | E12B | E11B | G | 30 | G | 26 | 32 | 34 | 34 | C | G | 28 | 26 | E13B | E13B | C | E12B | E15B | C | C | C |
| 15 | E15B | E14B | C | C | C | C | C | C | C | G | G | C | C | C | G | C | 26 | 21 | J34X | C | C | C | C | C |
| 16 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 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 | C | C | C | C | C | C | C | C | C | G | 33 | G | 38 | 49 | 40 | 42 | 42 | 43 | E13B | 24 | 32 |
| 19 | C | C | C | C | C | C | C | C | 24 | G | 40 | C | C | C | 31 | C | C | C | 28 | E15B | E15B | E14B | C | C |
| 20 | E18B | C | C | C | C | C | E16B | J24X | 29 | 28 | G | 47 | 36 | G | C | 29 | C | E15B | 41 | 20 | 36 | E11B | E17B | 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 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 23 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 24 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 25 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 26 | 34 | 29 | E16B | E14B | 24 | 22 | E13B | C | C | 31 | 31 | G | G | C | C | C | C | C | C | C | C | 35 | E18C | E17C |
| 27 | E18B | C | C | C | C | C | C | C | C | C | 40 | G | 39 | 42 | 37 | G | 28 | C | C | 40 | 35 | 29 | 18 | 28 |
| 28 | C | C | J28X | J28X | 28 | E12B | E11B | C | G | 42 | C | C | G | G | G | 45 | 25 | C | C | C | C | C | C | C |
| 29 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 30 | C | C | C | C | C | C | 23 | 25 | 43 | 29 | G | 60 | 32 | C | C | C | C | E14B | 24 | 54 | 58 | 58 | 56 | C |
| 31 | E18B | C | E13B | E15B | E12B | C | C | C | G | G | G | G | G | G | C | C | C | C | C | C | C | C | C | C |
| Медiana | E18 | D15 E14 | D15 14 | 16 14 | D16 18 | D11 E12 | 3 E13 | 6 25 | - 24 | - 28 | - 31 | - 40 | - 33 | - G | - G | 10 29 | 3 26 | D26 E15 | D25 26 | 28 40 | 29 36 | D22 E15 | D21 21 | 14 24 |
| Учено | 6 | 3 | 4 | 4 | 4 | 3 | 5 | 3 | 6 | 7 | 8 | 8 | 8 | 5 | 7 | 6 | 6 | 6 | 7 | 5 | 6 | 7 | 6 | 4 |
| | E16 E18 | E14 29 | E13 28 | 12 28 | E12 28 | E11 22 | G11 20 | 24 30 | G 29 | G 31 | G 36 | G 34 | G 35 | G 38 | G 34 | 28 38 | 25 28 | E14 40 | E13 38 | 18 46 | 14 43 | E13 35 | E18 39 | 18 32 |

Пробег частоты от 0.1 Мгц до 10.0 Мгц 0.5 мин.

Станция Автоматическая
 (ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

fEs МГЦ декабрь 1969г.
(характеристика) (единицы) (месяц) (год)

Тбилисский Госуниверситет
(институт)

Станция Тбилиси

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Матулашвили

Долгота 44°48' E широта 41°43' N

поясное время 45° E

Кем подсчитана Матулашвили

| 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 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 2 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 3 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 4 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 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 | C | C | C |
| 7 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 8 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 9 | C | C | C | C | C | C | C | C | C | C | C | G | G | C | 34 | 29 | 20 | 15 | E13B | C | C | C | 17 | 20 |
| 10 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 11 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 12 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 13 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 14 | E16B | E14B | E13B | E12B | E11B | G | 14 | G | 24 | 31 | 33 | 32 | C | G | 27 | 29 | 13 | 13 | C | 12 | 15 | C | C | |
| 15 | E15B | E14B | C | C | C | C | C | C | C | C | G | G | C | C | G | C | 24 | 18 | 15 | C | C | C | C | C |
| 16 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 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 | C | C | C | C | C | C | C | C | C | G | 32 | G | 37 | 39 | 17 | 16 | 16 | 15 | E13B | 16 | 17 |
| 19 | C | C | C | C | C | C | C | C | 23 | G | 38 | C | C | C | 30 | C | C | C | 16 | E15B | E15B | E14B | C | C |
| 20 | E18B | C | C | C | C | C | E16B | 15 | 21 | 28 | G | 40 | 35 | G | C | G | C | E15B | 20 | 14 | 14 | 14 | E17B | 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 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 23 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 24 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 25 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 25 | 19 | 21 | E16B | E14B | 16 | 14 | E13B | C | C | 31 | 31 | G | G | C | C | C | C | C | C | C | C | 21 | E18C | E17C |
| 27 | E18B | C | C | C | C | C | C | C | C | C | G | G | 39 | 40 | 35 | G | 28 | C | C | 15 | C | 21 | 17 | 22 |
| 28 | C | C | 21 | 21 | 18 | E12B | E11B | C | G | 32 | C | C | G | G | G | 35 | 18 | C | C | C | C | C | C | C |
| 29 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 30 | C | C | C | C | C | C | 16 | 15 | 22 | 29 | G | 35 | 32 | C | C | C | C | E14B | 16 | 17 | A | 16 | 23 | C |
| 31 | E18B | C | E13B | E15B | E12B | C | C | C | G | G | G | G | G | G | C | C | C | C | C | C | C | C | C | C |
| Медана | E18B | E14B | 14 | E14B | 14 | E12B | E13B | 15 | 21 | 28 | G | G | G | G | G | 28 | 23 | 15 | 16 | 15 | 14 | 15 | 13 | 19 |
| Учено | 6 | 3 | 4 | 4 | 4 | 3 | 5 | 3 | 6 | 7 | 8 | 8 | 9 | 5 | 7 | 6 | 6 | 6 | 7 | 5 | 5 | 7 | 6 | 4 |

Пробег частоты от 0.1 Мгц до 10.0 Мгц 0.5 мин.

Станция Автоматическая
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

f_{min} 0.1 мгц декабрь 1969 год.
(характеристика) (единицы) (месяц) (год)

Тбилисский Государственный
(институт)

Станция Тбилиси

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Матулашвили

Долгота 44°48' E широта 41°43' N

поясное время 45° E

Кем подсчитана Матулашвили

| 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 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 2 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 3 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 4 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 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 | C | C | C |
| 7 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 8 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 9 | C | C | C | C | C | C | C | C | C | C | C | 18 | 20 | C | 20 | 17 | 14 | 13 | 13 | C | C | C | 15 | 15 |
| 10 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 11 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 12 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 13 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 14 | 16 | 14 | 13 | 12 | 10 | 11 | 11 | 13 | 15 | 16 | 16 | 17 | 18 | C | 17 | 15 | 12 | 13 | 13 | C | 12 | 15 | C | C |
| 15 | 15 | 14 | C | C | C | C | C | C | C | C | 18 | 17 | C | C | 21 | C | 17 | 12 | 14 | C | C | C | C | C |
| 16 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 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 | C | C | C | C | C | C | C | C | C | 20 | 16 | 21 | 17 | 13 | 11 | 14 | 15 | 12 | 13 | 14 | 14 |
| 19 | C | C | C | C | C | C | C | C | 12 | 13 | 14 | C | C | C | 14 | C | C | C | 13 | 15 | 15 | 14 | C | C |
| 20 | 18 | C | C | C | C | C | 16 | 10 | 12 | 13 | 15 | 15 | 17 | 18 | C | 15 | C | 15 | 10 | 14 | 14 | 11 | 17 | 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 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 23 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 24 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 25 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 26 | 13 | 15 | 16 | 14 | 12 | 13 | 13 | C E 80 | C | 16 | 21 | 21 | 20 | C | C | C | C | C | C | C | C | 18 | 18 | 17 |
| 27 | 18 | C | C | C | C | C | C | C | C | C | 18 | 19 | 22 | 21 | 21 | 20 | 17 | C | C | 15 | 10 | 10 | 12 | 14 |
| 28 | C | C | 17 | 17 | 16 | 12 | 11 | C | 18 | 19 | 21 | C | 25 | 24 | 26 | 21 | 14 | C | C | C | C | C | C | C |
| 29 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 30 | C | C | C | C | C | C | 12 | 11 | 15 | 16 | 21 | 21 | 22 | C | C | C | C | 14 | 14 | 15 | 14 | 15 | 15 | C |
| 31 | 18 | C | 13 | 15 | 12 | C | C | C | 15 | 15 | 18 | 19 | 20 | 22 | C | C | C | C | C | C | C | C | C | C |
| Медiana | 17 | 14 | 11 | 14 | 12 | 12 | 12 | 11 | 15 | 16 | 18 | 18 | 20 | 21 | 21 | 17 | 14 | 13 | 14 | 15 | 14 | 14 | 15 | 14 |
| Учено | 6 | 3 | 4 | 4 | 4 | 3 | 5 | 3 | 7 | 7 | 9 | 8 | 9 | 5 | 7 | 6 | 6 | 6 | 7 | 5 | 6 | 7 | 6 | 4 |

Пробег частоты от 0.1 Мгц до 10.0 Мгц 0.5 мин.

Станция Автоматическая
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

(M 3000)F₂ км декабрь 1969г.
(характеристика) (единицы) (месяц) (год)

Тбилисский Госуниверситет
(институт)

Станция Тбилиси

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Патулашвили Н.А.

Долгота 44° 48' E широта 41° 43' N

поясное время 45° E

Кем подсчитана Патулашвили Н.А.

| 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 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 2 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 3 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 4 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 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 | C | C | C |
| 7 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 8 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 9 | C | C | C | C | C | C | C | C | C | C | C | R 340 | C | C | 320H | 340 | 350 | 330 | 340 | C | C | C | 300 | 260 |
| 10 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 11 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 12 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 13 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 14 | S | S | S | S | S | 340V | S | S | S | S | 350 | 325 | 295 | C | 315 | 345 | 345 | 325 | 295 | C | 320 | 315 | C | C |
| 15 | 260 | 250 | C | C | C | C | C | C | C | C | 320 | 300 | C | C | 320 | C | 320 | 330 | 330 | C | C | C | C | C |
| 16 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 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 | C | C | C | C | C | C | C | C | C | 310 | C | 315 | 315 | C | C | 315 | 310 | 335 | 320 | 270 | 275 |
| 19 | C | C | C | C | C | C | C | C | 340 | C | 320 | C | C | C | C | C | C | C | 300 | 325 | 330 | 300 | C | C |
| 20 | 295 | C | C | C | C | C | 300 | 320 | 340 | 325 | C | C | C | 340 | C | 330 | C | 310 | 340 | 300 | 340 | 310 | 300 | 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 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 23 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 24 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 25 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 26 | 265 | 285 | 295 | 295 | 290 | 285 | 290 | C | 330 | C | C | 300 | 305 | C | C | C | C | C | C | C | C | C | C | C |
| 27 | 315 | C | C | C | C | C | C | C | C | C | 330 | 330 | 320 | 300 | 300 | 310 | 325 | C | C | A | A | 300 | 300 | 280 |
| 28 | C | C | 310 | C | 300 | 300 | S | C | R | 295 | C | C | 310 | 315 | C | 340 | C | C | C | C | C | C | C | C |
| 29 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 30 | C | C | C | C | C | C | 300 | 310 | 325 | 290 | 330 | 330 | 320 | C | C | C | C | 320 | 320 | 340 | A | 300 | 285 | C |
| 31 | 300 | C | 300 | 280 | 340 | C | C | C | 330 | 340 | 345 | 340 | 320 | 320 | C | C | C | C | C | C | C | C | C | C |
| Медiana | 50 | 15 | 15 | 5 | 50 | 55 | 10 | 5 | 10 | 40 | 15 | 30 | 10 | 20 | 10 | 35 | 20 | 15 | 40 | 25 | 15 | 15 | 20 | 20 |
| Учено | 295 | 270 | 300 | 290 | 300 | 300 | 300 | 315 | 330 | 310 | 330 | 330 | 315 | 220 | 315 | 335 | 340 | 325 | 320 | 320 | 330 | 305 | 300 | 275 |
| | 5 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 5 | 4 | 6 | 6 | 8 | 4 | 5 | 6 | 4 | 5 | 7 | 4 | 4 | 6 | 5 | 3 |
| | 260/310 | 270/285 | 295/310 | 290/295 | 290/340 | 285/340 | 290/300 | 315/320 | 330/340 | 290/330 | 330/345 | 300/330 | 310/320 | 310/330 | 310/320 | 315/340 | 330/350 | 315/330 | 300/340 | 305/330 | 325/40 | 300/315 | 280/300 | 260/280 |

Пробег частоты от 0.1 Мгц до 10.0 Мгц 0.5 мин.

Станция Автоматическая
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

(M3000) F1 км декабрь 1969 г.
(характеристика) (единицы) (месяц) (год)

Тбилисский Государственный Университет
(институт)

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Матулашвили

Станция Тбилиси

Долгота 44°48' E широта 41°43' N

поясное время 45° E

Кем подсчитана Матулашвили

| 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 | | | | | | | o | c | c | c | c | c | c | c | c | c | c | c | | | | | | |
| 2 | | | | | | | o | c | c | c | c | c | c | c | c | c | c | c | | | | | | |
| 3 | | | | | | | o | c | c | c | c | c | c | c | c | c | c | c | | | | | | |
| 4 | | | | | | | o | c | c | c | c | c | c | c | c | c | c | c | | | | | | |
| 5 | | | | | | | o | c | c | c | c | c | c | c | c | c | c | c | | | | | | |
| 6 | | | | | | | o | c | c | c | c | c | c | c | c | c | c | c | | | | | | |
| 7 | | | | | | | o | c | c | c | c | c | c | c | c | c | c | c | | | | | | |
| 8 | | | | | | | o | c | c | c | c | c | c | c | c | c | c | c | | | | | | |
| 9 | | | | | | | o | c | c | c | c | c | c | c | c | c | c | c | | | | | | |
| 10 | | | | | | | o | c | c | c | c | c | c | c | c | c | c | c | | | | | | |
| 11 | | | | | | | o | c | c | c | c | c | c | c | c | c | c | c | | | | | | |
| 12 | | | | | | | o | c | c | c | c | c | c | c | c | c | c | c | | | | | | |
| 13 | | | | | | | o | c | c | c | c | c | c | c | c | c | c | c | | | | | | |
| 14 | | | | | | | o | c | c | c | c | h | h | | h | | | | | | | | | |
| 15 | | | | | | | o | c | c | c | c | h | c | | c | | | | | | | | | |
| 16 | | | | | | | o | c | c | c | c | c | c | c | c | c | c | c | | | | | | |
| 17 | | | | | | | o | c | c | c | c | c | c | c | c | c | c | c | | | | | | |
| 18 | | | | | | | o | c | c | c | c | c | h | | | | | | | | | | | |
| 19 | | | | | | | o | c | c | c | c | c | c | c | c | c | c | c | | | | | | |
| 20 | | | | | | | o | c | c | c | c | c | c | c | c | c | c | c | | | | | | |
| 21 | | | | | | | o | c | c | c | c | c | c | c | c | c | c | c | | | | | | |
| 22 | | | | | | | o | c | c | c | c | c | c | c | c | c | c | c | | | | | | |
| 23 | | | | | | | o | c | c | c | c | c | c | c | c | c | c | c | | | | | | |
| 24 | | | | | | | o | c | c | c | c | c | c | c | c | c | c | c | | | | | | |
| 25 | | | | | | | o | c | c | c | c | c | c | c | c | c | c | c | | | | | | |
| 26 | | | | | | | o | c | c | c | c | h | h | c | c | c | c | c | | | | | | |
| 27 | | | | | | | o | c | c | c | c | c | c | c | c | c | c | c | | | | | | |
| 28 | | | | | | | o | c | c | c | c | c | c | c | c | c | c | c | | | | | | |
| 29 | | | | | | | o | c | c | c | c | c | c | c | c | c | c | c | | | | | | |
| 30 | | | | | | | o | c | c | c | c | h | h | c | c | c | c | c | | | | | | |
| 31 | | | | | | | o | c | c | c | c | c | c | c | c | c | c | c | | | | | | |
| Медiana | | | | | | | | | | | | | | | | | | | | | | | | |
| Учено | | | | | | | | | | | | | | | | | | | | | | | | |

Пробег частоты от 0.1 Мгц до 10.0 Мгц 0.5 мин.

Станция Автоматическая
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

В'Ф КМ декабрь 1969 г.
 (характеристика) (единицы) (месяц) (год)

Тбилисский Госуниверситет
 (институт)

Станция Тбилиси

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Матулашвили Н.А.

Долгота 44° 48' N широта 41° 43' N

поясное время 45° E

Кем подсчитана Матулашвили Н.А.

| 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 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 2 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 3 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 4 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 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 | C | C | C |
| 7 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 8 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 9 | C | C | C | C | C | C | C | C | C | C | C | 230 | 250 | I 240C | 230 | 240 | 220 | 230 | 230 | C | C | C | 280 | 340 |
| 10 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 11 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 12 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 13 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 14 | 300 | 270 | 265 | 280 | 240 | 210 | 250 | 215 | 200 | 210 | 215 | 220 | 205 | C | 240 | 240 | 215 | 200 | 265 | C | 235 | 225 | C | C |
| 15 | 320 | 300 | C | C | C | C | C | C | C | C | 220 | 215 | C | 230 | C | 225 | 205 | 225 | C | C | C | C | C | C |
| 16 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 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 | C | C | C | C | C | C | C | C | C | 200 | 200 | 240 | 225 | 220 | 205 | 240 | 250 | 220 | 225 | 325 | 315 |
| 19 | C | C | C | C | C | C | C | C | 215 | 225 | 225 | C | C | C | 225 | C | C | C | 250 | 240 | 215 | 240 | C | C |
| 20 | 270 | C | C | C | C | C | 260 | 210 | 210 | 200 | 230 | 250 | 230 | 230 | I 225C | 225 | I 215C | 210 | 220 | 230 | 210 | 240 | 300 | C |
| 21 | 305 | 290 | 260 | 245 | 260 | 250 | 240 | I 240C | 240 | 220 | 220 | 210 | 210 | C | C | C | C | C | C | C | C | E 330C | E 310C | E 300C |
| 22 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 23 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 24 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 25 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 26 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 27 | 280 | C | C | C | C | C | C | C | C | C | 230 | 220 | 230 | 230 | 230 | 290 | 210 | C | C | A | A E 310A | 290 | 320 | |
| 28 | C | C | 295 | 290 | 280 | 240 | 225 | C | 230 | 220 | 225 | C | 230 | 230 | 240 | 215 | 215 | C | C | C | C | C | C | C |
| 29 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 30 | C | C | C | C | C | C | 260 | 220 | 210 | 205 | 225 | 220 | 205 | I 210C | C | C | C | 215 | 210 | 215 | A | 290 | 305 | C |
| 31 | 300 | C | 290 | 280 | 270 | C | C | C | 210 | 230 | 220 | 220 | 210 | 2 | C | C | C | C | C | C | C | C | C | C |
| Медiana | 25 | 30 | 30 | 30 | 25 | 40 | 30 | 20 | 20 | 20 | 10 | 5 | 25 | 15 | 15 | 20 | 10 | 20 | 30 | 25 | 20 | 75 | 20 | |
| Учено | 300 | 230 | 280 | 280 | 265 | 240 | 250 | 220 | 210 | 220 | 225 | 220 | 210 | 220 | 230 | 225 | 215 | 210 | 235 | 235 | 220 | 240 | 300 | |
| | 6 | 3 | 4 | 4 | 4 | 3 | 5 | 4 | 7 | 7 | 9 | 8 | 9 | 8 | 7 | 7 | 7 | 6 | 6 | 4 | 4 | 7 | 6 | |
| | 280/305 | 270/300 | 260/290 | 260/290 | 250/275 | 210/250 | 230/260 | 210/230 | 210/230 | 205/225 | 220/230 | 220/225 | 205/230 | 215/230 | 225/240 | 220/240 | 210/220 | 205/225 | 220/250 | 220/245 | 210/230 | 225/310 | 290/310 | 310/330 |

Пробег частоты от 0.1 Мгц до 10.0 Мгц 0.5 мин.

Станция Автоматическая
 (ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

R'F2 (характеристика) (единицы) (месяц) (год) декабрь 1969г.

Тбилисский Государственный Университет
(институт)

Станция Тбилиси

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Матулашвили Н.А.

Долгота 44° 48' E широта 41° 43' N

поясное время 45° E

Кем подсчитана Матулашвили Н.А.

| 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 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 2 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 3 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 4 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 5 | | | | | | | 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 | | | | | | |
| 7 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 8 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 9 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 10 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 11 | | | | | | | C | C | C | C | C | 260 | 235 | C | 260 | C | C | C | | | | | | |
| 12 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 13 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 14 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 15 | | | | | | | C | C | C | C | C | 270 | C | C | C | C | C | C | | | | | | |
| 16 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 17 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 18 | | | | | | | C | C | C | C | C | C | 300 | C | C | C | C | C | | | | | | |
| 19 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 20 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 21 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 22 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 23 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 24 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 25 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 26 | | | | | | | C | C | C | C | C | 240 | 235 | C | C | C | C | C | | | | | | |
| 27 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 28 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 29 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| 30 | | | | | | | C | C | C | C | C | 225 | 230 | C | C | C | C | C | | | | | | |
| 31 | | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | |
| Медiana | | | | | | | | | | | | 250 | 235 | | 260 | | | | | | | | | |
| Учено | | | | | | | | | | | | 4 | 4 | | 1 | | | | | | | | | |

Пробег частоты от 0.1 Мгц до 10.0 Мгц 0.5 мин.

Станция Автоматическая
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

Р'Е КМ декабрь 1969 г.
(характеристика) (единицы) (месяц) (год)

Тбилисский Государственный Университет
(институт)

Станция Тбилиси

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Шатулашвили

Долгота 44° 48' E широта 41° 43' N

поясное время 45° E

Кем подсчитана Шатулашвили

| 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 | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | | |
| 2 | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | | |
| 3 | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | | |
| 4 | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | | |
| 5 | | | | | | 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 | | | | | | | |
| 7 | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | | |
| 8 | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | | |
| 9 | | | | | | C | C | C | C | C | C | 130 | 120H | 1125C | 130 | 135 | 130 | | | | | | | |
| 10 | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | | |
| 11 | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | | |
| 12 | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | | |
| 13 | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | | |
| 14 | | | | | | E | A | 130H | 190A | 110H | 120 | 120 | C | 110H | 110 | A | E | | | | | | | |
| 15 | | | | | | C | C | C | C | C | 120 | 110H | C | C | 120H | C | A | | | | | | | |
| 16 | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | | |
| 17 | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | | |
| 18 | | | | | | C | C | C | C | C | C | C | 110 | 110 | 115 | 115 | E120B | | | | | | | |
| 19 | | | | | | C | C | C | 155 | 110 | A | C | C | C | 110 | C | C | | | | | | | |
| 20 | | | | | | C | C | A | A | A | 105 | | 110 | 115 | J115C | 115 | C | | | | | | | |
| 21 | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | | |
| 22 | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | | |
| 23 | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | | |
| 24 | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | | |
| 25 | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | | |
| 26 | | | | | | C | C | C | C | 260 | 290 | 310 | 315 | C | C | C | C | | | | | | | |
| 27 | | | | | | C | C | C | C | C | 300 | 305 | A | A | A | 280 | C | | | | | | | |
| 28 | | | | | | C | C | C | 195H | C | C | C | 120 | 110 | 120 | A | A | | | | | | | |
| 29 | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | | | | | | | |
| 30 | | | | | | C | C | C | 110 | 135 | 120 | A | A | C | C | C | C | | | | | | | |
| 31 | | | | | | C | C | C | 190H | 260 | 295 | 305 | 315 | 320 | C | C | C | | | | | | | |
| Медiana | | | | | | E | | 130 | 190 | 135 | 120 | 110 | 120 | 110 | 120 | 125 | 130 | | | | | | | |
| Учено | | | | | | 1 | | 1 | 5 | 5 | 7 | 7 | 6 | 6 | 7 | 4 | 3 | | | | | | | |

Пробег частоты от 0.1 Мгц до 10.0 Мгц 0.5 мин.

Станция Автоматическая
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

B'Es км декабрь 1969 г.
(характеристика) (единицы) (месяц) (год)

Тбилисский Государственный Университет
(институт)

Станция Тбилиси

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Патулашвили Н.А.

Долгота 44° 48' E широта 41° 43' N

поясное время 45° E

Кем подсчитана Патулашвили Н.А.

| 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 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | |
| 2 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | |
| 3 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | |
| 4 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | |
| 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 | C | C | C | |
| 7 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | |
| 8 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | |
| 9 | C | C | C | C | C | C | C | C | C | C | C | 160 | 150 | C | 150 | 140 | 135 | 130 | B | C | C | C | 185 | 110 | |
| 10 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | |
| 11 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | |
| 12 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | |
| 13 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | |
| 14 | B | B | B | B | E | B | G | 100 | G | 110 | 190 | 160 | 155 | C | G | 110 | 105 | B | B | C | B | B | C | C | |
| 15 | B | B | C | C | C | C | C | C | C | C | G | G | C | C | G | C | 115 | 105 | 110 | C | C | C | C | C | |
| 16 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | |
| 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 | C | C | C | C | C | C | C | C | C | C | G | 125 | G | 125 | 115 | 110 | 115 | 115 | 110 | R | 110 | 110 |
| 19 | C | C | C | C | C | C | C | C | C | 170 | G | 110 | C | C | 130 | C | C | C | 110 | B | B | B | C | C | |
| 20 | B | C | C | C | C | C | B | 110 | 110 | 105 | G | 100 | 140 | G | C | 120 | C | B | 110 | 110 | 100 | B | 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 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | |
| 23 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | |
| 24 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | |
| 25 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | |
| 26 | 110 | 110 | B | B | 110 | 110 | B | C | C | 180 | 150 | G | G | C | C | C | C | C | C | C | C | C | 110 | C | C |
| 27 | B | C | C | C | C | C | C | C | C | C | 120 | G | 170 | 120 | 120 | G | 110 | C | C | 105 | 105 | 105 | 105 | 100 | |
| 28 | C | C | 100 | 100 | 160 | B | B | C | G | 110 | C | C | G | G | G | 110 | 110 | C | C | C | C | C | C | C | |
| 29 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | |
| 30 | C | C | C | C | C | C | 110 | 110 | 110 | 150 | G | 110 | 110 | C | C | C | C | B | 110 | 110 | 110 | 110 | 110 | C | |
| 31 | B | C | B | B | B | C | C | C | G | G | G | G | G | C | C | C | C | C | C | C | C | C | C | C | |
| Медиана | 110 | 110 | 100 | 100 | 135 | 110 | 110 | 110 | 140 | 110 | 135 | 135 | 150 | 120 | 130 | 120 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | |
| Учено | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 3 | 3 | 5 | 4 | 4 | 5 | 2 | 3 | 5 | 6 | 3 | 5 | 4 | 4 | 3 | 4 | 3 | |

Пробег частоты от 0.1 Мгц до 10.0 Мгц 0.5 мин.

Станция Автоматическая
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

Тбилисский Государственный Университет
(институт)

№ км декабрь 1969 год.
(характеристика) (единицы) (месяц) (год)

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Матулашвили Н.А.

Станция Тбилиси

Кем подсчитана Матулашвили Н.А.

Долгота 44° 48' E широта 41° 43' N

поясное время 45° E

| 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 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 2 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 3 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 4 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 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 | C | C | C |
| 7 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 8 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 9 | C | C | C | C | C | C | C | C | C | C | C | R | 260 | C | 260 | 290 | 240 | 300 | 270 | C | C | C | 330 | 400 |
| 10 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 11 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 12 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 13 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 14 | S | S | S | S | S | 290V | S | S | S | S | 230 | 280 | 300 | C | 290 | 275 | 240 | 295 | 330 | C | 300 | 280 | C | C |
| 15 | 370 | 330 | C | C | C | C | C | C | C | C | 260 | 295 | C | C | 270 | C | 270 | 260 | 260 | C | C | C | C | C |
| 16 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 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 | C | C | C | C | C | C | C | C | C | 310 | 300 | 290 | 285 | R | 275V | 300 | 300 | 260 | 300 | 400 | 380 |
| 19 | C | C | C | C | C | C | C | C | 250 | 250 | 270 | C | C | C | 280 | C | C | C | 320 | 280 | 260 | 320 | C | C |
| 20 | 310 | C | C | C | C | C | 330 | 300 | 220 | 300 | U250S | C | S | 270 | C | 260 | C | 300 | 300 | 300 | 260 | 300 | 350 | 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 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 23 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 24 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 25 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 26 | 400 | 340 | 310 | 315 | 320 | 325 | 315 | C | 280 | 300 | 270 | 275 | 280 | C | C | C | C | C | C | C | C | C | C | V |
| 27 | 300 | C | C | C | C | C | C | C | C | C | 280 | 280 | 280 | 310 | 300 | 280 | 270 | C | C | A | A | 350 | 330 | 370 |
| 28 | C | C | 305 | U300C | 300 | 270 | U250S | C | R | 290 | C | C | 280 | 260 | C | 250 | C | C | C | C | C | C | C | C |
| 29 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 30 | C | C | C | C | C | C | 300 | 300 | 240 | 300 | 280 | 270 | 270 | C | C | C | C | 285 | 300 | 270 | A | 340 | 340 | C |
| 31 | 350 | C | 350 | 370 | 280 | C | C | C | 260 | 260 | 250 | 260 | 300 | 290 | C | C | C | C | C | C | C | C | C | C |
| Медiana | 350 | 335 | 310 | 315 | 300 | 290 | 305 | 300 | 250 | 295 | 270 | 280 | 280 | 290 | 280 | 280 | 255 | 290 | 300 | 290 | 260 | 310 | 340 | 380 |
| Учено | 5 | 2 | 3 | 3 | 3 | 3 | 4 | 2 | 5 | 6 | 8 | 6 | 8 | 5 | 6 | 6 | 4 | 6 | 7 | 4 | 4 | 6 | 5 | 3 |

Пробег частоты от 0.1 Мгц до 10.0 Мгц 0.5 мин.

Станция Автоматическая
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

Тип Es декабрь 1969 год.
(характеристика) (единицы) (месяц) (год)

Тбилисский Государственный Университет
(институт)

Станция Тбилиси

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Матулашвили Н.А.

Долгота 44° 48' E широта 41° 43' N

поясное время 45° E

Кем подсчитана Матулашвили Н.А.

| 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 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 2 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 3 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 4 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 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 | C | C | C |
| 7 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 8 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 9 | C | C | C | C | C | C | C | C | C | C | C | R1 | R1 | C | R1 | R1 | C1 | E1 | | C | C | C | F2 | F2 |
| 10 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 11 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 12 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 13 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 14 | C | C | C | C | C | C | C | E1 | | E1 | R1 | C1 | C1 | C | | C2 | E2 | | | C | | | C | C |
| 15 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | E1 | E1 | F1 | | C | C | C | C |
| 16 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 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 | C | C | C | C | C | C | C | C | C | C | C1 | | C1 | C1 | F1 | F1 | F1 | F2 | | F1 | F2 |
| 19 | C | C | C | C | C | C | C | C | E1C1 | | E1 | C | C | C | R1 | C | C | C | F2 | | | | C | C |
| 20 | C | C | C | C | C | C | C | E1 | E2 | E2 | | E2 | R1 | | C | C1 | C | | F2 | F2 | F3 | | | 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 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 23 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 24 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 25 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 26 | F2 | F1 | | | F1 | F1 | | C | C | R1 | R1 | | | C | C | C | C | C | C | C | C | F1 | C | C |
| 27 | C | C | C | C | C | C | C | C | C | C | C1 | | C2 | C2 | C1 | | E1 | C | C | F2 | F3 | F3 | F2 | F2 |
| 28 | C | C | F3 | F2 | F1 | | | C | | E1 | C | C | | | | E1 | E1 | | | | | | | |
| 29 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |
| 30 | C | C | C | C | C | C | F1 | F1 | C1 | E1C1 | | E1 | E1 | C | C | C | C | | F1 | F2 | F2 | F1 | F2 | C |
| 31 | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Медана | | | | | | | | | | | | | | | | | | | | | | | | |
| Учено | | | | | | | | | | | | | | | | | | | | | | | | |

Пробег частоты от 0.1 Мгц до 10.0 Мгц 0.5 мин.

Станция Автоматическая
(ручная, автоматическая)