

# МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД



№ 02 Мгц Октябрь 1960  
(характеристика) (единицы) (месяц) (год)

**НИРФИ**  
(институт)

Станция Горький НИРФИ

Кем составлена Хвостовой

Долгота 56°09' N широта 44°17' E

## ИОНОСФЕРНЫЕ ДАННЫЕ

поясное время 45°E

Кем подсчитана Барановой

Дни	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	4.2	3.9F	J3.5R	3.2	3.3	2.5	3.2	U5.2R	7.0F	8.4	10.0F	10.2	10.2	10.6	10.1	9.1	9.2	7.7	7.0	5.8	4.9	4.5	3.9	3.7
2	3.4	U2.9R	U3.2F	U3.0F	U2.5F	F	R	4.5	5.5	6.6	7.3F	7.8	7.9	9.3	8.5	8.4	7.0F	8.1F	5.3F	F	3.6F	F	U2.5F	U2.0F
3	2.1F	J1.7F	F	2.0	I1.6A	1.9	3.5	5.2	6.3	6.6	7.3	7.4	8.6	8.3	9.2	8.8	8.3	7.5	7.5	7.4	6.4	4.9F	F	4.3F
4	3.7F	U3.5F	3.3	U2.9F	F	2.5	3.4	4.8	6.5	7.9	8.3	9.2	9.4	9.9	9.6	9.2	8.8	8.6	I6.8C	5.6	4.4	U4.1F	F	J2.3F
5	2.7F	F	2.1F	U1.9F	J1.8F	U2.1F	2.9H	3.9	4.8	5.1	5.0	5.6	6.2	6.7	6.4	6.2	I6.2C	5.7	5.4	5.2	4.8	4.3	3.5	3.4F
6	A	2.4	2.1	1.9	U2.3F	2.4	3.1	3.8	U4.0F	E3.86	U4.6R	5.0	6.1F	5.9	6.5	6.9	8.5	5.8	F	R	F	A	F	A
7	F	B	B	B	B	U2.0F	2.2H	E2.76	E3.36	E3.36	E3.66	E3.86	E3.86	E3.76	E3.86	U4.06	4.1	4.3F	3.3F	J1.7F	1.7F	F	J1.7F	F
8	F	N	U2.3F	F	F	F	2.9	3.9	4.7	5.3	5.9	6.6	C	C	C	7.9	7.7	6.9	6.1	U5.1F	4.5	3.8F	2.9	2.5F
9	U2.0F	F	N	N	F	F	F	4.4	5.3	5.9	6.3	7.2	6.7	7.1	7.0	6.9	6.8	6.6	5.2	5.0F	4.1	U3.4F	3.0	3.0
10	2.9	2.6	2.2	1.8	1.8F	U2.4F	F	4.8	6.0	7.1	7.4	7.9	8.9	8.9	8.3	8.0	7.8	7.3	6.3	5.9	5.5	4.5	3.6	3.4
11	3.1	3.0	U2.7R	2.5	2.0	2.2	3.1	4.7	5.5	6.2	7.3	7.5	8.3	8.3	8.4	8.1	7.9	7.8	6.7	U6.5S	5.6	4.7	4.1	3.8
12	3.4	3.3	3.0	2.9	2.5	2.5	3.6	5.6	6.9	7.5	8.7	8.9	9.0	9.9	9.4	9.8	9.6	8.8	7.6	6.8	6.1	5.3	4.6	4.1
13	4.2	4.2	3.8	3.8	3.3	3.2	3.6	6.0	U8.0R	8.8	J10.4R	10.9	11.0	11.2	11.1	10.9	10.3	10.3	9.0	8.4	7.4	6.4	5.9	5.3
14	5.0	4.7	4.6	4.5	4.2	4.0	4.2	6.5	8.5	U9.6R	11.6	11.5	11.8	U11.7R	11.9	11.8	11.0	10.7	9.8	8.0	7.0	6.6	5.7	5.1
15	4.7	4.5	4.4	4.3	3.9	3.9	4.2	7.0	9.5	11.5	12.7	12.7	12.9	12.5	12.0	11.7	U11.4R	11.7	U10.4R	9.0	8.1	4.8	4.0	4.2
16	4.3	4.0	3.9	3.6	3.6	3.6	3.9	6.1	7.9	8.8	9.7	10.5	10.1	10.9	10.4	10.4	9.8	I9.0C	8.3	7.3	6.7	5.9	5.3	4.9
17	4.3	4.0	3.8	3.9	3.6F	3.7	3.9	7.2	9.1	10.6	11.2	12.6	12.1	12.2	12.0	12.3	11.5	10.2	8.8	7.5	6.7	5.9	5.1	4.5
18	U4.5R	4.7	4.6	4.5	C	C	3.2	5.3	7.3	8.9	U9.3R	10.3	10.3	10.0	10.3	10.2	9.9	9.6	U8.4R	6.5	5.0	4.2	3.7	3.9F
19	3.6	3.4	3.4	3.1	3.0	3.1	3.4F	5.7	7.9	10.3	U11.8R	12.1	12.3	11.8	11.1	11.0	10.5	10.1	8.6	7.4	6.1	5.0	4.4	4.2
20	4.2	4.0	3.9	U3.9F	F	3.2	3.3	4.7	5.9	7.2	7.9	I8.4C	8.8	9.9	9.4	9.5	8.6	8.3	7.4	5.8	5.5	4.9	4.9	4.7
21	4.0F	3.5F	3.2F	3.0	3.0F	3.2F	3.4	5.9	U7.5C	I9.9C	C	C	C	C	C	C	10.3	8.7	7.1	6.0	5.7	4.5	4.1	4.1
22	4.0	3.9	3.8	3.8	3.7	3.5	3.7	U6.4R	J8.6R	I9.6R	11.0	U11.5R	12.3	12.2	11.2	12.0	10.6	9.5	7.9	6.8	5.8	4.7	4.3	4.1
23	4.2	4.2	4.0	3.8	3.6	3.4	3.4	U6.1R	8.9	10.1	11.3	11.6	C	C	C	C	C	C	C	C	C	4.1	3.7	3.6
24	3.8	4.2	4.3	4.0	3.8	3.9	3.6	U5.8R	8.7	10.3	10.9	11.4	11.7	12.0	U12.4R	12.1	10.9	10.6	9.1	6.2	3.6	U3.6R	3.6F	J3.2R
25	3.8	3.5	3.5	3.4	3.5F	3.3	2.9	4.5	5.7	6.8	I7.1C	7.5	8.4	10.2	10.8	10.5	U9.6R	8.0	U3.8F	F	N	R	F	J2.4F
26	F	J4.0F	F	U3.3F	2.8F	2.4F	U2.7F	3.0	4.0	4.3	4.16	4.9	5.5	6.5	7.2F	7.5	8.6	6.2F	F	U3.7F	F	F	J2.9F	F
27	U2.5F	F	F	F	F	J1.8F	U2.8F	C	5.2	6.5	7.6	8.4	9.0	I8.7C	8.5	9.1	7.8	7.7	4.7	4.3	U2.7F	2.0	1.9	2.1
28	F	J2.3F	F	F	U1.9F	F	F	3.8	4.7	5.6	6.6	7.2	7.1	6.9	7.7	7.0	6.5F	5.3	F	U4.0F	F	3.4	3.0	3.3
29	3.0	2.9	F	2.5	A	U2.6R	F	4.2F	U6.8F	7.6	8.8	8.9	9.5	9.8	10.1	10.5	C	6.7	U4.6F	3.9F	3.1F	2.6F	2.7F	D2.4R
30	U2.6F	2.5	F	2.4F	2.1	2.0	F	U3.7F	5.3	7.7	8.6	9.6	10.1	10.0	11.0	9.4	8.9	6.6	5.7	4.4	3.6F	2.6F	2.9F	2.7F
31	2.7	2.6	2.6	U2.3F	F	F	U2.0F	3.7	5.2	6.8	8.0	8.5	8.6	9.1	8.7	8.5	7.7	7.3	U4.7F	U3.6F	U3.2F	2.4	1.8	F
квартал	2.9/4.2	2.9/4.0	2.7/3.9	2.5/3.8	2.1/3.6	2.3/3.4	2.9/3.6	3.9/5.9	5.2/7.9	6.2/9.6	7.1/10.4	7.4/10.9	8.1/10.6	8.3/11.0	8.4/11.0	8.0/10.7	7.8/10.3	6.7/9.5	5.3/8.4	4.4/7.3	3.6/6.1	3.6/4.9	2.9/4.4	2.8/4.2
Медиана	3.8	3.5	3.5	3.2	3.0	2.6	3.4	4.8	6.0	7.5	8.2	8.7	9.0	9.9	9.5	9.2	8.8	7.9	7.0	5.9	5.2	4.5	3.7	U3.8
Учтено	26	26	23	26	22	25	25	30	31	31	30	30	28	28	28	29	29	30	27	27	26	26	27	27
Диапазон	1.3	1.1	1.2	1.3	1.5	1.1	0.7	2.0	2.7	3.4	3.3	3.5	2.5	2.7	2.6	2.7	2.5	2.8	3.1	2.9	2.5	1.3	1.5	1.4

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**НИРФИ**  
(институт)

Станция Горький НИРФИ

## ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Густовой

Долгота 56° 09' N широта 44° 12' E

поясное время 45° E

Кем подсчитана Барановой

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	E1.5B	E1.7B	E	E	E	E	2.0	1.9G	G	3.1	J4.8X	3.7	J4.5X	5.1	4.8	3.1	2.7	2.8	2.5	J2.3X	J2.3X	E1.5B	E1.2S	E1.6S	
2	E1.5S	E	E1.2S	1.2	E	1.2	1.3G	G	2.6	3.3	3.5	J4.4X	J6.4X	4.0	J4.3X	3.0	3.0	2.7H	2.0	1.3	E1.3B	E1.2S	E1.3B	E1.1B	
3	1.2	E1.2B	E	2.6	J2.2X	J2.8X	J2.3X	2.4	3.7	3.5	4.3	5.0	J4.9X	4.9	3.6	3.0	G	J3.9X	J1.4X	2.1	2.6	2.8	J3.3X	3.4	
4	E1.3B	1.9	J2.6X	1.9	J3.0X	1.7	2.0	2.0	2.3G	2.6G	G	3.2	3.2	3.3	3.0	2.7	G	G	C	E1.2S	E1.5S	E1.6B	E1.6S	E1.2S	
5	E1.7S	E1.3B	E	E	E	E	G	G	2.1G	G	3.0	J3.6X	3.4	3.3	3.1	J3.8X	C	2.6	2.3	2.0	2.0	J2.1X	2.1	E1.5B	
6	4.5	J2.9X	E1.2S	E1.1B	E	E1.1B	G	G	G	2.0G	G	G	2.6G	2.5G	G	G	2.9	G	G	J3.3X	J2.9X	3.9	2.0	2.5	
7	2.4M	B	B	B	1.4	1.4	1.8	2.1	G	G	G	G	G	G	G	G	G	G	E	E	E	E1.2S	E1.4S	E1.4S	
8	E1.5S	E	E	H	1.4	1.6	G	G	2.6	G	G	G	C	C	C	G	G	1.8	E	J1.7X	J2.9X	J1.9X	1.8	E1.6S	
9	E1.5S	1.6	E1.5S	2.1	E1.2S	E	J1.9X	G	G	2.8	3.0	3.0	2.8G	G	J2.9R	G	G	G	1.5	1.6	2.0	1.7	E1.2S	E1.5B	
10	E1.2B	E	E1.2B	E	E	E	1.8	G	G	G	2.8G	G	G	4.0	G	1.9G	1.8G	G	E1.3S	E1.3S	E1.4S	E1.3B	E1.2S	E1.4S	
11	E1.5S	E1.6S	E	J1.8X	E1.5B	1.2	E1.8B	2.4	3.1	G	G	3.3	3.4	3.3	G	2.7	2.0G	J2.0X	E1.2B	E1.5S	1.5	2.2	3.3	2.2	
12	E1.5B	E1.1B	E	J1.7X	2.7	E	G	1.9G	2.4G	G	3.2	U3.6R	3.0G	3.5	2.8G	J3.3X	2.7	2.5	1.2	E1.2B	E1.1B	E1.3S	E1.5S	E1.4B	
13	E1.2S	E	1.5	1.4	E1.2B	1.5	E1.4B	G	2.6	G	3.5	3.3	3.5	3.3	G	G	2.5G	2.0	2.7M	E1.5S	E1.6B	J2.8X	2.1	J2.0X	
14	J2.3X	J1.9X	J1.9X	1.9	E1.3B	E1.1B	E1.3B	G	2.0G	G	3.6	3.7	3.3	G	2.5G	2.6G	1.9G	G	2.4M	2.0	E1.5S	E2.0S	E1.7S	E1.9B	
15	E1.4B	E1.4B	E1.1B	E1.1B	E	1.2	E1.4B	G	2.9	G	3.8	3.6	3.7	3.6	3.1	1.7G	1.6G	G	E1.8B	E1.4S	E2.0S	E1.5S	E1.4S	E1.5S	
16	E1.3B	E	1.4	2.0	1.4	J1.9X	1.4	G	3.0H	4.0	3.6	4.0	3.7	4.0	2.0G	J3.1X	1.5G	C	2.9	E1.3B	2.5	2.5	J2.9X	J2.3X	
17	J2.9X	J2.2X	J2.0X	J2.0X	1.7	1.7	E1.6B	G	2.7	G	3.1	3.4	3.0G	2.0G	2.1G	3.0H	2.2	J2.3X	2.6	1.6	E	E1.2B	E1.2S	1.8	
18	2.2	E1.8B	E1.6B	J2.3X	C	C	1.6	2.0	2.6	3.1	3.7	J4.1X	3.0	3.3	J3.6X	J4.0X	2.4H	2.0	2.2	J1.9X	J2.8X	E1.5S	E1.2S	E1.5S	
19	E1.4S	E1.3S	E	E1.1B	1.4	E	1.5	G	2.4	2.7	3.1	3.4	3.2	G	2.5G	3.1	J3.3X	J3.8X	J3.3X	J3.8X	2.4	2.3	2.3	2.1	
20	J1.7X	J1.8X	J2.3X	J1.9X	1.4	J2.3X	1.5	1.9	2.2G	3.0	3.0	C	G	G	3.0	2.5	1.6G	J2.2X	1.3	E1.1B	J2.3X	E	E1.5B	E	
21	J1.9X	E	E1.3S	E1.1B	E	E	E1.2S	2.0	C	C	C	C	C	C	C	C	G	G	E	E	E1.4S	E1.4S	E1.2B	J2.8X	
22	J2.2X	1.9	E	E	E1.1B	E	E	G	2.7	3.5	3.8	3.0	3.6	4.1	4.0	2.7	2.0	J2.3X	3.5	J3.1X	2.6	E1.8S	E1.8B	2.8	
23	E2.0S	E1.7S	E1.5S	1.4	1.3	1.1	E	G	2.5	2.9	3.0	3.0	C	C	C	C	C	C	C	C	C	2.4	2.2	2.0	
24	1.9	E1.8S	E1.6S	1.6	1.4	1.2	E1.5B	1.6	2.4	2.6	J3.3X	J3.8X	2.5G	J3.4X	3.1	2.5	G	E1.3B	E1.4B	E2.0S	E1.6B	E1.7B	E1.8B	E	
25	E1.6B	E1.4B	E1.3B	E1.1B	E	1.2	E1.4B	G	2.0	2.4	C	2.8	3.2	2.6	2.7	2.2	1.6G	1.4	E	J3.2X	2.1	1.5	E1.4B	E	
26	E2.0S	E1.5B	E1.3B	E	E	E	E1.4B	E1.9C	2.1	U2.7R	3.0	2.7	Y	2.4G	2.5	2.3	G	G	E	E	E1.2S	E1.2B	E1.4B	E	
27	E1.6B	E1.8S	E1.7S	E	E1.2B	J1.3X	E1.5S	C	2.4	2.5	G	G	G	C	G	G	2.0	1.6	E1.2S	J1.8X	E1.4S	E	E1.3S	E	
28	E1.5S	J1.8X	J1.8X	J2.3X	J1.9X	1.5	E1.6S	J3.3X	2.4	J3.8X	3.5	2.9	2.2G	2.5G	2.3G	2.0G	2.6	J2.9X	J2.3X	E1.5B	E1.6S	2.0	E1.4S	E1.5S	
29	E1.5S	J2.6X	J3.3X	J3.3X	4.0	J2.7X	J2.8X	2.0	2.5	2.6	3.3H	2.8	3.2	3.1	G	2.7	C	J3.0X	J3.4X	2.9	1.3B	J2.5X	2.3	J2.5X	
30	J2.8X	J2.3X	1.3	J2.9X	E1.1B	1.3	1.6	2.0	2.7	2.7	G	G	3.0	2.6G	2.7	2.0G	2.0	J3.0X	J2.6X	1.5	E1.4B	E1.4B	E1.2B	E1.1B	
31	E1.3B	E	1.5	1.5	J2.6X	J1.9X	E	2.0	2.2	2.4	2.5	G	G	G	G	G	G	E1.2S	E	E	E	E	E	E1.5S	E1.9S
квартал	E1.4/2.0	E1.1/1.8	E/1.8	E1.1/2.0	E/1.5	E/1.6	E1.4/1.7	G/2.0	2.4/2.6	G/3.0	G/3.6	G/3.6	3.0/3.5	G/3.6	2.7/3.1	2.5/3.0	2.0/2.4	G/2.6	E1.2/2.6	E1.3/2.0	E1.4/2.3	E1.3/2.2	E1.3/2.1	E1.2/2.1	
Минимум	E1.5S	E1.6B	E1.3	1.5	E1.3	1.2	U1.6	G	G	G	3.1	3.2	3.2	3.3	G	G	G	2.0	G	U1.5	E1.6	E1.6	E1.5S	E1.5S	
Участки	31	30	30	29	30	30	31	30	30	30	29	29	27	27	28	29	28	29	29	30	30	31	31	31	
Диапазон	D0.6	D0.7	D0.6	D0.9	D0.5	D0.6	D0.4		0.2	D0.3	D0.7	D0.6	0.5	D0.6	0.4	0.5	0.4	0.8	D1.4	D0.7	D0.9	D0.9	D0.8	D0.9	

Пробег частоты от 1.0 МГц до 18.0 МГц 20 сек

Станция АВТОМАТИЧЕСКАЯ  
(ручная, автоматическая)

# МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД



Мин Мгц октябрь 1960  
(характеристика) (единица) (месяц) (год)

НИРФИ  
(институт)

Станция Горький НИРФИ

Кем составлена Хвостовой

Долгота 56°09' N широта 44°17' E

## ИОНОСФЕРНЫЕ ДАННЫЕ

Кем подсчитана Барановой

поясное время 45°E

Дни	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	1.5	1.7	1.0	1.0	1.0	1.0	1.0	1.5	1.0	1.0	1.4	E1.5S	1.5	1.5	1.4	1.3	1.4	1.2	1.0	1.0	1.0	1.5	E1.2SE1.6S	
2	E1.5S	1.0	E1.2S	1.0	1.0	1.0	1.0	1.6	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.0	1.3	E1.2S	1.3	1.1	
3	1.0	1.2	1.0	1.2	1.0	1.0	1.0	1.5	1.6	1.5	1.5	1.7	1.5	1.6	1.7	1.6	1.5	1.0	1.0	E1.2S	E1.6S	1.3	1.2	1.4
4	1.3	1.0	1.3	1.2	1.0	1.0	1.0	1.5	2.0	1.5	1.7	1.7	1.8	1.6	1.7	1.6	1.5	1.3	C	E1.2S	E1.5S	1.6	E1.6S	E1.2S
5	E1.7S	1.3	1.0	1.0	1.0	1.0	1.0	1.5	1.7	1.7	1.6	1.2	1.8	1.4	1.5	1.6	C	1.4	1.0	1.0	E1.2SE1.6S	E1.5S	1.5	
6	1.5	1.4	E1.2S	1.1	1.0	1.1	1.0	1.3	1.1	1.4	1.3	1.2	1.4	1.6	1.5	1.5	1.3	1.4	1.0	1.0	E1.2S	1.3	1.0	1.5
7	E2.0S	B	B	B	B	1.0	1.0	1.3	1.2	1.5	1.3	1.5	1.5	1.4	1.4	1.4	1.3	1.0	1.0	1.0	1.0	E1.2SE1.4SE1.4S		
8	E1.5S	1.0	1.0	1.0	1.0	1.0	E1.2S	1.7	1.6	1.7	1.7	1.7	C	C	C	1.6	1.2	1.0	1.0	1.0	1.0	1.0	E1.2SE1.6S	
9	E1.5S	E1.5S	E1.5S	E1.8S	E1.2S	1.0	E1.2S	1.4	1.2	1.2	1.3	1.6	1.7	1.9	1.7	2.1	1.7	1.3	1.0	1.0	1.0	1.0	E1.2S	1.5
10	1.2	1.0	1.2	1.0	1.0	1.0	1.0	1.1	1.6	1.2	1.9	1.7	1.0	1.0	1.6	1.6	1.5	1.6	E1.3S	E1.3S	E1.4S	1.3	E1.2SE1.4S	
11	E1.5S	E1.6S	1.0	1.0	1.5	1.1	1.8	1.9	2.0	2.5	2.1	2.0	1.6	1.6	1.9	1.8	E1.2S	E1.3S	1.2	E1.5S	E1.3S	1.0	1.0	1.0
12	1.5	1.1	1.0	1.0	1.0	1.0	1.0	1.6	1.4	1.6	1.7	2.0	1.8	2.0	1.5	1.3	1.6	1.0	1.0	1.2	1.1	E1.3SE1.5S	1.4	
13	E1.2S	1.0	1.1	1.0	1.2	1.3	1.4	1.8	2.0	1.9	2.0	1.9	1.7	1.8	1.7	1.5	1.4	1.5	E1.5S	E1.5S	1.6	E1.7S	E1.8S	E1.5S
14	E1.6S	1.1	1.5	1.0	1.3	1.1	1.3	1.5	1.6	1.0	1.7	1.7	1.4	1.6	1.5	1.4	1.4	1.6	E1.5S	E1.4S	E1.5S	E2.0SE1.7S	1.9	
15	1.4	1.4	1.1	1.1	1.0	1.0	1.4	1.4	1.6	1.6	1.5	1.6	1.4	E1.4S	1.3	1.4	1.4	1.0	1.8	E1.4S	E2.0SE1.5S	E1.4S	E1.5S	
16	1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.6	1.6	1.1	1.6	1.4	1.7	1.7	1.3	1.4	1.1	C	1.4	1.3	E1.2S	1.7	E1.1S	1.0
17	E1.7S	E1.6S	E1.5S	E1.2S	1.3	1.0	1.6	1.4	1.6	1.4	1.6	1.5	1.4	1.4	1.1	1.2	1.1	1.0	E1.2SE1.3S	1.0	1.2	E1.2S	1.5	
18	1.5	1.8	1.6	1.2	C	C	1.0	1.5	1.7	1.7	1.7	1.7	1.7	1.5	1.5	1.5	1.5	1.0	E1.3S	1.0	E1.3S	E1.5S	E1.2SE1.5S	
19	E1.4S	E1.3S	1.0	1.1	1.0	1.0	1.0	1.1	1.2	1.6	1.7	1.5	1.5	1.7	1.8	1.5	1.2	1.0	1.0	E1.4S	E2.0SE1.4S	E1.7S	E1.7S	
20	E1.4S	E1.4S	1.0	1.0	1.0	1.0	1.0	1.4	1.4	1.7	1.6	C	1.8	2.1	1.4	1.7	1.4	1.0	1.0	1.1	1.0	1.0	1.5	1.0
21	E1.7S	1.0	E1.3S	1.1	1.0	1.0	E1.2S	1.5	1.2	E1.4C	C	C	C	C	C	C	1.5	1.0	1.0	1.0	E1.4SE1.4S	1.2	E1.5S	
22	E1.3S	1.4	1.0	1.0	1.1	1.0	1.0	1.7	1.7	1.7	1.7	1.8	1.9	1.8	1.7	1.3	1.1	1.0	E1.7S	E1.3S	E1.5S	E1.8S	E1.8SE2.0S	
23	E2.0S	E1.7S	E1.5S	1.0	1.0	1.0	1.0	1.4	1.2	1.3	1.4	1.7	C	C	C	C	C	C	C	C	C	C	C	E1.2SE1.3SE1.5S
24	1.4	E1.8S	E1.6S	1.0	1.0	1.0	1.5	1.4	1.5	1.4	1.4	1.4	1.8	1.8	1.7	1.0	1.4	1.3	1.4	E2.0S	1.6	1.7	1.8	1.0
25	1.6	1.4	1.3	1.1	1.0	1.0	1.4	1.3	1.4	1.4	C	1.6	1.5	1.4	1.2	1.1	1.0	1.0	1.0	E1.3S	1.0	1.0	1.4	1.0
26	E2.0S	1.5	1.3	1.0	1.0	1.0	1.4	E1.9C	1.3	1.4	1.3	1.2	1.3	1.4	1.0	1.0	1.4	1.0	1.0	1.0	E1.2S	1.2	1.4	1.0
27	1.6	E1.8S	E1.7S	1.0	1.2	1.0	E1.5S	C	1.7	1.9	1.7	1.4	1.2	C	1.6	1.6	1.3	1.0	E1.2SE1.2S	E1.4S	1.0	E1.3S	1.0	
28	E1.5S	1.0	E1.5S	E1.2S	1.2	1.0	E1.6S	1.4	1.6	1.6	1.9	1.7	1.0	1.4	1.4	1.3	1.5	1.0	1.5	1.5	E1.5S	E1.5S	E1.4SE1.5S	
29	E1.5S	E1.4S	E1.5S	1.0	1.0	1.1	1.3	1.3	1.6	1.9	1.9	2.0	1.9	1.9	2.4	1.7	C	1.0	E1.2SE1.2S	1.3	E1.2S	E1.4SE1.2S		
30	E1.5S	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.7	1.4	1.5	1.7	1.5	1.4	1.5	1.4	1.0	1.0	1.0	1.0	1.4	1.4	1.2	1.1
31	1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.4	1.3	1.5	1.5	1.6	1.6	1.8	1.4	1.4	E1.2S	1.0	1.0	1.0	E1.2SE1.5SE1.9S		
квартал	E1.4/E1.6	1.0/E1.5	1.0/E1.5	1.0/1.1	1.0/1.2	1.0/1.0	1.0/1.4	1.3/1.6	1.3/1.7	1.4/1.7	1.4/1.7	1.5/1.7	1.4/1.8	1.4/1.8	1.4/1.7	1.3/1.6	1.2/1.5	1.0/1.3	1.0/E1.4	1.0/E1.3	1.0/E1.5	1.1/E1.5	E1.2/E1.5	1.0/E1.5
Медиана	E1.5	U1.2	U1.1	1.0	1.0	1.0	1.0	1.4	1.6	1.5	1.6	1.6	1.5	1.6	1.5	1.5	1.4	1.0	1.0	U1.1	E1.3	U1.2	E1.4	U1.2
Учетно	31	30	30	30	29	30	31	30	31	31	29	29	28	27	28	29	28	29	29	30	30	31	31	31
Диапазон		E0.5	E0.5	0.1	0.2		0.4	0.3	0.4	0.3	0.3	0.2	0.4	0.4	0.3	0.3	0.3	0.3	0.3	E0.4	E0.3	E0.5	E0.4	E0.5

Пробер частоты от 1.0 Мгц до 18.0 Мгц 20 сек

мин.

Станция

автоматическая

(лучшая, автоматическая)

# МЕЖДУНАРОДНЫЙ ГЕОФИЗИЧЕСКИЙ ГОД



**foEs** Мгц октябрь 1960  
(характеристика) (единицы) (месяц) (год)

**НИРФИ**  
(институт)

Станция Горький НИРФИ

## ИОНОСФЕРНЫЕ ДАННЫЕ

Кем составлена Густовой

Долгота 56° 09' N широта 44° 12' E

полосное время 45° E

Кем подсчитана Барановой

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	E1.5B	E1.7B	E	E	E	E	2.0	1.9G	G	3.1	J4.8X	3.7	J4.5X	5.1	4.8	3.1	2.7	2.8	2.5	J2.3X	J2.3X	E1.5B	E1.2S	E1.6S	
2	E1.5S	E	E1.2S	1.2	E	1.2	1.3G	G	2.6	3.3	3.5	J4.4X	J6.4X	4.0	J4.3X	3.0	3.0	2.7H	2.0	1.3	E1.3B	E1.2S	E1.3B	E1.1B	
3	1.2	E1.2B	E	2.6	J2.2X	J2.8X	J2.3X	2.4	3.7	3.5	4.3	5.0	J4.9X	4.9	3.6	3.0	G	J3.9X	J1.4X	2.1	2.6	2.8	J3.3X	3.4	
4	E1.3B	1.9	J2.6X	1.9	J3.0X	1.7	2.0	2.0	2.3G	2.6G	G	3.2	3.2	3.3	3.0	2.7	G	G	C	E1.2S	E1.5S	E1.6B	E1.6S	E1.2S	
5	E1.7S	E1.3B	E	E	E	E	G	G	2.1G	G	3.0	J3.6X	3.4	3.3	3.1	J3.8X	C	2.6	2.3	2.0	2.0	J2.1X	2.1	E1.5B	
6	4.5	J2.9X	E1.2S	E1.1B	E	E1.1B	G	G	G	2.0G	G	G	2.6G	2.5G	G	G	2.9	G	G	J3.3X	J2.9X	3.9	2.0	2.5	
7	2.4M	B	B	B	1.4	1.4	1.8	2.1	G	G	G	G	G	G	G	G	G	G	E	E	E	E1.2S	E1.4S	E1.4S	
8	E1.5S	E	E	H	1.4	1.6	G	G	2.6	G	G	G	C	C	C	G	G	1.8	E	J1.7X	J2.9X	J1.9X	1.8	E1.6S	
9	E1.5S	1.6	E1.5S	2.1	E1.2S	E	J1.9X	G	G	2.8	3.0	3.0	2.8G	G	J2.9R	G	G	G	1.5	1.6	2.0	1.7	E1.2S	E1.5B	
10	E1.2B	E	E1.2B	E	E	E	1.8	G	G	G	2.8G	G	G	4.0	G	1.9G	1.8G	G	E1.3S	E1.3S	E1.4S	E1.3B	E1.2S	E1.4S	
11	E1.5S	E1.6S	E	J1.8X	E1.5B	1.2	E1.8B	2.4	3.1	G	G	3.3	3.4	3.3	G	2.7	2.0G	J2.0X	E1.2B	E1.5S	1.5	2.2	3.3	2.2	
12	E1.5B	E1.1B	E	J1.7X	2.7	E	G	1.9G	2.4G	G	3.2	U3.6R	3.0G	3.5	2.8G	J3.3X	2.7	2.5	1.2	E1.2B	E1.1B	E1.3S	E1.5S	E1.4B	
13	E1.2S	E	1.5	1.4	E1.2B	1.5	E1.4B	G	2.6	G	3.5	3.3	3.5	3.3	G	G	2.5G	2.0	2.7M	E1.5S	E1.6B	J2.8X	2.1	J2.0X	
14	J2.3X	J1.9X	J1.9X	1.9	E1.3B	E1.1B	E1.3B	G	2.0G	G	3.6	3.7	3.3	G	2.5G	2.6G	1.9G	G	2.4M	2.0	E1.5S	E2.0S	E1.7S	E1.9B	
15	E1.4B	E1.4B	E1.1B	E1.1B	E	1.2	E1.4B	G	2.9	G	3.8	3.6	3.7	3.6	3.1	1.7G	1.6G	G	E1.8B	E1.4S	E2.0S	E1.5S	E1.4S	E1.5S	
16	E1.3B	E	1.4	2.0	1.4	J1.9X	1.4	G	3.0H	4.0	3.6	4.0	3.7	4.0	2.0G	J3.1X	1.5G	C	2.9	E1.3B	2.5	2.5	J2.9X	J2.3X	
17	J2.9X	J2.2X	J2.0X	J2.0X	1.7	1.7	E1.6B	G	2.7	G	3.1	3.4	3.0G	2.0G	2.1G	3.0H	2.2	J2.3X	2.6	1.6	E	E1.2B	E1.2S	1.8	
18	2.2	E1.8B	E1.6B	J2.3X	C	C	1.6	2.0	2.6	3.1	3.7	J4.1X	3.0	3.3	J3.6X	J4.0X	2.4H	2.0	2.2	J1.9X	J2.8X	E1.5S	E1.2S	E1.5S	
19	E1.4S	E1.3S	E	E1.1B	1.4	E	1.5	G	2.4	2.7	3.1	3.4	3.2	G	2.5G	3.1	J3.3X	J3.8X	J3.3X	J3.8X	2.4	2.3	2.3	2.1	
20	J1.7X	J1.8X	J2.3X	J1.9X	1.4	J2.3X	1.5	1.9	2.2G	3.0	3.0	C	G	G	3.0	2.5	1.6G	J2.2X	1.3	E1.1B	J2.3X	E	E1.5B	E	
21	J1.9X	E	E1.3S	E1.1B	E	E	E1.2S	2.0	C	C	C	C	C	C	C	C	G	G	E	E	E1.4S	E1.4S	E1.2B	J2.8X	
22	J2.2X	1.9	E	E	E1.1B	E	E	G	2.7	3.5	3.8	3.0	3.6	4.1	4.0	2.7	2.0	J2.3X	3.5	J3.1X	2.6	E1.8S	E1.8B	2.8	
23	E2.0S	E1.7S	E1.5S	1.4	1.3	1.1	E	G	2.5	2.9	3.0	3.0	C	C	C	C	C	C	C	C	C	2.4	2.2	2.0	
24	1.9	E1.8S	E1.6S	1.6	1.4	1.2	E1.5B	1.6	2.4	2.6	J3.3X	J3.8X	2.5G	J3.4X	3.1	2.5	G	E1.3B	E1.4B	E2.0S	E1.6B	E1.7B	E1.8B	E	
25	E1.6B	E1.4B	E1.3B	E1.1B	E	1.2	E1.4B	G	2.0	2.4	C	2.8	3.2	2.6	2.7	2.2	1.6G	1.4	E	J3.2X	2.1	1.5	E1.4B	E	
26	E2.0S	E1.5B	E1.3B	E	E	E	E1.4B	E1.9C	2.1	U2.7R	3.0	2.7	Y	2.4G	2.5	2.3	G	G	E	E	E1.2S	E1.2B	E1.4B	E	
27	E1.6B	E1.8S	E1.7S	E	E1.2B	J1.3X	E1.5S	C	2.4	2.5	G	G	G	C	G	G	2.0	1.6	E1.2S	J1.8X	E1.4S	E	E1.3S	E	
28	E1.5S	J1.8X	J1.8X	J2.3X	J1.9X	1.5	E1.6S	J3.3X	2.4	J3.8X	3.5	2.9	2.2G	2.5G	2.3G	2.0G	2.6	J2.9X	J2.3X	E1.5B	E1.6S	2.0	E1.4S	E1.5S	
29	E1.5S	J2.6X	J3.3X	J3.3X	4.0	J2.7X	J2.8X	2.0	2.5	2.6	3.3H	2.8	3.2	3.1	G	2.7	C	J3.0X	J3.4X	2.9	1.3B	J2.5X	2.3	J2.5X	
30	J2.8X	J2.3X	1.3	J2.9X	E1.1B	1.3	1.6	2.0	2.7	2.7	G	G	3.0	2.6G	2.7	2.0G	2.0	J3.0X	J2.6X	1.5	E1.4B	E1.4B	E1.2B	E1.1B	
31	E1.3B	E	1.5	1.5	J2.6X	J1.9X	E	2.0	2.2	2.4	2.5	G	G	G	G	G	G	L1.2S	E	E	E	E	E	E1.5S	E1.9S
Минимум	F14/20	E11/18	E/18	E11/20	E/15	E/16	E14/17	G/2.0	2.4/2.6	G/3.0	G/3.6	G/3.6	3.0/3.5	G/3.6	2.7/3.1	2.5/3.0	2.0/2.4	G/2.0	E12/18	E11/20	E14/23	E11/23	E11/23	E11/21	
Максимум	1.8S	1.6B	1.3	1.5	E1.3	1.2	U1.6	G	G	G	3.1	3.5	3.2	3.3	G	G	G	2.0	0	U1.1	1.0	1.0	1.16S	E1.5S	
Участки	31	30	30	29	30	30	31	30	30	30	29	27	27	27	28	29	28	29	29	30	30	31	31	31	
Диапазон	0.6	0.6	0.6	0.9	0.5	0.6	0.4		0.2	0.3	0.7	0.7	0.1	0.6	0.4	0.5	0.4	0.8	D1.4	D0.7	D0.9	D0.9	D0.8	D0.9	