

МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД



foF2 Мгц Ноябрь 1962г
(характеристика) (единицы) (месяц) (год)

Академия Наук КазССР
(институт)

Станция Алма-Ата
 Долгота 76°55'E широта 43°15'N

ИОНОСФЕРНЫЕ ДАННЫЕ
 поясное время 75°E

Кем составлена Милютинной
 Кем подсчитана Милютинной

| 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 | 3.2 | 3.3 | 3.4 | 3.1 | 3.0 | 3.3 | 3.0 | 5.8 | U7.4S | 7.4 | 7.1 | 10.0 | 9.0 | 8.0 | 7.1 | 6.9 | 6.5 | I5.8A | I5.0A | 4.2 | A | A | A | 4.0 | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 4.0 | 4.3 | 4.5 | 4.3 | 4.1V | U3.5N | 3.9 | N | U7.6S | A | A | I8.6A | A | A | C | 7.9 | U7.2S | 5.9 | 5.0 | 4.9 | U3.9S | 3.3 | 3.5 | U3.5N | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 3.8 | U4.0N | 4.2 | U4.5N | 4.4 | 4.4 | 3.5 | 6.6 | 7.8 | I8.2R | U9.2S | 7.9V | 9.9 | 8.8 | I8.9C | 9.0 | 7.3 | 5.0 | 4.0 | 4.4 | 4.3 | 3.9 | 4.5 | 4.8 | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 4.9 | 4.8 | 4.2 | 4.3 | 4.3 | 3.8 | 4.0 | I5.5S | U7.5S | 7.8 | 6.9 | 7.7 | 8.8 | 7.8 | 7.8 | 7.9 | 7.1 | 5.4 | 4.0 | 4.0 | 3.6 | 3.3 | 3.3 | 3.3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 3.4 | 3.2 | 3.0 | 2.7 | 3.0 | 2.8 | 4.2 | 6.7 | 7.3 | 7.5 | 8.2 | 9.0 | 8.2 | 9.4 | 7.3 | 7.4 | 7.9 | 5.9 | I3.7A | 3.0 | I3.3A | I3.2A | 3.2 | 3.4 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 2.9 | 2.7 | 2.7 | 2.8 | 2.9 | 2.8 | 3.2 | 5.8 | 7.1 | 8.4 | U8.2R | 7.4 | 9.8 | 9.7 | 7.6 | 8.8 | 8.0 | 6.3 | 4.2 | 4.1 | 3.8 | 3.3 | 2.9 | 3.2 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 3.3 | 3.4 | U3.6N | 4.1 | 3.7 | 3.9 | 3.5 | 5.9 | 6.7 | 8.5 | 7.6 | 7.9 | 10.3 | 8.1 | 7.6 | 7.8 | 7.3 | 4.9 | I4.5R | 3.9 | 3.3 | I2.8A | I3.0C | 3.2 | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 3.2 | 2.9 | 3.2 | 3.3 | 3.3 | 3.4 | 3.4V | 6.3 | 8.0 | 8.3 | 7.4 | 7.7 | 9.2 | 8.0 | 8.4 | 7.3 | 6.7 | 5.3 | 3.7 | 3.6 | 4.1 | 3.0 | 3.4 | 3.5 | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 3.8 | 3.7 | 3.9 | 3.9 | 4.0 | 3.9 | 4.0 | 6.4 | 7.3 | 7.8 | I7.6C | 7.6 | 9.0 | 8.5 | 7.9 | 8.3 | 6.8 | 4.9 | 3.4 | 4.1 | 3.1 | 3.3 | 3.7F | 4.1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | U3.8F | 4.2 | U4.2F | 4.2 | 4.0 | U4.2F | 3.5 | 6.2 | 7.5 | 6.8 | 6.9 | 8.1 | 8.8 | 8.3 | 7.3 | 7.5 | 6.7 | 4.5 | 3.2 | 3.5 | 3.3 | 3.1 | 3.2 | 3.3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 3.5 | 3.5 | 3.5 | 3.5 | 3.3 | 3.4 | 3.4 | 5.3 | 7.0 | 8.4 | 7.5V | 6.9 | 7.7 | 7.9 | 7.6 | 6.7 | 7.0 | 4.7 | 4.4 | 4.2 | 3.3 | 2.8 | 3.3 | 3.4 | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 3.4 | 3.5 | 3.1 | 3.2 | 3.2 | 3.3 | 3.3 | 6.0 | 7.4 | 7.7 | 6.9 | 7.5 | 7.8 | 7.6 | 7.4 | 5.7 | 6.4 | 5.3 | 4.4 | 4.1 | 3.0 | 2.9 | 3.0 | 3.3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 3.4 | I3.8S | 3.9 | U3.7S | 3.6 | 3.6 | 3.9 | 6.2 | 7.4 | 6.5 | 6.8 | 8.0 | 8.5 | 7.3 | 7.7 | 6.3 | 6.3 | 4.2 | 4.3 | 4.0 | 2.4 | 2.6 | 3.3 | 3.3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 3.5 | 3.5 | 3.7 | 3.6 | 3.5 | 3.3 | 2.6 | U5.5S | 6.1 | 7.0 | 7.6 | 9.5 | 9.6 | 7.5 | 7.0 | 6.4 | 5.9 | 4.9 | 3.5 | I3.1A | I2.8A | 2.7 | 2.7N | 3.1N | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 3.2 | 3.2 | 3.0 | 3.2 | 3.3 | 3.7 | 2.5 | U5.5S | 6.5 | 7.8 | 8.3 | 9.4 | 8.2 | 7.9 | 8.3 | 8.2 | 6.4 | 4.0 | 3.3 | 3.2 | 3.3 | 3.2 | 3.6 | 3.6 | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 2.4 | 2.5 | 2.8 | 2.6 | 2.6 | 2.2 | 3.0 | 5.6 | 6.3 | 7.6 | 8.8 | 10.3 | 9.3 | 8.0 | 8.0 | 8.0 | 6.5 | 5.6 | 4.8 | U5.3S | U4.4S | I3.3A | U3.1S | 3.4 | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | U4.3S | 4.5 | 4.9 | 5.1 | U5.3S | 4.4 | 4.5 | 5.4 | 6.8 | 7.8 | 7.5 | 8.2 | 7.7 | 7.3 | 7.1 | 6.8 | 6.1 | 4.4 | 4.2 | 3.5 | 3.0 | 3.3 | 3.5 | 3.3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 3.5 | 3.3 | 3.3 | 3.3 | 3.4 | 3.7 | U3.4N | 5.0 | 7.4 | 8.1 | U7.3R | 8.4 | 7.2 | 7.3 | 6.7 | 6.4 | 6.6 | 4.0 | 3.6 | 3.4 | 2.7 | 2.6 | 2.5 | 2.8 | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 3.0 | 3.3 | 3.3 | 3.3 | 3.3 | 3.5 | 3.0 | 4.8 | 6.0 | 6.6 | 6.2 | 9.0 | 7.7 | 6.8 | 7.3 | 6.7 | 5.4 | 3.7 | 4.0 | 3.8 | 3.3 | 3.0F | 3.3 | N | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 4.0 | U3.9F | U4.0N | U4.3N | U4.2N | U4.3N | 3.8 | U5.5S | U6.2S | 6.6 | 6.5 | 8.9 | 7.4 | 6.8 | 6.9 | 6.6 | 5.9 | 4.6 | 3.2 | 3.6 | 3.6 | 2.9 | 2.9 | 3.3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | U3.7F | U3.9F | U3.7F | 3.9N | U3.7N | U3.3N | U3.0F | 5.2 | U6.3S | 6.5 | 6.5 | 7.0 | 7.3 | 6.5 | 7.1 | 7.2 | 7.7 | 5.0 | 3.8 | 2.8 | 3.2 | 2.5 | 3.0 | 3.2 | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 3.3 | 3.0 | 3.4 | 3.2 | 3.4 | 3.4 | 3.2 | 5.7 | 6.7 | 7.1 | 8.7 | 8.1 | 7.7 | 7.7 | 6.9 | 7.0 | 5.8 | 5.0 | 4.3 | 4.3 | 3.5 | 2.8 | 2.8 | 3.3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 3.4 | 3.3 | 3.2 | 3.2 | 3.4 | 3.4 | 3.9 | 6.0 | 6.5 | 7.2 | 8.0 | 8.0 | 8.2 | 7.1 | 7.2 | 6.6 | 6.0 | 5.6 | 3.3 | I2.5A | 2.5 | 3.0 | 3.1 | 2.7 | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 3.0 | 3.0 | 3.1 | 3.1 | 3.2 | 3.2 | 2.9 | 4.8 | U6.5S | 6.9 | 7.2 | 7.7 | 7.4 | 7.0 | 6.6 | 6.7 | 5.5 | 4.3 | 3.6 | 2.6 | 2.9 | 2.4 | 2.9 | 3.1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 3.2 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.8 | 4.6 | U5.5S | 7.4 | 7.5 | 7.5 | 7.3 | 6.7 | 6.5 | 6.6 | 5.3 | 4.5 | 3.2 | 3.3 | 3.1 | 3.0 | 3.3 | 3.2 | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | 3.1 | 3.1 | 3.3 | 3.5 | 3.5 | 3.4 | 3.3 | 4.8 | 6.6 | 6.6 | 6.7 | 6.5 | 7.5 | 6.2 | 6.4 | 6.6 | 4.6 | 4.0 | 3.1 | 2.7 | 2.9 | 2.7 | 3.0 | 3.3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | 3.3 | 3.2 | 3.2 | 3.3 | 3.2 | 3.3 | 3.1 | 4.5 | 5.7 | 6.3 | 6.5 | I6.6C | 5.9 | 5.6 | 6.0 | 5.7 | 4.9 | 3.6 | 3.3 | 2.4 | 2.8 | 2.9 | 3.0 | 3.2 | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | 3.4 | 3.4 | 3.4 | 3.5 | 3.6 | 3.5 | 3.1 | 4.3 | 5.4 | U5.9S | 6.0 | 6.3 | 6.5 | 6.0 | 6.1 | 6.3 | 4.3 | 4.3 | 4.3 | 3.2 | 3.1 | 2.6 | 2.6 | 3.0 | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | 3.4 | 3.1 | 3.1 | 3.3 | 3.3 | 3.3 | 3.1 | 4.6 | U5.7S | 5.8 | 6.3 | 6.3 | 6.3 | 6.4 | 6.2 | 5.4 | 5.3 | 3.9 | 3.3 | 3.3 | 3.3 | 2.4 | U2.7R | 3.3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 3.5 | 3.5 | 3.6 | 3.5 | 3.5 | 2.9 | 2.6 | 4.0 | 5.0 | 5.8 | 6.7 | 7.7 | 6.7 | 6.8 | 6.9 | U6.2S | 6.2 | 3.6 | 3.4 | 3.5 | 3.8 | 3.3 | 3.0 | 3.6 | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Медиана | 3.2 | 3.7 | 3.1 | 3.8 | 3.1 | 3.9 | 3.2 | 3.9 | 3.2 | 3.7 | 3.3 | 3.7 | 3.0 | 3.8 | 4.8 | 6.0 | 6.2 | 7.4 | 6.6 | 7.8 | 6.7 | 7.8 | 7.5 | 8.6 | 7.4 | 9.0 | 6.5 | 8.0 | 6.8 | 7.6 | 6.4 | 7.8 | 5.8 | 7.0 | 4.8 | 5.3 | 3.3 | 4.3 | 3.2 | 4.1 | 3.0 | 3.6 | 2.7 | 3.3 | 2.9 | 3.3 | 3.2 | 3.4 |
| Учтено | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 30 | 29 | 29 | 30 | 29 | 29 | 29 | 30 | 30 | 30 | 30 | 30 | 29 | 29 | 29 | 29 | 29 | | | | | | | | | | | | | | | | | | | | | | | |
| | 0.5 | 0.7 | 0.8 | 0.7 | 0.5 | 0.4 | 0.8 | 1.2 | 1.2 | 1.2 | 1.1 | 1.1 | 1.6 | 1.2 | 0.8 | 1.4 | 1.2 | 1.1 | 1.0 | 0.9 | 0.6 | 0.6 | 0.4 | 0.2 | | | | | | | | | | | | | | | | | | | | | | | | |

Пробег частоты от 1.0 Мгц до 18.0 Мгц 20сек мин. Станция автоматическая
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД



ЮФ1 Мгц Ноябрь 1962г
(характеристика) (единицы) (месяц) (год)

Академия Наук Каз ССР
(институт)

Станция Алма-Ата

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Милютинной

Долгота 76°55'E широта 43°15'N

поясное время 75°E

Кем подсчитана Милютинной

| 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 | L | 3.9 | 3.9 | C | A | | | | | | | | |
| 2 | | | | | | | | | A | A | A | A | A | A | A | A | | | | | | | | |
| 3 | | | | | | | | | | L | L | A | L | L | C | | | | | | | | | |
| 4 | | | | | | | | | L | A | A | L | L | L | L | | | | | | | | | |
| 5 | | | | | | | | | | L | L | L | A | L | L | | | | | | | | | |
| 6 | | | | | | | | | | L | L | L | L | L | L | L | | | | | | | | |
| 7 | | | | | | | | | L | L | L | L | L | L | L | | | | | | | | | |
| 8 | | | | | | | | | L | L | L | A | L | L | L | | | | | | | | | |
| 9 | | | | | | | | | | L | L | L | L | L | L | 3.2 | | | | | | | | |
| 10 | | | | | | | | | | L | L | L | L | L | L | L | | | | | | | | |
| 11 | | | | | | | | | | L | L | L | L | L | L | 2.9 | | | | | | | | |
| 12 | | | | | | | | | L | L | L | 3.6 | L | L | L | | | | | | | | | |
| 13 | | | | | | | | | L | L | L | L | L | L | L | | | | | | | | | |
| 14 | | | | | | | | | L | L | L | L | L | L | L | | | | | | | | | |
| 15 | | | | | | | | | L | | L | L | L | L | L | | | | | | | | | |
| 16 | | | | | | | | | | L | A | A | L | A | L | | | | | | | | | |
| 17 | | | | | | | | | | L | L | L | L | L | L | | | | | | | | | |
| 18 | | | | | | | | | | L | L | L | L | L | L | | | | | | | | | |
| 19 | | | | | | | | | | L | L | L | L | L | L | | | | | | | | | |
| 20 | | | | | | | | | | | U4.0L | 3.9 | L | L | | | | | | | | | | |
| 21 | | | | | | | | | U2.9L | L | 3.4 | L | U3.8L | L | L | L | | | | | | | | |
| 22 | | | | | | | | | L | L | L | L | L | L | | | | | | | | | | |
| 23 | | | | | | | | | 2.6 | 2.9 | L | L | L | L | L | | | | | | | | | |
| 24 | | | | | | | | | | L | L | L | L | L | L | | | | | | | | | |
| 25 | | | | | | | | | L | L | L | L | L | L | L | | | | | | | | | |
| 26 | | | | | | | | | L | L | L | U3.7L | L | L | L | L | | | | | | | | |
| 27 | | | | | | | | | L | 3.3 | U3.4L | C | L | L | C | | | | | | | | | |
| 28 | | | | | | | | | | L | L | L | L | L | L | | | | | | | | | |
| 29 | | | | | | | | | L | 3.2 | | L | L | L | L | | | | | | | | | |
| 30 | | | | | | | | | | | L | L | L | U3.6L | L | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | |
| Медиана | | | | | | | | | 2.8 | 3.2 | U3.4L | U3.7L | U3.8L | 3.7 | | 3.0 | | | | | | | | |
| Учтено | | | | | | | | | 2 | 3 | 3 | 3 | 2 | 2 | | 2 | | | | | | | | |

Пробег частоты от 1.0 Мгц до 18.0 Мгц 20 сек мин.

Станция автоматическая
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД



ЮЕ Мгц Ноябрь 1962г
(характеристика) (единица) (месяц) (год)

Академия Наук Каз ССР
(институт)

Станция Алма-Ата

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Милютинной

Долгота 76°55'E широта 43°15'N

полное время 75°E

Кем подсчитана Милютинной

| Дни | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---------|----|----|----|----|----|----|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----|----|----|----|----|----|----|
| 1 | | | | | | | E | 1.70H | 2.10H | 2.70 | C | C | C | C | C | B | B | B | B | | | | | |
| 2 | | | | | | | | B | B | B | B | B | A | A | A | A | A | A | A | | | | | |
| 3 | | | | | | | 1.20 | 1.75 | U2.40A | U2.70A | A | A | A | A | C | 2.60 | A | A | A | | | | | |
| 4 | | | | | | E | E | 1.90H | 2.40 | A | A | 3.00 | 3.00 | 2.90 | I2.65A | U2.50R | A | A | A | | | | | |
| 5 | | | | | | | E | U1.70A | U2.25A | 2.70 | A | A | A | A | 2.55 | A | A | A | | | | | | |
| 6 | | | | | | | | 1.60 | 2.20 | 2.70 | 2.95 | 3.00 | 3.00 | 2.90 | 2.70 | I2.30A | A | A | A | | | | | |
| 7 | | | | | | | | 1.60H | 2.40 | 2.70 | A | A | A | A | A | U2.35A | U1.60A | A | A | | | | | |
| 8 | | | | | | | | 1.60 | A | A | A | A | A | A | A | 2.40 | A | E | E | | | | | |
| 9 | | | | | | | E | 1.60 | 2.20 | I2.55R | 2.90 | 3.00 | 3.00 | 2.90 | 2.80 | 2.50 | 1.90 | E | E | | | | | |
| 10 | | | | | | | E | A | A | I2.50A | 2.80 | 2.95 | 2.95 | 2.85 | 2.60 | U2.40A | 1.80 | A | | | | E | | |
| 11 | | | | | | | | A | 2.20 | I2.65A | 2.95 | 3.00 | 3.00 | 2.95 | 2.70 | U2.40R | U1.70A | A | | | | | | |
| 12 | | | | | | | | U1.50A | U2.40R | I2.60A | I2.80A | 2.95 | 3.00 | 2.85 | 2.55 | U2.30A | A | A | A | | | | | |
| 13 | | | | | | | E | A | 2.20 | 2.55 | 2.85 | 3.00 | 3.00 | 2.90 | U2.65A | U2.30A | A | A | | | | | | |
| 14 | | | | | | | E | 1.40 | 2.25 | 2.65 | 2.90 | 2.95 | 2.90 | 2.80 | A | A | A | A | A | | | | | |
| 15 | | | | | | E | A | A | A | A | A | U2.90A | U2.95A | U2.80A | U2.65A | U2.25A | A | E | | | | | | |
| 16 | | | | | | | E | A | A | A | A | A | A | A | 2.55 | I2.20A | A | A | E | | | | | |
| 17 | | | | | E | E | E | 1.50 | 2.25 | U2.55A | A | A | A | U2.85R | U2.60R | U2.30R | 1.70 | A | A | E | E | | | |
| 18 | | | | | | | E | 1.50 | 2.15 | 2.50 | 2.75 | 2.80 | 2.85 | 2.70 | I2.50A | 2.10H | 1.60 | A | | | | | | |
| 19 | | | | | | | E | 1.45 | I2.00A | 2.50 | 2.80 | 2.90 | 2.90 | 2.80 | I2.60A | 2.30 | 1.80 | A | | | | | | |
| 20 | | | | | | | E | A | 2.10 | I2.50A | 2.70 | 2.85 | 2.90 | 2.75 | I2.55A | 2.20 | A | A | A | | | | | |
| 21 | | | | | | | E | 1.30 | 2.10 | 2.50 | 2.80 | 2.80 | 2.80 | 2.70 | U2.55A | U2.20A | A | A | | | | | | |
| 22 | | | | | | E | E | 1.30 | A | A | 2.70 | 2.80 | A | A | 2.55 | U2.10A | A | A | E | E | | | | |
| 23 | E | E | E | E | E | E | E | 1.25 | A | A | 2.60 | 2.70 | I2.70A | A | A | A | A | A | | | | | | |
| 24 | | | | | | E | A | A | I2.05A | I2.40A | 2.75 | 2.80 | U2.80A | U2.70A | U2.55A | U2.20A | A | A | | | | | | |
| 25 | | | | | | E | A | A | I2.00A | I2.30A | 2.70 | 2.80 | I2.75A | 2.70 | 2.50 | U2.00A | A | E | E | | | | | |
| 26 | | | | | | | | A | A | I2.40A | 2.75 | 2.90 | 2.85 | 2.75 | A | A | A | A | | | | | | |
| 27 | | | | | | | A | A | A | 2.40 | 2.60 | I2.75C | 2.80 | 2.60 | A | A | A | A | | | | | | |
| 28 | | | | | | E | E | A | 1.95 | 2.35 | 2.65 | 2.70 | U2.70A | A | A | U2.10A | A | A | | | | | | |
| 29 | | E | E | | | | E | E | 1.90 | 2.40 | 2.60 | U2.70A | 2.75 | U2.65A | U2.45A | A | A | E | | | E | | | |
| 30 | | | | | E | E | E | E | 1.90H | 2.40 | 2.70 | 2.80 | 2.80 | I2.60A | 2.45 | A | A | A | A | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | |
| Медиана | E | E | E | E | E | E | E | 1.50 | 2.20 | 2.50 | 2.75 | 2.90 | 2.90 | 2.80 | 2.55 | 2.30 | 1.70 | E | E | E | E | E | | |
| Учтено | 1 | 2 | 2 | 1 | 3 | 8 | 20 | 18 | 21 | 23 | 20 | 22 | 21 | 20 | 20 | 21 | 7 | 5 | 4 | 2 | 2 | 1 | | |

Пробег частоты от 1.0 Мгц до 18.0 Мгц 20сек мш.

Станция автоматическая
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД



foEs Мгц Ноябрь 1962г
(характеристика) (единицы) (месяц) (год)

Академия Наук Каз ССР
(институт)

Станция Алма-Ата

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Милютчиной

Долгота 76°55'E широта 43°15'N

ноясное время 75°E

Кем подсчитана Милютчиной

| 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 | E1.3B | F | E | E | E | 6.7Y | G | G | 2.4 | 2.9 | G | G | 6.3 | 3.3 | 3.2 | 5.6 | B | 11.2 | 7.3 | 6.5H | 6.8 | 6.8 | 6.8 | 6.2 | |
| 2 | 4.2 | 3.6 | 3.8 | 3.2 | 2.1 | 4.0H | J3.1H | N | J6.1X | D11.0C | J9.8X | J11.3X | D20.0D | J16.3X | D7.0C | J6.6X | 3.3 | 3.5 | J2.7X | J3.3H | J2.4X | 1.9 | 2.1 | 1.3 | |
| 3 | 1.5 | E | J2.5X | 2.1 | 1.7 | E | G | G | 2.6 | 3.0 | 3.3 | 4.9 | 3.8 | J3.1X | C | 2.6 | 2.5 | J2.9X | 1.7 | J3.3X | J3.3X | 1.9 | 1.6 | J2.5X | |
| 4 | 2.2 | 2.2 | 2.1 | 1.6 | 2.2 | G | G | G | 2.4 | J6.3X | 6.1 | 2.9G | G | 2.9 | 2.9 | G | 2.2 | 2.0 | 2.0 | E | E1.2B | 1.6 | 1.4 | 1.3 | |
| 5 | J3.2X | J3.0X | 1.8 | 1.6 | 1.8 | 1.6 | J3.0X | 2.2 | 2.5 | 2.0G | 3.7 | 3.4 | J4.3X | 3.2 | 2.2G | 2.6 | J2.5X | J2.6X | J4.2X | J4.3X | J6.1H | J4.2H | J2.7X | J2.7X | |
| 6 | J2.3X | 1.7 | J2.6X | 1.5 | 1.6 | 1.5 | 1.6 | 1.6 | G | 2.8 | 3.3 | G | 3.6 | 2.4G | 3.3 | 2.8 | 2.2 | 1.8 | 1.6 | 1.5 | E1.2B | E | E | E | |
| 7 | J2.5X | J2.7X | J2.3X | 2.2 | E | E | E | G | G | G | 3.4 | J4.0X | 3.5 | 2.9 | 2.8 | 2.6 | 2.3 | J6.0Y | J5.3X | J3.3X | 1.8 | J4.8X | C | J2.6X | |
| 8 | J3.1X | E | J2.0X | 1.6 | 1.9 | E | E | G | 3.6 | J4.1X | 3.9 | J5.3X | J6.0X | J6.1Y | J3.3X | 3.3 | 2.3 | 2.3 | 1.7 | E1.3B | E | 1.3 | J2.2X | 1.8 | |
| 9 | E | E | E | 2.2 | E | 2.2Y | 1.7 | G | 2.0G | D2.3R | 2.6G | 3.0 | 3.3 | 1.8G | 1.9G | 2.3G | 1.8G | 1.6 | 3.2 | 3.3 | 2.6 | 1.8 | 1.7 | E | |
| 10 | 1.6 | E | E | E | E | 1.5 | 2.2 | 3.2 | 4.1 | J2.7X | 2.6G | G | G | G | 1.7G | 2.6 | 1.5G | 1.5 | E | E | 2.0 | G | E | E | |
| 11 | E | E | E | E | E | E | E | 1.9 | 2.2 | 3.3 | G | G | G | G | G | 1.5G | 2.1 | 2.0 | J3.3X | 2.2 | 2.1 | J2.7X | 1.5 | J2.3X | |
| 12 | J1.5X | 1.3 | 2.2 | 2.2 | E | E | E | 1.9 | G | 3.3 | 2.9 | G | G | G | G | 2.5 | 2.2 | J2.5X | 1.6 | E | E | E | E | E | |
| 13 | E | E | E | E | E | E | G | 2.2 | G | G | G | G | G | G | 3.0 | 3.0 | 2.2 | J2.8X | 2.1 | E | J4.9X | 2.2 | J1.7X | J2.5X | |
| 14 | E | E1.1B | E | E | E | E | G | G | 2.2G | 2.2G | G | G | G | G | 3.3H | 3.4 | J3.3X | J3.3X | J2.7X | J3.7X | J4.6X | J2.6X | E | E | |
| 15 | E | E | E | E | E | G | 1.6 | J4.2X | J2.8X | J3.3X | 3.3H | 3.6H | 3.7 | 3.5 | 3.2 | 3.4 | J2.8X | J3.0X | J2.5X | 1.7 | J2.0X | 1.6 | J1.8X | 4.3 | |
| 16 | J3.3X | J3.3X | J2.3X | 3.0H | E | J2.1X | 1.6 | 1.8 | J4.3X | J4.7X | 5.3 | 5.0 | 3.5 | J5.5X | 2.4G | 3.3Y | 2.0 | 1.3 | 2.3 | J2.5X | J3.3X | J3.3X | J2.8X | J2.6X | |
| 17 | 1.6 | E | E | E | G | G | G | G | 2.0G | 3.3 | J3.3X | 6.0Y | 3.8 | G | G | 2.0G | 1.4G | 1.6H | 1.4 | 1.6 | G | 1.6 | J2.1X | J2.3X | |
| 18 | 1.8 | E | E | 1.5 | E | 1.6 | 2.2 | 1.4G | J2.7X | G | G | G | G | G | 3.3Y | G | G | 1.4 | 4.0 | 2.4 | E | E | E | 2.3 | |
| 19 | 1.8 | 1.6 | E | E | 1.7 | E | 1.8 | G | 2.0 | G | G | 3.3 | 2.0G | 2.0G | 3.0 | 1.7G | 1.4G | 1.4 | E | E | E | E | E | E | |
| 20 | E | E | E | E | E | E | G | 1.9 | 2.0G | J2.6X | 2.5G | G | 2.4G | 2.0G | 3.3 | 1.7G | 1.9 | J2.7X | J1.6X | 2.2 | 1.6 | 1.5 | J2.5X | J1.5X | |
| 21 | E | 2.2 | E | E | E | E | G | G | G | G | G | 2.2G | G | 2.2G | 2.8 | 2.5 | 1.9 | 1.8 | E | J2.3X | E | E | E | E | |
| 22 | E | E | E | E | E | 1.7 | G | G | 2.0 | 3.4 | 3.3 | G | 3.4 | J3.3X | 1.7G | 2.4 | 2.1 | 2.0 | G | G | E | E | E | E | |
| 23 | G | G | G | G | G | G | G | G | 2.1 | J3.1X | 1.9G | 2.2G | 3.4 | 2.8 | 3.4H | J3.3X | J3.3X | 1.5 | 2.2 | J4.3X | J2.5X | E | 1.4 | E | |
| 24 | E1.2B | E | E | E | E | G | 1.6 | J2.3X | J3.3X | J3.3X | 2.2G | 3.2 | 3.0 | 3.0 | 2.9 | 2.7 | J2.6X | 1.4 | J2.6X | 2.2 | E | E | E | E | |
| 25 | E | E | E | E | E | E | G | J2.3X | 2.2 | 3.2 | G | G | 3.3 | G | G | 2.7 | J2.7X | G | J2.0X | 1.6 | J2.0X | E | J3.3X | 1.5 | |
| 26 | 2.3 | 1.9 | E | 1.3 | E | E | J3.0X | J3.2X | 2.3 | 3.3 | 3.4 | 2.8G | 3.0 | G | 3.2 | 2.9 | 2.2 | J2.7X | E | 1.7 | 2.7 | 2.3 | 2.2 | 2.3 | |
| 27 | J1.6X | E | E | E | E | 2.2 | J1.8X | J2.6X | 2.0 | J3.3X | 3.3H | C | G | J3.0X | 3.0 | 2.8 | 2.3 | 1.7 | 1.7 | E | E | E | E | E | |
| 28 | E | E | E | E | E | 2.2 | 2.6 | 1.7 | G | 2.0G | G | 2.1G | 3.0 | J3.3X | 2.6 | 2.5 | 1.7 | J2.6X | J2.5X | J2.0X | 2.3 | E | E | 2.3 | |
| 29 | 2.2 | G | G | E | E | E | G | G | G | 2.2G | 2.2G | 3.2 | 1.9G | 3.0 | 2.8 | 2.3 | 1.7 | G | E | E | G | E | E1.2B | E | |
| 30 | E | E | E | E | G | G | G | G | G | 2.5 | 2.3G | G | 3.2 | 2.9 | G | 2.9 | 3.3 | 2.9 | 1.8 | E | 1.8 | E | E1.2B | E | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Медiana | E 2.2 | E 1.7 | E 2.0 | E 1.6 | E G | E 1.6 | G 1.8 | G 2.2 | G 2.6 | 2.2G 3.3 | G 3.3 | G 3.4 | G 3.6 | G 3.2 | 1.8 3.2 | 2.3 3.0 | 1.8 2.6 | 1.5 2.8 | 1.6 2.7 | E 3.3 | E 2.6 | E 2.0 | E 2.2 | E 2.3 | |
| Учтено | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 30 | 30 | 30 | 29 | 30 | 30 | 29 | 30 | 29 | 30 | 30 | 30 | 30 | 29 | 29 | 30 | |
| | - | - | - | - | - | - | - | - | - | 1.1 | - | - | - | - | 1.4 | 0.7 | 0.8 | 1.3 | 1.1 | - | - | - | - | - | |

Пробег частоты от 1.0 Мгц до 18.0 Мгц 20сек мин. Станция автоматическая
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД



FB's Мгц Ноябрь 1962г
(характеристика) (единицы) (месяц) (год)

Академия Наук КазССР
(институт)

Станция Алма-Ата

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Милютиной

Долгота 76°55'E широта 43°15'N

поясное время 75°E

Кем подсчитана Милютиной

| 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 | E1.3B | F | E | E | E | 1.2 | G | G | 2.4 | G | G | G | C | C | C | 4.2 | B | A | A | 3.6 | A | A | A | 2.0 |
| 2 | 2.0 | 2.0 | 2.3 | 2.0 | 1.5 | 1.9 | 1.7 | N | 5.7 | A | A | A | A | A | 4.7 | 5.0 | 3.0 | 3.0 | 2.0 | 2.0 | 1.3 | 1.3 | 1.8 | 1.3 |
| 3 | 1.4 | E | 1.6 | 2.0 | E | E | G | G | 2.6 | 3.0 | 3.2 | 3.9 | 3.2 | 3.0 | C | 2.6 | 2.4 | 2.6 | 1.6 | 3.0 | 3.2 | 1.8 | 1.5 | 2.0 |
| 4 | 1.5 | 1.5 | 1.4 | 1.4 | 1.3 | G | G | G | 2.4 | 6.0 | 6.0 | 2.9G | G | 2.7G | 2.7 | G | 2.2 | 2.0 | 2.0 | E | E1.2B | 1.6 | 1.4 | 1.3 |
| 5 | 1.4 | 1.2 | 1.3 | 1.3 | E | 1.4 | 1.9 | 2.0 | 2.5 | 2.0G | 3.2 | 3.0 | 4.0 | 3.0 | 2.2G | 2.6 | 2.0 | 1.9 | A | 2.0 | A | A | 1.9 | 1.3 |
| 6 | 1.5 | 1.4 | 2.0 | E | E | E | E | 1.3G | G | G | G | G | 3.0 | 2.0G | 2.4G | 2.5 | 1.8 | 1.3 | 1.5 | 1.4 | E1.2B | E | E | E |
| 7 | 2.3 | E | E | E | E | E | E | G | G | G | 2.9 | 3.2 | 3.1 | 2.9 | 2.8 | 2.6 | 2.0 | 1.4 | 1.5 | 1.3 | 1.3 | A | C | 1.7 |
| 8 | 2.3 | E | 1.5 | 1.3 | 1.6 | E | E | G | 2.6 | 3.9 | 3.8 | 4.7 | 3.5 | 3.0 | 2.7 | 2.0G | 2.3 | 2.1 | 1.4 | E1.3B | E | 1.3 | 1.4 | 1.3 |
| 9 | E | E | E | 1.3 | E | 1.2 | G | G | 2.0G | D2.3R | 2.6G | 3.0 | 3.2 | 1.8G | 1.9G | 2.3G | 1.8G | G | 2.0 | E | E | E | E | E |
| 10 | 1.4 | E | E | E | E | E | G | 2.2 | 3.0 | 2.6 | 2.6G | G | G | G | 1.7G | 2.6 | 1.3G | 1.5 | E | E | 1.3 | G | E | E |
| 11 | E | E | E | E | E | E | E | 1.7 | 2.2 | 2.7 | G | G | G | G | G | 1.5G | 2.0 | 1.3 | 1.5 | E | E | 1.3 | E | E |
| 12 | 1.2 | E | E | E | E | E | E | 1.9 | G | 2.8 | 2.9 | G | G | G | G | 2.5 | 2.0 | 2.0 | 1.4 | E | E | E | E | E |
| 13 | E | E | E | E | E | E | G | 2.0 | G | G | G | G | G | G | 2.9 | 2.7 | 2.0 | 2.6 | 1.9 | E | 2.1 | E | E | E |
| 14 | E | E1.1B | E | E | E | E | G | G | 2.0G | 2.2G | G | G | G | G | 2.7 | 2.6 | 2.0 | 2.6 | 2.2 | A | A | 1.6 | E | E |
| 15 | E | E | E | E | E | G | 1.2 | 3.7 | 2.6 | 2.6 | 3.3 | 3.6 | 3.6 | 3.4 | 3.2 | 3.0 | 2.4 | 2.1 | 1.6 | 1.7 | 1.7 | 1.4 | 1.5 | 2.0 |
| 16 | 1.3 | 1.4 | 1.4 | 1.9 | E | 1.5 | G | 1.8 | 2.8 | 4.0 | 4.5 | 4.5 | 3.3 | 5.3 | 2.4G | 2.4 | 1.9 | 1.3 | G | 2.0 | 2.5 | A | 2.0 | 1.6 |
| 17 | E | E | E | E | G | G | G | G | 2.0G | 2.7 | 2.9 | 3.1 | 3.0 | G | G | 2.0G | 1.4G | 1.4 | 1.4 | G | G | E | 1.8 | 1.8 |
| 18 | 1.7 | E | E | E | E | E | 1.2 | 1.4G | 2.0G | G | G | G | G | G | 2.6 | G | G | 1.2 | 2.6 | 1.6 | E | E | E | 1.4 |
| 19 | 1.6 | 1.4 | E | E | 1.3 | E | 1.4 | G | 2.0 | G | G | 3.3 | 2.0G | 2.0G | 2.9 | 1.7G | 1.4G | 1.4 | E | E | E | E | E | E |
| 20 | E | E | E | E | E | E | G | 1.4 | 2.0G | 2.5 | 2.5G | G | 2.4G | 2.0G | 2.8 | 1.7G | 1.9 | 1.3 | 1.5 | E | E | 1.2 | 1.5 | 1.2 |
| 21 | E | E | E | E | E | E | G | G | G | G | G | 2.2G | G | 2.0G | 2.8 | 2.4 | 1.9 | 1.6 | E | 1.3 | E | E | E | E |
| 22 | E | E | E | E | E | E | G | G | G | 2.0 | 2.9 | 2.4G | G | 3.1 | 2.9 | 1.7G | 2.4 | 1.9 | 1.4 | G | G | E | E | E |
| 23 | G | G | G | G | G | G | G | G | 2.0 | 2.4 | 1.9G | 2.0G | 3.0 | 2.8 | 2.8 | 2.6 | 2.0 | 1.4 | E | A | 1.3 | E | 1.4 | E |
| 24 | E1.2B | E | E | E | E | G | 1.2 | 1.3 | 2.4 | 2.9 | 2.1G | 2.6G | 3.0 | 3.0 | 2.9 | 2.6 | 2.4 | 1.4 | 2.0 | 1.3 | E | E | E | E |
| 25 | E | E | E | E | E | E | G | 1.8 | 2.0 | 3.0 | G | G | 3.1 | G | G | 2.4 | 1.8 | G | 1.4 | 1.4 | 1.4 | E | E | E |
| 26 | E | 1.4 | E | E | E | E | 1.3 | 1.8 | 2.0 | 3.2 | 3.2 | 2.8G | 2.4G | G | 3.0 | 2.6 | 2.0 | 1.3 | E | 1.5 | 1.4 | 1.6 | 1.4 | 1.4 |
| 27 | E | E | E | E | E | E | 1.7 | 1.6 | 2.0 | 2.0G | G | C | G | 1.8G | 3.0 | 2.8 | 2.2 | 1.5 | 1.3 | E | E | E | E | E |
| 28 | E | E | E | E | E | G | G | 1.2 | G | 2.0G | G | 2.1G | 3.0 | 2.9 | 2.6 | 2.4 | 1.7 | 2.0 | 1.2 | E | 1.6 | E | E | E |
| 29 | 1.4 | G | G | E | E | E | G | G | G | 2.0G | 2.0G | 3.2 | 1.9G | 2.9 | 2.7 | 2.3 | 1.7 | G | E | E | G | E | E1.2B | E |
| 30 | E | E | E | E | G | G | G | G | G | G | 2.1G | G | 3.0 | 2.9 | G | 2.9 | 2.8 | 2.6 | 1.7 | E | E | E | E1.2B | E |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | |
| Медиана | E | E | E | E | E | E | G | 1.2 | 2.0 | 2.4 | 2.3G | 2.2G | 3.0 | 2.0G | 2.7 | 2.5 | 2.0 | 1.4 | 1.5 | 1.3 | G | E | E | E |
| Учтено | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 30 | 30 | 30 | 29 | 29 | 29 | 28 | 30 | 29 | 30 | 30 | 30 | 30 | 30 | 29 | 30 |

Пробег частоты от 1.0 Мгц до 18.0 Мгц 20сек итп.

Станция автоматическая
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД



Станция Алма-Ата
 (характеристика) (единицы) (месяц) (год)
 Мгц Ноябрь 1962г.

Академия Наук КазССР
 (институт)

Долгота 76°55' E широта 43°15' N

ИОНОСФЕРНЫЕ ДАННЫЕ
 поясное время 75° E

Кем составлена Милютиной
 Кем подсчитана Милютиной

| 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 | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.2 | 1.3 | C | C | C | C | C | 2.8 | 3.5 | 2.9 | 2.0 | 1.4 | 1.3 | 1.0 | 1.0 | 1.0 |
| 2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.6 | 2.9 | 3.0 | 3.0 | 2.0 | 1.5 | 1.3 | 1.5 | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.2 | 1.2 | 2.0 | 1.5 | 2.0 | 2.0 | 2.0 | C | 1.2 | 1.2 | 1.0 | 1.0 | 1.2 | 1.0 | 1.0 | 1.0 | 1.0 |
| 4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.4 | 1.5 | 2.0 | 2.0 | 2.0 | 2.0 | 1.6 | 1.2 | 1.0 | 1.0 | 1.0 | 1.2 | 1.0 | 1.0 | 1.0 |
| 5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.3 | 1.3 | 1.4 | 2.0 | 1.5 | 1.3 | 1.0 | 1.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 6 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.4 | 1.4 | 1.3 | 1.4 | 1.4 | 1.3 | 1.3 | 1.2 | 1.0 | 1.0 | 1.0 | 1.2 | 1.0 | 1.0 | 1.0 |
| 7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.4 | 1.5 | 1.2 | 1.3 | 1.5 | 1.2 | 1.0 | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | C | 1.0 |
| 8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.2 | 1.4 | 1.9 | 2.0 | 2.0 | 1.6 | 1.5 | 1.0 | 1.3 | 1.0 | 1.0 | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 |
| 9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.0 | 1.3 | 2.0 | 1.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 10 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.2 | 1.2 | 1.3 | 1.3 | 1.4 | 1.4 | 1.3 | 1.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 11 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.5 | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 12 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.5 | 1.8 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.8 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 13 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.4 | 2.0 | 2.0 | 2.0 | 1.5 | 2.0 | 2.0 | 2.0 | 1.8 | 1.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 14 | 1.0 | 1.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.4 | 1.3 | 1.3 | 1.7 | 1.9 | 2.0 | 2.0 | 1.7 | 1.5 | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 15 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.4 | 1.4 | 1.4 | 1.4 | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 16 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.4 | 1.4 | 1.5 | 1.5 | 1.4 | 1.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 17 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.4 | 1.4 | 1.3 | 1.4 | 1.5 | 1.5 | 1.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 18 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.2 | 1.3 | 1.4 | 1.6 | 1.5 | 1.4 | 1.4 | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 19 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.2 | 1.2 | 1.3 | 1.4 | 1.4 | 1.3 | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 20 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.2 | 1.3 | 1.4 | 1.3 | 1.4 | 1.2 | 1.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 21 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.3 | 1.5 | 1.3 | 1.3 | 1.5 | 1.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 22 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.2 | 1.4 | 1.3 | 1.3 | 1.3 | 1.3 | 1.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 23 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.2 | 1.4 | 1.4 | 1.2 | 1.5 | 1.4 | 1.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 24 | 1.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.4 | 1.3 | 1.3 | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 25 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 26 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.4 | 1.3 | 1.5 | 1.4 | 1.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 27 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.8 | C | 1.5 | 0.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 28 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.2 | 1.3 | 1.4 | 1.3 | 1.4 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 29 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.3 | 1.4 | 1.3 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.2 | 1.0 |
| 30 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.4 | 1.0 | 1.4 | 1.4 | 1.3 | 1.4 | 1.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.2 | 1.0 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | |
| Медиана | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.1 | 1.3 | 1.4 | 1.4 | 1.4 | 1.5 | 1.4 | 1.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Учтено | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 28 | 29 | 29 | 28 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 | 30 |

Пробег частоты от 1.0 Мгц до 18.0 Мгц 20сек мин.

Станция автоматическая
 (ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД



(M3000)F2 Ноябрь 1962г
(характеристика) (единицы) (месяц) (год)

Академия Наук КазССР
(институт)

Станция Алма-Ата

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Милютинной

Долгота 76°55'E широта 43°15'N

поясное время 75°E

Кем подсчитана Милютинной

| 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 | 2.90 | 2.90 | 3.15 | 3.00 | 2.95 | 3.25 | 3.10 | 3.55 | U3.55S | 3.45 | 3.45 | 3.40 | 3.50 | 3.25 | 3.20 | 3.10 | 3.50 | A | A | A | A | A | A | 2.90 |
| 2 | 2.95 | 2.85 | 3.00 | 2.85 | 3.20V | U3.10M | 3.10 | N | U3.45S | A | A | A | A | A | C | 3.45 | U3.45S | 3.40 | 3.30 | 3.30 | U3.25S | 3.55 | 2.85 | N |
| 3 | 3.05 | U3.05N | 2.90 | U2.90M | 2.90 | 3.45 | 3.10 | 3.45 | 3.75 | R | U3.50S | 3.05V | 3.25 | 3.40 | C | 3.40 | 3.65 | 3.30 | 3.25 | 3.15 | 3.30 | 2.80 | 2.90 | 2.85 |
| 4 | 3.10 | 3.05 | 3.00 | 2.90 | 3.25 | 2.90 | 3.30 | S | U3.40S | 3.40 | A | 3.30 | 3.40 | 3.40 | 3.40 | 3.40 | 3.65 | 3.50 | 3.05 | 3.30 | 3.25 | 3.15 | 2.90 | 2.95 |
| 5 | 2.95 | 2.90 | 2.95 | 2.95 | 3.05 | 3.20 | 3.40 | 3.45 | 3.50 | 3.55 | 3.45 | 3.40 | 3.35 | 3.35 | 3.45 | 3.20 | 3.45 | 3.45 | A | 3.00 | A | A | 3.00 | 3.20 |
| 6 | 3.20 | 3.20 | 2.95 | 2.90 | 2.90 | 3.00 | 3.35 | 3.45 | 3.50 | 3.60 | U3.50R | 3.05 | 3.15 | 3.35 | 3.25 | 3.35 | 3.45 | 3.30 | 3.10 | 3.25 | 3.35 | 3.45 | 3.05 | 3.00 |
| 7 | 2.90 | 2.80 | U2.90M | 3.00 | 2.80 | 3.10 | 3.20 | 3.60 | 3.65 | 3.15 | 3.60 | 3.30 | 3.30 | 3.30 | 3.45 | 3.30 | 3.55 | 3.45 | R | 3.40 | 3.40 | A | C | 3.10 |
| 8 | 3.20 | 2.85 | 2.90 | 2.95 | 3.05 | 3.15 | 3.25V | 3.45 | 3.65 | 3.45 | 3.50 | 3.15 | 3.20 | 3.40 | 3.40 | 3.40 | 3.65 | 3.50 | 3.10 | 3.00 | 3.40 | 3.10 | 3.00 | 3.00 |
| 9 | 3.10 | 3.00 | 2.95 | 2.90 | 2.95 | 3.00 | 3.15 | 3.60 | 3.60 | 3.50 | C | 3.15 | 3.40 | 3.40 | 3.40 | 3.40 | 3.55 | 3.55 | 3.15 | 3.40 | 3.30 | 3.25 | 2.85F | 2.90 |
| 10 | U3.05F | 3.05 | U2.90F | 3.10 | 3.25 | U3.30F | 3.20 | 3.35 | 3.65 | 3.60 | 3.50 | 3.35 | 3.20 | 3.35 | 3.40 | 3.50 | 3.40 | 3.50 | 3.20 | 3.35 | 3.45 | 3.15 | 3.20 | 3.00 |
| 11 | 2.95 | 2.90 | 3.00 | 2.95 | 3.00 | 3.25 | 3.25 | 3.55 | 3.45 | 3.50 | 3.55V | 3.45 | 3.30 | 3.35 | 3.55 | 3.25 | 3.65 | 3.25 | 3.20 | 3.40 | 3.35 | 2.90 | 2.85 | 3.15 |
| 12 | 3.00 | 3.15 | 3.00 | 2.95 | 2.85 | 3.15 | 3.30 | 3.65 | 3.60 | 3.60 | 3.60 | 3.35 | 3.45 | 3.30 | 3.40 | 3.50 | 3.40 | 3.65 | 3.25 | 3.55 | 3.50 | 3.15 | 3.15 | 3.05 |
| 13 | 3.00 | S | 2.90 | U3.00S | 3.00 | 3.30 | 3.30 | 3.55 | 3.70 | 3.65 | 3.40 | 3.35 | 3.30 | 3.45 | 3.40 | 3.45 | 3.65 | 3.35 | 3.40 | 3.65 | A | 2.90 | 3.05 | 3.00 |
| 14 | 2.85 | 3.00 | 3.00 | 3.05 | 3.20 | 3.45 | 3.40 | U3.65S | 3.60 | 3.60 | 3.45 | 3.45 | 3.20 | 3.15 | 3.55 | 3.40 | 3.50 | 3.45 | 3.45 | A | A | 3.25 | 3.20N | 3.30N |
| 15 | 2.70 | 2.80 | 2.90 | 2.90 | 3.05 | 3.65 | 3.30 | U3.55S | 3.40 | 3.40 | 3.45 | 3.40 | 3.45 | 3.20 | 3.30 | 3.40 | 3.50 | 3.15 | 3.10 | 2.80 | 3.15 | 2.80 | 3.05 | 2.60 |
| 16 | 2.95 | 2.70 | 2.80 | 2.70 | 2.70 | 2.85 | 3.35 | 3.45 | 3.40 | 3.25 | 3.20 | 3.25 | 3.30 | 3.30 | 3.20 | 3.40 | 3.45 | 3.25 | 3.20 | U3.20S | U3.40S | A | U2.95S | 3.20 |
| 17 | U2.75S | 2.85 | 2.75 | 2.90 | U3.05S | 3.45 | 3.00 | 3.40 | 3.45 | 3.45 | 3.45 | 3.50 | 3.40 | 3.40 | 3.45 | 3.35 | 3.45 | 3.40 | 3.40 | 3.60 | 3.55 | 3.05 | 3.10 | 2.75 |
| 18 | 3.05 | 2.95 | 2.95 | 2.95 | 3.10 | 3.25 | U3.40M | 3.45 | 3.55 | 3.65 | U3.65R | 3.45 | 3.55 | 3.45 | 3.60 | 3.55 | 3.55 | 3.50 | 3.25 | 3.60 | 3.45 | 3.50 | 3.10 | 3.00 |
| 19 | 2.80 | 2.80 | 2.80 | 3.05 | 3.05 | 3.30 | 3.40 | 3.50 | 3.70 | 3.65 | 3.40 | 3.25 | 3.50 | 3.40 | 3.50 | 3.35 | 3.60 | 3.20 | 3.30 | 3.40 | 3.30 | 3.20F | 2.90 | N |
| 20 | 2.95 | U3.15F | U2.90M | U2.90M | U2.95M | U3.20M | 3.20 | U3.55S | U3.70S | 3.55 | 3.40 | 3.30 | 3.50 | 3.10 | 3.30 | 3.60 | 3.60 | 3.50 | 3.00 | 3.40 | 3.10 | 3.60 | 3.05 | 2.80 |
| 21 | U3.05F | U3.05F | U2.80F | 2.80M | U2.90M | U2.75N | U2.90F | 3.40 | U3.60S | 3.50 | 3.50 | 3.25 | 3.35 | 3.45 | 3.30 | 3.35 | 3.60 | 3.25 | 3.40 | 3.25 | 3.20 | 2.80 | 2.80 | 2.90 |
| 22 | 2.95 | 2.75 | 2.80 | 2.85 | 3.05 | 3.40 | 3.00 | 3.30 | 3.55 | 3.25 | 3.40 | 3.30 | 3.40 | 3.35 | 3.35 | 3.50 | 3.45 | 3.15 | 3.15 | 3.30 | 3.30 | 2.90 | 2.80 | 2.90 |
| 23 | 3.00 | 3.00 | 2.80 | 2.80 | 2.95 | 2.95 | 3.15 | 3.45 | 3.45 | 3.40 | 3.40 | 3.35 | 3.40 | 3.35 | 3.35 | 3.35 | 3.30 | 3.45 | 3.50 | A | 3.05 | 3.05 | 3.10 | 2.85 |
| 24 | 2.85 | 2.95 | 2.95 | 2.95 | 3.05 | 3.15 | 3.30 | 3.40 | U3.55S | 3.40 | 3.45 | 3.40 | 3.30 | 3.50 | 3.55 | 3.40 | 3.60 | 3.40 | 3.40 | 3.55 | 3.30 | 2.95 | 2.85 | 2.80 |
| 25 | 3.05 | 3.15 | 2.95 | 2.95 | 2.95 | 3.20 | 3.00 | 3.55 | U3.65S | 3.35 | 3.45 | 3.50 | 3.40 | 3.50 | 3.65 | 3.70 | 3.40 | 3.20 | 3.60 | 3.40 | 3.30 | 3.20 | 2.80 | 3.00 |
| 26 | 3.10 | 2.85 | 2.90 | 3.05 | 3.15 | 3.35 | 3.10 | 3.35 | 3.60 | 3.55 | 3.45 | 3.45 | 3.45 | 3.55 | 3.45 | 3.65 | 3.70 | 3.40 | 3.40 | 3.30 | 3.40 | 3.40 | 3.40 | 3.30 |
| 27 | 3.00 | 3.10 | 2.90 | 3.00 | 3.05 | 3.25 | 3.25 | 3.45 | 3.65 | 3.35 | 3.40 | C | 3.50 | 3.45 | C | 3.65 | 3.65 | 3.25 | 3.40 | 3.30 | 3.40 | 3.20 | 3.05 | 2.80 |
| 28 | 2.95 | 3.10 | 2.95 | 2.95 | 3.10 | 3.20 | 3.20 | 3.50 | 3.50 | U3.65S | 3.60 | 3.50 | 3.45 | 3.40 | 3.40 | 3.55 | 3.45 | 3.15 | 3.55 | 3.65 | 3.30 | 3.35 | 2.80 | 2.90 |
| 29 | 3.20 | 3.00 | 3.00 | 2.95 | 2.95 | 3.25 | 3.25 | 3.50 | U3.65S | 3.60 | 3.40 | 3.45 | 3.40 | 3.35 | 3.45 | 3.50 | 3.40 | 3.65 | 3.00 | 3.30 | 3.40 | 3.50 | U2.80R | 2.90 |
| 30 | 3.10 | 2.95 | 2.90 | 3.05 | 3.35 | 3.50 | 3.35 | 3.55 | 3.75 | 3.10 | 3.15 | 3.40 | 3.45 | 3.35 | 3.60 | U3.55S | 3.40 | 3.50 | 3.05 | 3.10 | 3.15 | 3.45 | 2.85 | 3.05 |
| 31 | 2.95 | 3.05 | 2.85 | 2.90 | 2.95 | 3.10 | 3.10 | 3.30 | 3.45 | 3.55 | 3.50 | 3.40 | 3.30 | 3.45 | 3.30 | 3.40 | 3.35 | 3.50 | 3.35 | 3.50 | 3.45 | 3.60 | 3.25 | 3.10 |
| Медиана | 3.00 | 2.95 | 2.90 | 2.95 | 3.05 | 3.20 | 3.25 | 3.50 | 3.60 | 3.50 | 3.45 | 3.35 | 3.40 | 3.35 | 3.40 | 3.40 | 3.50 | 3.40 | 3.25 | 3.30 | 3.30 | 3.20 | 3.00 | 3.00 |
| Учтено | 30 | 29 | 30 | 30 | 30 | 30 | 30 | 28 | 30 | 28 | 27 | 28 | 29 | 29 | 27 | 30 | 30 | 29 | 27 | 27 | 26 | 26 | 28 | 28 |
| | 0.10 | 0.20 | 0.05 | 0.10 | 0.15 | 0.20 | 0.20 | 0.10 | 0.15 | 0.20 | 0.10 | 0.15 | 0.15 | 0.10 | 0.15 | 0.15 | 0.15 | 0.25 | 0.30 | 0.15 | 0.15 | 0.45 | 0.25 | 0.15 |

Пробер частоты от 1.0 Мгц до 18.0 Мгц 20сек итп.

Станция автоматическая
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД



(M3000)F1 Ноябрь 1962г
(характеристика) (единицы) (месяц) (год)

Академия Наук Каз ССР
(институт)

Станция Алма-Ата

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Милютинной

Долгота 76°55'E широта 43°15'N

поясное время 75°E

Кем подсчитана Милютинной

| 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 | L | C | C | C | A | | | | | | | | |
| 2 | | | | | | | | | A | A | A | A | A | A | A | A | | | | | | | | |
| 3 | | | | | | | | | | L | L | A | L | L | C | | | | | | | | | |
| 4 | | | | | | | | | L | A | A | L | L | L | L | | | | | | | | | |
| 5 | | | | | | | | | | L | L | L | A | L | L | | | | | | | | | |
| 6 | | | | | | | | | | L | L | L | L | L | L | L | | | | | | | | |
| 7 | | | | | | | | | L | L | L | L | L | L | L | | | | | | | | | |
| 8 | | | | | | | | | L | L | L | A | L | L | L | | | | | | | | | |
| 9 | | | | | | | | | | L | L | L | L | L | L | C | | | | | | | | |
| 10 | | | | | | | | | | L | L | L | L | L | L | L | | | | | | | | |
| 11 | | | | | | | | | | L | L | L | L | L | L | 4.35 | | | | | | | | |
| 12 | | | | | | | | | L | L | L | 4.15 | L | L | L | | | | | | | | | |
| 13 | | | | | | | | | L | L | L | L | L | L | L | | | | | | | | | |
| 14 | | | | | | | | | L | L | L | L | | L | L | | | | | | | | | |
| 15 | | | | | | | | | L | | L | L | L | L | L | | | | | | | | | |
| 16 | | | | | | | | | | L | A | A | L | A | L | | | | | | | | | |
| 17 | | | | | | | | | | L | L | L | L | L | | | | | | | | | | |
| 18 | | | | | | | | | | L | L | L | L | L | L | | | | | | | | | |
| 19 | | | | | | | | | | L | L | L | L | L | L | | | | | | | | | |
| 20 | | | | | | | | | | | U375L | 3.75 | L | L | | | | | | | | | | |
| 21 | | | | | | | | | U4.00L | L | 4.40 | L | U4.05L | L | L | L | | | | | | | | |
| 22 | | | | | | | | | L | L | L | L | L | L | | | | | | | | | | |
| 23 | | | | | | | | | 4.25 | 4.00 | L | L | L | L | L | | | | | | | | | |
| 24 | | | | | | | | | | L | L | L | L | L | L | | | | | | | | | |
| 25 | | | | | | | | | L | L | L | L | L | L | L | | | | | | | | | |
| 26 | | | | | | | | | L | L | L | U4.30L | L | L | L | L | | | | | | | | |
| 27 | | | | | | | | | L | 4.50 | U3.95L | C | L | L | C | | | | | | | | | |
| 28 | | | | | | | | | | L | L | L | L | L | L | | | | | | | | | |
| 29 | | | | | | | | | L | 4.40 | | L | L | L | L | | | | | | | | | |
| 30 | | | | | | | | | | | L | L | L | U4.00L | L | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | |
| Медиана | | | | | | | | | 4.10 | 4.40 | U3.95L | 4.15 | U4.05L | U4.00L | | 4.35 | | | | | | | | |
| Учтено | | | | | | | | | 2 | 3 | 3 | 3 | 1 | 1 | | 1 | | | | | | | | |

Пробег частоты от 1.0 Мгц до 18.0 Мгц 20 сек мин.

Станция автоматическая
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД



RF Км Ноябрь 1962г
(характеристика) (единицы) (месяц) (год)

Академия Наук Каз ССР
(институт)

Станция Алма-Ата

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Милютчиной

Долгота 76°55'E широта 43°15'N

полное время 75°E

Кем подсчитана Милютчиной

| 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 | E235B | E245E | E225E | E225E | 245 | 210 | 230 | 200 | 210 | 195 | 200 | 200 | 200 | 205 | 220 | I210A | 210 | A | A | A | A | A | A | A | |
| 2 | E300A | E290A | E260A | E240A | 225 | A | E250A | N | A | A | A | A | A | A | A | A | 210 | E210A | E210A | E225A | 210 | 200 | E300A | E230A | |
| 3 | 240 | 240 | E245A | E225A | E230E | 195 | 245 | 220 | 200 | 230B | 205 | I215A | 200 | 200 | I210C | 215 | 200 | E200A | E205A | E250A | A | E250A | E250A | E255A | |
| 4 | E225A | E240A | E210A | E250A | E225A | 245 | 200 | 200 | 210B | A | A | 170 | 240B | 215 | 220 | 215 | 200 | 190 | E240A | 215 | 215 | E240A | E270A | E250A | |
| 5 | E270A | E260A | E255A | E250A | E230E | 200 | 215 | 215 | 210 | 210 | E210A | 185 | I200A | 205 | 210B | 210 | 205 | 200 | A | E250A | A | A | E275A | E240A | |
| 6 | E210A | E220A | A | E250E | E260E | E245E | 210 | 205 | 185 | 210 | 195 | 170 | 190 | 210 | 205 | 230B | 200 | 185 | E225A | E225A | E205B | E195E | E220E | E235E | |
| 7 | A | E290E | E250E | E250E | E250E | E215E | 200 | 200 | 205B | 200 | 195 | 190 | 180 | 185 | 210 | 205 | 205 | 200 | E220A | E210A | E210A | A | C | E250A | |
| 8 | E250A | E250E | E265A | E250A | E250A | E200E | 210 | 205 | 205 | I200A | I200A | I200A | I205A | I205A | 220 | 210 | 200 | 195 | E240A | E230B | 210 | 210 | E250A | E230A | |
| 9 | E225E | E225E | E240E | E245A | E250E | 220 | 215 | 205 | 195 | 195 | 200 | 180 | 210B | 205 | 205 | 200 | 200 | 200 | 220 | 200 | E190E | E265E | E250E | E250E | |
| 10 | E225A | E240E | 240 | E225E | 220 | 210 | 210 | 200 | 200 | 190 | 185 | 170 | 210 | 205 | 210 | 210 | 200 | 195 | 210 | E205E | E200A | E225E | 210 | E230E | |
| 11 | E225E | E240E | E240E | E245E | E240E | E215E | E210E | 195 | 210 | 205 | 195 | 180 | 200 | 225 | 215B | 200 | 200 | 195 | E215A | E200E | E200E | E210A | E260E | E235E | |
| 12 | E220A | E220E | E220E | E245E | E250E | E225E | E205E | 200 | 205B | 195 | 200 | 175 | 205 | 195 | 225B | 200 | 215 | E190A | E210A | 195 | E195E | E225E | E220E | E220E | |
| 13 | E245E | E250E | E245E | E240E | E245E | E210E | 210 | 200 | 205B | 195 | 180 | 210 | 205 | 205 | 205 | 200 | 200 | E230A | E210A | 200 | A | E240E | E240E | E230E | |
| 14 | E250E | E250B | E245E | E230E | E220E | E200E | 210 | 200 | 205B | 200 | 190 | 205 | 175 | 195 | 200 | 205 | 200 | E205A | E220A | A | A | E230A | E250E | E295E | |
| 15 | E285E | E275E | E250E | E250E | E235E | 195 | 210 | E210A | 200 | 200 | 215 | I210A | 205 | 220 | 220 | 215 | 190 | E205A | E245A | E275A | E235A | E300A | E250A | E310A | |
| 16 | E255A | E325A | E290A | E345A | E300E | E310A | 215 | 210 | 200 | A | A | A | A | A | 205 | 210 | 195 | 205 | 210 | E210A | E230A | A | A | E240A | |
| 17 | E275E | E250E | E255E | E245E | E225E | 195 | 235 | 220 | 210 | 205 | 195 | 205 | 190 | 190 | 210 | 210 | 200 | 200 | 200 | E190E | E195E | E230E | E245A | E300A | |
| 18 | E255A | E245E | E245E | E245E | E235E | E205E | 205 | 200 | 200 | 215B | 200 | 170 | 185 | 155 | 200 | 200 | 200 | 190 | E255A | 205 | E200E | E200E | E225E | E250A | |
| 19 | E280A | E275A | E250E | E225E | E215A | E205E | 205 | 205 | 200 | 180 | 165 | 210 | 210B | 210 | 205 | 205 | 200 | 200 | 200 | E190E | E200E | E190E | E240E | E260E | |
| 20 | E250E | E225E | E245E | E250E | E255E | E210E | E195E | 205 | 200 | 190 | 200 | 165 | 170 | 205 | 205 | 205 | 200 | 200 | E200A | E210E | E200E | E190A | E250A | E250A | |
| 21 | E230E | E220E | E230E | E240E | E220E | E240E | E240E | 215 | 205B | 200 | 180 | 195 | 200 | 195 | 210 | 220 | 200 | E190A | 200 | E220A | E215E | E220E | E275E | E240E | |
| 22 | E240E | E270E | E275E | E240E | E235E | 210 | E240E | 230 | 210B | I200A | 190 | 175 | 220 | 205 | 190 | 205 | 205 | E210A | E190E | E205E | E195E | E200E | E260E | E240E | |
| 23 | E235E | E225E | E260E | E265E | E245E | E240E | E220E | 205 | 195 | 175 | 200 | 210 | 230 | 200 | 220 | 210 | 200 | 200 | E190E | A | E240A | E240E | E230A | E240E | |
| 24 | E260B | E250E | E250E | E250E | E240E | E220E | 200 | 205 | 200 | 205 | 215 | 215 | 200 | 215B | 205 | 210 | 195 | 205 | E215A | E200A | E225E | E260E | E270E | E255E | |
| 25 | E225E | E225E | E240E | E250E | E240E | E215E | E235E | 200 | 200 | 215 | 190 | 215 | 220 | 210 | 220B | 200 | 195 | 200 | E190A | E205A | E225A | E195E | E250E | E225E | |
| 26 | E245E | E250A | E250E | E250E | E215E | E205E | E210A | 210 | 195 | 205 | 200 | 190 | 240B | 200 | 220 | 215B | 195 | 210 | 200 | E230A | E210A | E225A | E210A | E225A | |
| 27 | E225E | E225E | E240E | E245E | E230E | E210E | E225A | 200 | 195 | 180 | 190 | I200C | 225B | 185 | 210 | 200 | 190 | E205A | E195A | E200E | E205E | E200E | E225E | E240E | |
| 28 | E250E | E225E | E240E | E240E | E225E | 215 | E200E | 200 | 205 | 190 | 200 | 175 | 215 | 205 | 205 | 210 | 190 | E230A | 200 | E195E | E210A | E195E | E275E | E245E | |
| 29 | E240A | E235E | E245E | E245E | E250E | E210E | E210E | 200 | 200 | 195 | 225 | 220 | 220 | 210 | 220 | 200 | 200 | 195 | E220E | E200E | 200 | E200E | E270B | E250E | |
| 30 | E245E | E245E | E255E | E245E | E205E | E200E | 200 | 200 | 200 | 175 | 240 | 205 | 205 | 190 | 225B | 200 | E205A | E205A | E250A | E220E | E215E | E200E | E250B | E230E | |
| 31 | E225 | E225 | E225 | E240 | E225 | E240 | E250 | E225 | E250 | E220 | 200 | E225 | 200 | 210 | 200 | 200 | 195 | 205 | E205 | E200 | E220 | E200 | E225 | E250 | |
| Медиана | E245E | E245E | E245E | E245E | E235E | E210E | U205 | U200 | 200 | 200 | 200 | 200 | 200 | 205 | 205 | 210 | 210 | 200 | 200 | E210A | E205A | E210A | E220A | E250E | E240E |
| Учено | 29 | 30 | 29 | 30 | 30 | 29 | 30 | 29 | 29 | 27 | 27 | 28 | 28 | 28 | 29 | 29 | 30 | 29 | 28 | 27 | 25 | 26 | 27 | 29 | |
| | - | - | - | - | - | - | E25 | 10 | 5 | 15 | 10 | 35 | 20 | 15 | 15 | 10 | - | E10 | E20 | - | - | - | - | - | |

Пробег частоты от 1.0 Мгц до 18.0 Мгц 20сек мин

Станция автоматическая
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД



h'F2 Км Ноябрь 1962г
(характеристика) (единицы) (месяц) (год)

Академия Наук Каз ССР
(институт)

Станция Алма-Ата
 Долгота 76°55'E широта 43°15'N

ИОНОСФЕРНЫЕ ДАННЫЕ
 поясное время 75°E

Кем составлена Милютинной
 Кем подсчитана Милютинной

| Дни | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---------|----|----|----|----|----|----|----|----|-------|-----|-------|-------|-----|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|----|
| 1 | | | | | | | | | | 210 | 250 | 245 | 225 | 230 | 225 | 280 | | | | | | | | |
| 2 | | | | | | | | | E230A | A | A | A | A | A | 255 | A | | | | | | | | |
| 3 | | | | | | | | | | 200 | 220 | 225 | 245 | 220 | T220C | | | | | | | | | |
| 4 | | | | | | | | | 200 | A | A | 240 | 225 | 235 | 220 | | | | | | | | | |
| 5 | | | | | | | | | | 215 | 220 | 235 | 210 | 245 | 205 | | | | | | | | | |
| 6 | | | | | | | | | | 210 | 200 | 200 | 240 | 225 | 210 | 225 | | | | | | | | |
| 7 | | | | | | | | | 200 | 210 | 215 | 240 | 240 | 230 | 210 | | | | | | | | | |
| 8 | | | | | | | | | 205 | 225 | 210 | T230A | 235 | 220 | 220 | | | | | | | | | |
| 9 | | | | | | | | | | 205 | 240 | 250 | 205 | 225 | 235 | 225 | | | | | | | | |
| 10 | | | | | | | | | | 205 | 210 | 250 | 220 | 230 | 210 | 210 | | | | | | | | |
| 11 | | | | | | | | | | 210 | 205 | 230 | 225 | 225 | 210 | 250 | | | | | | | | |
| 12 | | | | | | | | | 200 | 205 | 200 | 215 | 220 | L | 215 | | | | | | | | | |
| 13 | | | | | | | | | 200 | 200 | 210 | L | L | 215 | 225 | | | | | | | | | |
| 14 | | | | | | | | | 200 | 205 | 200 | 215 | | 200 | 205 | | | | | | | | | |
| 15 | | | | | | | | | 205 | | 215 | 225 | 215 | L | 220 | | | | | | | | | |
| 16 | | | | | | | | | | 245 | E220A | 235 | 220 | E235A | L | | | | | | | | | |
| 17 | | | | | | | | | | 215 | 215 | 210 | 220 | 230 | | | | | | | | | | |
| 18 | | | | | | | | | | 205 | 200 | 225 | 210 | 225 | 205 | | | | | | | | | |
| 19 | | | | | | | | | | 205 | 215 | 240 | 200 | 220 | 215 | | | | | | | | | |
| 20 | | | | | | | | | | | 225 | 240 | 215 | 210 | | | | | | | | | | |
| 21 | | | | | | | | | 200 | 210 | 210 | 240 | 215 | 215 | 240 | 220 | | | | | | | | |
| 22 | | | | | | | | | 200 | 210 | 220 | 235 | 230 | 220 | | | | | | | | | | |
| 23 | | | | | | | | | 205 | 215 | 230 | 225 | 230 | 225 | 225 | | | | | | | | | |
| 24 | | | | | | | | | | 215 | 220 | 230 | 215 | 210 | 210 | | | | | | | | | |
| 25 | | | | | | | | | 200 | 235 | 220 | 220 | 220 | 220 | 205 | | | | | | | | | |
| 26 | | | | | | | | | 205 | 205 | 220 | 220 | 220 | 215 | 225 | 200 | | | | | | | | |
| 27 | | | | | | | | | 200 | 205 | 225 | T235C | 220 | 230 | C | | | | | | | | | |
| 28 | | | | | | | | | | 205 | 215 | 220 | 215 | 220 | 215 | | | | | | | | | |
| 29 | | | | | | | | | 200 | 205 | | 225 | 230 | 240 | 220 | | | | | | | | | |
| 30 | | | | | | | | | | | L | 240 | 225 | 255 | 210 | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | 200 | 205 | 205 | 215 | 210 | 220 | 220 | 230 | 230 | 220 | 230 | 210 | 225 | 210 | 250 | |
| Медiana | | | | | | | | | 200 | 210 | 215 | 230 | 220 | 225 | 215 | 225 | | | | | | | | |
| Учтено | | | | | | | | | 15 | 25 | 26 | 28 | 27 | 27 | 25 | 7 | | | | | | | | |
| | | | | | | | | | 5 | 10 | 10 | 20 | 15 | 10 | 15 | 40 | | | | | | | | |

Пробег частоты от 1.0 Мгц до 18.0 Мгц 20сек шаг.

Станция автоматическая
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД



К'Е Км Ноябрь 1962г
(характеристика) (единицы) (месяц) (год)

Академия Наук Каз ССР
(институт)

Станция Алма-Ата

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Милютиной

Долгота 76°55' E широта 43°15' N

поясное время 75° E

Кем подсчитана Милютиной

| Дни | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---------|----|----|----|----|----|----|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|----|----|----|----|----|
| 1 | | | | | | | E | 110H | 100H | 95 | C | C | C | C | C | B | B | B | B | | | | | |
| 2 | | | | | | | | B | B | B | B | B | E105B | A | A | A | A | A | A | | | | | |
| 3 | | | | | | | | E125B | 95 | 100 | A | A | A | A | C | A | A | A | A | | | | | |
| 4 | | | | | | E | | E105H | 100 | 100 | 100 | I100A | 100 | A | A | 95 | A | A | A | | | | | |
| 5 | | | | | | | | E105A | 100 | 100 | 100 | A | A | A | I100A | A | A | A | | | | | | |
| 6 | | | | | | | | E110A | 100 | 95 | 95 | 95 | I95A | I95A | I95A | I90A | 90 | A | A | | | | | |
| 7 | | | | | | | | 105H | 100 | 100 | A | A | A | 95 | 95 | 100 | 100 | A | A | | | | | |
| 8 | | | | | | | | 100 | 95 | 100 | 100 | A | A | A | A | A | E115B | E | | | | | | |
| 9 | | | | | | | E | 100 | E115A | 100 | I100A | I95A | 100 | 100 | 100 | A | A | E | E | | | | | |
| 10 | | | | | | | E | A | A | A | A | 95 | 95 | 95 | 100 | 100 | 105 | A | | | | E | | |
| 11 | | | | | | | | A | A | A | 95 | 95 | 95 | 95 | 90 | 100 | A | A | | | | | | |
| 12 | | | | | | | | E115B | 100 | I95A | I95A | 100 | 100 | 100 | 100 | 100 | A | A | A | | | | | |
| 13 | | | | | | | E | A | E110B | 100 | 100 | 100 | 100 | 100 | 100 | 100 | B | A | | | | | | |
| 14 | | | | | | | E | B | I100A | E110A | 100 | 100 | 100 | 100 | I100A | A | A | A | A | | | | | |
| 15 | | | | | | E | A | A | A | A | 95 | I95A | 100 | 100 | I95A | I100A | 100 | E | | | | | | |
| 16 | | | | | | | E | A | A | A | 95 | 95 | 95 | A | A | I100A | 100 | A | E | | | | | |
| 17 | | | | | E | E | E | 100 | A | A | A | A | A | 100 | 100 | I100A | A | A | A | E | E | | | |
| 18 | | | | | | | E | A | E115A | 95 | 95 | 95 | 100 | 100 | I100A | 100H | E120B | A | | | | | | |
| 19 | | | | | | | E | B | I100A | 95 | 95 | 95 | 100 | 100 | E105A | 100 | E110A | A | | | | | | |
| 20 | | | | | | | E | A | E110A | A | I100A | 95 | I100A | 100 | I100A | 100 | A | A | A | | | | | |
| 21 | | | | | | | E | E | 100 | 100 | 100 | 100 | 95 | 100 | 100 | E110A | A | A | | | | | | |
| 22 | | | | | | E | E | 100 | A | A | A | 95 | A | A | 100 | E110A | A | A | E | E | | | | |
| 23 | E | E | E | E | E | E | E | E | A | A | 100 | 100 | I100A | 100 | A | A | A | A | | | | | | |
| 24 | | | | | | E | A | A | A | I95A | 100 | I100A | 100 | 100 | 100 | 100 | A | A | | | | | | |
| 25 | | | | | | | E | A | A | A | 95 | 95 | 95 | 95 | 100 | 100 | E | E | E | | | | | |
| 26 | | | | | | | | A | A | A | 95 | I95A | I95A | 95 | 95 | 100 | A | A | | | | | | |
| 27 | | | | | | | A | A | A | I100A | 100 | I100C | 100 | I100A | 100 | 100 | A | A | | | | | | |
| 28 | | | | | | E | E | A | 100 | 100 | 95 | 100 | 100 | 95 | 100 | 100 | A | A | | | | | | |
| 29 | | E | E | | | | E | E | 100 | I100A | I100A | 100 | 100 | 100 | 100 | A | A | E | | | | E | | |
| 30 | | | | | E | E | E | E | 100H | 100 | I100A | 100 | 100 | 100 | 100 | 100 | A | A | A | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | |
| Медiana | E | E | E | E | E | E | E | 110 | 100 | 100 | 100 | 95 | 100 | 100 | 100 | 100 | I100 | E | E | E | E | E | | |
| Учтено | 1 | 2 | 2 | 1 | 3 | 8 | 20 | 15 | 18 | 19 | 23 | 23 | 23 | 22 | 23 | 21 | 9 | 5 | 4 | 2 | 2 | 1 | | |

Пробег частоты от 1.0 Мгц до 18.0 Мгц 20сек мин.

Станция автоматическая
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД



h'Es Км Ноябрь 1962
(характеристика) (единицы) (месяц) (год)

Академия Наук Каз ССР
(институт)

Станция Алма-Ата

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Милютинной

Долгота 76°55'E широта 43°15'N

полное время 75°E

Кем подсчитана Милютинной

| Дни | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|---------|-----|-----|-----|------|-----|------|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----|------|------|------|-----|-----|
| 1 | B | E | E | E | E | 100Y | G | G | E1706 | 115 | G | G | 100 | 100 | 110 | 130 | B | 100 | 105 | 100H | 100 | 100 | 100 | 100 |
| 2 | 100 | 100 | 100 | 100 | 95 | 100H | 95H | 155 | 130 | 110 | 100 | 100 | 100 | 100 | 100H | 90 | 85 | 85 | 85 | 100H | 100 | 95 | 95 | 95 |
| 3 | 95 | E | 95 | 95 | 95 | E | G | G | E1556 | E1256 | 95 | 95 | 95 | 85 | C | 85 | 85 | 85 | 85 | 105 | 100 | 90 | 95 | 95 |
| 4 | 90 | 90 | 90 | 90 | 90 | G | G | G | E1156 | 100 | 100 | 100 | G | 100 | 95 | G | 90 | 100 | 100 | 90 | B | 95 | 100 | 100 |
| 5 | 100 | 100 | 100 | 110 | 90 | 90 | 90 | 95 | E1406 | 95 | 100 | 100 | 95 | 95 | 95 | E1456 | 95 | 95 | 95 | 100 | 100H | 100H | 100 | 95 |
| 6 | 95 | 95 | 90 | 95 | 100 | 100 | 100 | 95 | G | E1556 | 100 | G | 95 | 95 | 90 | 90 | 100 | 90 | 90 | 90 | B | E | E | E |
| 7 | 95 | 95 | 95 | 100 | E | E | E | G | G | G | 100 | 95 | 95 | 100 | 100 | E1156 | 105 | 100 | 100 | 110 | 100 | 100 | C | 95 |
| 8 | 90 | E | 90 | 90 | 90 | E | E | G | 95 | 90 | 95 | 95 | 90 | 90Y | 90 | 90 | 105 | 100 | 90 | B | E | 95 | 95 | 100 |
| 9 | E | E | E | 100 | E | 100Y | 100 | G | 100 | 100 | 95 | 95 | 150 | 95 | 90 | 100 | 100 | 90 | 100 | 100 | 100 | 100 | 95 | E |
| 10 | 95 | E | E | E | E | 100 | 100 | 100 | 95 | 100 | 95 | G | G | G | 90 | E1356 | 85 | 95 | E | E | 100 | G | E | E |
| 11 | E | E | E | E | E | E | E | 100 | 100 | 100 | G | G | G | G | G | 90 | 110 | 100 | 100 | 100 | 100 | 100 | 100 | 95 |
| 12 | 95 | 100 | 90 | 95 | E | E | E | 120 | G | 95 | 100 | G | G | G | G | E1406 | 105 | 100 | 95 | E | E | E | E | E |
| 13 | E | E | E | E | E | E | G | 100 | G | G | G | G | G | G | E1256 | 100 | 100 | 100 | 95 | E | 95 | 100 | 95 | 100 |
| 14 | E | B | E | E | E | E | G | G | 100 | 100 | G | G | G | G | 95H | 100 | 100 | 100 | 100 | 100 | 100 | 95 | E | E |
| 15 | E | E | E | E | E | G | 100 | 100 | 100 | 95 | 100H | 120H | 135 | 130 | 125 | 105 | 100 | 100 | 100 | 100 | 100 | 100 | 95 | 90 |
| 16 | 90 | 90 | 90 | 100H | E | 95 | 100 | 100 | 100 | 95 | 95 | 95 | 90 | 95 | 95 | 95Y | 105 | 100 | 100 | 100 | 100 | 95 | 95 | 95 |
| 17 | 95 | E | E | E | G | G | G | G | 100 | 95 | 95 | 95Y | 95 | G | G | 100 | 95 | 100H | 100 | 100 | G | 100 | 95 | 95 |
| 18 | 90 | E | E | 95 | E | 100 | 100 | 100 | 100 | G | G | G | G | G | 95Y | G | G | 95 | 100 | 95 | E | E | E | 90 |
| 19 | 90 | 90 | E | E | 100 | E | 100 | G | 100 | G | G | E1506 | 95 | 95 | E1456 | 90 | 90 | 100 | E | E | E | E | E | E |
| 20 | E | E | E | E | E | E | G | 100 | 100 | 95 | 100 | G | 90 | 90 | 110 | 90 | 90 | 95 | 90 | 90 | 90 | 95 | 90 | 90 |
| 21 | E | 90 | E | E | E | E | G | G | G | G | G | 90 | G | 95 | E1556 | E1256 | 100 | 90 | E | 100 | E | E | E | E |
| 22 | E | E | E | E | E | 110 | G | G | 100 | 100 | 95 | G | 90 | 90 | 90 | E1206 | 100 | 100 | G | G | E | E | E | E |
| 23 | G | G | G | G | G | G | G | G | 100 | 95 | 95 | 90 | 90 | E1506 | 100H | 95 | 95 | 95 | 90 | 95 | 95 | E | 90 | E |
| 24 | B | E | E | E | E | G | 100 | 100 | 95 | 90 | 90 | 95 | E1556 | E1606 | E1256 | 110 | 100 | 95 | 95 | 90 | E | E | E | E |
| 25 | E | E | E | E | E | E | G | 100 | 100 | 100 | G | G | E1106 | G | G | E1256 | 105 | G | 100 | 110 | 105 | E | 100 | 100 |
| 26 | 100 | 100 | E | 100 | E | E | 100 | 100 | 95 | 150 | E1406 | 95 | 100 | G | 100 | 125 | 120 | 100 | E | 105 | 100 | 95 | 95 | 90 |
| 27 | 90 | E | E | E | E | 100 | 100 | 100 | 100 | 95 | 105H | C | G | 100 | E1256 | 110 | 110 | 100 | 90 | E | E | E | E | E |
| 28 | E | E | E | E | E | 100 | 100 | 100 | G | 95 | G | 95 | E1756 | 100 | E1606 | E1256 | 95 | 100 | 100 | 95 | 95 | E | E | 90 |
| 29 | 95 | G | G | E | E | E | G | G | G | 100 | 95 | E1656 | 95 | E1556 | E1456 | 145 | 95 | G | E | E | G | E | B | E |
| 30 | E | E | E | E | G | G | G | G | G | E1456 | 90 | G | E1456 | E1406 | G | 115 | 105 | 105 | 100 | E | 100 | E | B | E |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | |
| Медiana | 95 | 95 | 90 | 100 | 95 | 100 | 100 | 100 | 100 | 195 | 95 | 95 | 95 | 195 | 195 | 1100 | 100 | 100 | 100 | 100 | 100 | 100 | 95 | 95 |
| Учтено | 16 | 10 | 9 | 12 | 7 | 11 | 13 | 16 | 22 | 25 | 21 | 17 | 21 | 21 | 24 | 28 | 28 | 28 | 28 | 24 | 21 | 18 | 16 | 17 |

Пробег частоты от 1.0 Мгц до 18.0 Мгц 20сек штк.

Станция автоматическая
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД



КрГ2 Км Ноябрь 1962г.
(характеристика) (единицы) (месяц) (год)

Академия Наук Каз ССР
(институт)

Станция Алма-Ата
Долгота 76°55' E широта 43°15' N

ИОНОСФЕРНЫЕ ДАННЫЕ
полное время 75° E

Кем составлена Милютчиной
Кем подсчитана Милютчиной

| 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 | 330 | 325 | 285 | 305 | 320 | 270 | 295 | 235 | U235S | 245 | 245 | 250 | 235 | 270 | 275 | 290 | 240 | A | A | A | A | A | A | 330 |
| 2 | 320 | 340 | 310 | 340 | 275V | U295N | 295 | N | U245S | A | A | A | A | A | C | 245 | U245S | 250 | 260 | 265 | U270S | 235 | 340 | N |
| 3 | 300 | U300N | 330 | U325N | 325 | 245 | 295 | 245 | 215 | R | U240S | 300V | 270 | 250 | C | 250 | 225 | 260 | 270 | 280 | 260 | 345 | 325 | 340 |
| 4 | 290 | 300 | 310 | 330 | 270 | 325 | 260 | S | U250S | 245 | A | 265 | 250 | 250 | 250 | 250 | 225 | 240 | 300 | 265 | 270 | 285 | 325 | 315 |
| 5 | 320 | 325 | 320 | 320 | 300 | 275 | 250 | 245 | 240 | 235 | 245 | 250 | 255 | 255 | 245 | 275 | 245 | 245 | A | 305 | A | A | 310 | 275 |
| 6 | 275 | 275 | 315 | 330 | 325 | 310 | 255 | 245 | 240 | 230 | U240R | 300 | 280 | 255 | 270 | 255 | 245 | 260 | 290 | 270 | 255 | 245 | 300 | 310 |
| 7 | 325 | 350 | U330N | 310 | 345 | 295 | 275 | 230 | 225 | 280 | 230 | 260 | 260 | 260 | 245 | 260 | 235 | 245 | R | 250 | 240 | A | C | 290 |
| 8 | 275 | 340 | 325 | 320 | 300 | 280 | 270V | 245 | 225 | 245 | 240 | 280 | 275 | 250 | 250 | 250 | 225 | 240 | 290 | 310 | 250 | 285 | 305 | 310 |
| 9 | 290 | 310 | 315 | 330 | 320 | 305 | 280 | 230 | 230 | 240 | C | 280 | 250 | 250 | 250 | 250 | 235 | 235 | 285 | 250 | 265 | 270 | 340F | 325 |
| 10 | U300F | 300 | U325F | 290 | 270 | U265F | 275 | 255 | 225 | 230 | 240 | 255 | 275 | 255 | 250 | 240 | 250 | 240 | 275 | 255 | 245 | 280 | 275 | 305 |
| 11 | 315 | 325 | 310 | 315 | 305 | 275 | 270 | 235 | 245 | 240 | 235V | 245 | 265 | 255 | 235 | 270 | 225 | 270 | 275 | 250 | 255 | 330 | 340 | 285 |
| 12 | 310 | 280 | 310 | 320 | 340 | 280 | 265 | 225 | 230 | 230 | 230 | 255 | 245 | 260 | 250 | 240 | 250 | 225 | 270 | 235 | 240 | 280 | 280 | 300 |
| 13 | 305 | S | 325 | U305S | 305 | 260 | 260 | 235 | 220 | 225 | 250 | 255 | 260 | 245 | 250 | 245 | 225 | 255 | 250 | 225 | A | 325 | 300 | 310 |
| 14 | 335 | 310 | 310 | 300 | 275 | 245 | 250 | U225S | 225 | 230 | 245 | 245 | 275 | 285 | 235 | 250 | 240 | 245 | 245 | A | A | 295 | 275N | 265N |
| 15 | 365 | 350 | 330 | 330 | 300 | 225 | 260 | U235S | 250 | 250 | 245 | 250 | 245 | 275 | 260 | 250 | 240 | 280 | 290 | 350 | 285 | 350 | 300 | 400 |
| 16 | 315 | 370 | 350 | 370 | 370 | 340 | 255 | 245 | 250 | 270 | 275 | 270 | 260 | 260 | 275 | 250 | 245 | 270 | 275 | U275S | U250S | A | U315S | 275 |
| 17 | U360S | 335 | 355 | 330 | U300S | 245 | 310 | 250 | 245 | 245 | 245 | 240 | 250 | 250 | 245 | 255 | 245 | 250 | 250 | 230 | 235 | 300 | 295 | 360 |
| 18 | 300 | 315 | 320 | 315 | 295 | 270 | U250N | 245 | 235 | 225 | U225R | 245 | 235 | 245 | 230 | 235 | 235 | 240 | 270 | 230 | 245 | 240 | 295 | 310 |
| 19 | 350 | 350 | 345 | 300 | 300 | 265 | 250 | 240 | 220 | 225 | 250 | 270 | 240 | 250 | 240 | 255 | 230 | 275 | 265 | 250 | 265 | 275F | 325 | N |
| 20 | 315 | U285F | U325N | U325N | U320N | U275N | 275 | U235S | U220S | 235 | 250 | 260 | 240 | 290 | 260 | 230 | 230 | 240 | 310 | 250 | 290 | 230 | 300 | 350 |
| 21 | U300F | U300F | U350F | 350N | U325N | U360N | U330F | 250 | U230S | 240 | 240 | 270 | 255 | 245 | 260 | 250 | 230 | 270 | 250 | 270 | 275 | 350 | 355 | 330 |
| 22 | 315 | 360 | 350 | 340 | 300 | 250 | 310 | 260 | 235 | 270 | 250 | 260 | 250 | 255 | 255 | 240 | 245 | 280 | 280 | 260 | 260 | 325 | 350 | 325 |
| 23 | 305 | 310 | 345 | 350 | 320 | 320 | 280 | 245 | 245 | 250 | 250 | 255 | 250 | 255 | 255 | 255 | 260 | 245 | 240 | A | 300 | 300 | 290 | 340 |
| 24 | 335 | 320 | 320 | 315 | 300 | 280 | 265 | 250 | U235S | 250 | 245 | 250 | 260 | 240 | 235 | 250 | 230 | 250 | 250 | 235 | 265 | 320 | 335 | 350 |
| 25 | 300 | 285 | 320 | 315 | 315 | 275 | 305 | 235 | U225S | 255 | 245 | 240 | 250 | 240 | 225 | 220 | 250 | 275 | 230 | 250 | 260 | 275 | 350 | 310 |
| 26 | 290 | 340 | 325 | 300 | 280 | 255 | 290 | 255 | 230 | 235 | 245 | 245 | 245 | 235 | 245 | 225 | 220 | 250 | 250 | 260 | 250 | 250 | 250 | 265 |
| 27 | 305 | 295 | 325 | 305 | 300 | 270 | 270 | 245 | 225 | 255 | 250 | C | 240 | 245 | C | 225 | 225 | 270 | 250 | 260 | 250 | 275 | 300 | 350 |
| 28 | 320 | 290 | 315 | 315 | 290 | 275 | 275 | 240 | 240 | U225S | 230 | 240 | 245 | 250 | 250 | 235 | 245 | 280 | 235 | 225 | 260 | 255 | 350 | 325 |
| 29 | 275 | 305 | 310 | 315 | 320 | 270 | 270 | 240 | U225S | 230 | 250 | 245 | 250 | 255 | 245 | 240 | 250 | 225 | 310 | 260 | 250 | 240 | U345R | 330 |
| 30 | 295 | 320 | 330 | 300 | 255 | 240 | 255 | 235 | 215 | 295 | 280 | 250 | 245 | 255 | 230 | U235S | 250 | 240 | 300 | 290 | 280 | 245 | 335 | 300 |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | |
| Медиана | 310 | 315 | 325 | 320 | 300 | 275 | 270 | 240 | 230 | 240 | 245 | 255 | 250 | 255 | 250 | 250 | 240 | 250 | 270 | 260 | 260 | 280 | 310 | 310 |
| Учтено | 30 | 29 | 30 | 30 | 30 | 30 | 30 | 28 | 30 | 28 | 27 | 28 | 29 | 29 | 27 | 30 | 30 | 29 | 27 | 27 | 26 | 26 | 28 | 28 |

Пробег частоты от 1.0 Мгц до 18.0 Мгц 20сек мин.

Станция автоматическая
(ручная, автоматическая)

МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД



Тыныс Ноябрь 1962г
(характеристика) (единицы) (месяц) (год)

Академия Наук Каз ССР
(институт)

Станция Алма-Ата

ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Милютиной

Долгота 76°55'E широта 43°15'N

поисное время 75°E

Кем подсчитана _____

| Дни | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | | |
|---------|----|----|----|----|----|----|----|-------|----------|----------|-------|----------|-------------|----------|----------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|-------|-------|
| 1 | | | | | | f1 | | | h1 c1 | | | | c2 c1 c1 c1 | | | e1 e3 f3 f3 | f4 f3 f2 | | | | | | | | | |
| 2 | f2 | f2 | f2 | f2 | f2 | f1 | f1 | n1 | c1 c2 c2 | n2 | c3e2 | e2 e2 e2 | e2 e2 e2 | e2 e2 e2 | e2 e2 e2 | e2 e2 e2 | e2 e2 e2 | e2 e2 e2 | e2 e2 e2 | e2 e2 e2 | e2 e2 e2 | e2 e2 e2 | e2 e2 e2 | e2 e2 e2 | | |
| 3 | f1 | | f6 | f3 | f2 | | | | c1 c1 e1 | e1 c1 e1 | e1 e1 | e1 e1 | e1 e1 e1 | e1 e1 e1 | e1 e1 e1 | e1 e1 e1 | e1 e1 e1 | e1 e1 e1 | e1 e1 e1 | e1 e1 e1 | e1 e1 e1 | e1 e1 e1 | e1 e1 e1 | e1 e1 e1 | | |
| 4 | f2 | f2 | f2 | f2 | f2 | | | | c1 c2 c2 | e1 | | | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | |
| 5 | f2 | f2 | f2 | f2 | f2 | f2 | e2 | e1 c1 | c1 e1 | c1 e1 | c1 e1 | e1 e1 | e2 e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | |
| 6 | f2 | f2 | f3 | f1 | f1 | f1 | f1 | e1 | | c1 c1 | | | e1 e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | |
| 7 | f4 | f2 | f2 | f2 | | | | | | e1 e2 | e1 e1 | e1 c1 c1 | h1 e1 | c1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | |
| 8 | f3 | | f2 | f2 | f2 | | | | c2 c2 c2 | e2 e2 | e2 e2 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | |
| 9 | | | | f1 | | f1 | e1 | | e1 c1 e1 | e1 e1 | c1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | |
| 10 | f1 | | | | | f1 | e1 | e2 | e2 e1 | e1 e1 | | | | | e1 c1 | e1 c1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | |
| 11 | | | | | | | | e1 e1 | e1 e1 | | | | | | e1 c1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | |
| 12 | f1 | f1 | f1 | f1 | | | | c1 | | e1 e1 | | | | | | c1 e1 | e5 e1 | | | | | | | | | |
| 13 | | | | | | | | e1 | | | | | | | c1 c1 | c1 e4 | f2 | | | f3 | f2 | f2 | f1 | | | |
| 14 | | | | | | | | | e1 e1 | | | | | | e1 e2 | e2 e2 | e2 e2 | e2 e2 | e2 e2 | e2 e2 | e2 e2 | e2 e2 | e2 e2 | e2 e2 | e2 e2 | e2 e2 |
| 15 | | | | | | | e1 | e3 | e3 e2 | c1 c1 | e1 c1 | c1 c2 | e1 c1 | e1 c1 | e1 c1 | e1 c1 | e1 c1 | e1 c1 | e1 c1 | e1 c1 | e1 c1 | e1 c1 | e1 c1 | e1 c1 | e1 c1 | |
| 16 | f2 | f2 | f2 | f5 | | f6 | c1 | e2 | e4 e3 | c3 c3 | c2 e2 | e2 e2 | e2 e2 | e2 e2 | e2 e2 | e2 e2 | e2 e2 | e2 e2 | e2 e2 | e2 e2 | e2 e2 | e2 e2 | e2 e2 | e2 e2 | e2 e2 | |
| 17 | f1 | | | | | | | | e2 e2 | e2 c1 | e1 e1 | e1 e1 | e1 e1 | | | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | |
| 18 | f2 | | | f1 | | f1 | e1 | e1 | e2 | | | | | | e2 | | | | e1 | f4 | e1 | | | | | |
| 19 | f2 | f1 | | | f2 | | e2 | | e1 | | | h1 | e1 e1 | e1 e1 | c1 e1 | e1 e1 | e1 c1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | |
| 20 | | | | | | | e1 | e1 | e2 | e1 | | | e1 e1 | e1 e1 | c1 e1 | e1 e1 | e2 e1 | e1 e1 | e2 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | |
| 21 | | f1 | | | | | | | | | | e1 | e1 | h1 | c1 e1 | c1 e1 | e3 | | f1 | | | | | | | |
| 22 | | | | | | c1 | | | e2 e2 | e2 e2 | e2 e2 | | e2 e2 | e2 e2 | e1 c1 | c1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | |
| 23 | | | | | | | | | e3 e2 | e1 e1 | e1 c1 | e2 h1 | e2 h1 | e1 e1 | e2 e1 | e2 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | |
| 24 | | | | | | | e1 | e1 | e2 e2 | e1 e1 | e2 c1 | c1 e1 | c1 c1 | c1 e1 | e2 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | |
| 25 | | | | | | | e2 | e2 | e2 e2 | | | | c1 | | | c1 c1 | c1 c1 | e1 | f1 | f1 | f1 | f1 | f1 | f1 | f1 | f1 |
| 26 | f1 | f1 | | f1 | | | f1 | e2 | e2 h1 | c1 e1 | e1 e1 | | | | c1 h1 | c1 c1 | e1 e1 | | f2 | f1 | f2 | f2 | f1 | | | |
| 27 | f1 | | | | | | f1 | e2 | e1 e1 | c1 | | | | | e1 c1 | c1 e1 | h1 c1 | e2 e1 | e2 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | |
| 28 | | | | | | | e1 | e1 | e1 | | | e2 | h1 e1 | c1 h1 | c1 c1 | e1 c1 | e1 e1 | e2 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | e1 e1 | |
| 29 | f1 | | | | | | | | e2 e1 | c1 e1 | c1 e1 | e1 c1 | e1 c1 | e1 c1 | e1 c1 | e1 c1 | e1 c1 | e1 c1 | e1 c1 | e1 c1 | e1 c1 | e1 c1 | e1 c1 | e1 c1 | e1 c1 | |
| 30 | | | | | | | | | c1 e1 | | | | c1 c1 | | | c1 c3 | e3 e2 | e2 | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Медиана | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Учтено | | | | | | | | | | | | | | | | | | | | | | | | | | |

Пробег частоты от 1.0 Мгц до 18.0 Мгц 20сек мин.

Станция автоматическая
(ручная, автоматическая)