

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

SoF2 о.1 Мгц. Июнь 1967г.
(характеристика) (единицы) (месяц) (год)

Тбилисский Государственный университет
(институт)

Станция Тбилиси

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Канде лаки

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 | u 76R | u 73R | c u 78R | u 77R | 74 | c | 84 | u 84R | 89 | 93 | u 91R | c | 93 | u 93c | c | c | u 94c | 90 | 89 | R | R | 90 | 88 | |
| 2 | 73 | 64 | 63 | 62 | 62 | 65 | 83 | 92 | A | c | c | I 95c | I 94c | u 94c | 93 | 98 | 95 | 91 | I 90A | I 93c | 93 | 83 | c | c |
| 3 | u 74R | 68 | u 69R | 67 | 77 | I 83R | 85 | 85 | u 89R | I 91c | 93 | 92 | 96 | I 93c | 87 | 88 | 78 | 79 | 83 | u 92c | I 88c | I 82c | I 75R | I 66R |
| 4 | 65 | 69 | 69 | 64 | 60 | I 60c | 62H | 68 | 70 | I 69S | 78 | 72H | 73 | 78 | 74 | 72 | 75 | 71 | I 71S | 87 | 88 | S | S | S |
| 5 | u 78R | u 71R | 69 | 61 | 59 | 63 | 62 | 62 | 61 | 60 | c | I 70c | I 67c | 72 | I 66c | 68 | I 73c | 69 | 80 | 75 | c | c | 62 | 62 |
| 6 | 58 | 54 | 54 | u 48F | 45 | u 53R | A | u 50F | A | A | A | A | A | u 83R | R | R | u 58R | 55 | 60 | u 65R | R | R | R | R |
| 7 | c | I 63R | 58 | 61 | 51 | 49 | 58 | c | 82 | 90 | I 91c | 88 | I 91A | I 92c | 90 | 74 | 74 | u 65R | I 60A | I 61R | 71 | I 64R | u 64R | 60 |
| 8 | R | I 57F | 56 | I 54A | 53 | 59 | R | R | I 73R | I 80S | A | 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 | c | 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 | 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 | c | c | c | c | c | c | c | A | A | 77 | u 74R | 79 | u 84R | 84 | R | u 64R | c |
| 15 | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c |
| 16 | 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 | R | A | A | A | A | A | u 70R | u 64R | c | c | u 72R | R | R |
| 18 | c | c | c | c | c | c | 52 | 62 | c | c | c | c | c | u 62c | u 65R | 69 | 65 | 69 | I 71c | 72 | 76 | 62 | 62 | 62 |
| 19 | c | 52 | u 50R | 49F | I 47A | 50 | u 64R | u 74R | u 76R | 86 | u 86R | u 82R | u 81R | 70 | I 70A | R | R | 70 | c | c | c | c | c | c |
| 20 | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c |
| 21 | 60 | 65 | 60 | 56 | 53 | 58 | 72 | 74 | 77 | 73 | c | c | c | c | c | c | I 70A | 69 | 65 | 80 | 93 | I 85A | I 75c | I 60c |
| 22 | 62 | F | 62 | 60 | 57 | 63 | 72 | 72 | I 74A | I 78A | 82 | 90 | 84 | 82 | 82 | 73 | 70 | 64 | 70 | I 72A | 84 | I 86S | 93 | 84 |
| 23 | u 64R | u 62R | I 61R | u 62R | 60 | 64 | I 64R | R | u 82R | 84 | 84 | 86 | 87 | 90 | 86 | u 84R | 84 | 80 | 84 | 84 | u 83R | R | R | A |
| 24 | c | S | I 63A | 63 | I 64R | I 68R | R | c | c | c | R | 97 | 90 | 89 | 88 | 90 | I 82S | 82 | 80 | I 81R | R | R | A | R |
| 25 | c | I 65c | 66 | 62 | 61 | 71 | u 80c | 84 | 83 | 77 | I 84c | 86 | 87 | 98 | I 98c | 94 | 90 | 85 | 78 | I 71A | u 75c | c | c | I 70c |
| 26 | c | 59 | 59 | 59 | 52 | 46 | 56 | 54H | I 61A | 74 | 59 | I 73c | 83 | 90 | 89 | 75 | 76 | 69 | 69 | 74 | I 78c | I 81c | u 82R | c |
| 27 | u 62R | R | 59 | 59 | 54 | 54 | 59 | 50H | A | A | 90 | c | c | c | c | c | 80 | 75 | 78 | 69 | I 66A | I 64R | I 59R | I 59R |
| 28 | 64 | 68 | I 65c | 64 | u 51F | 48 | 58 | 62 | 61 | u 63S | A | c | A | A | c | A | A | A | 68 | I 65c | u 65c | 66 | c | c |
| 29 | c | c | c | 54 | 48 | 42 | 40 | 62 | u 65R | 60 | u 60R | u 62R | c | 70 | u 67R | u 61R | u 58R | 60 | 57 | 58 | u 62R | u 69R | R | R |
| 30 | u 60R | 61 | 58 | 58 | 54 | 60 | c | R | R | 70V | c | c | c | c | 89 | I 75c | u 69R | I 69R | I 63R | 61 | u 73R | u 76R | R | u 73R |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | |
| Медiana | 12 | 9 | 8 | 6 | 10 | 15 | 4 | 22 | 18 | 15 | 13 | 18 | 10 | 21 | 20 | 19 | 11 | 11 | 15 | 19 | 17 | 18 | 20 | 13 |
| Учено | 64 | 64 | 62 | 61 | 54 | 60 | 62 | 68 | 75 | 76 | 84 | 86 | 87 | 89 | 87 | 75 | 75 | 70 | 71 | 74 | 78 | 76 | 70 | 64 |
| | 12 | 15 | 17 | 19 | 19 | 19 | 15 | 15 | 14 | 15 | 11 | 13 | 11 | 15 | 15 | 13 | 17 | 20 | 20 | 19 | 15 | 12 | 10 | 10 |
| | 61/73 | 59/68 | 59/67 | 56/62 | 51/61 | 50/65 | 59/72 | 62/84 | 64/82 | 70/85 | 78/91 | 73/91 | 81/91 | 72/93 | 70/90 | 70/89 | 70/81 | 69/80 | 65/80 | 65/84 | 71/88 | 65/83 | 62/82 | 60/73 |

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

fo F1 0.1 M30. Июнь 1967г.
(характеристика) (единицы) (месяц) (год)

Тбилисский Государственный Университет
(институт)

Станция Тбилиси

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Кандеяки

Долгота 44° 48' E широта 41° 43' N

поясное время 450E

Кем подсчитана Домашвили

| Дни | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---------|----|----|----|----|----|----|----|------|------|------|------|------|----|------|------|------|------|------|----|----|----|----|----|----|
| 1 | | | | | | | | | L | | | L | c | A | L | L | u52R | A | | A | | | | |
| 2 | | | | | | | | L | A | c | A | c | c | L | L | A | A | A | A | | | | | |
| 3 | | | | | | | L | L | L | c | c | c | c | c | L | | | L | | | | | | |
| 4 | | | | | | | c | u40L | 45 | 44 | 48 | 50H | 53 | 52 | 50 | 50 | 50 | L | L | | | | | |
| 5 | | | | | | L | L | u43L | 45 | L | u50L | c | c | 50 | c | 48 | L | L | L | | | | | |
| 6 | | | | | | | | | | | | | | | A | u48R | 49 | L | | L | | | | |
| 7 | | | | | | | L | 41 | A | A | c | A | A | c | u50L | L | L | L | A | A | | | | |
| 8 | | | | | | | L | L | A | A | A | c | c | c | c | c | c | c | c | c | | | | |
| 9 | | | | | | c | c | c | 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 | c | c | c | | | | |
| 11 | | | | | | 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 | | | | |
| 13 | | | | | | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | | | | |
| 14 | | | | | | c | c | c | c | c | c | c | c | c | A | A | L | L | A | | | | | |
| 15 | | | | | | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | | | | |
| 16 | | | | | | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | | | | |
| 17 | | | | | | c | c | c | c | c | L | A | A | A | A | A | A | A | | | | | | |
| 18 | | | | | | | | u45L | c | c | c | c | A | 49 | A | A | 48 | u41L | c | L | | | | |
| 19 | | | | | | | L | A | u51R | L | A | A | A | A | A | u49R | 48 | L | c | c | | | | |
| 20 | | | | | | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | | | | |
| 21 | | | | | | | | L | L | A | A | c | c | c | c | c | A | A | L | | | | | |
| 22 | | | | | | | | L | A | A | A | A | 50 | A | A | 50 | A | L | | A | | | | |
| 23 | | | | | | | L | 46 | | 49 | 51 | u52R | A | u51R | L | u50R | A | A | A | | | | | |
| 24 | | | | | | | L | c | c | c | L | A | L | 52 | A | A | L | A | | | | | | |
| 25 | | | | | | | L | L | A | A | c | L | A | 49 | c | A | 48 | 45 | L | | | | | |
| 26 | | | | | | | | | u49L | u49L | 49 | 52 | 52 | 50 | L | L | L | L | | | | | | |
| 27 | | | | | | | L | L | A | A | 48 | c | c | c | c | L | L | L | | | | | | |
| 28 | | | | | | 40 | 42 | A | A | A | A | A | A | A | A | A | A | A | A | | | | | |
| 29 | | | | | | | | A | A | A | u49R | A | c | u50R | A | R | u48R | 43 | L | | | | | |
| 30 | | | | | | L | c | | | | c | c | c | c | A | c | | L | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | |
| Медиана | | | | | | | 40 | 44 | 47 | 49 | 50 | 51 | 51 | 50 | 50 | 50 | 48 | 43 | | | | | | |
| Учтено | | | | | | | 2 | 6 | 3 | 3 | 6 | 3 | 3 | 8 | 4 | 6 | 5 | 3 | | | | | | |

Пробег частоты от 1.0 Мгц до 10.0 Мгц 0.5 мин.

Станция автоматическая
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

foE 0.01 Мгц. Июнь 1962г.
(характеристика) (единицы) (месяц) (год)

Тбилисский Государственный Университет
(институт)

Станция Тбилиси

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Кадемаки

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 | | | | | | 140 | u 240R | 295 | 310 | 350 | u 410R | u 360R | c | c | c | c | c | u 340R | 300 | 270 | 200 | | | | |
| 2 | | | | | | | 245 | 305 | 320 | 340 | A | c | c | 360 | 365 | 365 | 350 | 305 | A | E | | | | | |
| 3 | | | | | | 200 | I 270R | 320 | I 355R | c | c | c | c | c | c | 340 | 320 | 260 | 230H | 170 | c | c | | | |
| 4 | | | | | 110 | I 180c | 250 | 290H | I 315A | 350 | 375 | 380 | 380 | 380 | 380 | 350 | 315 | 270 | 230 | 150 | | | | | |
| 5 | | | | | | 200H | 230 | 285 | 310 | 330 | R | I 355c | c | R | I 355c | 340 | 320 | u 295A | 235 | E | | | | | |
| 6 | | | | | A | 160 | 230 | 280 | 300 | u 310R | u 320R | A | u 320R | u 330R | u 370R | 330 | u 260R | A | A | A | | | | | |
| 7 | | | | | E | 200H | 250 | 300 | 305 | 330 | I 350c | A | A | c | A | 340 | 300H | 290 | A | A | | | | | |
| 8 | | | | | | | R | R | 305 | I 320R | 335 | c | c | c | c | c | c | c | c | c | | | | | |
| 9 | | | | | c | c | c | c | c | c | c | c | 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 | 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 | |
| 12 | | | | | 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 | |
| 14 | | | | | c | c | c | c | c | c | c | c | c | c | c | R | R | u 290R | R | 240 | 150 | | | | |
| 15 | | | | | c | c | c | c | c | c | c | c | c | c | c | c | c | 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 | |
| 17 | | | | | c | c | c | c | c | c | R | u 310R | 350 | u 330R | 340 | u 310A | u 285A | u 280A | 250 | c | c | c | c | c | |
| 18 | | | | | c | c | A | 290 | c | c | c | c | I 380A | 400 | 390 | 350 | 330 | 300 | I 265c | 200 | E | | | | |
| 19 | | | | | | | 280 | 300 | A | A | A | A | A | A | 370 | u 350R | R | u 300R | c | c | c | c | c | c | |
| 20 | | | | | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | |
| 21 | | | | | | 180 | 245 | 300 | 330 | 350 | 360 | c | c | c | c | c | 325 | u 300A | u 255A | | | | | | |
| 22 | | | | | | 210 | 240 | 290 | 320 | 340 | 355 | 355 | A | A | A | A | A | A | 270 | 180 | | | | | |
| 23 | | | | | E | 200 | u 250R | 295 | 315 | 330 | u 340R | R | u 350R | R | u 360R | c | 330 | 300 | 250 | u 170A | E | | | | |
| 24 | | | | | | A | 255 | c | c | c | u 350A | A | 350 | A | A | A | A | 300 | 260 | A | | | | | |
| 25 | | | | | | | 260 | 295 | 320 | 345 | I 355c | 360 | 365 | 360 | c | A | A | A | A | | | | | | |
| 26 | | | | | E | I 190A | I 235A | 300 | I 330A | 330 | I 345R | 380 | 390 | 350 | 340 | 290 | I 250A | A | A | 180 | | | | | |
| 27 | | | | | | R | 230 | 290 | 310 | 320 | 335 | c | c | c | c | c | R | 270 | 220 | A | | | | | |
| 28 | | | | | | 200 | I 240A | I 295A | u 315A | u 335A | u 355A | u 370A | u 370A | u 370A | 355 | A | A | A | A | E | | | | | |
| 29 | | | | | | E | 230 | 300 | 310 | 350 | 380 | u 380R | c | u 350R | u 330R | u 315R | u 300R | u 260R | I 185A | 170H | 140 | | | | |
| 30 | | | | | | c | I 230c | 295 | I 310R | 370 | c | c | c | c | I 330R | I 320c | u 310R | 290 | 230 | 180 | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Медiana | | | | | E | 25 | 20 | 10 | 10 | 20 | 20 | 25 | 30 | 35 | 30 | 30 | 35 | 30 | 30 | 30 | | | | | |
| Учтено | | | | | 4 | 12 | 18 | 18 | 17 | 16 | 14 | 9 | 9 | 9 | 12 | 12 | 14 | 15 | 14 | 13 | 4 | | | | |
| | | | | | | 170/200 | 230/250 | 290/300 | 310/320 | 330/350 | 340/360 | 355/380 | 350/380 | 340/375 | 340/370 | 320/350 | 290/325 | 270/300 | 225/255 | 150/180 | | | | | |

Пробег частоты от 1.0 Мгц до 10.0 Мгц 0.5 мин.

Станция автоматическая (ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

foEs 0-1 M30 Июнь 1967г.
(характеристика) (единицы) (месяц) (год)

Тбилисский Государственный университет
(институт)

Станция Тбилиси

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Канделакс

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 | 21 | 44 | 39 | 40 | 45 | G | G | 34 | 35 | 58 | 84 | y | c | 50 | c | c | c | 47 | 50 | 50 | y | 37 | 58 | 51 |
| 2 | J 37 X | J 22 X | E | E | J 50 X | J 32 X | J 50 X | 40 | J 52 X | 47 | 47 | c | c | G | 46 | 53 | J 78 X | J 105 X | J 153 X | J 37 X | E 15 B | J 35 X | J 30 X | 18 |
| 3 | J 38 X | 37 | J 25 X | J 27 X | 28 | G | G | J 41 X | J 36 X | c | c | 71 | J 59 X | c | 49 | 58 | 46 | 36 | 49 | 55 | c | c | E 12 B | E 12 B |
| 4 | E 13 B | 20 | E | 13 | G | c | 31 | 38 | 46 | G | G | G | G | G | G | G | G | 35 | 43 | 40 | 18 | 30 | 20 | E 13 B |
| 5 | E 14 B | J 19 X | E | E | E | G | 28 | 35 | 38 | 45 | 44 | c | c | 39 | c | 43 | 41 | 41 | 29 | J 25 X | 20 | J 40 X | E 12 B | E 15 B |
| 6 | 38 | 60 | 58 | E | 56 | 38 | 50 | 50 | 60 | 85 | 83 | 70 | 48 | 53 | 39 | 38 | 35 | y | 20 | 35 | 44 | 48 | 58 | 40 |
| 7 | c | 27 | 30 | 21 | G | G | 35 | 46 | 50 | 62 | c | J 76 X | 60 | c | 50 | G | G | G | 63 | 59 | 59 | 35 | 36 | 29 |
| 8 | 29 | J 47 X | J 34 X | J 52 X | 20 | 23 | G | 35 | J 48 X | J 50 X | J 23 X | 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 | c | 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 | 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 | c | c | c | c | c | c | c | 60 | 75 | 50 | 60 | 58 | 40 | 35 | 40 | 37 | c |
| 15 | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c |
| 16 | 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 | 36 | 60 | 62 | J 83 X | 86 | 90 | 120 | 50 | 60 | c | c | 40 | 40 | E 16 B |
| 18 | c | c | c | c | c | c | 37 | 45 | c | c | c | c | J 43 X | G | 58 | 59 | G | J 27 X | c | G | G | 30 | E 15 B | 29 |
| 19 | c | 58 | 62 | 47 | 60 | 36 | 30 | 50 | 53 | 50 | 58 | 58 | y | 60 | 60 | y | y | 38 | c | c | c | c | c | c |
| 20 | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c |
| 21 | J 38 X | J 39 X | J 47 X | J 23 X | J 32 X | 27 | J 53 X | 38 | J 46 X | J 53 X | J 49 X | c | c | c | c | c | J 59 X | J 76 X | J 50 X | 50 | 44 | J 83 X | J 20 X | J 26 X |
| 22 | 30 | 39 | J 30 X | 30 | 27 | 23 | 33 | 41 | 70 | 60 | 59 | 57 | 45 | 55 | 58 | 41 | 41 | 40 | 41 | 60 | 30 | 30 | 30 | 27 |
| 23 | 27 | 26 | 23 | E 11 B | G | G | y | 38 | 41 | y | y | 47 | 62 | y | 46 | c | 67 | 60 | 55 | 37 | 30 | 27 | 43 | 60 |
| 24 | c | 60 | J 63 X | J 53 X | J 51 X | J 30 X | 32 | c | c | c | J 49 X | 56 | 48 | J 43 X | J 56 X | J 63 X | 40 | 41 | 50 | 50 | 36 | J 30 X | J 52 X | J 32 X |
| 25 | c | J 43 X | J 33 X | J 27 X | J 18 X | 20 | 35 | 38 | J 53 X | J 60 X | c | J 53 X | 49 | 48 | c | J 53 X | 40 | 35 | 40 | J 59 X | 30 | 40 | 30 | E 15 B |
| 26 | c | E | E | 24 | G | 29 | 59 | 41 | 51 | J 35 X | 40 | J 33 X | G | J 33 X | 49 | 51 | 41 | 33 | 36 | 31 | 42 | 25 | 26 | E 15 B |
| 27 | E 14 B | 21 | 21 | 23 | 27 | G | 31 | 38 | 40 | J 53 X | 45 | c | c | c | c | c | G | 34 | 35 | 42 | J 40 X | 30 | J 37 X | J 50 X |
| 28 | 20 | J 38 X | c | J 18 X | J 20 X | J 19 X | 31 | 28 | J 52 X | 55 | 60 | 52 | 53 | 53 | 53 | J 53 X | J 63 X | J 56 X | J 43 X | 30 | 30 | 50 | J 48 X | J 30 X |
| 29 | 38 | 42 | E | 25 | 38 | y | 30 | 51 | 60 | 59 | y | 58 | c | y | 50 | y | 33 | y | 30 | G | G | E 15 B | 20 | E 14 B |
| 30 | 51 | 23 | 22 | y | E 12 B | G | c | 35 | G | G | c | c | c | c | J 57 X | c | G | 36 | 36 | 33 | 48 | 42 | 39 | 39 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | |
| Медiana | 18 | 22 | D 29 | 17 | | | 7 | 10 | 13 | 14 | 19 | 14 | 16 | | 11 | 18 | | 21 | 20 | 20 | 24 | 10 | 21 | D 24 |
| Учено | 30 | 38 | 28 | 24 | 27 | 20 | 32 | 38 | 49 | 54 | 48 | 56 | 49 | 48 | 52 | 53 | 41 | 40 | 43 | 40 | 30 | 35 | 33 | 27 |
| | 14 | 19 | 18 | 18 | 19 | 17 | 18 | 19 | 18 | 16 | 14 | 13 | 12 | 13 | 16 | 14 | 19 | 19 | 19 | 19 | 17 | 19 | 20 | 19 |
| | 20/38 | 22/44 | E/39 | 13/30 | G/45 | G/30 | 30/37 | 35/45 | 40/53 | 46/60 | 40/59 | 51/65 | 44/60 | G/55 | 47/58 | 41/59 | G/59 | 35/56 | 35/55 | 31/51 | 19/43 | 30/40 | 20/41 | E 15/39 |

Пробег частоты от 1.0 Мгц до 10.0 Мгц 0.5 мин.

Станция автоматическая
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

№ Es 0.01 Мгц. Июнь 1967г.
(характеристика) (единицы) (месяц) (год)

Тбилисский Государственный Университет
(институт)

Станция Тбилиси

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Кадемаки

Долгота 44° 48' E широта 41° 43' N

поясное время 45° E

Кем подсчитана Ломинидзе

| 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 | 19 | 37 | 28 | 25 | 31 | G | G | 34 | 35 | 51 | 74 | 44 | c | 50 | c | c | c | 45 | 45 | 48 | 30 | 20 | 30 | 42 |
| 2 | 30 | 19 | E | E | 36 | 31 | 50 | 32 | A | G | 50 | c | c | G | 46 | 50 | 70 | 80 | A | 30 | E 15 B | 30 | 28 | 18 |
| 3 | 31 | 30 | 18 | 20 | 17 | G | G | 34 | 43 | c | c | 66 | 66 | c | 43 | 58 | 40 | 32 | 47 | 49 | c | c | E 12 B | E 12 B |
| 4 | E 13 B | 13 | E | 13 | G | c | 31 | G | 40 | G | G | G | G | G | G | G | G | G | 42 | 30 | 18 | 24 | 20 | E 13 B |
| 5 | E 14 B | 18 | E | E | E | G | 28 | 32 | 37 | 40 | 40 | c | c | 37 | c | 42 | 41 | 35 | 28 | 24 | 18 | 21 | E 12 B | E 15 B |
| 6 | E | 11 | 12 | E | 30 | 29 | A | 42 | A | A | A | A | A | 50 | 39 | 38 | 32 | 28 | 19 | 30 | 30 | 30 | 16 | 17 |
| 7 | c | 20 | 13 | 13 | G | G | 30 | 38 | 47 | 58 | c | 69 | A | c | 47 | G | G | G | A | 45 | 48 | 15 | 25 | 17 |
| 8 | E 15 B | 33 | 33 | A | 16 | 23 | G | 35 | 48 | 50 | A | 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 | c | 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 | 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 | c | c | c | c | c | c | c | A | A | 40 | 38 | 41 | 30 | 27 | 28 | 21 | c |
| 15 | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c |
| 16 | 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 | 39 | 54 | A | A | A | A | A | 42 | 45 | c | c | 17 | 29 | E 16 B |
| 18 | c | c | c | c | c | c | 30 | 40 | c | c | c | c | 50 | G | 50 | 50 | G | 34 | c | G | G | 16 | E 15 B | 19 |
| 19 | c | 19 | 30 | 17 | A | 29 | 30 | 40 | 46 | 33 | 45 | 52 | 53 | 60 | A | 40 | 38 | 38 | c | c | c | c | c | c |
| 20 | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c |
| 21 | 32 | 14 | 28 | 14 | 26 | 20 | 45 | 35 | 42 | 50 | 50 | c | c | c | c | c | A | 44 | 31 | 30 | 28 | A | 16 | 15 |
| 22 | 23 | 30 | 20 | 24 | 24 | G | 32 | 40 | A | A | 53 | 50 | 40 | 53 | 57 | 40 | 40 | 35 | 40 | A | 29 | 30 | 17 | 25 |
| 23 | 18 | 17 | 18 | E 11 B | G | G | 31 | 33 | 41 | 40 | 42 | 43 | 60 | 45 | 45 | c | 63 | 44 | 31 | 33 | 22 | 19 | 29 | A |
| 24 | c | 46 | A | 45 | 30 | 22 | 29 | c | c | c | 48 | 56 | 48 | 42 | 53 | 57 | 38 | 41 | 45 | 45 | 33 | 30 | A | 21 |
| 25 | c | 20 | 25 | 24 | 18 | E 16 B | 30 | 31 | 50 | 54 | c | 42 | 52 | 44 | c | 48 | 32 | 31 | 31 | A | 21 | 28 | 30 | E 15 B |
| 26 | c | E | E | 13 | G | 22 | 41 | 34 | A | 42 | 39 | 40 | G | 40 | 40 | 40 | 39 | 26 | 30 | 29 | 34 | 20 | E 12 B | E 15 B |
| 27 | E 14 B | 13 | 13 | 13 | 20 | G | 30 | 33 | A | A | 40 | c | c | c | c | c | G | 32 | 30 | 31 | A | 30 | 17 | 20 |
| 28 | 15 | 20 | c | 16 | 16 | 16 | 28 | 32 | 50 | 55 | A | A | A | A | 50 | A | A | A | 42 | 26 | 20 | 19 | 29 | 20 |
| 29 | 27 | 30 | E | 20 | 25 | 29 | 30 | 42 | 54 | 50 | 46 | 50 | c | 43 | 50 | 40 | 32 | 30 | 30 | G | G | E 15 B | 16 | E 14 B |
| 30 | 40 | 18 | 18 | 15 | E 12 B | G | c | 31 | G | G | c | c | c | c | 51 | c | G | 32 | 31 | 28 | 40 | 31 | 29 | 30 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | |
| Медiana | 19 | 19 | 18 | 15 | 18 | 16 | 30 | 34 | 48 | 50 | 49 | 51 | 53 | 44 | 50 | 45 | 39 | 35 | 40 | 30 | 28 | 24 | 20 | 17 |
| Учено | 14 | 19 | 18 | 19 | 19 | 18 | 19 | 19 | 18 | 17 | 16 | 14 | 13 | 15 | 16 | 16 | 20 | 21 | 19 | 19 | 18 | 19 | 20 | 19 |

Пробег частоты от 1.0 Мгц до 10.0 Мгц 0.5 мин.

Станция автоматическая (ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

f_{min} 0.01 Мгц. Июнь 1967г.
(характеристика) (единицы) (месяц) (год)

Тбилисский Государственный
(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 | 15 | 15 | 12 | 10 | 10 | 10 | 11 | 17 | 18 | 18 | 19 | E 28c | E 42c | E 44c | E 44c | E 32c | E 30c | E 29c | 18 | 19 | 17 | 13 | 14 | 13 |
| 2 | 14 | 10 | 10 | 10 | 10 | 13 | 17 | 18 | 20 | E 30c | E 27c | c | c | E 30c | E 25c | E 30c | 18 | 17 | 18 | 14 | 15 | 11 | 12 | 11 |
| 3 | 10 | 10 | 10 | 10 | 10 | 10 | 11 | 18 | 18 | c | E 41c | E 41c | E 38c | c | E 35c | 21 | 19 | 16 | 14 | 14 | c | c | 12 | 12 |
| 4 | 13 | 10 | 10 | 10 | 10 | c | 13 | 13 | 14 | 13 | 15 | 30 | 20 | 20 | 18 | 17 | 14 | 14 | 13 | 12 | 12 | 10 | 13 | 13 |
| 5 | 14 | 10 | 10 | 10 | 10 | 14 | 14 | 14 | 17 | 12 | 19 | c | c | 16 | c | 15 | 14 | 14 | 14 | 11 | 11 | 10 | 12 | 15 |
| 6 | 10 | 10 | 10 | 10 | 10 | 12 | 15 | 13 | 16 | 18 | 19 | E 29c | 21 | 19 | 20 | 19 | 18 | 15 | 15 | 14 | 12 | 10 | 10 | 14 |
| 7 | c | 10 | 10 | 10 | 10 | 17 | 14 | 13 | 17 | 17 | c | 18 | 17 | c | 19 | 17 | 17 | 18 | 15 | 13 | 13 | 13 | 10 | 12 |
| 8 | 15 | 10 | 10 | 11 | 11 | 16 | 17 | 20 | 13 | 18 | 12 | 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 | c | 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 | 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 | c | c | c | c | c | c | c | 18 | 17 | 17 | 15 | 12 | 12 | 11 | 12 | 10 | c |
| 15 | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c |
| 16 | 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 | 18 | 19 | 19 | 18 | 20 | 21 | 14 | 14 | 15 | c | c | 13 | 11 | 16 |
| 18 | c | c | c | c | c | c | 11 | 12 | c | c | c | c | 13 | 19 | 17 | 14 | 15 | 15 | c | 12 | 10 | 14 | 15 | 15 |
| 19 | c | 10 | 10 | 10 | 10 | 14 | 13 | 12 | 16 | 13 | 19 | 18 | 17 | 18 | 17 | 17 | 17 | 15 | c | c | c | c | c | c |
| 20 | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c |
| 21 | 10 | 10 | 10 | 10 | 10 | 13 | 12 | 11 | 15 | 18 | 18 | c | c | c | c | c | 17 | 16 | 15 | 14 | 12 | 14 | 12 | 14 |
| 22 | 13 | 10 | 10 | 10 | 11 | 14 | 13 | 13 | 15 | 16 | 14 | 15 | 17 | 15 | 16 | 17 | 17 | 16 | 15 | 15 | 11 | 14 | 13 | 15 |
| 23 | 12 | 10 | 10 | 11 | 10 | 14 | 18 | 15 | 19 | 18 | 20 | E 30c | 19 | 18 | 18 | E 32c | 19 | 17 | 17 | 12 | 11 | 10 | 13 | 10 |
| 24 | c | 10 | 10 | 10 | 10 | 11 | 12 | c | c | c | 18 | 18 | 18 | 18 | 32 | 15 | 15 | 13 | 13 | 14 | 13 | 14 | 13 | 13 |
| 25 | c | 12 | 10 | 10 | 10 | 16 | 13 | 12 | 15 | 15 | c | 14 | 14 | 14 | E 22c | 15 | 15 | 12 | 12 | 15 | 12 | 14 | 13 | 15 |
| 26 | c | 10 | 10 | 10 | 10 | 12 | 11 | 13 | 12 | 13 | 18 | 20 | 18 | 16 | 18 | 15 | 18 | 13 | 13 | 14 | 12 | 12 | 12 | 15 |
| 27 | 14 | 10 | 10 | 10 | 10 | 14 | 16 | 15 | 18 | 18 | 19 | c | c | c | c | c | 18 | 17 | 14 | 15 | 11 | 12 | 16 | 12 |
| 28 | 10 | 10 | c | 10 | 10 | 13 | 12 | 16 | 16 | 16 | 17 | E 22c | 18 | 18 | 16 | 17 | 15 | 15 | 15 | 15 | 11 | 12 | 11 | 15 |
| 29 | 10 | 14 | 10 | 10 | 13 | 16 | 14 | 16 | 18 | 19 | 19 | 18 | c | 19 | 19 | 18 | 16 | 17 | 17 | 13 | 11 | 15 | 12 | 14 |
| 30 | 13 | 10 | 11 | 10 | 12 | E 22c | c | 13 | 14 | 17 | c | c | c | c | 15 | c | 18 | 15 | 10 | 14 | 13 | 13 | 14 | 14 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | |
| Медиана | 13 | 10 | 10 | 10 | 10 | 14 | 13 | 14 | 16 | 17 | 19 | 19 | 18 | 18 | 19 | 17 | 17 | 15 | 15 | 14 | 12 | 13 | 12 | 14 |
| Учено | 14 | 19 | 18 | 19 | 19 | 18 | 19 | 19 | 18 | 17 | 17 | 14 | 14 | 15 | 18 | 18 | 21 | 21 | 19 | 19 | 18 | 19 | 20 | 19 |

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

(M 3000) F2 0.01 Июнь 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 | R | u 305R | c | R | R | 300 | c | 315 | u 310R | 295 | 285 | R | c | 300 | c | c | c | u 315c | 300 | 305 | R | R | 305 | 295 |
| 2 | 270 | 270 | 295 | 290 | 290 | 295 | 305 | 305 | A | c | c | c | c | u 295c | 295 | 295 | 295 | 290 | A | c | 300 | 295 | c | c |
| 3 | R | 290 | R | 300 | 320 | R | 265 | 265 | u 280R | c | 260 | 260 | 270 | c | 265 | 265 | 280 | 280 | 240 | c | c | c | R | R |
| 4 | 290 | 285 | 285 | 290 | 285 | c | 285H | 310 | 300 | S | 330 | 300H | 305 | 290 | 310 | 300 | 290 | 295 | S | 290 | 285 | S | S | S |
| 5 | u 285R | R | 305 | 285 | 270 | 265 | 290 | 315 | 325 | 265 | c | c | c | 310 | c | 295 | c | 320 | 325 | 325 | c | c | 315 | 275 |
| 6 | 250 | 250 | 255 | u 255F | 285 | u 280R | A | F | A | A | A | A | A | R | R | R | u 280R | 305 | 310 | u 275R | R | R | R | R |
| 7 | c | R | 290 | 330 | 295 | 250 | 275 | c | 280 | 280 | c | 270 | A | c | 300 | 300 | 300 | R | A | R | 300 | R | R | 300 |
| 8 | R | F | 285 | A | 320 | 320 | R | R | R | S | A | 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 | c | 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 | 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 | c | c | c | c | c | c | c | A | A | 295 | R | 290 | R | 310 | R | R | c |
| 15 | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c |
| 16 | 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 | R | A | A | A | A | A | R | R | c | c | R | R | R |
| 18 | c | c | c | c | c | c | 300 | 270 | c | c | c | c | c | c | R | 270 | 300 | 300 | c | 300 | 300 | 300 | 310 | 300 |
| 19 | c | 300 | u 275R | 300F | A | 315 | R | R | R | 285 | u 295R | u 315R | u 310R | 290 | A | R | R | 315 | c | c | c | c | c | c |
| 20 | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c |
| 21 | 285 | 325 | 300 | 300 | 295 | 325 | 320 | 315 | 305 | 305 | c | c | c | c | c | c | A | 305 | 300 | 280 | 295 | A | c | c |
| 22 | 310 | F | 310 | 295 | 290 | 320 | 300 | 295 | A | A | 290 | 290 | 300 | 280 | 285 | 300 | 290 | 300 | 290 | A | 275 | S | 310 | 300 |
| 23 | u 310R | u 305R | R | u 295R | 305 | 305 | R | R | u 285R | 290 | 290 | 290 | 270 | 295 | 275 | R | 305 | 295 | 305 | 295 | R | R | R | A |
| 24 | c | S | A | 285 | R | R | R | c | c | c | R | 310 | 275 | 280 | 295 | 300 | S | 310 | 305 | R | R | R | A | R |
| 25 | c | c | 295 | 305 | 305 | 290 | c | 300 | 265 | 275 | c | 285 | 275 | 280 | c | 285 | 295 | 305 | 295 | A | u 300c | c | c | c |
| 26 | c | 270 | 270 | 270 | 280 | 320 | 300 | 280H | A | 300 | 300 | c | 260 | 290 | 290 | 290 | 300 | 300 | 300 | 280 | c | c | R | c |
| 27 | R | R | 280 | 275 | 280 | 320 | 320 | N | A | A | 300 | c | c | c | c | c | 300 | 310 | 330 | 335 | A | R | R | R |
| 28 | 275 | 285 | c | u 295F | F | 250 | 270 | 265 | 280 | S | A | c | A | A | c | A | A | A | 305 | c | c | 295 | c | c |
| 29 | c | c | c | 305 | 300 | 305 | 355 | 295 | u 315R | 285 | u 280R | R | c | 300 | u 315R | u 310R | u 270R | 305 | 290 | 280 | u 300R | u 275R | R | R |
| 30 | R | 280 | 290 | 290 | 270 | 300 | c | R | R | 290V | c | c | c | c | 300 | c | R | R | R | 330 | R | R | R | R |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | |
| Медiana | 30 | 35 | 20 | 15 | 25 | 35 | 30 | 35 | 30 | 15 | 20 | 20 | 30 | 20 | 20 | 15 | 15 | 10 | 15 | 45 | 10 | | | 15 |
| Учтено | 285 | 285 | 290 | 295 | 290 | 300 | 300 | 300 | 290 | 290 | 290 | 290 | 275 | 295 | 295 | 295 | 295 | 305 | 300 | 290 | 300 | 290 | 310 | 300 |
| | 8 | 11 | 13 | 17 | 15 | 16 | 12 | 12 | 10 | 10 | 9 | 8 | 8 | 11 | 10 | 11 | 13 | 16 | 14 | 11 | 9 | 4 | 4 | 5 |
| | 270/300 | 270/305 | 280/300 | 285/300 | 280/305 | 285/320 | 280/310 | 275/310 | 280/310 | 280/295 | 280/300 | 285/305 | 270/300 | 280/300 | 280/300 | 285/300 | 285/300 | 300/310 | 290/305 | 280/325 | 290/300 | | | 285/300 |

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

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

Тбилисский Государственный Университет
(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 | | | | | | | | | L | | | L | c | A | L | L | R | A | | A | | | | |
| 2 | | | | | | | | L | A | c | A | c | c | L | L | A | A | A | A | | | | | |
| 3 | | | | | | | L | L | L | c | c | c | c | c | L | | | L | | | | | | |
| 4 | | | | | | | L | 370 | 360 | 370 | 380H | 385 | 380 | 360 | 360 | 360 | L | L | | | | | | |
| 5 | | | | | | L | L | L350L | 360 | L | L | c | c | 355 | c | R | L | L | L | | | | | |
| 6 | | | | | | | | | | | | | | | A & 360R | 330 | L | | L | | | | | |
| 7 | | | | | | | L | 290 | A | A | c | A | A | c | L | L | L | L | A | A | | | | |
| 8 | | | | | | | L | L | A | A | A | c | c | c | c | c | c | c | c | c | | | | |
| 9 | | | | | | c | c | c | 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 | c | c | c | | | | |
| 11 | | | | | | 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 | | | | |
| 13 | | | | | | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | | | | |
| 14 | | | | | | c | c | c | c | c | c | c | c | c | A | A | L | L | A | | | | | |
| 15 | | | | | | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | | | | |
| 16 | | | | | | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | | | | |
| 17 | | | | | | c | c | c | c | c | L | A | A | A | A | A | A | A | A | | | | | |
| 18 | | | | | | | | L | c | c | c | c | A | 310 | A | A | 330 | L | c | L | | | | |
| 19 | | | | | | | L | A | R | L | A | A | A | A | A & 365R | 335 | L | c | c | | | | | |
| 20 | | | | | | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | | | | |
| 21 | | | | | | | | L | L | A | A | c | c | c | c | c | A | A | L | | | | | |
| 22 | | | | | | | | L | A | A | A | A | 360 | A | A | A | A | L | | A | | | | |
| 23 | | | | | | | L | 350 | | 370 | 380 | R | A | R | L | R | A | A | A | | | | | |
| 24 | | | | | | | L | c | c | c | L | A | L | 350 | A | A | L | A | | | | | | |
| 25 | | | | | | | L | L | A | A | c | L | A | 340 | c | A | 365 | 345 | L | | | | | |
| 26 | | | | | | | | | | L | L | 270 | 280 | 290 | 360 | L | L | L | L | | | | | |
| 27 | | | | | | | L | L | A | A | 370 | c | c | c | c | c | L | L | L | | | | | |
| 28 | | | | | | | 360 | 380 | A | A | A | A | A | A | A | A | A | A | A | | | | | |
| 29 | | | | | | | | A | A | A | R | A | c | R | A | R | R | 355 | L | | | | | |
| 30 | | | | | | L | c | | | | c | c | c | c | A | c | | L | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | |
| Медиана | | | | | | | 360 | 350 | 360 | 370 | 375 | 330 | 340 | 355 | 360 | 350 | 340 | 350 | | | | | | |
| Учтено | | | | | | | 1 | 5 | 2 | 2 | 3 | 2 | 3 | 6 | 3 | 3 | 3 | 2 | | | | | | |

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

Н.Ф. КМ. Июнь 1967г.
(характеристика) (единицы) (месяц) (год)

Тбилисский Государственный Университет
(институт)

Станция Тбилиси

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Кандедаки

Долгота 44° 48' E широта 41° 43' N

поясное время 45° E

Кем подсчитана Асманшвили

| 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 | 315 | 300 | 275 | 250 | 300 | 250 | и 240c | 230 | 270 | 300 | 350 | 200 | и 330c | A | и 220c | и 240c | и 200c | A | 260 | Г 255A | 250 | 260 | 250 | 270 |
| 2 | 255 | 275 | 270 | 255 | 300 | 270 | и 255A | 225 | A | c | A | c | c | 200 | и 240A | A | A | A | A | 250 | 240 | 250 | 255 | 245 |
| 3 | 300 | 300 | 270 | 270 | 260 | 250 | 240 | 240 | 270 | c | c | c | c | c | 270 | 310 | 250 | 240 | 300 | 290 | c | c | 250 | 240 |
| 4 | 260 | 260 | 260 | 270 | 280 | Г 260c | 240 | 230 | E 240A | 230 | 200 | 230 | 200 | 200 | 250 | 210 | 210 | 240 | 300 | 280 | 240 | 200 | 300 | 300 |
| 5 | 295 | 280 | 255 | 270 | 325 | 300 | 250 | 240 | 215 | E 210A | 205 | c | c | 225 | c | A | A | 220 | 245 | 255 | 245 | 255 | 245 | 270 |
| 6 | 320 | 340 | 310 | 300 | 320 | 300 | A | E 430A | A | A | A | A | A | A | 220 | 220 | 210 | 250 | 250 | 290 | 320 | 300 | 290 | 300 |
| 7 | c | 300 | 260 | 240 | 240 | 230 | 220 | 300 | A | A | c | A | A | c | 300 | 200 | 200 | 230 | A | A | 270 | 230 | 250 | 250 |
| 8 | 250 | 310 | 280 | Г 265A | 250 | 235 | 225 | 230 | A | A | A | 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 | c | 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 | 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 | c | c | c | c | c | c | c | A | A | 240 | 280 | Г 265A | 250 | 240 | 250 | 230 | c |
| 15 | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c |
| 16 | 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 | и 200c | A | A | A | A | A | A | A | и 220c | c | c | и 270c | и 280c | и 210c |
| 18 | c | c | c | c | c | c | 250 | 325 | c | c | c | c | A | 210 | A | A | 240 | 260 | Г 250c | 240 | 230 | 250 | 260 | 250 |
| 19 | c | 240 | 350 | 240 | Г 240A | 240 | 250 | Г 275A | 300 | 210 | A | A | A | A | A | 250 | 200 | 250 | c | c | c | c | c | c |
| 20 | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c |
| 21 | E 330A | 250 | 250 | 250 | 275 | 250 | 250 | 225 | 275 | A | A | c | c | c | c | c | A | A | 245 | 290 | 240 | Г 230A | 220 | 245 |
| 22 | 290 | 300 | 280 | 300 | 270 | 240 | 225 | 280 | A | A | A | A | 200 | A | A | E 210A | E 230A | E 250A | 300 | Г 290A | 270 | Г 255S | 240 | 240 |
| 23 | 220 | 250 | 280 | 270 | 260 | 250 | 220 | 240 | 250 | 200 | 210 | 220 | Г 225A | 230 | 280 | 200 | A | A | A | 250 | 250 | 240 | и 300R | A |
| 24 | c | 300 | A | E 330A | 315 | 230 | 225 | c | c | c | E 310A | A | 260 | E 190A | A | A | 225 | Г 250A | 275 | 265 | 250 | 240 | Г 250A | 260 |
| 25 | c | 250 | 275 | 270 | 265 | 250 | E 240A | 245 | A | A | c | 220 | Г 220A | 215 | c | A | 200 | 220 | 230 | Г 240A | 250 | 270 | 280 | 305 |
| 26 | c | 330 | 310 | 300 | 260 | 250 | 320 | 210H | Г 230A | 250 | 200 | 200 | 230 | 200 | 210 | 200 | 220 | 200 | 240 | 250 | 270 | 280 | 260 | 250 |
| 27 | 240 | 260 | 260 | 250 | 280 | 250 | 250 | 240 | A | A | 200 | c | c | c | c | c | 210 | 220 | 250 | 260 | Г 270A | 280 | 270 | 300 |
| 28 | 300 | 275 | Г 245c | 220 | 255 | 250 | E 210A | 200 | A | A | A | A | A | A | A | A | A | A | A | 255 | 250 | 255 | 325 | 315 |
| 29 | 330 | 290 | 230 | 220 | 270 | 260 | 215 | A | A | A | 320 | A | c | 220 | Г 220A | 220 | 200 | 205 | 240 | 260 | 260 | 250 | 250 | 250 |
| 30 | 300 | 280 | 290 | 260 | 300 | 250 | Г 225c | 200 | 200 | 200 | c | c | c | c | A | c | 200 | 230 | 250 | 270 | 310 | 320 | 280 | 250 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | |
| Медiana | 60 | 40 | 20 | 20 | 40 | 20 | 30 | 35 | 40 | 40 | 115 | 25 | 60 | 20 | 55 | 40 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 55 |
| Учено | 14 | 19 | 18 | 19 | 19 | 19 | 19 | 18 | 9 | 7 | 9 | 5 | 7 | 9 | 9 | 10 | 15 | 15 | 16 | 18 | 18 | 19 | 20 | 18 |
| | 255/315 | 260/300 | 260/280 | 250/270 | 260/300 | 240/260 | 220/250 | 225/260 | 220/270 | 200/250 | 200/315 | 200/225 | 200/260 | 200/220 | 220/275 | 200/240 | 200/230 | 220/250 | 240/270 | 250/280 | 240/270 | 240/270 | 250/280 | 245/300 |

Провер частоты от 1.0 Мгц до 10.0 Мгц 0.5 мин.

Станция автоматическая
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

h'F2 KM Июнь 1967г
(характеристика) (единицы) (месяц) (год)

Тбилисский Государственный Университет
(институт)

Станция Тбилиси

ИОНОСФЕРНЫЕ ДАННЫЕ

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 | | | | | | | | 280 | | | | 290 | I 300 C | 310 | W 320 C | W 305 C | 300 | 280 | | | | | | 320 |
| 2 | | | | | | | | 255 | A | C | 300 | C | C | 310 | 320 | 300 | E 320 A | E 350 A | A | | | | | |
| 3 | | | | | | | 270 | 260 | 310 | C | C | C | C | C | 330 | | | 290 | | | | | | |
| 4 | | | | | | | 300 H | 310 | 300 | 330 | 300 | 350 H | 350 | 330 | 320 | 340 | 310 | 230 | | | | | | |
| 5 | | | | | | 325 | 350 | 325 | 345 | 380 | 370 | C | C | 310 | I 330 C | 345 | 330 | 320 | 270 | | | | | |
| 6 | | | | | | | | | | | | | | 330 | 300 | 290 | 240 | | 275 | | | | | |
| 7 | | | | | | | 300 | 380 | 340 | 330 | I 330 C | 330 | A | C | 320 | 300 | 290 | 270 | I 255 A | 240 | | | | |
| 8 | | | | | | | 250 | 310 | 325 | 285 | A | C | C | C | C | C | C | C | C | C | C | | | |
| 9 | | | | | | C | C | C | C | 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 | C | C | C | C | | | |
| 11 | | | | | | 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 | | | |
| 13 | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | | | |
| 14 | | | | | | C | C | C | C | C | C | C | C | C | A | A | 310 | 310 | 280 | | | | | |
| 15 | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | | | |
| 16 | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | | | |
| 17 | | | | | | C | C | C | C | C | W 270 C | W 300 C | A | A | A | A | A | W 260 C | | | | | | |
| 18 | | | | | | | | 370 | C | C | C | C | 390 | 380 | 370 | 360 | 340 | 300 | I 280 C | 260 | | | | |
| 19 | | | | | | | 330 | 290 | 340 | 300 | 300 | 310 | 300 | 360 | I 340 A | 320 | 330 | 290 | C | C | | | | |
| 20 | | | | | | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | C | | | |
| 21 | | | | | | | | 260 | 300 | 375 | 355 | C | C | C | C | C | A | 300 | 310 | | | | | |
| 22 | | | | | | | | E 250 A | A | A | 340 | 310 | 300 | 350 | 330 | 330 | 310 | 300 | | A | | | | |
| 23 | | | | | | | 250 | 270 | | 290 | 340 | 310 | 350 | 330 | 340 | 320 | 315 | 310 | 270 | | | | | |
| 24 | | | | | | | C | C | C | C | 350 | 280 | 350 | 340 | 335 | 305 | 300 | 285 | | | | | | |
| 25 | | | | | | | 245 | 275 | 305 | 330 | I 300 C | 375 | 355 | 350 | I 330 C | 310 | 290 | 280 | 260 | | | | | |
| 26 | | | | | | | | | 300 | 300 | 360 | 410 | 340 | 300 | 300 | 300 | 240 | 250 | | | | | | |
| 27 | | | | | | | 290 | 430 | A | A | 340 | C | C | C | C | C | 310 | 300 | 270 | | | | | |
| 28 | | | | | | | 380 | 350 | 400 | W 380 A | A | C | A | A | 345 | A | A | A | 300 | | | | | |
| 29 | | | | | | | | 300 | 300 | 400 | 415 G | 420 | C | W 360 R | 330 | 350 | 380 | 320 | 300 | | | | | |
| 30 | | | | | | 300 | C | | | | C | C | C | C | 270 | C | | 300 | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | |
| Медиана | | | | | | | 80 | 90 | 40 | 80 | 50 | 60 | 70 | 35 | 20 | 40 | 25 | 30 | 25 | | | | | |
| Учено | | | | | | 2 | 10 | 15 | 11 | 11 | 14 | 11 | 9 | 13 | 17 | 14 | 16 | 19 | 12 | 3 | | | | |
| | | | | | | | 250/340 | 260/350 | 300/340 | 300/380 | 300/350 | 300/360 | 300/370 | 320/355 | 320/340 | 300/340 | 300/325 | 280/310 | 265/290 | | | | | |

Пробег частоты от 1.0 Мгц до 10.0 Мгц 0.5 мин.

Станция автоматическая
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

Н⁰Е КМ. Июль 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 | | | | | | 125 | u 110R | 100 | 100 | 100 | u 100R | u 100R | c | c | c | c | c | u 100R | 100 | 105 | 105 | | | |
| 2 | | | | | | | 110 | 100 | 100 | 100 | 100 | c | c | 100 | 100 | 100 | 110 | 110 | 105 | E | | | | |
| 3 | | | | | | 100 | 100 | 100 | 100 | c | c | c | c | c | c | 120 | 115 | 115 | 120H | 130 | c | c | | |
| 4 | | | | | 100 | I 100c | 100 | 100H | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | E 120 | | | | |
| 5 | | | | | | 120H | 115 | 110 | 110 | 100 | 100 | c | c | 100 | I 100c | 100 | 100 | 100 | 105 | E | | | | |
| 6 | | | | | A | 110 | 100 | 100 | 100 | u 100R | u 100R | A | u 100R | u 100R | u 100R | 100 | u 100R | A | A | A | | | | |
| 7 | | | | | E | 100H | 100 | 100 | 100 | 100 | I 100c | 100 | A | c | 100 | 100 | 100H | 100 | A | A | | | | |
| 8 | | | | | | | 100 | 100 | 90 | 100 | 90 | c | c | c | c | c | c | c | c | c | c | c | | |
| 9 | | | | | c | c | c | c | c | c | c | c | 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 | 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 |
| 12 | | | | | 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 |
| 14 | | | | | c | c | c | c | c | c | c | c | c | c | u 100R | u 100R | u 100R | 100 | 100 | u 100R | | | | |
| 15 | | | | | c | c | c | c | c | c | c | c | c | c | c | c | c | 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 |
| 17 | | | | | c | c | c | c | c | c | R | 100 | 100 | u 100c | u 100c | u 100c | u 100c | u 100c | u 100c | c | c | c | c | c |
| 18 | | | | | c | c | 100 | 100 | c | c | c | c | 100 | 100 | 100 | 100 | 105 | 100 | I 100c | 100 | E | | | |
| 19 | | | | | | | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | u 100R | 100 | u 100R | c | c | c | c | c | c |
| 20 | | | | | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c |
| 21 | | | | | | 105 | 110 | 100 | 100 | 100 | 100 | c | c | c | c | c | 105 | 110 | 110 | | | | | |
| 22 | | | | | | E 140B | 105 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | | | | |
| 23 | | | | | 100 | 130 | u 105R | 100 | 100 | 100 | u 100R | R | u 100R | 100 | u 100R | c | 100 | 100 | 100 | u 100A | E | | | |
| 24 | | | | | | 100 | 100 | c | c | c | 100 | 100 | 100 | 100 | A | A | A | 100 | 100 | 100 | | | | |
| 25 | | | | | | | 115 | 110 | 110 | 105 | I 100c | 100 | 105 | 105 | I 105c | 105 | 100 | 100 | 105 | | | | | |
| 26 | | | | | E | 120 | 100 | 100 | I 100A | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | | | | |
| 27 | | | | | | 130 | 110 | 110 | 100 | 100 | 100 | c | c | c | c | c | 100 | 100 | 100 | A | | | | |
| 28 | | | | | | 150 | A | A | A | 105 | 105 | 105 | 100 | 100 | 100 | 100 | 100 | 100 | 110 | E | | | | |
| 29 | | | | | | E | 100 | 100 | 100 | 100 | 100 | u 100R | c | u 100R | u 100R | u 100R | u 100R | u 100R | A | 100H | 120 | | | |
| 30 | | | | | | c | c | 100 | 100 | 100 | c | c | c | c | 100 | I 100c | 100 | 100 | 100 | 110 | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | |
| Медiana | | | | | | 120 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | | | | |
| Учтено | | | | | 4 | 14 | 18 | 18 | 17 | 17 | 17 | 11 | 11 | 14 | 16 | 16 | 19 | 20 | 17 | 14 | 4 | | | |

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

$H'Es$ КМ. Июнь 1967г.
(характеристика) (единицы) (месяц) (год)

Тбилисский Государственный университет
(институт)

Станция Тбилиси

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Кандяки

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

Пробег частоты от 1.0 Мгц до 10.0 Мгц 0.5 мин.

Станция автоматическая
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

№ Ф2 км. Июнь 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 Лашавили

| 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 | u 370R | u 335R | c u 350R | u 330R | 320 | c | 310 | 305 | 340 | 350 | u 310R | c | 330 | u 340c | c | c | 300 | 320 | 320 | R | R | 320 | 340 | |
| 2 | 330 | 370 | 355 | 350 | 355 | 330 | 325 | 315 | A | e | c | c | u 345c | 350 | 300 | 420 | A | A | c | 300 | 300 | c | c | |
| 3 | R | 380 | u 350R | 360 | 360 | R | 350 | 350 | u 320R | c | 400 | 340 | 360 | c | 360 | 350 | 340 | 330 | 320 | u 320c | c | c | R | R |
| 4 | 350 | 350 | 350 | 340 | 370 | c | 330H | 320 | 320 | S | 310 | 360H | 350 | 340 | 330 | 350 | 330 | 320 | S | 360 | 300 | S | S | S |
| 5 | u 405R | u 360R | 350 | 375 | 400 | 355 | 375 | G | G | G | c | c | c | 315 | c | G | c | 335 | 300 | 325 | c | c | 315 | 400 |
| 6 | 430 | 450 | 410 | u 410F | 350 | u 350R | A | u 460F | A | A | A | A | A | u 350R | R | R | u 350R | 315 | 320 | u 350R | R | R | R | R |
| 7 | c | R | 350 | 330 | 370 | 400 | 350 | c | 360 | 370 | c | 350 | A | c | 310 | 320 | 310 | 300 | A | R | 310 | R | u 300R | 305 |
| 8 | R | F | 330 | A | 300 | 270 | R | R | R | S | A | 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 | c | 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 | 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 | c | c | c | c | c | c | c | A | A | 340 | u 340R | 330 | u 315R | 300 | R | u 270R | c |
| 15 | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c |
| 16 | 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 | R | A | A | A | A | A | u 270R | u 260R | c | c | u 340R | R | R |
| 18 | c | c | c | c | c | c | 300 | 400 | c | c | c | c | c | 400G | u 370R | 360 | 340 | 310 | c | 320 | 310 | 320 | 320 | 320 |
| 19 | c | 310 | u 440R | 330F | A | 300 | u 340R | u 320R | u 360R | 350 | u 330R | u 320R | u 310R | 350G | A | R | R | 300 | c | c | c | c | c | c |
| 20 | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c |
| 21 | 380 | 300 | 325 | 350 | 350 | 300 | 280 | 300 | u 300c | G | c | c | c | c | c | c | A | 325 | 325 | 350 | 325 | A | c | c |
| 22 | 350 | F | 340 | 370 | 350 | 300 | 330 | 330 | A | A | 350 | 330 | 330 | 360 | 350 | 340 | 330 | 320 | 330 | A | 350 | S | 300 | 320 |
| 23 | u 310R | u 330R | R | u 350R | 320 | 320 | R | R | u 330R | 340 | 350 | 360 | 370 | 340 | 370 | u 350R | 330 | 330 | 310 | 340 | u 300R | R | R | A |
| 24 | c | S | A | 350 | R | R | R | c | c | c | R | 305 | 370 | 365 | 350 | 330 | S | 305 | 300 | R | R | R | A | R |
| 25 | c | c | 340 | 340 | 345 | 360 | c | 310 | 355 | 350 | c | 350 | 375 | 380 | c | 350 | 345 | 305 | 325 | A | u 325c | c | c | c |
| 26 | c | 430 | 420 | 400 | 350 | 350 | 310 | 350H | A | 300 | 300 | c | 480 | 340 | 320 | 340 | 320 | 310 | 300 | 340 | c | c | R | c |
| 27 | u 340R | R | 350 | 350 | 350 | 290 | 300 | N | A | A | 350 | c | c | c | c | c | 330 | 330 | 290 | 300 | A | R | R | R |
| 28 | 380 | 350 | c | u 300F | F | 405 | 385 | 375 | 400 | S | A | c | A | A | c | A | A | A | 320 | c | u 300c | 350 | c | c |
| 29 | c | c | c | 300 | 315 | 300 | 230 | 350 | u 300R | 400 | 450G | 425G | c | 370 | u 340R | u 350R | 415G | 335 | 330 | 340 | u 320R | u 360R | R | R |
| 30 | R | 350 | 350 | 350 | 380 | 330 | c | R | R | 340V | c | c | c | c | 300 | c | R | R | R | 350 | u 350R | R | R | R |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | |
| Медиана | 30 | 45 | 5 | 20 | 25 | 50 | 50 | 45 | 55 | 20 | 55 | 40 | 30 | 30 | 30 | 20 | 20 | 25 | 25 | 30 | 25 | 45 | 20 | 60 |
| Учено | 350 | 350 | 350 | 350 | 350 | 325 | 330 | 330 | 325 | 345 | 350 | 345 | 365 | 350 | 345 | 350 | 340 | 310 | 320 | 340 | 310 | 340 | 310 | 320 |
| | 10 | 12 | 14 | 18 | 16 | 16 | 13 | 13 | 10 | 8 | 9 | 10 | 8 | 13 | 12 | 11 | 13 | 18 | 15 | 13 | 12 | 5 | 6 | 5 |
| | 380/350 | 375/330 | 355/350 | 360/340 | 365/340 | 350/300 | 350/300 | 360/315 | 360/305 | 360/340 | 375/320 | 360/320 | 370/340 | 370/340 | 355/325 | 350/330 | 350/330 | 330/305 | 325/300 | 350/320 | 325/300 | 355/310 | 320/300 | 370/310 |

Пробег частоты от 1.0 Мгц до 10.0 Мгц 0.5 мин.

Станция автоматическая
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГОД СПОКОЙНОГО СОЛНЦА

Типы Es Июнь 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 Ашамвили

| 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 | f3 | f3 | f3 | f5 | | | c1 | c1 | c1 | c1 | c1 | c | c1 | c | c | c | c1 | c1 | c2 | c1 | f2 | f2 | f2 | |
| 2 | f2 | f3 | | | f3 | f1 | c2 | c1 | c1 | c | c1 | c | c | | c1 | c1 | c2 | c2 | c2 | c2 | | f2 | f2 | f1 | |
| 3 | f2 | f2 | f2 | f3 | f3 | | | c1 | c1 | c | c | c1 | c1 | c | c1 | c2 | c2 | c2 | c3 | c3 | c | c | f2 | | |
| 4 | | f2 | | f1 | | c | c1 | c2 | c1 | | | | | | | | | c1 | c2 | c2 | f1 | f1 | f1 | | |
| 5 | | f2 | f2 | f1 | | | c1 | c1 | c1 | c1 | c1 | c | c | c1 | c | c1 | c1 | c1 | c1 | c2 | f1 | f4 | | | |
| 6 | f2 | f2 | f1 | | f3 | c2 | c2 | c2 | c2 | c1 | c2 | f1 | c1 | c1 | c1 | c1 | c1 | f1 | f1 | f2 | f2 | f2 | f2 | | |
| 7 | c | f3 | f2 | f2 | | | c1 | c2 | c1 | c2 | c | c1 | c1 | c | c1 | | | | c2 | c2 | f2 | f2 | f3 | f2 | |
| 8 | f1 | f2 | f3 | f2 | f1 | f1 | | c1 | c1 | c2 | c2 | 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 | c | 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 | 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 | c | c | c | c | c | c | c | c | c2 | c2 | c2 | c2 | c3 | c2 | f2 | f4 | f2 | c |
| 15 | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | |
| 16 | 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 | c1 | c2 | c2 | c2 | c2 | c2 | c2 | c2 | c2 | c | c | f2 | f2 | | |
| 18 | c | c | c | c | c | c | c2 | c3 | c | c | c | c | c1 | | c1 | c2 | | c1 | c | | | f1 | | f2 | |
| 19 | c | f1 | f2 | f2 | f4 | f2 | c1 | c2 | c1 | c2 | c1 | f1c1 | c1 | c2 | c2 | c1 | c1 | c1 | c | c | c | c | c | c | |
| 20 | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | c | |
| 21 | f4 | f2 | f3 | f2 | f3 | c1 | c2 | c2 | c1 | c1 | c1 | c | c | c | c | c | c1 | c2 | c2 | f1 | f2 | f2 | f1 | f1 | |
| 22 | f2 | f3 | f3 | f2 | f2 | c1 | c1 | c2 | c2 | c2 | c2 | c2 | c2 | c2 | c2 | c1 | c2 | c2 | c2 | c2 | f2 | f1 | f2 | f2 | |
| 23 | f1 | f2 | f1 | | | | c1 | c1 | c1 | c1 | c1 | c1 | c2 | c1 | c1 | | c2 | c2 | c2 | c2 | f2 | f2 | f3 | f3 | |
| 24 | c | f4 | f4 | f4 | f3 | f1 | c1 | c | c | c | c1 | c1 | c1 | c1 | f2 | f2 | f2 | c1 | c2 | c5 | f2 | f2 | f3 | f1 | |
| 25 | c | f2 | f2 | f1 | f1 | f1 | c1 | c1 | c2 | c2 | c | c1 | c2 | c1 | c2 | c2 | c1 | c1 | c2 | f3 | f1 | f3 | f2 | | |
| 26 | c | | | f2 | | c1 | c2 | c1 | c1 | c1 | c1 | c1 | | c1 | c1 | c2 | c2 | f1c1 | f1c1 | c1 | f3 | f2 | f2 | | |
| 27 | | f1 | f1 | f1 | f2 | | c1 | c1 | c1 | c1 | c1 | c | c | c | c | c | | c1 | c1 | f2 | f2 | f2 | f2 | f2 | |
| 28 | f2 | f4 | c | f2 | f2 | f1 | f2 | f1 | c2 f1 | c2 | c2 | c1 | c1 | c1 | c1 | c2 | c2 | c2 | c2 | c2 | f3 | f1 | f3 | f2 | |
| 29 | f2 | f2 | | f2 | f2 | f1 | c1 | c2 | c2 | c2 | c1 | c1 | c | c1 | c1 | c1 | c1 | c1 | f1 | | | f1 | f2 | | |
| 30 | f2 | f2 | f1 | f1 | | c | c1 | | | | c | c | c | c | c1 | c | | c1 | c1 | c2 | f2 | f2 | f2 | f2 | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Медiana | | | | | | | | | | | | | | | | | | | | | | | | |
| Учено | | | | | | | | | | | | | | | | | | | | | | | | |