

Магнитное склонение $D = I2^{\circ}$ + табличное значение в минутах
 Широта $68^{\circ}37,2$ Долгота $33^{\circ}18,0$

Д	Н	И	Время миро- вое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.
D	1			-2.4	-4.2	-5.3	0.1	0.6	0.3	1.2	0.8	0.6	1.2	0.1	0.5	0.5	0.9	1.0	1.3	0.5	4.9	7.2	1.4	1.5	1.4	1.4	1.3	0.8
	2			4.6	8.3	1.3	0.6	0.1	-1.5	-1.7	-1.6	1.3	4.7	2.9	-0.1	-0.5	-5.9	4.3	5.2	-1.6	0.8	1.5	6.1	3.2	4.1	10.0	19.0	2.7
	3			1.7	9.8	-1.5	2.5	-13.7	-9.8	-8.3	-2.7	-0.4	0.9	-4.1	-8.9	6.9	-7.4	-10.3	0.5	-2.7	10.9	27.5	5.7	5.2	8.0	4.0	6.1	0.8
	4			18.5	17.1	-0.4	-2.7	-3.4	-3.0	-2.7	-2.7	-1.9	0.1	-0.1	-1.9	-5.0	-0.4	-4.7	1.2	-1.5	9.3	4.5	4.6	3.6	1.7	6.1	3.6	1.7
	5			3.9	3.9	1.6	-0.5	0.1	0.5	0.4	-2.0	0.8	-0.7	0.4	0.6	-1.7	-1.6	7.1	1.8	-0.6	3.0	13.9	0.5	1.5	1.7	1.6	5.3	2.7
Q	6			4.9	2.7	1.8	0.5	0.6	0.8	1.3	1.0	1.6	0.6	0.4	0.7	1.0	0.9	1.7	1.4	1.6	2.9	2.8	3.9	2.3	1.7	1.5	1.4	1.7
	7			1.3	0.9	1.0	0.9	1.4	1.8	2.4	1.8	1.6	1.3	0.9	0.7	0.5	0.6	0.7	0.6	1.3	1.6	1.6	1.2	0.7	1.4	1.5	1.2	
	8			1.2	0.8	1.3	1.7	1.6	1.6	1.7	2.4	1.8	0.7	0.6	0.9	1.0	0.9	0.6	0.6	0.8	0.7	0.7	0.6	0.7	0.7	0.6	1.0	
	9			0.7	0.7	0.6	0.6	0.7	1.3	0.9	0.7	0.9	0.7	0.3	-0.5	0.2	-0.1	-0.3	-0.5	-0.7	-0.7	-0.5	-0.6	0.6	0.7	0.9	2.3	0.3
	10			2.5	2.7	2.8	1.6	0.2	-0.4	-0.4	-0.5	-1.3	-1.3	-2.4	-0.6	-1.5	-0.8	-0.5	-1.0	-1.7	-0.7	-2.7	18.3	4.9	6.0	1.8	0.6	1.1
Q	11			1.9	1.7	2.7	1.4	1.7	2.5	1.3	-0.4	0.7	0.5	-0.6	-2.7	0.2	-0.4	-2.0	11.4	4.9	-0.5	-0.8	0.3	1.3	1.5	3.5	7.8	1.6
	12			7.1	4.7	4.0	2.8	1.6	0.6	0.7	0.6	0.7	0.8	1.5	1.6	1.0	0.7	-0.1	-0.2	2.8	-0.4	-0.4	0.5	1.6	2.4	1.8	1.6	1.6
	13			1.0	1.7	1.0	0.6	0.5	0.3	0.4	-0.2	-0.6	-0.7	-0.6	-0.6	0.3	-0.2	-2.9	-0.6	-0.8	-1.5	-3.1	-3.6	-5.1	-0.2	2.8	2.9	-0.3
	14			2.8	5.4	0.7	-0.4	-0.7	0.2	-2.5	1.4	3.8	1.8	0.9	1.7	-0.6	0.5	0.6	-3.8	-7.3	-0.6	-0.5	-1.5	-0.9	-0.4	0.6	3.4	0.2
	15			1.6	1.6	0.9	0.9	1.6	2.7	3.8	-1.7	-4.0	4.6	-0.8	-5.2	-16.7	-12.7	-5.2	-5.0	-5.2	-1.2	-0.6	2.6	6.0	27.3	13.0	9.8	0.8
D	16			6.2	3.5	2.7	0.8	-1.2	-0.6	-0.6	0.6	-1.6	-2.6	-4.6	-6.2	-6.0	-3.7	-2.6	0.4	-0.2	0.1	0.4	1.2	2.1	8.2	6.9	4.0	0.3
	17			2.6	1.6	0.9	0.5	-0.4	-1.4	-2.4	-0.5	0.4	-1.6	0.6	-0.7	-1.8	-3.0	-0.6	-0.9	0.7	-1.6	-0.8	1.4	5.2	2.1	5.5	5.8	0.5
	18			3.1	2.3	1.6	-1.7	-3.2	-3.4	-1.4	-0.8	-																

ЛОПАРСКАЯ
Январь 1971 года

Горизонтальная составляющая
Широта 68°37'2 Долгота 33°18'0
H = 11800 + табличное значение в гаммах

Дни	Время миро- вое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Средн. суточн.	
D	1	9	-7	-9	22	17	18	17	16	15	17	14	13	15	16	21	18	19	32	-6	29	23	16	15	16	15
	2	-21	-53	16	19	13	18	24	24	15	12	10	19	19	34	92	63	61	58	-53	14	10	-6	-51	-128	13
	3	-128	-46	-9	-31	-4	5	3	7	22	46	58	66	101	105	145	42	36	-114	-37	-179	-14	-57	-309	-226	-22
	4	-92	-66	22	46	27	25	26	11	12	11	21	27	18	11	121	29	29	39	-39	20	8	1	-43	-10	11
	5	-11	-16	-44	5	18	18	11	11	10	16	17	14	21	14	24	26	19	28	44	26	17	12	-21	-110	6
Q	6	-8	16	16	13	11	14	13	11	10	12	8	10	11	11	7	8	13	18	22	3	4	11	14	14	11
	7	13	14	15	14	14	13	11	6	5	6	10	12	10	12	12	14	14	15	15	15	16	13	13	13	12
	8	13	14	14	16	17	16	16	12	12	12	11	12	14	14	16	15	17	14	14	14	15	15	14	16	14
	9	18	18	18	21	20	19	16	12	12	13	15	18	19	19	21	22	21	19	19	18	16	15	12	14	17
	10	16	18	17	21	23	20	18	19	20	21	21	14	14	17	20	23	20	23	36	42	18	3	12	27	20
Q	11	18	18	18	19	18	13	8	21	18	15	18	16	16	17	19	64	34	25	18	18	14	13	5	-22	18
	12	-5	11	15	18	18	12	13	14	14	13	13	15	15	14	16	15	14	22	21	20	20	19	19	16	16
	13	18	19	17	24	26	22	22	21	20	19	21	22	20	21	29	21	23	24	27	23	18	3	-1	-5	19
	14	-1	-2	15	27	24	18	21	19	14	5	13	22	29	28	44	32	46	18	13	11	5	3	-5	14	17
	15	16	13	8	14	14	17	18	18	22	36	39	54	118	107	73	82	78	31	11	8	-16	-106	-33	-29	25
D	16	-50	3	21	21	22	18	21	12	14	32	39	24	22	18	23	24	16	18	18	15	16	8	5	13	16
	17	18	16	18	20	19	20	19	18	20	20	18	24	24	21	38	37	34	24	23	15	21	26	0	-7	20
	18	16	27	24	24	24	23	19	20	29	40	39	34	40	44	197	92	26	40	56	101	50	5	74	30	45
	19	15	10	28	13	18	13	10	13	16	21	24	24	23	24	24	28	55	-3	33	51	47	5	-72	-60	15
	20	38	103	-16	-33	-73	-5	2	28	39	50	86	42	30	30	107	142	148	183	-1	29	12	3	-92	-181	34
D	21	-78	1	34	31	28	16	4	24	22	15	34	20	26	39	38	46	65	31	24	23	13	20	8	-47	18
	22	19	-29	-11	9	28	23	19	13	6	2	14	14	16	18	20	23	26	27	32	66	65	-3	-31	-15	15
	23	1	-19	12	31	25	24	24	16	14	11	12	12	14	16	20	26	30	45	68	43	30	23	12	10	21
	24	-2	12	6	18	21	20	20	16	14	14	14	15	16	18	20	20	27	29	62	61	-95	5	-25	8	8
	25	-238	3	18	24	22	11	30	24	15	23	18	12	18	42	51	76	95	101	38	15	17	17	21	21	20
Q	26	22	21	21	21	21	21	22	18	18	14	18	19	19	21	22	21	21	21	22	22	22	21	21	20	20
	27	22	22	26	28	34	26	10	-12	60	122	31	42	100	267	190	97	-47	-19	-53	-313	-505	-316	-292	-387	-36
	28	-350	-280	-329	-207	-63	-19	-4	-5	45	58	143	106	80	101	194	120	56	44	-351	-146	-185	-199	-477	-400	-86
	29	663	34	40	3	-1	18	28	22	25	16	10	25	7	12	14	32	30	36	37	-54	-104	-135	-124	-53	24
	30	-17	-78	-30	16	-48	-82	20	28	30	43	45	84	61	42	39	34	22	27	31	-29	-262	-98	-245	-155	-22
D	31	-38	10	17	20	15	16	20	19	37	36	29	18	24	39	31	25	16	69	54	-85	-226	-137	-101	5	-4
Среднее по всем по дням		-3	-6	0	9	16	13	16	15	20	25	28	27	31	38	54	42	34	30	10	-3	-30	-30	-53	-53	9
		12	16	16	18	18	16	16	12	12	12	13	15	15	16	11	17	17	18	18	18	18	16	16	16	15
		-87	-56	-71	-45	-1	-15	6	9	39	64	73	68	74	109	135	87	43	24	-82	-128	-191	-133	-283	-270	-26

Январь 1971 года

Широта $68^{\circ}37,2$ Долгота $33^{\circ}18,0$

Д н и	Время миро- вое	I	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.
D	1	-6	-21	-55	-16	-13	0	5	7	6	3	5	7	9	7	7	8	11	13	21	25	17	3	4	3	2
	2	-25	-99	-37	-23	-29	-7	9	14	15	19	15	14	9	24	89	55	53	24	7	-40	-8	-67	-124	-136	-10
	3	-137	-105	-31	-27	-21	-44	-11	3	30	79	56	47	92	70	45	26	-83	-129	-221	-189	-21	5	-214	-196	-31
	4	-81	-27	14	39	26	21	29	8	23	14	22	39	30	44	35	44	35	10	-131	-95	-26	-35	-27	-29	-1
	5	-10	-13	-31	-14	-5	7	10	14	9	14	14	16	20	33	64	28	18	31	20	3	3	-13	-45	-152	1
Q	6	-61	-7	5	8	3	7	5	3	8	7	11	16	9	13	19	22	19	29	12	-33	-29	-26	-6	2	2
	7	7	8	4	8	9	7	5	3	4	13	14	13	14	15	15	3	3	6	13	1	3	3	6	2	7
	8	3	6	7	-1	11	6	4	13	8	8	12	18	8	7	7	7	7	7	2	1	2	6	6	4	7
	9	2	2	7	1	7	2	3	1	6	8	0	4	2	2	4	1	8	19	7	9	10	6	7	6	5
	10	7	2	-10	2	-5	-1	0	1	-1	-3	-1	5	7	13	13	12	31	20	22	-90	-48	-18	-9	7	-2
Q	11	10	12	7	1	3	2	-1	2	7	1	6	13	7	11	17	53	41	34	7	5	4	0	-10	-78	7
	12	-54	-12	-9	-2	-3	5	0	-4	1	3	10	6	6	7	4	16	12	2	3	1	2	3	-3	0	
	13	-6	-5	-1	3	-2	2	-5	-5	1	3	1	3	3	-5	0	0	2	0	-8	2	-9	-33	-33	-41	-6
	14	-63	-65	-45	-17	-11	-13	-14	-10	3	5	9	21	44	28	19	22	33	23	3	6	1	-12	-19	-9	-2
	15	5	-1	-5	-24	-7	0	6	32	63	46	53	64	97	101	83	76	63	42	23	7	-14	-54	-56	-27	24
D	16	-52	-41	-21	-18	-14	-2	-5	2	10	34	47	42	48	55	45	38	17	12	0	3	14	-14	-29	-5	7
	17	5	0	-5	-7	-3	-8	-11	-8	-4	2	14	4	7	21	57	50	38	33	12	-1	-52	7	-17	-41	4
	18	-21	-12	-11	-7	-10	-8	-7	-13	-10	-5	-6	0	-6	28	-34	24	8	-19	-53	-21	-14	-67	24	36	-7
	19	23	18	22	-8	-6	-3	-2	-6	1	7	10	14	13	12	26	43	36	-76	14	-2	-125	-122	-20	-194	-14
	20	-164	-7	10	-46	-15	-83	-35	-8	14	26	41	34	17	8	58	18	16	-46	-45	18	0	-13	-104	-124	-18
	21	-64	5	50	28	24	-6	-7	15	23	24	33	37	21	39	31	23	-20	3	10	-7	0	-1	6	-37	10
	22	-46	-55	-43	-14	-7	1	16	19	28	23	23	27	18	8	8	7	13	13	26	26	14	-95	-89	-48	-5
	23	-18	-20	-22	7	11	9	1	-6	5	8	13	14	7	8	5	3	33	42	41	24	7	13	-2	1	8
	24	-11	14	19	16	-2	-10	0	5	9	3	9	13	24	8	6	4	19	27	33	24	-92	-186	-51	-72	-8
	25	-78	-62	-11	7	-9	-10	7	7	8	19	19	25	19	33	39	48	69	64	22	26	7	13	1	1	11
Q	26	4	5	13	2	7	6	2	1	4	6	0	-1	2	3	2	3	2	5	-1	2	0	2	-2	3	3
	27	-3	5	-5	2	0	2	14	28	60	71	31	47	127	54	-224	-325	-280	-124	28	14	35	133	183	169	2
	28	57	-67	70	-99	-65	-32	7	14	33	44	48	45	62	88	-2	-185	-187	-135	-12	-19	53	148	228	115	9
	29	-86	-44	6	0	-14	8	17	22	19	20	27	52	42	20	18	33	50	39	11	-71	-28	-10	-81	-34	1
	30	-14	-42	-53	-6	-89	-84	-22	-5	17	29	63	121	68	30	39	35	34	29	19	23	-215	-122	-283	-104	-22
D	31	-51	1	-7	7	7	8	7	11	42	54	40	34	35	61	34	17	27	34	-62	-63	-141	-135	-126	-55	-9
	Среднее по всем	-30	-20	-5	-6	-7	-7	1	5	14	19	21	26	28	27	17	7	4	1	-6	-13	-21	-22	-28	-33	-1
по Q	-8	2	4	2	6	5	3	3	5	8	7	8	6	7	6	6	6	8	5	3	3	4	4	2	4	
по D	-52	-43	-2	-35	-38	-48	-9	6	31	50	48	59	73	50	-17	-86	-100	-81	-46	-31	-30	30	-38	-28	-15	
по дням																										

Февраль 1971 года

Широта $68^{\circ}37'2$; Долгота $33^{\circ}18'0$

Дни	Время миро- вое	I	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.
Q	1	13.5	3.6	1.3	4.2	1.3	1.7	0.6	0.4	1.5	-2.3	0.6	0.9	1.5	-1.8	-0.3	13.7	1.5	0.7	5.4	4.8	5.6	3.7	5.5	4.3	3.0
	2	10.3	11.8	4.2	3.5	4.2	3.0	1.7	0.5	-0.1	0.4	-0.4	-1.7	1.9	2.7	1.5	8.9	4.9	2.7	9.4	1.5	1.2	2.6	3.2	5.5	3.5
	3	2.7	1.8	1.7	2.7	2.6	1.8	1.0	-0.4	0.4	0.1	0.6	1.4	1.0	0.9	0.8	1.0	0.6	3.6	1.5	1.4	1.5	1.4	1.5	1.6	1.3
	4	1.5	1.6	1.6	1.5	2.1	2.1	1.7	0.4	0.2	-1.2	-0.7	-0.9	-0.4	-0.6	-0.2	-2.0	-2.1	6.2	0.6	1.8	0.5	0.5	-0.2	1.4	0.6
	5	1.3	2.4	2.7	2.6	2.4	2.1	1.8	1.3	0.4	-1.6	-1.7	-0.3	-0.4	-0.4	-0.5	-0.4	-0.5	-0.8	-0.4	-0.7	-2.1	4.8	1.6	2.1	0.6
	6	2.1	2.1	1.6	1.6	1.6	1.6	1.5	2.6	-0.1	-1.8	-2.3	-1.5	-2.7	-1.5	-2.9	-2.0	-2.3	-8.4	-2.1	-0.7	1.3	-0.4	1.8	3.6	-0.3
	7	2.1	3.5	2.7	4.7	3.0	1.5	1.5	0.3	-1.0	-2.3	-3.6	-4.7	-3.0	-0.9	-0.2	-0.5	-0.6	-0.8	-0.5	3.5	1.0	2.8	7.6	5.5	0.9
	8	7.0	6.9	2.7	3.2	2.1	-0.7	0.2	-0.1	-0.9	-1.7	-4.1	-2.9	-2.9	-2.7	-2.8	-2.3	3.8	4.3	-0.1	1.5	0.7	3.2	10.2	16.9	1.7
	9	3.9	3.2	2.6	4.7	1.3	0.7	-0.4	0.7	0.9	-1.0	-0.7	-1.7	-5.3	-8.3	-5.0	-1.6	2.4	0.5	1.9	1.4	1.4	1.8	1.4	3.5	0.3
	10	4.0	2.7	2.7	1.6	1.0	1.2	1.6	2.1	1.5	1.7	2.1	1.3	0.2	0.7	-1.2	11.6	-0.8	-0.4	0.5	2.1	18.5	23.2	23.6	7.6	4.5
D	11	1.0	1.8	2.8	3.1	3.0	3.6	3.9	4.0	3.2	3.7	-0.2	0.2	-0.4	-0.1	-0.6	-0.4	-0.9	0.2	1.3	0.6	3.6	4.7	7.2	0.7	1.9
	12	4.0	6.2	3.9	3.2	1.7	0.6	0.1	-0.9	-0.6	-1.6	-2.8	-1.5	-1.3	-1.4	-0.5	6.1	1.9	-2.4	3.5	16.1	14.8	11.4	8.4	2.7	3.0
	13	2.7	2.7	1.4	1.5	0.4	-0.1	0.6	0.7	0.7	1.4	1.3	0.4	-0.1	-0.2	-0.4	0.1	-0.1	0.8	0.5	3.2	2.4	1.3	1.3	0.9	1.0
	14	1.4	1.4	1.0	0.6	-0.4	-1.4	-2.3	-2.6	-2.8	-2.6	-0.5	-2.6	-10.3	-15.8	-19.3	-20.2	-13.9	-16.9	-3.8	17.8	20.0	24.7	15.3	15.9	-0.7
	15	12.7	12.0	16.3	14.8	6.5	2.1	-0.7	-5.1	-3.4	-8.1	-2.4	-5.6	-11.6	-12.6	-6.3	-28.1	-2.6	-6.7	42.1	17.1	4.2	10.8	55.7	30.1	5.5
D	16	64.5	93.1	19.4	10.9	4.3	1.2	-0.3	0.7	-0.1	-0.8	0.5	-3.0	-1.6	-2.0	-5.0	15.2	0.9	-10.1	-9.6	19.3	11.6	27.9	7.6	6.1	10.4
	17	35.6	9.3	11.2	7.5	4.6	1.0	1.7	0.5	1.8	-1.7	-3.9	-3.2	-2.6	4.3	-0.4	2.3	3.7	-0.1	5.2	0.3	2.7	1.5	13.1	14.9	4.6
	18	9.5	15.7	13.8	9.2	3.7	3.0	1.3	-1.6	-0.5	-0.5	-2.4	-6.1	-5.0	-5.7	-3.9	-5.9	0.6	2.5	3.7	-2.0	1.5	3			

Ф е в р а л ь 1971 года

Широта $68^{\circ}37,2$ Долгота $33^{\circ}18,0$

Д н и		Время миро- вое	I	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.
Q Q Q	1	21	-6	23	10	17	17	10	10	32	48	25	32	28	20	41	134	23	15	26	7	1	-3	-22	-26	18	
	2	-55	-32	-4	-5	18	16	12	14	12	12	9	15	11	13	22	32	28	24	32	14	10	-43	0	-1	6	
	3	-23	-4	12	16	18	17	16	18	16	11	10	12	14	17	16	18	20	16	18	17	16	16	16	16	13	
	4	16	18	18	19	20	20	17	18	11	11	7	12	14	20	23	23	26	42	21	26	24	19	21	16	19	
	5	8	11	12	16	17	18	18	16	16	12	15	7	8	13	18	21	21	23	23	24	32	8	20	33	17	
	6	20	22	20	20	20	20	21	15	16	18	15	14	15	16	22	26	41	56	53	23	31	19	15	20	23	
	7	19	16	12	13	18	16	22	22	24	25	16	14	8	20	22	24	27	30	32	46	33	16	-45	-45	16	
	8	-47	3	8	27	23	24	24	21	16	13	12	8	10	20	32	24	57	42	22	20	22	16	-11	-48	14	
	9	8	17	26	22	23	23	24	18	5	8	19	16	31	41	51	34	27	19	18	19	17	17	16	-8	20	
	10	-7	14	16	24	23	23	22	22	18	10	7	8	8	10	31	48	15	17	17	8	5	-38	-80	-44	7	
Q D D	11	2	2	12	16	18	19	20	17	16	10	15	11	9	12	15	23	22	57	62	43	3	-37	-47	-6	13	
	12	14	12	21	24	24	30	31	18	22	20	18	15	15	19	20	54	40	32	21	-22	-48	-30	-27	-6	13	
	13	-27	-7	22	23	26	24	23	23	20	15	10	8	14	17	21	21	20	19	21	24	24	22	22	20	17	
	14	19	22	23	24	23	28	33	26	28	16	12	22	40	94	254	252	139	167	65	-120	-117	-170	-59	-106	30	
	15	-87	-153	-103	-7	23	29	20	5	7	33	16	24	56	107	47	107	167	118	584	-107	-7	-117	-459	-314	-49	
D	16	-896	-922	-78	32	20	39	28	16	25	32	33	37	25	41	66	159	85	128	40	-19	-181	-126	1	-15	-60	
	17	-213	-95	-41	21	20	12	16	18	15	25	23	25	27	44	40	56	48	42	52	33	-10	8	-77	-97	0	
	18	-7	-53	-51	-7	4	24	15	10	-4	4	23	23	22	48	39	43	47	47	39	90	40	2	-190	-209	0	
	19	-94	-70	-64	15	30	28	16	-7	-1	1	18	8	16	17	18	24	18	18	20	20	22	16	3	20	4	
	20	16	8	-24	1	24	26	16	16	7	2	8	10	16	12	16	26	25	37	32	-174	-125	-103	-43	20	-6	
Q D	21	8	-7	12	23	24	16	16	8	-1	1	8	17	27	31	49	65	47	55	31	19	17	22	17	24	22	
	22	-3	18	15	16	17	15	16	3	-15	-4	-4	5	8	15	17	17	17	18	20	22	23	23	22	21	13	
	23	21	15	18	21	28	25	5	5	-13	-17	-15	-20	-17	-10	5	26	9	9	44	-174	-522	-392	-214	-79	-52	
	24	-35	42	22	9	6	5	5	3	4	3	5	3	-6	-1	3	5	23	24	34	39	39	-120	-538	-397	-34	
	25	-364	-251	19	50	42	31	25	6	-3	1	1	28	6	15	230	226	115	-59	-127	-200	-260	-309	-429	-55	-53	
D	26	23	-102	-300	-406	-106	21	27	26	10	7	57	48	45	73	107	80	47	40	64	1	-63	-15	0	-51	-15	
	27	-133	-40	16	24	16	13	8	8	2	1	-1	5	24	24	40	32	21	28	26	-40	-56	12	-41	-175	-8	
	28	-76	-53	-14	-43	-63	7	12	16	8	8	1	1	5	16	16	20	21	20	23	20	23	24	23	16	1	
Среднее по всем		-68	-56	-26	0	13	21	18	14	10	12	13	15	17	27	46	58	43	39	5	-12	-36	-45	-75	-53	0	
по Q		-6	7	16	18	19	19	18	16	10	9	7	9	12	16	19	20	21	24	21	23	25	16	20	21	16	
по D дням		-261	-281	-88	-61	0	30	26	11	13	18	24	32	34	66	141	165	111	79	-108	-89	-126	-148	-189	-108	-30	

ЛОПАРСКАЯ
Февраль 1971 года

Вертикальная составляющая $Z = 51300$ + табличное значение в гаммах
Широта $68^{\circ}37,2'$; Долгота $33^{\circ}18',0$

Дни	Время миро- вое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.
Q	1	-60	-19	-9	-16	4	2	9	19	41	58	42	56	39	43	46	6	9	19	3	-14	-37	-46	-50	-41	4
	2	-65	-45	2	-12	2	9	5	5	9	13	13	23	31	26	26	23	5	24	-17	-16	-11	-66	-31	-16	-3
	3	-33	-23	-5	-2	2	16	17	7	4	5	15	13	12	12	10	13	10	29	11	4	6	3	6	5	6
	4	8	5	6	10	6	8	6	-1	5	8	14	11	16	17	19	28	50	47	28	11	4	3	3	4	13
	5	2	-6	-1	-6	-3	0	5	-1	5	0	4	21	31	8	8	10	3	12	2	6	13	-4	9	-7	5
	6	-6	-9	-9	-9	-2	1	1	-4	-3	-5	5	10	21	14	23	27	27	52	44	19	8	22	23	13	11
	7	18	2	-3	-9	-1	4	-1	-8	1	9	10	10	19	14	9	16	10	11	20	22	14	-1	-96	-68	0
	8	-76	-39	-39	-23	-6	7	10	4	8	2	6	14	10	18	24	28	52	20	5	5	-1	-29	-59	-75	-6
	9	-32	-2	-2	-8	-3	3	1	-7	4	21	22	16	16	43	83	53	19	4	-1	-4	3	1	3	-22	9
	10	-39	2	-5	-3	1	6	4	-1	-1	-4	3	6	21	8	29	52	16	5	8	-6	-107	-98	-81	-86	-11
Q	11	-21	23	-1	8	4	9	14	10	9	7	7	14	10	6	4	9	16	50	15	4	-29	-85	-120	-67	-6
	12	-18	-14	8	3	4	-2	4	5	2	5	3	3	7	21	29	42	23	40	-1	-76	-95	-98	-62	-33	-8
	13	-30	-24	4	-1	2	2	0	-2	4	7	9	8	7	8	3	2	7	8	4	4	5	1	4	-1	1
	14	2	3	0	1	1	2	-11	-14	-15	1	8	5	17	59	66	-93	-161	-46	-32	-72	-59	-29	-49	-8	-18
	15	-75	-36	-60	-64	-24	-6	7	-6	-2	26	24	28	35	84	33	-62	-118	-119	-53	2	-12	55	152	-32	-9
D	16	126	236	-144	-51	-34	11	17	20	20	32	42	35	39	43	47	47	36	28	-16	-42	-14	-165	-58	-7	10
	17	28	-24	-26	-7	-6	0	11	19	23	29	21	30	42	54	29	44	33	41	16	22	-6	-4	-117	-106	6
	18	-19	-31	-38	-35	-24	-3	4	7	23	9	21	38	29	65	50	61	39	-48	-7	30	20	-11	-169	-106	-4
	19	-205	-131	-136	-81	-26	6	6	-9	-1	16	26	16	10	10	16	18	14	22	5	6	6	2	-31	-6	-19
	20	3	-6	-44	-49	-14	5	3	7	10	9	13	20	18	11	15	20	26	41	38	40	-52	-69	-72	-7	-1
Q	21	-8	-23	-10	0	-8	2	11	13	18	19	33	31	50	35	66	53	79	63	43	19	11	23	23	6	23
	22	-20	-1	8	7	0	6	8	14	10	11	12	13	19	14	11	11	10	12	4	2	8	10	11	11	8
	23	-2	9	-6	-2	-1	7	2	4	4	2	0	2	-4	-4	2	40	40	23	-17	40	-60	40	16	40	7
	24	35	2	6	-1	-1	-1	2	2	2	2	0	-1	6	-8	-6	6	18	10	20	19	8	-11	81	-27	7
	25	-14	-96	-50	10	4	21	23	17	17	25	14	26	35	43	-170	-264	-98	-35	171	360	247	256	108	34	28
D	26	14	11	23	-59	-128	-52	31	27	27	32	53	16	31	55	60	36	-22	-14	8	14	-16	-32	-1	-32	3
	27	-51	-14	5	4	16	20	20	21	27	21	14	21	29	57	63	45	25	25	11	-85	-89	-32	-51	-173	-3
	28	-126	-117	-123	-101	-112	-45	-7	-6	7	15	18	20	21	24	25	21	18	24	15	10	11	12	11	15	-15
Среднее по всем		-24	-15	-27	-21	-14	1	7	6	9	13	16	18	22	28	22	10	7	14	12	12	-8	-13	-21	-28	1
по Q		-15	-10	2	2	1	6	7	3	6	6	11	13	17	12	10	13	16	22	10	10	7	3	7	2	5
по D		10	24	-46	-33	-36	-5	13	11	9	23	28	22	31	57	7	-67	-73	-37	16	16	29	17	30	-9	3

ЛОПАРСКАЯ
М а р т 1971 года

Магнитное склонение $D = I_2^0 + \text{табличное значение в минутах}$
Широта $68^{\circ}37'2''$; Долгота $33^{\circ}18'0''$

Дни	Время миро- вое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.
	1	2.9	3.4	3.2	3.4	3.1	1.0	1.8	1.3	2.0	1.3	-0.4	-2.0	-2.9	-2.7	-0.8	-0.4	0.1	-0.5	0.3	1.0	1.6	2.0	1.5	0.8	0.9
	2	1.4	1.7	1.2	1.8	0.6	2.0	3.1	3.8	3.1	0.7	-1.0	-2.0	-3.5	-4.0	-2.6	-2.4	-2.8	-1.7	-2.0	2.1	1.8	8.9	4.3	8.1	0.9
	3	2.9	4.3	2.0	2.9	3.8	3.6	3.6	2.7	1.5	-0.7	-3.1	-2.7	-4.8	-2.8	-2.0	2.4	0.7	-2.0	-2.5	1.6	18.1	11.5	32.1	39.1	4.7
	4	25.2	25.2	25.9	6.0	1.6	2.9	2.8	3.9	2.6	1.0	-3.4	-7.9	-7.8	-11.9	-15.1	-17.1	-22.6	-10.5	12.0	4.0	4.5	8.2	5.2	3.0	1.6
	5	5.2	7.9	7.1	2.5	4.0	2.7	2.9	2.7	1.3	-0.6	-3.6	-4.3	-5.0	-2.8	-5.2	-8.6	-4.8	-0.8	-0.4	0.7	1.5	1.2	1.3	0.8	0.2
D	6	1.9	1.9	3.5	4.3	1.4	2.3	2.1	2.5	-0.3	-1.2	-2.6	-4.2	-4.2	-4.2	-1.9	-0.7	-1.0	-1.2	-1.0	-1.6	4.9	10.8	5.4	6.0	0.9
	7	6.2	6.1	5.9	3.8	2.7	1.8	1.9	1.3	-0.9	-2.7	-3.1	-6.1	-7.5	-5.9	-7.8	-6.7	-7.4	-12.3	-7.1	-0.8	-3.5	0.4	0.8	0.4	-1.7
	8	1.7	3.2	0.5	-1.2	4.0	1.6	1.7	0.6	0.7	-0.9	-5.1	-9.3	-8.1	-7.5	-7.2	-4.2	-8.1	-4.2	-1.7	8.2	15.9	22.5	19.1	5.1	1.1
	9	0.2	0.7	1.4	1.4	1.0	0.7	0.1	0.2	-2.5	-3.0	-2.0	-6.1	-4.1	-3.2	-2.0	-1.6	-1.3	-1.2	0.5	-0.5	-0.1	-0.7	0.2	-0.3	-0.9
	10	2.0	6.3	6.1	2.8	1.5	0.7	-0.6	-0.9	-3.8	-2.8	-7.8	-3.0	-3.8	-7.4	-2.6	0.1	-0.4	10.9	2.7	3.5	1.3	4.6	2.4	0.8	0.5
D	11	1.3	0.6	0.6	1.0	-1.3	1.2	0.4	2.9	2.5	0.1	-4.6	-6.0	-3.0	-3.9	-2.7	0.7	-0.1	-0.8	-1.5	-0.8	-1.0	-0.7	-0.4	-0.4	-0.7
	12	-0.5	0.8	1.3	2.1	1.7	1.5	1.6	1.2	-1.6	-5.4	-9.0	-10.0	-16.3	-9.6	-5.3	-1.2	-2.4	-7.2	-6.9	10.6	18.0	45.4	69.8	40.7	5.0
	13	26.6	2.4	3.8	4.6	2.1	1.0	3.6	2.9	6.7	-5.1	-10.7	-14.7	-16.2	-19.3	-12.0	-15.8	-13.0	30.7	35.4	19.2	19.2	26.1	17.1	13.5	4.5
	14	9.1	6.4	8.0	6.1	8.4	3.2	5.3	7.6	-0.4	-8.9	-7.0	-9.0	-9.2	-11.4	-5.9	3.4	6.2	-1.7	10.9	19.7	29.8	29.1	29.8	55.0	7.7
	15	31.7	19.7	17.7	18.6	5.8	2.1	1.7	-2.8	1.8	-0.9	-3.7	-1.5	-5.2	-5.3	-4.5	0.6	-6.3	5.4	-1.2	2.1	3.4	2.5	1.3	8.4	3.8
	16	21.0	17.3	10.2	8.2	6.1	-0.2	-2.6	-1.6	-1.3	-3.0	-5.0	-8.7	-6.9	-5.6	-6.9	2.1	1.8	-0.6	-1.5	-2.1	13.4	9.8	16.2	12.4	3.0
	17	2.7	8.0	7.9	5.9	4.0	3.4	5.5	4.6	1.9	-0.1	-5.8	-7.6	-8.1	-6.5	-5.1	-5.0	-5.6	4.8	-8.5	0.6	-2.1	9.0	17.5	16.9	1.6
	18	13.8	8.6	4.1	3.5	4.3	3.8	4.2	3.0	-0.4	-3.2	-2.8	-4.8	-5.4	-4.1	-2.8	-1.8	5.8	-0.9	-1.5	1.0	4.6	4.9	3.0	4.1	1.7
	19	2.4	2.5	4.7	4.9	4.1	2.0	0.9	0.7	-0.3	-1.5	-4.8	-9.6	-19.1	-18.4	-20.2	-24.6	-7.8	-4.2	-1.3	5.5	23.4	50.2	18.1	56.1	2.6
	20	60.1	71.1	49.1	17.9	9.7	5.8	0.7	-0.8	-1.3	-1.3	-2.1	-2.8	-3.7	-2.7	-0.9	-1.2	-0.6	-0.9	-0.6	-0.4	0.1	3.6	14.7	6.8	9.2
Q	21	2.9	2.5	2.9	3.0	2.9	3.6	3.6	2.9	-0.2	-2.0	-3.0	-3.1	-3.2	-2.4	-1.9	-0.7	-0.1	-0.3	-0.7	-0.2	0.2	1.0	1.5	0.5	0.4
	22	2.4	2.9	3.9	2.9	4.2	4.5	4.6	4.1	2.5	-0.1	-3.6	-4.7	-5.9	-5.8	-4.7	-3.4	-3.2	-3.8	-4.1	1.0	4.8	0.1	0.4	-0.8	-0.1
	23	1.0	1.6	2.1	2.7	2.8	2.8	2.9	2.8	1.8	-1.5	-5.1	-7.8	-6.2	-3.9	-3.0	-3.8	-4.7	-6.8	-7.0	-2.9	-0.1	2.9	-1.7	-1.8	-1.4
	24	-1.5	-1.2	-0.5	0.3	1.0	1.4	2.7	2.9	1.9	1.7	-2.6	-8.1	-5.8	-5.2	-2.7	-1.9	-5.9	-9.6	-2.8	19.1	24.5	6.8	19.2	37.4	3.0
	25	1.4	2.6	4.3	4.2	3.8	5.2	6.8	4.7	-0.4	-1.3	-6.8	-5.9	-3.8	-2.5	-1.4	-0.4	-1.2	-0.5	3.2	9.5	-0.7	1.9	0.3	-0.4	0.9
Q	26	2.9	-0.8	-0.7	3.1	5.9	5.3	7.1	8.2	-3.7	-4.8	-8.1	-6.1	-11.8	-12.3	-5.6	-3.1	0.7	0.7	13.6	2.6	0.7	0.6	1.3	-0.5	-0.2
	27	0.1	-1.0	1.0	1.8	1.8	4.8	5.4	4.8	2.9	-1.8	-6.3	-10.5	-10.6	-5.0	-5.9	-2.8	0.4	-1.5	5.5	1.5	0.3	-0.9	-1.6	-2.0	-0.8
	28	-1.9	-0.5	1.3	2.6	2.9	4.3	5.9	5.8	3.6	0.2	-2.9	-5.2	-6.2	-4.7	-2.7	-2.1	-1.5	-0.8	-0.7	-0.6	-0.1	2.8	-0.5	-1.6	-0.1
	29	-0.5	-0.1	1.4	2.1	2.9	4.1	4.8	4.8	2.4	-0.6	-2.8	-4.9	-3.9	-2.8	-1.4	-1.4	-1.9	-2.0	-2.3	-2.4	-1.7	-0.9	-0.4	0.7	-0.3
	30	1.8	3.7	3.8	3.0	2.9	4.5	5.9	4.9	2.6	-0.4	-4.8	-6.2	-10.5	-13.3	-8.0	-7.6	-8.9	-8.7	-9.7	23.8	27.9	13.5	30.4	38.3	3.7
D	31	9.6	23.0	38.8	21.9	-4.0	2.7	4.1	3.8	2.7	-5.1	-8.1	-8.5	-10.6	-14.8	-26.7	-23.6	-21.6	-27.6	-32.0	31.1	14.6	2.8	2.0	5.8	-0.8
Сре	днее																									
по	всем	7.6	7.4	7.2	4.8	3.1	2.8	3.0	2.8	0.9	-1.7	-4.6	-6.2	-7.2	-6.8	-5.7	-4.3	-3.8	-1.9	-0.4	5.0	7.3	9.0	10.0	11.4	1.6
по	Q	0.8	1.3	2.3	2.7	3.1	3.9	4.4	4.1	2.0	-0.5	-3.5	-5.1	-5.1	-3.9	-2.7	-2.3	-2.3	-2.7	-3.0	-1.0	-0.6	-1.2	-0.1	-0.6	-0.4
по	D	15.7	10.8	13.8	10.0	3.3	2.1	3.3	2.4	2.3	-4.2	-6.9	-8.6	-9.9	-11.7	-11.3	-7.9	-8.6	0.5	2.3	16.1	16.6	16.6	13.9	17.8	3.3

ЛОПАРСКАЯ
М а р т 1971 года

Горизонтальная составляющая $H = 11800$ + табличное значение в гаммах
Широта $68^{\circ} 37' 2$ Долгота $33^{\circ} 18' 0$

Д н и	Время миро- вое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.
	1	5	20	22	21	22	18	16	14	3	0	-3	0	3	13	23	19	21	22	21	22	24	22	26	23	16
	2	23	24	25	24	14	14	12	17	9	4	3	3	7	16	18	24	24	22	26	39	10	0	-5	10	15
	3	34	16	24	24	26	22	17	13	14	16	9	6	9	12	25	41	34	29	42	-37	-29	-40	-110	-219	-1
	4	-152	-118	-152	10	36	26	22	11	13	3	8	57	61	101	143	190	192	93	6	16	-17	-29	-33	-6	20
	5	-5	-37	-37	6	15	16	7	4	-1	1	2	6	14	34	51	60	44	21	18	18	18	18	20	18	13
D	6	10	16	9	10	24	22	17	9	6	-2	0	10	13	13	15	19	23	23	24	18	-47	-14	-5	5	9
	7	13	-12	12	24	22	21	17	9	4	-1	5	15	24	19	28	23	53	78	56	39	22	18	36	32	23
	8	24	14	-55	-58	26	35	29	21	8	7	13	29	5	16	43	33	62	90	38	-40	-116	-153	-150	-21	-4
	9	23	26	25	25	29	25	18	3	5	-3	-5	10	14	26	29	29	27	31	33	22	26	26	25	24	20
	10	2	-22	16	26	30	31	24	8	-5	-1	18	2	10	47	82	26	80	57	30	44	15	-13	13	18	22
D D D	11	20	20	18	21	6	5	16	5	-1	3	16	19	0	21	24	27	36	22	22	21	22	23	22	23	17
	12	22	26	25	22	19	19	11	9	5	5	10	7	74	82	30	38	125	36	3	-144	-215	-480	-511	-244	-43
	13	-94	5	22	10	5	16	5	18	6	23	44	121	105	121	198	143	179	-48	-290	-102	-202	-285	-258	-309	-24
	14	-67	-17	-15	18	-11	18	-23	-15	10	84	72	40	111	88	92	54	50	54	-165	-171	-238	-487	-454	-473	-60
	15	-272	-55	-49	-124	-67	45	-7	60	8	7	18	3	18	29	60	80	105	52	34	6	-12	-29	-10	-17	-5
	16	-185	-175	-30	8	17	15	15	10	14	10	34	45	64	30	54	46	35	17	24	8	-29	-78	-68	-77	-8
	17	-120	-23	-5	12	20	15	16	5	-1	-16	10	18	18	28	46	43	54	62	83	38	-41	-63	-108	-84	0
	18	-65	-45	18	17	16	14	10	2	1	-5	-5	3	8	9	16	33	41	32	37	22	-70	-48	16	10	3
	19	-7	22	22	10	-3	10	14	4	1	-7	-1	8	47	70	125	174	97	92	55	-86	-179	-426	-450	-402	-34
	20	-331	-250	-165	-54	-3	14	21	30	14	7	14	3	8	16	20	24	17	20	21	19	20	-15	-13	1	-23
Q Q Q Q	21	24	26	24	25	24	22	15	10	0	-14	-14	0	8	9	14	14	14	22	22	22	19	18	14	11	14
	22	15	17	20	20	24	24	17	3	-11	-14	-9	-3	8	19	24	29	28	34	34	34	13	24	26	29	17
	23	29	30	28	31	32	29	25	14	2	-5	-5	2	5	16	18	31	33	50	63	56	12	6	26	26	23
	24	30	26	22	32	36	31	32	25	-9	-23	-4	-2	-5	10	17	31	57	111	78	-9	-118	-37	-199	-366	-10
	25	-49	18	37	40	37	31	5	-40	-29	-16	18	2	0	18	18	18	35	51	48	32	15	-40	-21	13	11
Q Q D	26	-15	-18	24	34	28	31	16	8	1	-17	11	-17	28	58	42	37	80	-45	-29	30	31	5	-10	17	14
	27	20	2	1	20	15	20	6	-1	-6	-13	-2	-26	28	26	56	31	24	32	36	24	22	18	-3	-33	14
	28	11	22	26	26	24	24	14	4	-9	-16	-15	-4	8	14	18	18	25	30	32	36	34	28	28	24	17
	29	26	24	28	32	32	28	16	5	-7	-17	-15	-6	5	18	23	28	31	29	29	31	29	29	26	22	19
	30	24	22	28	30	32	29	19	8	3	-5	-4	-1	19	36	34	48	68	61	68	-35	-203	-266	-157	-226	-15
Среднее по всем	31	-382	-66	-108	-68	40	34	22	-5	-21	28	13	-4	18	56	198	174	145	-171	64	-230	-39	24	34	3	-10
по Q		-45	-15	-4	9	18	27	14	9	1	2	8	13	24	35	51	51	59	32	18	-8	-39	-72	-73	-70	1
по D		21	20	25	27	27	26	17	7	-5	-13	-11	-2	7	15	20	24	26	33	36	36	21	21	24	22	18
по дням		-158	-24	-41	-44	-1	30	5	16	2	30	32	38	51	62	118	97	108	-5	-64	-107	-121	-186	-168	-163	-20

ЛОПАРСКАЯ
М а р т 1971 года

Вертикальная составляющая $Z = 51300$ + табличное значение в гаммах
Широта $68^{\circ}37'2$ Долгота $33^{\circ}18'0$

Дни	Время миро- вое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.
D	1	-5	6	7	2	0	0	5	13	17	13	16	19	11	16	21	21	16	15	12	13	6	6	5	10	10
	2	15	8	10	10	6	7	10	7	5	7	13	16	15	21	28	26	26	15	16	7	-14	-4	-15	-23	9
	3	22	15	16	11	5	16	11	12	15	24	21	24	25	20	25	52	21	11	20	-99	-99	-67	-62	-87	-2
	4	-52	-29	-82	-57	8	17	7	4	15	7	10	47	59	96	107	79	1	35	-24	19	-5	-33	-34	-17	7
	5	-1	-23	2	-4	8	23	21	18	17	14	21	26	35	47	53	75	64	28	14	9	5	6	10	11	20
	6	3	7	1	-11	6	10	14	6	4	8	10	17	19	16	17	19	20	16	18	6	-27	-77	-52	-23	1
	7	-5	-10	-20	6	6	12	9	3	11	17	7	10	21	24	40	52	52	51	38	8	1	-31	10	10	13
	8	3	-13	-75	-124	-44	-13	-7	-1	2	8	7	25	44	46	56	55	48	6	15	-5	30	-119	-16	-23	-4
	9	2	8	7	14	-5	8	8	14	25	21	18	13	22	19	22	24	19	21	27	12	2	13	9	0	13
	10	-16	-64	-34	-13	-1	-1	3	8	11	13	23	15	16	28	100	42	47	23	20	28	-9	-45	-24	9	7
DD	11	0	8	4	2	-2	2	3	1	4	8	6	23	17	17	22	36	41	23	6	8	2	0	1	-1	10
	12	3	3	7	6	9	4	3	10	6	12	20	12	50	73	69	44	55	-14	-6	87	93	405	134	58	48
	13	47	4	6	10	19	22	-43	-54	-34	-4	39	50	48	79	-6	-6	-15	-99	-231	22	105	105	3	-74	0
	14	-17	-26	-12	19	3	20	8	19	35	47	65	38	54	63	60	26	16	31	26	-79	-154	-16	-165	74	6
	15	-202	-91	-34	-53	-71	-11	11	57	37	42	38	35	32	42	70	48	6	-5	29	14	-27	-46	-24	-23	-5
Q	16	-48	-117	-82	-27	-14	16	14	16	16	28	44	52	63	47	71	84	39	17	19	-3	-115	-159	-122	-57	-9
	17	-100	-58	-37	-31	-9	5	9	11	24	15	17	28	44	41	50	63	71	52	41	26	11	23	31	-7	13
	18	-59	-61	-12	8	8	8	14	15	19	18	24	24	29	19	14	31	47	29	29	18	-47	-88	-18	-7	3
	19	-15	0	12	6	-5	-18	0	1	5	8	9	12	25	55	76	58	61	35	29	58	112	68	-138	74	22
	20	-202	-124	-122	-108	-74	-6	21	26	31	26	27	20	14	21	17	16	19	15	7	10	12	-9	-51	-56	-20
QQ	21	0	11	15	12	11	14	8	8	15	21	18	16	11	14	9	17	15	13	14	14	14	6	-4	-17	11
	22	-5	9	2	3	-1	10	9	7	12	13	17	8	7	14	18	20	25	18	19	-8	-38	6	5	13	8
	23	11	16	8	5	10	5	4	1	0	0	2	3	7	14	14	16	20	19	23	-18	-34	-34	-5	1	4
	24	8	13	7	-7	3	8	0	-5	10	12	15	27	26	24	24	36	45	32	6	-75	-131	-47	-50	-128	-6
	25	-100	-37	7	9	11	10	10	20	47	56	23	37	47	38	27	29	29	36	22	-11	-16	-43	-37	-8	8
QQD	26	-16	-21	-25	-12	-4	0	-6	2	4	24	24	16	16	47	32	42	28	-173	-131	-15	8	-13	-29	0	-8
	27	9	4	-21	4	2	5	9	9	25	20	24	40	52	77	61	44	26	25	-11	-47	-7	-13	-10	-47	12
	28	-8	7	7	10	12	16	9	8	7	10	6	16	10	14	4	11	21	16	5	5	1	3	0	5	8
	29	7	8	6	8	4	9	15	10	15	15	11	19	20	14	13	18	13	6	8	13	5	3	-1	-12	9
	30	-15	-9	4	3	12	4	4	4	6	7	15	17	22	45	75	28	23	47	20	-89	-10	98	13	-5	13
D	31	27	-154	-140	-52	4	6	10	24	25	53	52	50	29	41	80	43	-99	-114	-58	128	6	13	17	5	0
Среднее по всем		-28	-28	-18	-11	-3	7	6	9	14	18	21	24	29	36	41	37	26	7	1	2	-10	-3	-20	-11	6
по Q		1	10	8	8	7	11	9	7	10	12	11	12	11	14	12	16	19	14	14	1	-10	-4	-1	-2	8
по D		-28	-56	-51	-40	-18	5	-4	9	13	29	40	40	41	54	52	33	-9	-36	-44	16	-8	-13	-37	-8	-1

Магнитное склонение $D = 12^{\circ}$ + табличное значение в минутах
 Широта $68^{\circ}15'$ Долгота $33^{\circ}05'$

Среднее
по всем
по Q
по D
дням

Горизонтальная составляющая $H = 11800$ + табличное значение в гаммах
 Широта $68^{\circ}15'$ Долгота $33^{\circ}05'$

[illegible]

ЛОПАРСКАЯ
Апрель 1971 года

Вертикальная составляющая $Z = 51300$ + табличное значение в гаммах
Широта $68^{\circ}15'$ Долгота $33^{\circ}05'$

Дни	Время миро- вое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.
D	1	3	-10	6	-16	6	28	41	50	37	20	26	34	36	26	33	28	27	27	26	-11	-84	-37	-2	17	13
	2	13	16	18	10	13	16	11	8	10	19	19	22	53	85	95	72	66	32	15	0	-18	-21	-24	-53	20
	3	-69	-78	26	-11	-11	-25	-10	-10	11	28	58	37	22	24	34	80	85	61	-5	-58	-181	-70	9	-5	-2
	4	169	34	-50	54	4	27	21	13	19	20	27	37	48	61	101	58	-61	-8	37	34	24	11	69	-35	25
	5	-17	20	22	17	21	21	15	11	16	22	25	25	32	31	34	60	53	43	25	-180	-87	-45	-35	11	6
Q D D	6	-19	-35	-19	-21	2	26	34	31	52	64	77	61	34	31	43	43	33	29	19	9	5	-63	-100	-16	13
	7	3	6	7	16	10	11	24	19	21	24	23	22	26	25	32	32	22	24	13	11	11	5	-24	-42	13
	8	-11	10	16	11	16	15	16	15	16	15	12	34	51	90	97	73	70	50	47	48	69	-38	-10	-26	29
	9	-30	17	34	24	23	13	26	11	15	40	27	-133	10	48	6	-78	-95	-21	-5	166	74	106	128	37	18
	10	129	101	0	-50	-78	-35	20	27	41	48	43	59	50	48	68	37	53	64	-19	38	114	29	-135	11	28
D D	11	26	24	6	-12	-23	5	-5	11	24	56	58	66	40	66	74	69	32	32	36	-16	-72	-88	-107	-64	10
	12	-11	-35	-37	13	32	37	29	26	37	37	43	45	43	50	59	45	38	37	11	-68	-25	-95	-88	-40	8
	13	-10	5	24	22	27	37	27	30	37	37	48	71	74	73	80	100	66	48	15	8	15	16	7	8	36
	14	-64	-52	-44	-16	18	27	22	34	29	32	29	37	33	50	80	77	106	58	-96	19	170	138	423	-113	42
	15	77	164	143	-21	33	55	43	51	62	66	84	106	69	53	59	53	64	52	-32	-93	10	22	101	64	54
Q	16	-60	-78	-32	-15	-5	15	26	40	48	48	55	80	71	66	54	43	53	43	11	-35	-64	-26	-78	-92	7
	17	3	22	16	-7	-8	-6	8	32	48	64	59	43	37	40	37	48	40	26	19	20	25	9	-63	-151	15
	18	-146	-26	11	22	16	16	24	27	32	28	35	43	46	45	34	48	74	32	46	43	22	-20	174	-56	9
	19	-21	9	11	-1	16	26	26	31	43	48	48	45	48	48	44	42	29	22	31	22	16	-28	-37	-10	21
	20	16	24	27	22	27	29	27	27	47	43	39	36	26	25	27	34	27	32	22	27	27	27	27	26	29
Q	21	29	37	27	20	27	27	25	30	29	29	48	66	131	174	106	80	68	-8	53	144	127	251	258	163	81
	22	-79	-408	-300	-13	43	42	27	27	29	31	30	31	31	32	95	93	52	31	21	14	-82	4	-9	9	-10
	23	28	35	30	25	27	27	26	25	20	33	29	34	36	34	39	26	31	27	20	-20	-114	-183	-62	-17	6
	24	4	29	33	28	22	27	25	22	25	26	22	26	33	40	47	47	45	30	22	4	16	20	22	25	27
	25	25	27	20	22	19	20	20	20	33	37	25	30	22	24	30	35	32	25	25	20	20	19	20	25	24
Q Q	26	25	17	14	14	20	20	17	11	17	20	9	14	30	27	42	60	37	30	25	22	14	5	-27	-21	18
	27	-6	0	4	-5	9	9	4	6	14	20	25	45	44	55	58	48	44	27	25	14	-38	-62	-1	-31	13
	28	-85	-57	1	-1	-16	-21	-5	0	5	7	29	84	66	65	52	-1	85	49	25	27	6	-16	6	14	13
	29	20	14	14	20	20	17	13	11	9	14	17	25	16	14	22	14	20	19	20	13	14	19	11	11	16
	30	20	14	17	9	4	-1	-9	6	20	30	35	37	52	47	35	20	37	32	11	9	6	11	20	23	20
Среднее по всем по Q по D дням		-1	-5	2	2	10	16	17	21	28	34	37	39	44	50	54	46	41	32	15	8	1	-3	4	-11	20
		12	21	22	19	21	22	21	19	28	28	21	28	32	41	49	50	42	34	28	24	29	7	6	6	25
		56	53	18	-24	0	18	26	27	33	41	42	21	42	52	63	29	14	29	-23	33	78	61	117	-7	33

ЛОПАРСКАЯ
МАЙ 1971 г.

Магнитное склонение $D = I2^0$ + табличное значение в минутах
Широта 68^015 Долгота 33^005

Д н и	Время миро- вое	I	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.
	I	0.7	1.1	0.6	-0.7	2.5	5.1	5.5	5.5	6.1	6.7	1.1	-0.9	-0.9	-1.5	-0.1	-0.1	4.9	4.8	4.8	4.8	2.9	-0.7	5.5	25.7	3.4
	2	51.5	43.9	11.7	11.7	6.1	10.5	4.3	1.3	-5.5	-0.5	-3.5	-4.2	-3.6	-5.9	-7.7	-7.1	-10.6	-5.7	-4.7	3.8	2.4	2.7	3.1	4.9	4.1
	3	4.3	4.9	5.5	4.3	5.5	6.7	4.8	4.9	3.1	1.4	-0.7	-4.1	-5.3	-7.1	-6.5	-4.3	-9.4	-7.7	-3.1	-4.7	2.9	18.5	16.9	34.3	2.7
	4	48.0	37.3	14.7	1.9	2.5	4.9	5.0	3.3	1.2	-2.3	-7.1	-9.6	-8.4	-7.1	-5.8	-5.8	-5.3	-4.7	-4.8	-2.3	-1.0	-2.3	-0.3	0.1	2.2
	5	1.3	2.6	3.8	3.7	3.7	4.9	5.9	4.3	2.5	-1.0	-4.6	-8.1	-10.8	-10.3	-7.5	-11.4	-16.1	-11.7	-12.9	5.1	18.1	5.5	-1.7	2.5	-1.3
B	6	6.5	13.1	28.3	6.7	6.1	10.3	8.5	8.4	11.0	0.7	-12.5	-13.1	-22.6	-31.3	-38.3	-22.8	-37.1	-11.3	-1.3	-5.3	6.5	6.7	8.5	20.1	-2.3
	7	61.7	64.9	19.4	9.1	19.4	19.8	4.9	3.1	-0.5	-5.5	-4.3	-11.9	-15.1	-12.9	-16.7	-18.0	-13.9	-8.3	-1.1	9.8	40.5	32.5	48.1	23.5	10.4
	8	6.2	6.0	6.1	6.6	6.1	7.3	7.7	5.1	5.9	1.2	-7.7	-7.1	-6.5	-9.3	-8.3	-7.1	-7.1	-7.2	-0.5	-4.1	-1.7	12.7	20.4	22.3	2.0
	9	18.7	25.3	14.5	8.5	6.1	7.4	7.7	6.1	4.1	0.5	-4.1	-9.5	-12.7	-10.1	-4.1	-4.1	-3.1	-4.8	-4.7	5.5	9.1	9.1	29.3	23.5	4.6
	10	38.6	20.4	8.5	9.6	-2.2	1.3	5.5	3.8	1.7	-2.9	-7.9	-12.0	-13.7	-14.7	-11.9	-9.0	-4.7	-4.3	-6.1	-3.6	1.2	3.1	3.7	6.6	0.4
Q	11	11.5	2.5	-1.1	2.5	5.3	0.0	3.8	4.9	1.3	-2.4	-9.5	-10.8	-11.9	-8.4	-6.0	-3.6	-2.2	-2.3	-2.4	-4.1	-2.9	-3.5	-2.3	-2.7	-1.8
	12	-1.3	-0.1	4.3	4.3	4.3	4.9	4.9	3.1	-0.1	-4.6	-8.3	-9.4	-9.3	-7.1	-3.5	-4.1	-4.1	-4.7	-4.5	-3.4	-2.9	3.0	16.3	32.3	0.4
	13	27.6	12.0	6.7	7.3	7.9	6.7	4.9	2.6	0.1	-3.5	-6.0	-8.3	-8.4	-8.4	-7.3	-5.8	-4.8	-4.1	-5.7	-1.2	-0.5	1.3	1.5	3.1	0.7
	14	4.9	12.2	9.7	9.1	5.5	7.9	7.3	5.3	1.3	-6.5	-8.3	-16.6	-16.3	-15.0	-10.7	-9.6	-18.7	-22.3	-12.5	0.1	23.3	34.9	33.1	44.5	2.6
	15	42.8	29.3	18.2	9.1	4.9	1.3	-1.1	-3.9	-2.3	-4.7	-9.6	-14.4	-17.3	-17.3	-21.4	-23.9	-22.7	-14.1	-10.8	-8.4	-5.9	1.7	-0.6	1.9	-2.9
B	16	3.3	1.9	1.9	3.1	3.3	1.9	3.7	2.6	0.1	-3.5	-6.5	-8.9	-8.4	-5.9	-4.7	-4.8	-6.7	-6.5	-7.1	-7.0	-5.9	0.3	14.3	57.6	0.8
	17	111.5	81.1	42.7	12.3	12.2	13.3	28.1	-5.8	-8.3	-13.0	-11.8	-10.3	-19.1	-23.9	-87.5	-77.9	-24.3	-20.3	-2.3	16.3	37.9	25.9	37.3	54.9	7.0
	18	91.9	66.5	81.5	43.3	1.3	4.3	4.9	-0.7	1.8	-5.3	-9.6	-17.1	-23.5	-25.5	-30.0	-34.5	-35.5	-4.3	-9.6	1.7	11.0	8.9	6.9	1.5	5.4
	19	6.5	19.2	12.3	7.4	8.5	9.1	6.0	4.3	3.1	-1.1	-2.7	-5.8	-10.1	-7.1	-6.3	-8.7	-4.7	-7.7	-4.5	-3.5	1.2	13.4	20.4	17.5	2.8
	20	8.1	3.7	4.9	6.7	7.8	7.3	5.7	5.4	3.1	-1.9	-4.1	-4.2	-7.2	-6.1	-3.5	-3.5	-1.7	-1.7	-1.5	-1.1	-1.3	-1.9	0.6	3.1	0.7
	21	6.7	6.5	5.3	5.5	6.0	6.1	5.5	4.8	3.0	0.1	-4.2	-9.0	-7.5	-3.3	-4.1	-4.8	-8.9	-4.1	-5.5	-4.8	-2.9	-1.7	-0.5	0.7	-0.4
	22	0.1	2.5	1.9	4.3	3.7	0.9	4.3	5.4	2.1	-1.7	-6.6	-11.3	-9.5	-9.0	-5.4	-4.1	-3.5	-2.9	-0.6	-2.9	-2.3	-2.3	-2.9	-1.1	-1.7
	23	6.1	34.9	12.7	4.9	6.6	8.5	7.9	6.2	3.0	-2.3	-9.5	-12.0	-10.5	-8.9	-6.5	-5.4	-4.7	-7.7	-7.7	-5.5	19.3	5.4	2.5	5.4	1.8
	24	9.5	12.3	11.5	11.0	9.7	7.3	6.7	4.9	1.8	-1.8	-7.1	-11.3	-12.6	-11.9	-8.4	-9.5	-8.3	-9.5	-8.9	1.8	10.8	14.5	8.5	14.5	1.5
	25	9.8	3.7	4.5	4.9	6.2	4.9	4.8	2.7	1.2	-2.2	-7.7	-9.4	-10.7	-7.7	-7.1	-9.4	-6.0	-6.5	-6.5	-4.6	-1.2	0.6	4.8	4.9	-1.1
Q	26	8.4	5.4	13.2	12.1	6.0	2.5	6.2	3.1	0.1	-4.7	-7.7	-12.0	-12.0	-12.3	-14.3	-8.4	-7.7	-5.8	-4.7	-5.9	-3.5	0.9	3.7	3.1	-1.4
	27	3.7	4.9	6.7	7.3	7.2	6.2	4.9	3.7	0.7	-2.9	-6.1	-8.3	-7.9	-6.0	-4.7	-2.9	-2.3	-3.0	-2.9	-3.0	-2.9	-2.4	-2.3	0.3	-0.5
	28	2.5	3.6	5.5	6.5	7.1	7.3	8.5	4.8	-1.8	-6.3	-8.5	-9.7	-11.1	-10.1	-5.5	-5.3	-5.9	-8.2	-10.2	-10.5	-6.0	-5.4	-3.5	2.4	-2.5
	29	6.6	7.8	7.8	6.1	5.1	6.7	6.7	4.8	0.1	-4.7	-7.7	-10.6	-11.9	-10.8	-9.5	-8.3	-7.7	-7.7	-11.9	-10.3	-6.5	4.3	11.5	6.1	-1.4
Q	30	0.7	0.7	-0.5	-1.8	-0.5	-0.5	0.5	0.3	-4.2	-9.1	-17.5	-16.2	-23.3	-37.7	-16.3	-15.4	-14.2	-8.4	-7.1	-3.5	2.4	10.9	6.1	6.1	-6.2
	31	8.1	6.9	7.3	7.3	8.6	10.2	6.7	5.3	3.1	-0.5	-4.1	-6.5	-6.5	-6.0	-5.9	-2.4	-2.9	-3.0	-3.5	4.8	-4.1	-1.8	0.2	2.5	0.6
Среднее повсем		19.6	17.3	11.9	7.6	5.9	6.3	6.1	3.5	1.2	-2.7	-6.9	-9.8	-11.5	-11.6	-12.1	-11.0	-9.7	-7.0	-5.3	-1.8	4.4	6.3	9.4	13.6	1.0
по		8.1	5.5	6.1	6.5	7.0	7.1	6.0	3.9	0.0	-3.6	-6.6	-8.4	-8.6	-7.5	-5.4	-4.1	-4.0	-4.6	-5.4	-4.6	-3.1	-1.1	-2.4	8.1	-0.4
по дням		54.5	45.3	34.3	13.9	7.7	9.4	9.4	1.1	0.0	-6.4	-11.1	-13.7	-20.7	-26.5	-37.8	-33.7	-25.0	-10.5	-4.3	3.6	19.7	16.8	21.4	21.2	2.9

ДОПАРСКАЯ
МАЙ 1971 г.

Горизонтальная составляющая $H = 11800 + \text{табличное значение в гаммах}$
Широта $68^{\circ} 15'$ Долгота $33^{\circ} 05'$

Дни	Время миро- вое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.
	1	35	34	24	12	22	31	28	30	30	30	30	30	36	34	51	72	74	92	90	90	40	76	48	-37	42
	2	-340	-76	-111	-70	-6	22	-5	-3	58	18	29	6	-9	31	50	105	100	69	56	-1	8	23	19	13	1
	3	27	24	26	21	26	25	22	13	5	-4	-4	4	8	21	31	37	70	61	42	18	-15	-100	-67	-281	0
	4	-311	-271	-86	37	53	38	28	12	1	-9	-3	7	6	19	22	32	39	50	59	50	31	23	23	26	-5
	5	20	11	12	18	23	23	19	13	6	-2	-5	-2	15	24	21	62	112	81	79	-18	-271	13	34	13	25
D	6	-13	-50	-133	-41	22	28	10	-8	16	74	34	-13	77	145	160	201	176	46	-53	-128	-312	-212	-623	-376	-40
	7	-366	-395	-255	-57	-131	19	-3	39	27	68	177	144	177	159	140	159	103	-100	-147	-151	-401	-452	-375	-139	-73
	8	33	49	37	31	31	32	16	9	17	13	37	56	50	37	56	101	52	62	42	8	7	-78	-146	-137	17
	9	-63	-69	-27	8	28	34	20	4	6	8	4	46	93	38	36	80	30	32	39	-44	-56	-115	-130	-195	-8
	10	-252	-45	-28	-61	-7	14	6	-4	-4	-7	3	12	28	84	133	80	44	24	22	21	-10	-24	-26	-29	-1
Q	11	-29	12	37	32	17	6	16	8	-6	-17	-11	-9	15	19	23	28	30	30	38	38	23	21	21	26	15
	12	27	27	36	43	40	18	23	14	6	-7	9	-6	12	30	24	38	40	38	48	43	30	10	-61	-126	13
	13	-98	-10	24	30	32	29	25	17	5	-3	-3	6	10	22	42	43	44	40	48	38	24	22	25	27	18
	14	28	11	18	-1	23	26	18	1	4	12	4	47	76	68	38	36	104	141	-10	-72	-262	-287	-294	-226	-21
	15	-206	-158	-54	11	8	-12	1	5	10	9	20	52	81	56	124	131	105	71	43	22	9	-45	-54	-1	10
D	16	16	17	17	18	19	26	21	11	6	0	4	8	8	13	24	47	69	88	96	40	34	8	-115	-306	7
	17	-514	-372	-95	48	15	1	-37	3	-7	34	74	287	134	175	420	289	202	150	-107	-155	-326	-263	-398	-467	-38
	18	-570	-467	-440	-268	-12	-61	-3	37	58	89	142	393	311	377	306	256	184	10	42	-85	-191	-72	-36	18	1
	19	-53	-85	-37	21	32	29	4	16	10	19	-7	12	62	41	48	92	129	69	37	30	12	-59	-114	-64	10
	20	6	32	27	22	15	13	21	14	4	14	27	61	47	25	10	25	29	29	24	23	22	16	6	14	22
	21	4	20	37	38	32	26	15	8	3	-3	11	53	45	18	19	38	72	49	45	34	29	29	29	29	28
	22	15	11	18	21	18	21	15	6	-8	-15	-9	13	10	23	30	24	31	38	45	37	37	35	29	27	20
	23	-50	-270	4	47	46	27	14	5	-5	6	12	6	18	39	48	55	60	71	56	24	-115	-19	16	10	3
	24	15	30	30	37	38	34	23	15	0	-7	-5	14	28	41	42	101	88	69	37	23	-56	-85	-57	-65	16
	25	10	48	50	43	32	16	10	6	-1	-6	15	22	34	29	39	90	80	74	54	41	-31	-10	-27	-35	24
Q	26	-29	13	-7	-7	3	5	17	21	-1	10	-6	22	69	54	94	108	71	46	40	30	14	-10	-11	-7	22
	27	22	38	38	38	30	21	8	6	1	-1	9	24	29	37	37	38	33	36	38	39	37	35	25	24	27
Q	28	25	32	34	31	30	15	11	4	-8	-11	-7	5	23	40	24	43	51	57	59	-5	42	40	26	7	24
	29	-42	10	31	38	38	38	34	20	5	1	5	4	11	22	38	54	69	67	79	69	21	-32	-13	38	25
D	30	53	58	58	46	51	40	30	30	47	43	34	8	135	361	151	151	108	53	40	30	-41	-179	-51	12	53
Q	31	22	22	27	33	27	25	15	10	14	11	18	17	12	19	40	30	37	34	38	45	36	34	31	38	26
Среднее по всем по Q по D дням		-83 0 -282	-57 22 -245	-22 32 -175	7 35 -54	19 32 -11	20 22 5	14 16 -1	12 10 20	10 3 28	12 -2 52	20 2 92	43 9 164	53 17 167	68 30 243	75 33 235	85 38 211	79 41 155	54 41 32	33 46 -45	4 32 -98	-53 34 -254	-53 28 -236	-73 9 -297	-71 -13 -190	8 21 -20

ДОП АРС К А Я
МАЙ 1971 года

Вертикальная составляющая $Z = 51300$ + табличное значение в гаммах
 Широта $68^{\circ}15'$ Долгота $33^{\circ}05'$

Д н и	Время миро- вое	I	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.
	I	13	16	10	8	-6	4	12	12	11	10	6	3	5	9	10	12	23	14	15	10	-53	-22	-49	-114	-2
	2	-152	-80	-65	-96	-153	-49	57	57	83	42	36	35	40	35	60	78	76	52	38	6	-10	9	14	-4	4
	3	25	23	8	4	4	14	14	13	14	13	9	23	20	15	37	50	47	53	29	1	-18	-95	-65	4	10
	4	69	-68	-70	-14	28	27	19	14	24	19	25	23	20	18	25	14	30	27	37	30	6	2	14	22	14
	5	14	10	9	14	9	19	8	6	13	20	25	29	23	25	29	25	57	54	25	-1	-37	-36	20	3	15
D	6	4	-31	-52	-26	-25	6	1	42	50	108	79	49	52	50	-15	40	-37	-48	-16	127	189	65	-51	16	26
	7	108	97	-93	-69	-9	26	31	51	60	48	96	82	90	74	71	43	36	-119	-173	-48	-97	90	15	-38	16
	8	19	30	30	29	32	37	30	35	45	55	52	50	49	34	45	14	27	25	-23	-32	-20	-82	-47	-53	16
	9	-16	-52	-37	-3	13	32	35	32	35	45	57	68	55	55	56	30	23	29	9	-102	-96	-42	-54	-38	6
	10	-60	-92	-20	-12	-12	17	32	37	40	32	35	40	29	51	57	45	44	35	14	9	-45	-38	-50	-50	6
Q	11	-63	-12	18	24	18	6	14	14	28	27	20	26	30	40	38	30	27	40	21	27	19	14	17	22	18
	12	23	22	20	21	17	18	14	9	14	9	19	17	9	27	35	20	25	25	24	13	11	-16	-66	-116	8
	13	-103	-47	-13	-1	13	11	14	12	14	17	13	13	11	27	20	28	27	14	19	11	-6	-10	7	8	4
	14	12	-12	-32	-29	-11	9	3	4	4	21	25	17	73	51	37	21	30	17	-12	38	3	-16	22	-51	9
	15	0	-6	-65	-55	-37	-21	-5	8	30	35	50	52	60	65	76	37	76	57	30	-6	-27	-27	-53	-25	10
D	16	1	10	10	10	11	11	11	10	9	10	13	14	25	9	24	25	40	52	2	-11	13	-16	-25	26	20
	17	25	-13	-133	-24	25	14	41	48	37	51	79	100	159	125	-221	-124	13	42	-29	-6	163	155	210	-26	30
	18	215	274	-128	14	29	30	10	16	22	24	96	66	55	17	-25	-37	-38	-45	35	63	20	-18	-6	13	29
	19	4	-40	-30	-7	18	19	34	38	40	46	59	38	43	53	56	60	64	45	33	27	14	4	-73	-33	21
	20	6	14	20	25	24	28	25	20	20	34	36	61	65	57	38	29	24	30	20	14	20	19	4	3	26
	21	7	-1	13	11	18	20	19	11	10	15	14	29	42	54	47	38	44	45	30	11	14	20	20	20	23
	22	8	20	6	6	4	8	11	6	13	19	24	25	25	22	32	27	25	23	24	13	14	18	14	11	17
	23	-10	-128	-82	-6	11	9	9	14	16	11	17	25	12	24	34	45	60	46	27	-3	-88	-41	-6	-6	0
	24	-4	-7	-12	-6	9	6	9	9	8	9	14	20	30	25	34	50	35	39	7	-46	-138	-98	-62	-54	-5
	25	-2	21	27	29	21	25	27	20	24	30	35	50	58	20	30	50	63	32	20	17	-61	-58	-42	-52	16
Q	26	-16	20	-11	-21	11	4	10	27	34	25	20	29	56	30	54	65	23	40	33	9	4	-26	-37	6	16
	27	15	20	26	25	20	22	20	20	17	11	11	12	17	10	22	18	27	20	11	14	14	8	1	9	16
	28	9	23	15	20	14	14	9	9	14	5	5	6	11	19	30	26	25	20	13	-71	-1	8	9	9	
	29	-48	-32	-14	-9	7	13	11	3	9	14	14	13	9	20	14	11	29	37	31	23	-5	16	-15	-8	6
	30	1	9	17	10	3	12	2	11	14	30	54	65	71	82	82	63	40	36	8	11	50	-18	-56	-6	24
Q	31	10	20	17	17	17	20	17	20	22	18	25	35	20	20	11	24	24	25	8	13	17	14	17	20	19
Среднее по всем по Q по D по дням		4	0	-20	-3	4	13	18	20	25	28	34	36	41	38	27	28	32	25	10	5	-4	-7	-12	-16	14
		-9	5	13	17	16	17	15	14	16	12	15	17	14	22	24	23	26	21	15	-4	7	1	-6	-17	11
		70	67	-78	-19	5	18	17	34	37	52	80	72	85	70	-22	-3	-3	-27	-35	29	65	55	-22	-8	24

ЛОПАРСКАЯ
ИЮНЬ 1971 Г.

Магнитное склонение $D = 12^{\circ}$ + табличное значение в минутах
 Широта $68^{\circ}15'$ Долгота $33^{\circ}05'$

Д	Н	И	Время миро- вое	I	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.
D	I		3.5	5.3	6.3	7.2	6.3	5.5	4.3	6.5	11.5	3.3	-6.0	-20.2	-17.4	-27.5	-20.1	-31.5	-15.9	-18.6	-15.4	-12.5	1.2	69.7	34.8	28.3	1.4	
	2		38.5	29.5	7.3	22.2	9.1	9.9	3.8	1.4	-1.2	-2.3	-14.1	-17.3	-34.3	-29.3	-22.8	-18.0	-21.0	-20.2	-13.0	-6.5	43.9	30.7	37.9	32.4	2.8	
	3		36.2	41.0	61.9	18.7	6.7	4.2	9.8	13.4	0.0	0.2	-2.3	-5.3	-13.1	-8.4	-8.7	-8.5	-12.5	-15.9	-4.1	9.0	11.4	13.2	6.7	1.9	6.5	
	4		3.7	6.1	5.3	6.0	7.9	5.9	6.0	4.7	0.1	-3.4	-7.0	-10.7	-11.4	-9.6	-6.5	-4.9	-8.1	-7.0	-6.9	-7.2	-5.3	-1.8	9.7	13.9	-0.9	
	5		10.2	11.0	9.7	5.0	7.3	8.7	8.6	5.7	1.2	-2.2	-5.9	-8.4	-5.9	-3.4	-4.5	-4.1	-4.8	-6.5	-9.5	-7.7	-4.7	0.0	1.9	2.1	0.2	
Q	6		4.1	2.5	2.5	4.2	6.7	5.5	8.4	6.3	4.3	-0.1	-5.9	-10.7	-10.7	-11.5	-14.4	-14.9	-11.9	-8.3	-6.5	-6.1	-3.5	-2.2	-0.5	1.3	-2.6	
	7		1.3	2.9	3.1	6.1	8.1	6.7	6.7	5.7	3.1	-0.5	-5.1	-7.0	-7.1	-7.2	-6.5	-5.5	-3.4	-2.7	-2.3	-2.4	-3.4	-4.6	-1.1	0.0	-0.6	
	8		2.1	6.3	7.9	7.2	6.7	5.0	2.5	2.5	2.6	-1.7	-5.9	-10.3	-8.9	-10.6	-8.2	-4.8	-3.7	-5.1	-5.9	-4.7	1.9	1.7	+1.5	2.6	-0.8	
	9		4.3	5.1	5.5	6.3	8.3	9.6	8.7	6.2	1.3	-4.5	-8.5	-10.7	-12.3	-11.9	-11.3	-10.8	-9.4	-7.0	-8.4	-7.3	-4.1	-6.0	-3.5	-2.2	-2.6	
	10		-0.1	2.1	4.3	7.3	8.4	8.4	6.0	4.3	-1.2	-7.7	-11.3	-18.3	-14.3	-10.5	-8.3	-10.7	-8.1	-6.7	-7.7	-5.7	-3.6	-3.3	-1.7	-0.3	-3.3	
Q	11		1.5	2.5	3.8	7.2	8.5	9.8	6.7	3.1	-1.1	-2.4	-7.7	-11.7	-10.1	-9.4	-8.7	-3.7	-7.0	-7.1	-7.1	-5.9	-4.8	1.3	2.7	2.5	-1.7	
	12		5.3	4.3	6.9	6.0	3.9	6.0	7.1	5.0	3.6	-1.7	-6.5	-9.5	-9.6	-10.2	-8.4	-6.5	-4.7	-5.8	-5.5	-5.3	-4.6	-0.5	0.1	1.4	-1.2	
	13		3.1	6.1	7.2	7.4	6.7	7.3	6.9	5.7	3.6	0.1	-5.3	-9.6	-13.1	-23.9	-34.8	-41.1	-33.5	-24.1	-19.9	-11.3	0.1	9.8	13.2	10.3	-5.4	
	14		8.5	7.1	6.7	9.0	4.9	1.9	1.5	2.6	1.9	-1.2	-5.3	-8.3	-11.3	-14.5	-13.0	-13.3	-11.5	-7.7	-7.7	-6.3	1.4	5.0	5.1	4.9	-1.6	
	15		9.8	10.9	10.7	9.1	8.6	9.9	6.1	4.7	0.2	-5.1	-6.7	-8.3	-7.1	-5.8	-3.4	-4.8	-4.7	-5.9	-6.5	-6.5	-5.9	-1.5	1.4	9.9	0.4	
Q	16		8.6	8.3	4.3	3.6	3.9	3.9	3.7	1.9	-1.1	-5.9	-4.1	-5.7	-8.2	-11.1	-13.1	-14.9	-13.7	-12.5	-11.9	-11.8	-7.2	-2.4	-0.7	5.4	-3.4	
	17		4.9	3.9	3.1	4.7	3.8	1.3	4.8	-3.5	-5.9	-5.3	-11.9	-8.3	-2.5	-4.7	-8.3	-5.3	-4.1	-5.5	-7.0	-7.1	-4.3	-3.5	-2.3	0.1	-2.6	
	18		1.3	6.3	3.1	1.9	1.4	2.4	-1.1	-2.4	-1.1	-2.2	-3.5	-7.1	-6.3	-4.1	-4.7	-4.7	-5.8	-5.9	-4.7	-4.1	-2.5	-0.3	0.2	0.1	-1.8	
	19		0.0	2.3	3.7	4.2	6.0	3.9	4.3	3.7	0.7	-2.3	-5.4	-7.0	-8.3	-8.3	-7.2	-5.9	-4.7	-4.8	-4.9	-4.8	-4.6	-4.1	-3.5	-2.3	-2.1	
	20		-0.5	1.3	3.1	4.1	4.9	5.5	4.5	2.5	0.2	-1.7	-4.8	-6.1	-6.1	-8.2	-7.0	-5.3	-4.8	-6.9	-7.2	-4.5	-4.3	-3.5	-2.2	-1.0	-2.0	
D	21		0.2	2.5	3.1	3.7	4.3	5.0	6.0	2.7	-2.1	-6.0	-10.8	-11.5	-11.9	-9.4	-7.7	-5.8	-5.8	-3.5	-5.3	-6.0	-5.8	-3.4	0.7	4.9	-2.6	
	22		4.3	6.1	6.2	4.1	3.3	3.8	4.9	3.7	1.5	-3.7	-9.5	-10.7	-9.4	-9.5	-10.7	-8.9	-9.4	-3.4	-4.6	-4.7	-3.5	-2.9	-1.0	1.9	-2.2	
	23		5.0	6.1	10.3	11.1	9.8	10.8	7.9	1.2	0.3	-2.4	-7.1	-12.0	-12.0	-17.8	-13.2	-10.6	-8.2	-5.8	-3.5	-2.3	-2.3	-2.2	-1.1	-1.0	-1.6	
	24		-1.1	1.3	3.8	6.5	6.7	6.0	3.6	0.5	-0.9	-3.5	-7.7	-10.7	-9.6	-8.9	-7.7	-6.5	-5.3	-5.4	-7.2	-8.9	5.4	10.9	17.5	26.7	0.2	
	25		32.9	34.3	19.1	8.7	2.4	8.6	4.9	-0.1	-2.9	-4.7	-8.4	-13.1	-25.2	-39.5	-68.5	-74.4	-64.7	-34.1	-20.1	-19.2	-19.0	-13.1	8.5	20.5	-11.1	
D	26		25.2	19.3	18.6	5.1	8.5	11.0	9.6	6.7	2.5	0.3	-4.7	-8.1	-8.1	-6.7	-8.9	-8.4	-4.8	-6.7	-5.3	-3.3	-1.8	0.1	0.7	3.9	2.0	
	27		7.3	8.6	4.9	6.1	7.2	7.3	7.4	6.1	5.1	1.7	-1.2	-4.7	-5.9	-9.4	-9.0	-4.7	-4.7	-4.7	-4.8	-5.3	-5.3	-3.4	-1.5	1.2	-0.1	
	28		1.3	2.5	3.5	4.5	5.0	5.5	6.1	3.7	1.9	-3.5	-7.0	-10.3	-10.5	-13.1	-6.5	-10.7	-8.1	-10.7	-11.7	-5.9	-5.3	8.1	9.7	33.1	-0.8	
	29		16.1	14.1	14.4	12.9	9.7	7.3	10.8	6.7	3.3	-3.0	-8.9	-17.7	-15.9	-20.4	-13.2	-17.9	-30.5	-14.3	0.0	-13.2	-11.9	33.5	18.5	13.4	-0.3	
	30		44.3	25.8	9.7	6.1	4.9	6.0	7.7	7.3	4.3	-1.0	-3.6	-8.7	-14.3	-19.7	-14.9	-8.4	-9.5	-10.9	-10.6	-4.7	-6.5	2.4	11.3	4.9	0.9	
Среднее																												
по всем			9.4	9.5	8.7	7.2	6.3	6.4	5.9	4.0	1.2	-2.4	-6.7	-10.3	-11.4	-12.8	-12.7	-12.5	-11.4	-9.5	-7.8	-6.4	-2.0	4.3	5.4	7.4	-1.3	
по Q			2.1	3.2	4.5	5.3	6.2	6.3	6.2	4.6	1.8	-2.1	-6.1	-8.1	-8.7	-9.2	-8.1	-6.8	-5.4	-5.4	-5.7	-4.9	-4.2	-3.7	-5.0	-0.6	-1.8	
по D			25.4	24.8	20.0	13.9	6.8	7.1	6.7	5.6	2.1	1.3	-7.9	-12.7	-21.2	-25.0	-26.7	-30.1	-28.9	-20.6	-10.5	-8.5	5.1	26.8	21.3	19.2	-0.2	
дням																												

Л О П А Р С К А Я
И Ю Н Ъ 1971 Г.

Горизонтальная составляющая $H = 11800 + \text{табличное значение в гаммах}$
Широта $68^{\circ}15'$ Долгота $33^{\circ}05'$

Д н и	Время миро- вое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.
D D D	1	38	38	41	37	38	34	22	14	10	-12	45	100	51	151	142	234	132	96	48	-27	-106	-426	-253	-64	16
	2	-100	-78	-157	-117	28	31	21	44	32	56	117	156	232	238	253	150	128	92	57	-113	-260	-248	-234	-220	4
	3	-368	-386	-319	-29	42	50	38	29	29	10	15	29	68	69	62	62	93	52	-19	-66	-35	-112	-38	20	-29
	4	8	5	23	39	23	30	5	4	18	21	23	18	26	36	34	26	50	62	64	39	27	-12	-52	-66	18
	5	-15	-3	-11	23	32	27	17	10	13	1	-3	20	14	22	33	34	41	46	51	-4	14	19	12	6	17
Q	6	-18	-10	10	22	30	26	24	16	15	11	3	18	30	46	101	119	100	66	50	26	22	26	24	24	32
	7	31	38	44	38	35	31	28	16	4	-1	-1	5	16	30	33	41	40	44	41	42	42	31	14	7	27
	8	-5	-2	6	24	20	8	18	16	17	-3	-8	26	25	41	44	47	37	37	49	50	-9	-3	24	24	20
	9	24	35	40	37	33	10	8	0	-2	5	8	33	56	52	70	86	73	46	44	34	32	32	33	40	35
	10	41	43	43	34	27	17	12	7	9	12	0	14	29	23	24	42	42	43	42	44	40	39	43	42	30
Q	11	44	45	36	35	33	23	15	13	16	18	40	64	44	48	58	39	75	72	56	39	28	10	12	15	37
	12	30	42	37	42	31	30	20	13	9	3	-5	0	-4	26	48	54	58	59	57	50	34	27	27	29	30
	13	26	25	43	50	50	42	31	21	6	-1	1	10	23	96	202	294	201	142	118	54	-23	-62	-74	-25	52
	14	22	34	43	23	16	12	12	12	-1	-5	5	16	51	103	108	128	100	60	58	34	-5	-25	-12	-9	32
	15	5	16	36	42	34	17	-3	-5	0	-11	-6	13	19	24	20	34	35	38	41	45	43	29	-23	-8	18
Q	16	37	37	49	41	30	23	19	12	9	-1	-4	5	48	103	127	129	125	103	75	58	32	8	12	6	46
	17	56	56	50	36	27	26	1	-4	-5	31	86	65	22	32	46	61	48	49	52	48	42	43	33	37	39
	18	34	23	45	30	25	10	8	8	19	12	27	60	43	23	27	33	35	40	40	41	40	31	-29	13	27
	19	29	41	46	43	35	22	15	6	4	6	17	27	30	34	35	28	26	29	37	43	46	48	48	42	31
	20	41	37	38	36	34	30	24	16	12	10	13	24	21	39	49	50	50	51	57	50	51	39	42	44	36
D	21	48	48	50	43	38	33	24	6	-7	-7	18	13	27	38	23	45	54	60	50	44	41	31	3	26	31
	22	30	36	30	23	29	27	21	6	-3	6	22	35	23	38	55	56	72	87	57	42	38	35	28	35	34
	23	40	56	44	56	43	23	6	-15	16	3	33	91	132	129	81	73	59	47	38	31	33	34	40	42	47
	24	45	46	42	41	36	30	25	17	12	9	13	29	35	41	43	45	44	41	48	61	40	-9	-33	-77	26
	25	-73	-114	-69	-50	-57	-44	-32	-14	9	55	113	279	476	557	544	441	278	194	126	69	53	36	-106	-114	106
D	26	-72	-62	-25	46	48	38	5	-23	10	31	96	86	46	64	63	62	46	37	33	25	27	22	-2	-13	24
	27	-11	14	42	34	25	14	17	16	10	10	-1	4	41	57	64	34	34	29	35	36	36	33	30	39	27
	28	46	44	44	41	35	29	13	6	14	-7	1	22	24	76	37	68	52	61	82	66	10	-69	-87	-214	16
	29	-56	0	29	29	-3	-13	21	8	13	8	16	80	145	184	60	61	134	74	29	-23	-150	-331	-101	-64	6
	30	-208	-133	14	36	40	43	33	29	32	13	12	27	83	194	160	77	67	52	45	21	10	-68	-88	-36	19
Среднее по всем по Q по D дням		-8	-1	21	26	29	23	16	9	11	9	23	46	62	87	88	88	78	64	52	29	6	-26	-24	-14	28
		31																								
		31	39	41	39	34	26	19	10	5	5	6	18	24	36	47	52	49	46	47	44	41	35	33	32	32
		-112	-108	-95	-26	10	12	14	16	19	23	61	129	194	240	212	190	153	102	48	-32	-100	-216	-146	-88	21

И Ю Н Ь 1971 Г.

Вертикальная составляющая $Z = 51300$ + табличное значение в гаммах

Широта $68^{\circ}15'$ Долгота $33^{\circ}05'$

Д н и	Время микро- вое	I	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.
D	1	37	35	30	29	27	29	28	29	53	89	100	165	84	73	66	42	61	61	-10	-36	59	-35	-129	-67	34
	2	-84	-23	-61	-142	-36	27	37	64	57	84	88	120	57	47	47	7	62	75	53	20	-111	-57	-42	74	15
	3	-32	-248	-77	11	52	51	40	79	89	57	50	52	62	89	63	58	58	36	-23	-36	-30	-32	1	43	17
	4	34	42	26	37	37	37	42	47	66	57	62	53	47	64	62	53	57	63	44	32	29	4	-63	-52	37
	5	-14	-15	4	32	42	52	37	42	44	42	47	34	34	48	55	58	48	44	24	-31	-15	15	21	24	28
Q	6	0	-25	-24	5	31	40	34	42	59	63	53	50	53	49	80	70	76	75	62	27	35	41	50	46	41
	7	47	39	47	45	42	51	51	47	37	43	62	37	40	34	42	47	46	47	37	32	27	29	10	6	39
Q	8	0	-15	-15	-20	18	41	27	32	41	55	53	27	32	37	42	57	47	37	27	33	-23	-21	16	37	24
	9	27	27	37	39	37	39	37	45	35	37	49	38	57	44	58	74	76	50	37	26	11	18	31	34	40
Q	10	37	39	39	41	42	32	34	31	32	37	43	41	53	43	32	31	42	35	27	24	20	17	32	42	36
	11	31	37	32	28	31	32	44	42	35	43	73	94	88	60	42	55	58	42	42	27	26	-10	-5	8	40
	12	17	29	32	32	34	28	22	27	34	42	49	57	41	31	38	55	58	58	35	34	27	16	31	28	36
	13	22	21	18	27	21	21	18	27	37	32	32	24	27	29	73	63	92	76	87	42	16	24	11	16	35
	14	29	34	42	21	18	27	13	26	27	52	62	70	96	112	89	84	51	62	53	42	14	-1	6	10	43
Q	15	9	11	16	21	27	37	36	36	36	53	52	29	26	25	36	42	33	34	20	26	27	10	-28	25	24
	16	6	19	21	29	36	43	37	31	31	32	11	24	44	105	107	122	110	94	68	47	16	1	7	7	44
	17	26	37	34	41	21	28	32	32	27	29	58	90	107	65	44	63	63	39	38	33	20	21	30	30	42
	18	32	16	27	32	35	36	27	32	45	39	41	58	76	66	50	36	41	32	27	22	27	16	-31	-2	33
	19	20	32	32	32	36	34	29	29	30	31	38	26	29	31	32	37	27	29	32	31	28	39	32	32	31
D	20	34	40	35	29	30	29	31	37	32	36	28	32	36	37	32	34	37	47	36	36	34	31	32	32	34
	21	34	27	37	27	31	26	21	27	26	22	31	19	21	46	29	38	53	57	27	32	32	18	-12	-12	27
	22	12	15	11	11	16	32	30	29	21	26	36	42	53	47	42	44	57	47	27	27	27	36	20	24	30
	23	26	21	21	21	21	26	27	15	10	36	52	99	167	91	83	86	68	55	37	26	31	22	31	32	46
	24	39	31	29	21	37	30	18	17	17	24	27	25	27	26	35	27	27	21	24	31	-16	-41	-52	-75	15
D	25	-149	-185	-184	-137	-100	-48	-16	6	41	83	100	109	-20	-140	-127	-161	-171	14	29	27	22	97	221	198	-20
	26	114	37	12	29	53	54	53	59	46	73	93	89	84	83	67	68	53	47	28	29	21	16	13	6	51
	27	-14	-32	16	32	42	39	34	44	42	55	55	62	63	63	62	39	37	41	32	29	27	27	37	34	36
	28	37	36	32	27	32	44	32	32	32	37	44	42	45	64	73	76	73	47	46	11	17	20	32	-5	39
	29	-42	-5	-11	6	1	10	20	31	32	39	47	36	106	120	100	44	63	-18	-39	-25	120	154	154	73	41
D	30	76	73	58	37	58	53	54	52	43	50	57	57	69	63	73	60	67	41	29	19	11	-34	-77	-11	41
	Среднее по всем по дням	14	5	10	15	26	33	31	36	39	47	53	57	57	52	51	47	49	46	32	21	18	14	12	20	33
D	29	33	37	35	36	36	34	37	34	38	45	38	41	35	40	49	59	46	35	32	35	27	27	26	36	
	-54	-83	-61	-47	-11	14	22	42	54	70	75	96	58	38	30	-2	15	34	2	-10	12	19	41	64	17	

Ш.ОПАРСКАЯ
ИЮЛЬ 1971 Г.

Магнитное склонение $D = 12^{\circ}$ + табличное значение в минутах
Широта $68^{\circ} 15'$ Долгота $33^{\circ} 05'$

Дни	Время миро- вое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.
D	1	2.5	4.8	6.0	6.6	6.0	4.9	5.5	4.2	1.3	-1.3	-4.7	-8.7	-9.5	-8.5	-4.9	-7.7	-5.4	-6.5	-7.6	-7.1	-7.6	-4.0	10.2	17.5	-0.6
	2	15.7	28.5	31.3	10.3	7.9	3.1	7.9	5.5	-0.9	-4.1	-4.1	-13.7	-17.3	-19.7	-13.1	-10.2	-9.5	-10.1	-10.7	-10.1	-4.0	-0.5	3.1	9.1	-0.2
	3	7.8	3.0	2.1	1.9	5.4	5.5	4.3	4.3	2.0	-2.3	-6.4	-10.1	-10.7	-14.1	-11.4	-10.0	-8.9	-6.5	-6.4	-5.2	-4.7	-4.3	4.4	28.5	-1.3
	4	40.1	27.7	19.9	13.2	7.9	7.8	6.8	5.4	4.2	0.1	-4.0	-7.2	-7.8	-10.2	-8.9	-7.1	-8.4	-6.4	-11.1	-12.4	-10.0	-4.0	0.1	2.0	1.6
	5	9.7	8.5	7.9	4.4	4.9	4.4	6.8	5.5	3.0	-2.8	-5.9	-8.9	-8.9	-8.8	-7.7	-5.9	-4.1	-6.3	-10.1	-7.8	0.7	2.6	5.5	4.2	-0.4
Q	6	13.8	16.5	13.9	8.5	6.8	5.5	4.2	2.6	2.0	-0.4	-4.2	-6.4	-10.9	-10.1	-10.1	-7.1	-7.1	-8.3	-8.3	-7.7	-4.7	-3.0	-2.3	-1.7	-0.8
	7	0.7	2.6	3.1	3.7	4.9	6.7	5.5	3.7	0.7	-3.5	-8.3	-9.5	-10.0	-8.9	-7.7	-7.1	-8.9	-7.6	-8.3	-7.6	-6.5	-5.1	-0.5	1.8	-2.8
	8	2.0	5.5	5.4	5.4	7.7	4.4	0.7	2.0	2.1	-1.6	-4.0	-6.5	-8.3	-8.9	-8.3	-7.6	-5.3	-10.7	-6.0	-2.9	-0.5	8.5	22.4	21.5	0.7
Q	9	25.9	14.4	10.4	9.1	8.3	9.1	4.9	1.2	-2.3	-2.9	-5.9	-6.6	-9.0	-8.9	-7.7	-5.9	-4.1	-4.1	-5.9	-3.7	-1.1	-1.1	0.7	3.1	0.7
	10	4.2	4.4	4.9	5.5	6.7	6.7	6.1	4.9	3.1	0.9	-2.8	-6.5	-7.7	-7.1	-6.5	-7.7	-7.7	-7.8	-7.7	-8.9	-2.8	-2.9	-1.1	0.3	-1.2
	11	1.4	2.5	4.3	7.3	7.2	7.5	5.4	2.0	0.1	-4.7	-7.7	-10.3	-14.9	-15.5	-12.0	-12.5	-13.7	-6.6	-10.1	-8.9	-5.2	-3.0	-1.1	-8.8	-4.1
	12	6.1	4.9	6.7	6.8	6.8	7.9	4.3	3.0	1.3	-2.3	-8.4	-11.1	-13.7	-15.5	-13.1	-12.0	-13.1	-10.1	-11.4	-8.4	-11.9	-4.7	0.1	0.1	-3.6
	13	2.0	3.6	2.5	4.8	4.5	3.7	4.9	6.5	-1.2	-1.8	-5.9	-10.1	-12.0	-10.7	-10.7	-8.3	-7.1	-10.9	-11.7	-2.9	4.7	-1.9	-1.6	3.5	-2.3
	14	3.1	4.9	5.6	6.3	4.9	4.9	4.3	2.6	2.9	-0.6	-4.8	-9.5	-15.5	-16.0	-12.0	-12.0	-10.1	-7.7	-7.7	-2.1	-3.7	-4.7	-1.6	-1.5	-2.9
	15	1.1	-0.5	3.1	3.1	4.3	1.4	2.6	2.1	0.9	-4.7	-9.3	-13.6	-12.0	-10.7	-8.3	-6.3	-6.5	-8.3	-6.5	-7.5	-8.3	-0.5	2.4	1.3	-3.4
Q	16	4.2	7.3	7.3	6.1	3.7	5.4	6.0	5.3	1.9	-2.5	-7.8	-13.3	-10.5	-11.1	-10.2	-7.7	-8.9	-9.5	-8.9	-7.5	-1.1	-2.9	0.7	2.9	-2.1
	17	4.4	4.9	3.1	5.1	4.9	5.5	3.2	1.3	0.7	-0.4	-3.0	-6.6	-8.9	-10.7	-6.5	-5.9	-5.7	-5.3	-6.7	-5.9	-4.7	-2.9	-2.3	-2.3	-1.9
	18	-0.4	0.7	0.8	-0.4	-3.9	-6.4	0.1	2.1	1.2	-1.7	-7.7	-13.7	-11.3	-13.1	-8.9	-12.1	-10.7	-9.3	-9.7	-7.3	-1.1	3.1	6.9	15.3	-3.6
Q	19	35.3	10.1	15.2	6.8	7.3	6.8	6.7	5.5	2.0	-3.5	-7.9	-10.1	-10.7	-13.1	-10.7	-9.6	-12.4	-11.9	-11.2	-10.5	-8.5	-4.9	-0.6	-0.5	-1.3
	20	0.6	1.9	3.7	3.7	4.9	5.4	4.3	1.9	-1.1	-2.3	-5.3	-9.5	-12.6	-10.2	-11.4	-16.1	-13.7	-10.0	-6.5	-5.9	-3.9	-2.5	-1.1	0.0	-3.6
D	21	2.5	2.5	5.3	5.5	6.6	7.8	5.4	3.1	-1.6	-8.3	-13.1	-16.2	-19.6	-28.9	-40.3	-41.5	-30.4	-17.4	-11.3	-7.6	10.3	35.9	40.3	48.7	-2.6
	22	35.5	35.7	12.7	3.7	6.8	9.0	6.7	3.1	0.3	-2.9	-5.3	-7.1	-8.8	-7.8	-5.4	-4.3	-4.0	-2.4	-3.0	-1.6	-1.6	-0.6	-0.5	-0.5	2.4
	23	0.6	1.3	3.0	4.4	4.9	4.3	3.0	1.9	-1.6	-4.7	-8.3	-12.3	-12.4	-14.3	-12.4	-10.1	-8.8	-12.6	-7.9	-10.1	-5.9	-3.1	-3.5	10.3	-3.9
	24	18.1	3.0	3.2	3.6	5.5	7.3	7.3	4.9	1.3	-2.3	-6.5	-9.6	-10.7	-11.3	-6.5	-4.2	-3.1	-4.7	-4.2	-3.6	-4.0	-3.5	-1.8	-0.5	-0.9
	25	0.3	2.5	4.1	6.1	7.3	8.4	7.3	6.1	3.0	0.0	-4.8	-7.2	-10.1	-12.0	-4.1	-5.9	-6.7	-4.8	-4.7	-6.5	-5.5	-5.9	-3.5	-0.5	-1.5
D	26	0.7	1.4	3.1	4.9	6.6	6.8	6.3	3.7	2.5	-2.3	-8.3	-10.8	-10.7	-10.7	-9.6	-14.3	-20.3	-11.3	-24.5	10.4	2.0	3.7	1.2	9.6	-2.5
	27	16.7	10.9	9.2	7.3	8.5	8.5	9.6	3.5	1.1	-3.0	-8.9	-17.3	-8.9	-11.2	-11.3	-8.8	-10.1	-9.7	-10.1	-8.9	-6.1	-3.5	0.0	3.1	-1.6
	28	7.3	3.7	5.5	6.0	6.1	3.9	4.9	4.3	3.1	-1.6	-3.0	-5.9	-7.1	-7.6	-5.9	-5.1	-3.1	-4.8	-4.1	-4.7	-4.2	-2.8	-0.6	1.2	-0.6
	29	1.9	2.5	3.0	3.7	4.4	5.6	4.8	3.7	1.1	0.1	-6.5	-6.6	-10.1	-11.9	-11.5	-14.9	-17.2	-4.8	-6.0	-5.2	7.1	33.5	42.5	55.3	3.1
	30	47.7	18.6	16.3	13.2	7.3	4.1	6.8	6.6	2.6	-2.8	-8.3	-11.4	-20.9	-22.9	-8.8	-5.3	-5.3	-4.7	-10.1	-6.6	-5.2	-4.0	-1.1	-1.6	0.2
D	31	2.1	5.4	-8.4	5.5	5.6	6.7	7.7	5.9	4.3	0.6	-5.3	-8.5	-15.5	-10.2	-6.4	-6.6	-6.4	-7.8	-11.2	7.1	16.1	23.6	9.6	-1.1	1.2
Среднее по всем дням		10.1	8.2	7.4	5.9	5.8	5.6	5.3	3.8	1.3	-2.2	-6.3	-9.8	-11.5	-12.3	-10.1	-9.7	-9.2	-8.0	-8.7	-5.7	-2.6	1.1	4.1	7.1	-1.3
по Q		2.1	3.3	3.8	4.8	5.7	6.5	5.3	3.6	1.3	-1.1	-4.8	-7.9	-9.9	-9.8	-7.2	-8.5	-8.5	-7.1	-6.8	-7.0	-4.7	-3.9	-1.7	-0.1	-2.2
по D		4.7	8.5	10.8	6.6	6.5	5.9	6.6	4.5	1.1	-3.1	-7.1	-11.6	-14.5	-15.6	-14.9	-16.1	-14.4	-10.6	-13.1	-1.5	3.4	11.7	12.9	16.8	-0.9

ДОПАРСКАЯ
ИЮЛЬ 1971 Г.

Горизонтальная составляющая Н = 11800 + табличное значение в гаммах
Широта 68° 15' Долгота 33° 05'

Д н и	Время миро- вое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн суточн.
D	1	-43	-69	17	-6	12	17	24	6	14	-19	4	23	39	63	98	101	59	40	34	34	-6	-94	-37	-28	12
	2	28	-157	-237	-41	39	16	6	-3	-6	5	-6	41	94	132	78	64	57	68	49	34	-6	-5	-26	-90	3
	3	-29	45	46	40	27	23	15	11	7	4	25	54	66	101	82	52	38	25	29	27	28	21	-35	-127	24
	4	-188	-129	-58	-13	13	28	21	17	14	9	9	24	30	45	54	55	53	87	67	50	19	-53	-37	20	6
	5	0	7	26	34	37	33	25	22	20	6	4	21	32	41	53	52	52	46	51	25	-51	-44	-40	33	20
Q	6	-18	-69	12	38	37	31	26	14	10	5	14	3	19	29	55	60	55	52	60	60	46	37	46	47	28
	7	47	45	50	47	41	36	26	16	9	3	6	14	28	38	49	54	66	66	63	50	48	51	43	36	39
	8	31	31	28	23	8	9	10	12	7	9	0	8	29	45	54	69	62	71	67	36	-12	-91	-167	-70	11
	9	-80	-66	12	3	38	21	5	10	0	-1	12	15	29	33	38	37	40	44	41	45	43	32	28	32	30
	10	32	42	44	37	32	29	22	12	-3	-8	-4	9	20	25	41	52	55	56	62	38	6	36	44	47	30
	11	45	40	36	36	30	33	27	10	6	13	21	21	35	41	55	71	68	43	55	67	33	32	25	28	36
	12	45	42	47	48	43	38	23	14	9	-3	0	6	28	41	41	42	56	58	70	69	65	31	48	56	38
	13	48	65	54	52	45	45	28	28	-21	-4	29	52	46	29	49	74	89	100	79	15	-4	41	37	29	42
	14	37	39	38	37	41	28	12	3	5	12	33	41	78	81	91	118	95	67	62	61	44	39	30	30	47
	15	18	19	27	25	2	-4	16	13	10	19	-3	44	57	60	51	58	55	58	53	53	44	11	14	29	30
Q	16	21	25	41	36	29	18	14	11	12	7	15	47	68	110	57	52	45	51	49	35	37	-10	26	22	34
	17	18	24	32	34	21	16	11	3	7	13	17	20	23	40	32	34	51	56	42	39	38	37	40	39	29
	18	39	38	36	25	6	14	28	28	5	7	7	61	7	44	61	84	73	61	52	52	23	10	0	-28	31
	19	-105	-5	-17	-15	34	29	25	17	6	14	14	26	24	34	45	52	80	83	68	56	34	10	14	-9	21
	20	30	47	45	42	40	36	26	21	18	14	18	28	47	41	74	110	123	61	47	39	33	30	32	16	42
D	21	12	15	24	40	34	32	30	22	14	36	35	38	56	136	330	229	157	63	-17	-7	-162	-229	-312	-330	10
	22	-304	-198	-30	6	33	29	20	28	20	20	22	25	34	36	33	28	26	24	28	29	36	34	36	37	2
	23	38	36	37	33	26	26	24	14	7	-2	0	17	6	42	42	61	54	76	100	61	37	42	26	-126	28
	24	-180	47	59	50	46	38	29	16	16	5	0	18	31	48	42	47	41	51	48	52	43	34	39	39	27
	25	40	43	45	42	34	27	15	5	-6	-12	-4	2	25	63	29	44	53	56	48	46	37	31	28	35	30
D	26	38	41	45	44	37	26	18	8	-1	6	10	9	16	40	49	85	131	124	77	12	-45	-83	-82	-95	21
	27	9	18	32	37	41	29	19	7	10	7	5	49	4	15	42	48	72	84	59	38	27	8	14	23	29
	28	-9	16	22	26	11	26	29	17	20	22	17	15	14	24	35	33	30	36	36	40	38	32	30	36	25
	29	41	40	39	36	35	36	30	24	13	8	26	7	10	34	68	19	107	30	48	30	-47	-166	-269	-355	-7
	30	-251	-22	23	19	12	12	26	21	19	28	55	116	227	180	67	21	28	47	47	49	39	34	24	25	35
D	31	28	17	7	39	36	33	25	18	8	9	24	39	90	63	33	30	31	48	59	11	-94	-127	-2	47	20
Среднее по всем по Q по D по дням		-20 33 1	2 40 -31	19 43 -29	28 40 15	30 34 32	26 29 25	21 20 21	14 11 10	8 5 6	8 2 7	13 7 13	29 15 30	42 29 59	57 41 87	62 45 118	62 59 102	65 70 87	59 59 69	53 52 40	40 42 17	12 32 -62	-9 37 -108	-12 37 -92	-18 35 -99	25 34 13

И О П А Р С К А Я
И Ю Л Ь 1971 Г.

Вертикальная составляющая $Z = 51300 +$ табличное значение в гаммах
Широта $68^{\circ}15'$ Долгота $33^{\circ}05'$

Д н и	Время миро- вое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.
D	1	34	35	30	30	27	29	57	47	38	49	47	49	65	85	98	69	63	40	23	37	-6	-62	-24	-39	34
	2	-27	-58	-122	-72	7	39	37	55	58	51	51	63	68	91	93	63	53	47	27	27	-5	16	-13	-20	23
	3	-18	26	41	47	36	40	42	42	37	39	43	46	68	78	78	49	46	31	25	35	29	18	-53	-124	29
	4	-145	-87	-93	-65	-21	19	32	27	34	32	32	37	47	35	41	58	63	46	25	16	11	-60	-41	14	2
	5	4	1	-15	14	24	35	37	42	42	51	62	68	61	61	44	43	51	40	31	4	-33	-25	-26	21	28
Q	6	4	-34	-36	1	21	22	31	30	31	27	27	27	32	27	39	53	54	47	32	32	29	18	37	41	25
	7	32	32	36	42	24	29	32	34	27	32	37	32	30	18	29	36	37	39	40	37	27	27	58	20	32
	8	6	0	-10	-10	-3	11	15	19	16	42	41	56	43	44	50	53	53	45	14	-10	-6	38	101	-12	25
	9	-16	-55	-10	20	33	36	37	42	41	43	39	47	45	42	27	34	29	27	29	31	24	11	27	37	26
	10	27	21	29	27	26	27	32	38	34	21	32	27	31	29	21	32	42	32	34	32	-20	21	36	27	27
	11	29	31	23	32	18	27	27	27	17	21	33	36	27	31	47	55	42	47	27	11	-10	-18	0	-10	24
	12	1	27	21	27	27	32	26	27	25	29	34	31	27	29	22	26	29	31	37	52	15	-5	12	21	25
	13	11	18	16	20	32	30	26	42	37	42	11	93	84	58	61	83	79	60	32	27	-15	21	21	21	38
	14	27	27	27	29	27	34	33	36	31	39	73	95	110	110	105	96	63	65	40	37	21	27	29	37	50
	15	15	14	4	-2	21	18	21	34	37	41	52	20	88	89	84	75	67	29	37	31	21	1	6	15	34
Q	16	28	26	27	27	21	32	32	21	34	37	46	54	63	73	55	60	52	39	32	20	6	-36	8	21	32
	17	18	16	36	32	32	37	28	32	27	32	32	32	32	29	41	46	46	34	27	31	27	32	32	34	32
	18	32	27	27	27	11	6	-5	16	21	27	37	40	55	47	73	52	55	59	37	20	10	11	10	-13	28
	19	-48	-6	-11	-44	8	16	15	26	27	27	27	27	26	29	50	55	77	73	51	36	18	3	-10	-34	18
	20	25	35	38	36	36	39	43	39	35	29	41	37	37	45	55	73	66	38	40	34	35	32	29	10	39
D	21	8	17	23	29	29	28	16	19	18	14	29	44	49	48	-8	-80	-18	-14	28	-9	86	72	-70	-127	10
	22	-109	-72	12	3	27	37	43	55	47	43	44	47	42	43	40	35	38	39	38	32	35	34	40	37	26
	23	32	36	37	31	41	32	30	33	29	33	35	30	36	37	41	52	53	47	17	39	28	32	34	-4	34
	24	-66	-8	21	38	31	31	27	34	31	38	38	41	45	46	62	51	47	34	35	35	30	32	34	34	31
	25	32	31	35	32	34	33	26	29	27	26	32	37	42	67	65	45	52	58	40	32	32	39	30	33	38
D	26	31	30	27	27	32	37	19	21	19	26	34	40	40	37	29	30	59	72	28	-43	7	52	9	-115	23
	27	-24	10	24	32	42	42	27	30	22	23	30	32	63	45	51	51	55	53	32	32	13	-20	7	9	28
	28	6	16	6	13	16	30	34	37	42	42	39	37	36	37	30	39	30	33	22	30	29	19	34	32	29
	29	32	34	29	27	32	27	27	30	26	23	38	47	43	50	56	78	74	-22	8	25	-31	-35	25	71	30
	30	-97	-71	-36	-40	-41	-10	15	27	32	35	47	89	133	115	80	45	37	37	31	-5	13	26	25	19	22
D	31	25	24	9	16	16	29	15	16	16	17	38	62	92	95	53	27	24	30	26	-49	-77	-103	-51	18	15
Среднее по всем по Q по D по дням		-3	5	8	14	22	28	28	34	32	34	40	47	54	54	52	48	49	40	30	27	11	7	11	2	28
		27	27	35	38	30	33	32	34	30	28	35	33	34	38	42	46	49	40	36	33	20	30	37	23	34
		14	9	-5	6	22	32	29	32	30	31	40	52	63	71	53	22	36	35	26	-5	-1	-11	-30	-57	20

ЛОПАРСКАЯ

АВГУСТ 1971 г.

Магнитное склонение $D = I2^0$ + табличное значение в минутах
 Широта $68^0 15'$ Долгота $33^0 05'$

Д н и	Время миро- вое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.
D Q	1	-0.3	4.0	5.1	6.2	6.8	6.7	3.2	-0.3	-4.0	-5.3	-11.0	-14.0	-12.4	-12.4	-12.5	-12.4	-8.9	-11.0	-11.2	-10.6	-7.0	-2.9	-1.4	-1.0	-4.4
	2	0.8	3.1	6.4	21.0	-0.5	6.8	-5.7	-1.6	-5.6	-13.6	-14.3	-12.2	-14.9	-9.3	-6.4	-3.3	-2.4	-4.4	-5.1	-2.9	-1.7	-1.4	-1.0	3.2	-2.7
	3	5.4	5.6	5.7	8.0	8.1	6.2	4.6	3.1	-0.6	-4.0	-7.0	-7.0	-11.8	-7.4	-5.2	-5.2	-3.5	-3.6	-4.0	-5.1	-1.8	-1.6	0.5	3.2	-0.8
	4	3.3	6.7	6.7	8.1	8.0	4.4	0.2	-0.5	-0.6	-3.4	-10.8	-12.9	-12.4	-10.2	-7.5	-6.5	-7.6	-8.0	-8.8	-5.1	-6.9	-3.4	-1.7	-0.2	-2.9
	5	6.0	15.0	28.8	21.2	2.8	-2.7	-3.9	-7.1	-4.4	-5.8	-8.9	-10.0	-11.1	-9.6	-7.6	-5.2	-4.4	-3.6	-2.8	-1.7	-2.8	-1.5	-3.2	2.0	-1.1
Q	6	2.1	2.1	4.2	5.6	6.8	6.8	5.6	5.5	2.8	-0.5	-3.9	-7.5	-7.6	-6.4	-6.3	-5.3	-5.2	-5.3	-5.2	-4.8	-4.0	-2.9	-0.4	1.9	-0.9
	7	0.8	3.0	3.1	4.4	5.5	5.0	3.1	-1.0	-2.8	-6.5	-8.7	-12.2	-12.2	-12.4	-10.1	-6.4	-6.5	-5.3	-7.5	-8.6	-8.8	-5.0	6.8	16.5	-2.7
	8	28.9	34.3	26.4	15.7	20.4	16.0	-3.9	-4.5	-6.4	-8.9	-11.1	-14.6	-15.5	-18.5	-13.7	-8.9	-5.1	-5.2	-4.6	-5.1	-6.3	22.6	18.2	1.9	1.7
	9	-0.4	0.8	1.9	4.4	5.6	4.3	4.3	3.2	1.4	-1.8	-6.4	-11.9	-12.2	-10.4	-7.8	-5.2	-10.0	2.2	-8.8	-7.2	4.4	9.3	-1.5	8.0	-1.4
	10	1.4	4.4	12.3	8.4	2.0	0.3	5.0	4.3	1.4	-1.7	-6.2	-9.6	-10.6	-11.2	-7.6	-9.2	-7.0	-4.0	-3.5	1.4	-2.6	-2.8	0.2	15.3	-0.8
D Q	11	22.4	30.9	9.9	14.0	3.1	-2.7	2.0	4.5	2.1	-2.8	-4.1	-9.3	-13.7	-12.4	-14.0	-11.8	-8.9	-5.2	-6.4	-5.8	-4.0	-0.5	-0.4	0.8	-0.5
	12	4.3	7.3	6.3	6.4	5.5	4.3	4.6	-2.1	-4.5	-7.6	-8.8	-11.1	-16.0	-8.6	-12.4	-7.2	-10.8	-9.2	-8.7	-7.6	-4.1	-4.0	-2.9	-0.9	-3.7
	13	-1.1	0.7	5.0	5.7	3.2	1.9	-0.5	-1.2	-3.3	-4.0	-7.7	-10.8	-10.6	-11.2	-10.1	-6.3	-6.4	-7.7	-6.6	-7.5	-6.4	-4.5	-4.0	0.9	-3.8
	14	2.1	4.6	5.2	5.6	4.4	3.3	2.1	0.8	-0.9	-2.9	-5.2	-6.4	-7.6	-8.2	-9.3	-7.7	-7.7	-5.7	-8.0	-6.5	-5.6	-5.4	-3.4	-1.0	-2.6
	15	-0.4	0.8	1.9	3.3	2.0	1.9	0.8	-0.2	-2.7	-6.4	-11.0	-11.2	-12.5	-9.5	-6.4	-4.1	-5.4	-7.5	-8.9	-8.2	-5.7	-2.6	5.2	5.4	-3.4
Q	16	2.0	3.0	3.8	2.4	-7.8	0.8	2.0	-0.4	-1.6	-2.9	-6.3	-7.4	-8.4	-9.8	-7.6	-6.3	-6.6	-7.6	-6.3	-3.9	-0.5	0.8	2.0	3.2	-2.6
	17	3.0	1.9	2.0	3.1	3.2	5.0	4.3	2.0	-0.9	-3.9	-8.8	-13.8	-14.9	-10.6	-7.6	-4.5	-6.6	-5.2	-4.0	-4.0	-3.9	-5.0	4.3	31.2	-1.4
	18	64.8	52.8	43.9	11.5	9.2	8.7	6.9	5.5	2.1	-1.5	-6.5	-8.9	-9.4	-8.8	-5.4	-5.1	-2.7	-2.2	-3.4	-2.7	-2.8	-2.8	-2.4	8.2	6.2
	19	12.7	8.8	4.4	4.4	5.6	4.6	1.6	0.1	-3.4	-5.8	-7.6	-8.8	-8.7	-7.6	-5.3	-4.6	-2.8	-3.9	-2.6	-3.0	-4.0	-3.9	-3.9	-2.6	-1.5
	20	-0.4	0.2	0.8	1.0	1.9	3.1	4.4	3.1	-0.4	-4.8	-8.3	-10.8	-10.6	-9.0	-5.4	-3.4	-2.1	-6.5	-6.4	-5.2	-7.5	-6.4	-1.6	0.8	-3.1
Q	21	-2.9	-1.5	0.7	-1.5	-1.4	-0.4	-2.8	-3.4	-3.3	-6.4	-11.4	-17.0	-19.5	-21.4	-16.4	-16.1	-9.0	-7.6	-5.2	6.0	17.5	8.8	9.2	30.2	-3.1
	22	26.8	13.9	3.9	4.0	5.6	4.0	0.3	1.4	-2.0	-6.4	-13.0	-13.6	-13.5	-15.3	-17.1	-13.7	-10.0	-12.4	-8.9	-5.8	6.0	12.3	13.0	43.2	0.1
	23	95.0	49.5	14.1	11.1	8.6	5.0	3.3	0.8	-3.3	-5.8	-7.7	-13.1	-18.5	-19.4	-6.2	-4.6	-6.4	-8.4	-1.5	-1.7	-3.9	-3.8	-0.8	0.2	3.4
	24	0.2	3.1	4.3	5.6	5.4	5.7	3.6	3.1	-1.7	-8.0	-14.1	-12.8	-12.6	-8.4	-4.8	-3.8	-4.7	-4.0	-1.6	-4.7	-4.5	-0.3	2.6	12.7	-1.7
	25	3.2	4.6	3.2	4.6	6.9	5.1	3.4	2.0	-0.3	-3.0	-10.2	-11.8	-7.7	-7.5	-6.8	-6.5	-3.9	-5.2	-4.6	-4.0	-1.7	9.8	58.4	58.5	3.6
Q D	26	57.8	20.0	3.1	5.0	6.9	7.4	0.9	-1.6	-1.5	-8.8	-12.9	-15.4	-18.0	-24.2	-19.7	-17.2	-8.0	-5.0	-5.8	7.4	35.6	14.4	4.4	2.2	1.1
	27	3.2	0.4	1.2	3.2	3.8	5.2	5.8	5.0	3.2	-0.8	-5.2	-6.8	-6.2	-3.8	-3.5	-1.7	-4.0	-5.2	-4.7	-2.8	-0.4	-0.4	1.9	0.4	-0.6
	28	1.9	4.4	4.8	3.8	4.0	3.8	3.6	0.8	-2.9	-7.0	-12.0	-12.4	-12.9	-13.6	-17.2	-16.0	-10.7	-8.2	-7.6	-6.0	-4.0	-2.8	-0.8	-2.3	-4.6
	29	0.2	-1.4	1.2	4.5	4.8	6.0	5.6	3.2	0.2	-4.8	-8.6	-10.1	-7.6	-7.0	-6.0	-4.6	-3.8	-4.6	-4.4	-4.0	-4.1	2.6	3.8	7.4	-1.3
	30	5.2	3.2	3.4	4.9	5.6	6.0	4.4	1.6	-0.6	-4.4	-9.4	-8.8	-10.7	-10.0	-8.9	-7.1	-5.8	-5.8	-6.8	-6.8	-5.2	9.8	1.6	6.1	-1.6
D	31	13.4	18.2	29.6	28.8	12.1	3.2	-0.4	-5.6	-5.8	-8.8	-7.6	-7.6	-10.5	-9.2	-8.0	-10.7	-14.0	-20.8	-17.2	-3.4	-39.2	35.2	2.8	8.2	-0.7
	Среднее по всем по Q по D дням	11.6	9.8	8.2	7.6	4.9	4.4	2.2	0.7	-1.6	-5.1	-8.9	-11.0	-12.0	-11.1	-9.1	-7.4	-6.5	-6.3	-6.2	-4.2	-2.8	2.0	3.4	8.5	-1.2
Q D	по Q	2.5	2.6	3.4	4.7	5.0	4.9	4.5	3.5	0.8	-2.6	-5.9	-7.7	-8.8	-7.0	-5.9	-4.7	-4.5	-5.3	-5.7	-4.9	-3.9	-3.3	-0.6	1.1	-1.6
	по D	39.3	30.9	21.9	17.3	6.6	4.2	1.2	0.7	-2.1	-6.5	-8.0	-10.2	-13.4	-11.8	-8.0	-7.1	-6.9	-8.2	-6.7	-3.3	-10.3	-5.3	-0.4	4.1	0.7

ЛОПАРСКАЯ
АВГУСТ 1971 г.

Горизонтальная составляющая $H = 11800 + \text{табличное значение в гаммах}$
Широта $68^{\circ}15'$ Долгота $33^{\circ}05'$

Дни	Время миро- вое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.
D Q	1	47	23	34	31	27	21	23	14	11	-6	11	22	23	39	48	59	49	63	61	59	51	15	48	39	34
	2	15	19	15	-115	-32	-2	-6	9	75	69	27	31	82	124	47	25	24	39	55	37	-6	-44	-6	2	20
	3	19	23	33	31	37	33	23	15	7	0	7	13	52	43	35	35	35	29	36	38	44	33	17	-6	26
	4	22	23	21	23	17	5	12	9	9	11	47	51	75	73	36	29	35	47	63	67	37	39	40	19	34
	5	-79	-166	-95	-115	-107	-53	33	42	11	-2	0	7	27	47	47	69	47	35	31	29	27	5	15	38	-4
Q	6	41	42	37	31	31	24	17	5	3	7	9	14	25	31	35	35	39	41	41	39	38	33	29	31	28
	7	35	38	39	36	32	31	26	19	13	7	-2	17	35	47	49	39	39	35	46	49	47	31	-41	-168	21
	8	-160	-158	-70	3	15	-10	-6	0	7	19	23	51	89	131	151	95	43	33	31	39	35	-144	-144	11	4
	9	23	15	28	43	27	19	23	17	8	-2	25	51	47	47	55	55	99	87	53	39	-47	-22	33	-17	29
	10	43	37	-73	-85	-15	-7	19	32	21	7	-2	18	22	56	43	79	136	91	73	37	37	35	2	-237	15
D Q	11	-248	-143	-34	-51	-71	-23	27	24	13	24	12	58	73	64	72	90	74	58	50	35	23	3	24	12	7
	12	3	16	38	36	27	18	-19	-17	-27	-8	28	31	78	128	92	84	75	48	44	36	34	28	15	8	33
	13	-43	5	31	24	14	4	-3	2	0	9	15	21	27	47	60	52	44	43	43	40	36	31	18	-12	21
	14	-22	27	36	36	31	28	20	11	4	4	3	11	28	38	35	59	60	63	36	36	36	31	20	28	28
	15	32	36	33	28	23	22	19	11	8	8	18	19	50	48	36	27	42	50	58	51	42	23	-10	13	29
D Q	16	39	48	41	17	-14	23	24	15	10	2	18	21	26	43	55	55	71	63	47	40	30	20	20	34	31
	17	39	35	31	41	40	33	14	24	7	0	4	20	31	31	36	52	57	45	41	36	41	47	-47	-293	15
	18	-302	-112	-111	16	55	53	50	26	8	2	9	19	26	43	47	49	43	39	43	40	40	34	11	-59	3
	19	-37	-6	34	39	28	23	8	15	12	12	11	23	27	32	36	47	39	40	40	40	38	35	33	30	25
	20	36	39	40	43	43	38	23	10	-2	-6	-3	11	26	38	42	49	49	58	52	49	43	41	7	7	30
D Q	21	49	46	44	38	35	23	23	24	21	20	24	46	73	123	116	141	99	88	54	-46	-212	-46	-83	-185	21
	22	-146	-26	41	45	30	15	11	12	5	6	24	42	44	106	157	136	131	90	58	-8	-85	-72	-100	-286	10
	23	-447	-219	29	51	58	51	43	16	-4	-14	-7	24	79	136	79	42	45	58	82	48	14	16	0	15	8
	24	37	31	19	21	30	24	9	12	11	7	27	23	45	20	34	36	40	67	58	35	39	25	-13	-10	26
	25	27	32	45	45	30	26	17	0	-13	-11	6	20	13	35	50	52	66	50	47	31	35	-24	-316	-475	-9
Q D	26	-496	-162	51	46	36	21	-5	-6	21	66	55	87	122	171	173	150	85	77	23	-102	-188	-83	-7	3	6
	27	25	38	42	43	36	28	12	2	-11	-8	0	15	28	30	35	31	38	38	36	44	36	32	4	2	24
	28	28	39	42	42	33	28	20	11	7	11	18	19	28	36	75	147	125	68	34	48	49	38	31	34	42
	29	12	17	36	42	37	32	26	13	11	4	4	12	15	25	30	32	38	44	41	42	42	38	34	14	27
	30	-36	15	38	36	36	30	22	10	9	10	22	16	30	37	42	44	52	44	50	54	36	-4	17	33	27
D	31	7	-172	-127	-10	31	43	7	-10	5	14	-4	3	26	27	35	63	99	154	101	-46	-293	-208	35	5	-9
Среднее по всем по Q по D дням		-46	-17	12	16	19	19	17	12	8	8	14	26	44	61	61	63	62	58	49	30	3	0	-10	-44	19
		29	34	38	37	36	30	19	9	0	0	3	13	32	36	40	42	44	46	40	41	39	34	15	12	28
		-195	-125	-46	-22	8	24	24	13	19	18	7	27	57	79	56	54	57	70	66	23	-44	-40	13	-5	6

ЛОПАРСКАЯ
АВГУСТ 1971 г.

Вертикальная составляющая $Z = 51300^{\circ}$ + табличное значение в гаммах
 Широта $68^{\circ}15'$ Долгота $33^{\circ}05'$

Д н и	Время миро- вое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средня суточн.
Q	1	39	25	27	27	25	41	27	27	35	25	32	41	45	44	53	55	55	43	23	25	-46	-40	14	29	28
	2	2	-14	-8	-61	-48	-12	13	50	86	73	69	83	85	65	44	48	42	39	35	13	-23	-48	-1	19	23
	3	30	34	43	33	29	45	40	38	44	42	49	37	45	65	65	52	49	42	42	35	28	14	13	-7	38
	4	30	37	38	27	24	31	23	26	27	35	39	65	111	87	57	46	44	43	46	39	23	39	39	32	42
	5	-19	-103	-134	-76	-105	-59	25	38	33	46	44	48	57	57	58	52	43	41	30	28	24	-7	0	40	7
Q	6	38	43	50	50	50	37	40	33	33	32	37	36	40	36	36	44	43	40	40	39	33	31	13	18	37
	7	40	38	39	44	45	40	32	37	37	41	34	30	40	51	37	44	41	32	28	25	31	25	53	-19	35
	8	14	-40	-68	-47	-16	2	12	26	36	59	87	137	153	132	118	87	77	64	41	38	38	24	-44	-7	38
	9	2	31	36	41	35	37	24	40	35	45	77	96	126	110	85	80	76	-4	30	38	24	-7	19	4	45
	10	42	27	-22	-57	-26	7	21	48	53	41	47	47	61	71	82	97	57	35	32	19	27	33	18	-43	30
D	11	-60	-98	-21	-2	10	15	39	46	43	53	91	125	134	79	65	69	87	59	40	47	34	5	32	23	38
	12	14	16	40	28	33	32	47	64	68	67	62	35	79	110	80	92	40	47	46	46	32	26	12	20	47
	13	-5	2	16	24	32	33	44	44	43	50	54	51	66	73	77	92	61	48	38	43	36	25	28	-27	40
	14	-39	10	30	27	37	35	37	40	37	40	51	53	50	50	59	64	71	43	34	39	41	47	27	26	38
	15	42	43	48	34	37	41	32	40	39	47	43	41	49	54	73	68	49	37	33	40	18	7	-57	-38	34
Q	16	26	38	22	15	-12	-2	9	19	38	47	60	68	53	53	34	50	56	53	37	39	25	22	-7	24	32
	17	33	38	40	38	38	39	30	40	50	39	47	43	62	61	66	76	64	49	31	37	34	34	54	-52	41
	18	-161	-112	-67	-48	17	29	30	30	30	32	42	33	33	33	33	39	40	36	34	32	35	42	27	-41	8
	19	-47	-5	25	43	42	30	39	34	26	33	37	38	51	52	49	50	44	42	35	39	35	35	33	38	33
	20	37	48	43	40	37	31	40	43	40	40	27	38	41	38	41	45	59	71	61	60	46	41	30	-59	-39
Q	21	18	30	37	27	26	21	16	20	35	53	77	101	124	149	123	115	108	89	45	46	-3	-23	-8	-133	46
	22	-128	-76	7	41	34	30	34	43	66	77	81	93	95	117	126	113	90	72	61	41	68	85	86	145	58
	23	180	-145	-58	-10	19	20	34	41	37	53	41	56	93	121	106	55	47	67	54	7	-9	5	7	21	35
	24	48	38	38	40	51	41	43	37	31	40	44	53	61	51	40	42	41	59	44	35	31	12	-15	-14	37
	25	-2	-4	29	27	47	53	37	44	40	41	54	64	61	56	43	50	76	53	40	17	7	-47	-142	16	28
Q	26	-2	-19	53	50	43	33	52	46	59	68	98	112	116	135	132	120	92	82	61	4	-90	-63	-15	6	49
	27	25	46	45	43	49	50	46	59	59	60	60	42	39	43	40	42	49	50	49	32	39	34	18	-7	42
	28	22	23	30	27	37	56	43	44	38	42	54	45	33	35	47	107	112	79	45	48	52	47	40	33	47
	29	16	16.1	34	34	42	38	39	44	42	43	40	27	27	38	33	35	48	46	38	37	32	24	23	14	34
	30	-36	-3	29	31	38	37	31	36	35	33	34	40	40	40	41	64	52	46	33	41	32	-48	-37	-36	24
D	31	-16	-80	-199	-105	-4	22	32	35	32	41	45	32	33	35	35	49	71	35	25	66	-92	-106	16	17	1
	Среднее по всем по Q по D дням	6	-4	7	12	21	28	33	39	42	46	54	58	68	69	64	66	61	49	40	35	18	8	6	2	35
		18	36	42	39	40	40	40	45	45	40	47	42	42	47	49	52	57	47	45	38	36	31	2	2	38
		-11	-90	-71	-45	-1	15	30	40	46	51	58	66	76	67	57	52	57	47	38	33	-11	-20	16	8	21

ДОПАРСКАЯ

СЕНТЯБРЬ 1971 Г.

Магнитное склонение $D = I2^0 + \text{табличное значение в минутах}$ Широта $68^0 15'$ Долгота $33^0 05'$

Д н и	Время микро- вое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.
00	1	17.2	6.1	0.6	4.9	3.6	5.0	2.6	0.1	-1.2	-5.5	-8.0	-10.8	-9.0	-6.6	-7.2	-4.2	-3.0	-3.0	-3.5	0.0	1.3	2.3	5.9	0.4	-0.5
	2	0.8	-0.6	0.1	1.8	3.0	3.6	3.0	0.4	-2.4	-5.9	-8.3	-8.5	-7.7	-5.9	-4.2	-3.5	-3.5	-4.2	-4.4	-4.4	-4.2	-2.5	-1.9	-0.8	-2.5
	3	1.8	1.8	0.4	1.8	1.3	1.1	-1.8	-4.3	-7.2	-11.9	-15.5	-11.9	-11.9	-8.0	-2.3	-2.3	-3.1	-4.7	-5.0	-0.1	-4.6	-4.4	-3.1	-1.0	-4.0
	4	0.1	0.7	2.0	1.8	1.8	1.4	1.4	-0.1	-4.7	-9.5	-13.1	-12.1	-10.8	-8.3	-5.9	-3.7	-5.5	-8.5	-12.7	-6.5	2.4	-6.0	9.4	41.8	-1.9
	5	21.0	7.2	4.0	3.7	-0.5	-4.9	-4.9	-7.1	-10.7	-10.1	-9.6	-12.0	-14.2	-10.8	-20.4	-16.8	-13.1	-9.6	-12.6	-6.4	30.4	15.6	-1.0	0.1	-3.4
D	6	1.2	1.2	1.1	1.1	1.2	0.0	-1.2	-3.7	-8.5	-9.5	-13.2	-10.8	-13.7	-12.5	-21.5	-8.9	-11.4	-9.2	-10.7	-6.7	-2.8	2.0	13.9	36.4	-3.6
	7	77.9	32.3	5.9	1.6	-2.0	-1.0	1.2	-1.2	-2.4	-4.9	-9.0	-9.7	-9.6	-8.8	-13.0	-25.3	-19.9	-15.8	-2.5	18.6	62.8	3.5	52.6	66.6	8.2
	8	39.6	15.6	4.8	2.4	-2.4	0.0	-1.8	-1.2	-3.5	-3.5	-7.6	-9.7	-8.5	-10.7	-6.6	-3.6	-4.8	-7.0	-4.2	1.2	0.1	6.7	1.8	-1.8	-0.2
	9	-2.3	-2.2	0.5	-0.1	-1.3	0.0	0.1	-0.1	-2.3	-4.2	-7.1	-11.9	-11.9	-14.5	-10.2	-10.0	4.2	-6.1	-7.1	-5.4	0.0	-6.0	0.0	1.9	-4.0
	10	-1.9	0.0	0.0	-2.6	0.0	0.0	1.0	-1.1	-4.8	-6.5	-8.8	-10.2	-9.7	-12.0	-7.3	-5.9	-4.9	-5.0	-4.7	-5.4	-4.9	-4.7	-5.0	-1.8	-4.5
	11	-2.0	-0.1	-1.3	-1.3	-2.5	-0.6	-1.1	-2.3	-5.9	-8.3	-10.7	-13.1	-15.0	-19.4	-19.3	-10.9	-6.8	-7.1	-7.1	-5.5	1.8	2.5	-4.7	-4.7	-6.1
	12	-4.6	-3.0	-0.5	2.3	1.1	-0.1	-0.1	-2.0	-4.4	-7.2	-9.7	-10.7	-10.8	-7.2	-6.6	-5.4	-3.0	-5.9	-6.1	-8.3	-7.8	-6.0	7.2	6.4	-3.8
	13	1.2	7.0	5.6	8.8	-1.3	-2.4	7.0	-2.3	-7.9	-11.6	-11.9	-13.1	-10.8	-8.3	-6.1	-5.9	-4.3	-4.6	-7.3	-6.1	-4.9	-1.1	-0.1	2.6	-3.2
	14	3.7	1.2	2.5	2.4	0.6	1.1	-0.7	-0.1	-3.6	-7.6	-13.0	-14.2	-10.8	-9.6	-8.3	-7.2	-7.2	-8.3	4.2	4.9	27.6	31.9	22.1	-1.7	0.4
	15	6.1	6.5	0.1	-2.3	-0.1	0.1	-1.1	-3.7	-4.7	-8.3	-11.8	-10.2	-11.4	-9.6	-8.3	-4.9	-4.1	-5.4	-2.4	3.6	-2.9	-3.5	-3.7	-3.1	-3.5
D	16	-3.5	0.6	0.8	0.0	1.1	1.2	0.1	-2.3	-4.7	-9.4	-13.7	-9.7	-8.4	-7.2	-6.1	-4.9	-3.6	-3.5	-4.7	-3.4	-5.2	-4.0	13.3	11.8	-2.7
	17	1.3	6.0	2.4	0.1	-0.6	-0.4	-0.1	-1.1	-2.4	-4.9	-5.9	-7.3	-10.2	-7.2	-4.7	-6.1	-7.8	-10.9	2.3	-3.6	1.3	5.0	6.1	32.4	-0.7
	18	61.8	66.6	33.6	23.0	19.8	-7.2	-0.6	3.7	-6.6	-3.7	-12.0	-13.1	-14.2	-10.9	-10.2	-10.8	-11.6	-2.5	-1.1	-3.5	1.3	9.5	3.6	0.6	4.8
	19	-0.1	-0.1	0.0	0.0	-0.6	0.6	3.6	2.4	0.1	-1.9	-4.8	-8.5	-9.6	-8.9	-6.6	-6.0	-8.4	-8.0	-2.3	3.5	3.7	4.8	1.2	3.5	-1.8
	20	6.7	10.7	18.6	8.9	-1.2	-1.2	0.0	-0.8	-2.4	-2.4	-6.0	-12.1	-12.0	-17.2	-11.3	-9.6	-3.4	-6.4	-2.4	8.9	4.8	8.4	7.6	8.5	-0.2
0000	21	4.2	3.2	-0.5	1.1	1.0	2.4	2.9	1.8	0.2	-2.0	-4.6	-6.7	-5.9	-6.0	-5.9	-4.2	-4.7	-1.6	-4.1	5.6	13.1	0.7	-1.8	-2.8	-0.6
	22	-1.2	-1.2	0.5	0.4	2.5	3.1	3.0	1.1	-1.8	-5.5	-9.4	-9.5	-10.7	-7.8	-4.3	-4.0	-3.4	-4.0	-3.6	-3.5	-3.2	-1.8	-2.8	-2.2	-2.9
	23	-1.6	-1.7	-1.2	-0.7	0.0	-0.1	0.6	0.1	-1.8	-4.7	-4.9	-7.1	-7.2	-6.5	-5.8	-2.8	-1.9	-3.0	-5.3	-4.6	-4.2	-4.2	-3.6	-3.2	-3.0
	24	-3.5	-2.4	-2.4	-1.8	-1.7	-0.1	0.6	0.6	-0.7	-2.9	-4.8	-6.4	-7.2	-7.0	-6.4	-6.8	-6.0	-7.1	-8.2	0.1	21.0	13.0	9.6	2.9	-1.2
	25	-1.3	2.6	-4.8	-3.4	-2.4	3.6	-10.8	-11.2	-9.6	-9.5	-12.1	-17.4	-16.4	-31.1	-28.6	-21.6	-19.8	-13.2	-12.1	-7.8	-5.9	-1.1	18.6	4.8	-6.8
D	26	3.8	7.2	5.9	1.8	1.9	3.0	3.7	3.0	-1.3	-3.4	-10.1	-10.1	-13.3	-11.9	-10.6	-8.4	-9.6	-9.7	-5.9	-3.1	32.4	60.5	76.8	129.0	9.7
	27	121.8	102.0	75.0	7.2	1.2	-0.1	-0.6	-1.1	-4.8	-9.6	-14.9	-23.2	-21.5	-21.5	-8.5	-6.4	-8.5	13.2	-2.3	-1.1	1.2	2.3	-1.3	-1.1	8.2
	28	5.3	8.3	-2.3	-1.2	1.2	2.4	3.5	0.5	-1.2	-3.5	-6.1	-11.5	-10.7	-9.4	-9.6	-4.2	-3.6	-1.8	-2.0	-0.1	2.4	-1.1	-1.1	-1.8	-2.0
	29	-1.1	-2.3	-1.2	-1.3	0.5	1.8	1.3	1.9	0.4	-3.7	-7.4	-8.5	-7.4	-6.1	-5.0	-4.7	-4.7	-1.6	0.1	0.0	-3.0	-1.6	-2.4	-2.5	-2.4
	30	-2.5	-2.3	-1.3	-1.2	0.1	0.7	-0.8	-3.6	-4.8	-6.6	-10.7	-16.1	-20.0	-18.2	27.1	-31.3	-2.5	-6.1	22.8	24.4	4.0	23.5	31.9	35.5	-0.5
Среднее по всем по по дням		11.7	9.0	5.0	2.0	0.8	0.4	0.3	-1.1	-3.9	-6.3	-9.5	-11.2	-11.4	-11.0	-10.0	-8.3	-6.2	-5.7	-3.8	-0.5	5.3	4.8	8.3	11.9	-1.2
		0.8	0.3	0.2	0.9	1.6	-2.0	1.5	-0.2	-1.6	-6.0	-8.5	-8.7	-8.7	-6.8	-4.5	-3.4	-2.6	-3.5	-4.5	-1.4	-0.6	-2.4	-2.6	-2.0	-2.7
		51.5	40.2	21.7	5.4	3.3	-0.8	-2.4	-2.7	-5.6	-6.9	-11.7	-15.9	-16.3	-18.1	-17.5	-19.1	-12.5	-10.1	1.0	6.1	15.4	7.6	21.1	46.3	3.3

ДОПАРСКАЯ
СЕНТЯБРЬ 1971 Г.

Горизонтальная составляющая $H = 11800'$ + табличное значение в гаммах
Долгота $33^{\circ}05'$ Широта $68^{\circ}15'$

Д	Н	И	Время микро- вое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.
Q	1		-177	-71	14	13	36	28	29	20	-4	12	12	26	47	53	44	38	52	42	38	-55	-32	-12	-56	-6	4	
	2		37	35	33	29	27	27	20	11	2	-1	10	19	27	30	30	27	25	31	36	36	33	37	29	24	26	
	3		11	10	-14	12	25	20	7	-3	-7	-5	19	23	59	65	28	27	27	37	43	44	34	29	26	24	23	
	4		29	29	30	29	27	22	14	4	-4	-3	8	18	28	38	37	37	42	53	61	36	-92	4	-57	-218	7	
	5		-53	38	48	35	-3	-9	-8	-17	-4	33	28	26	87	45	146	205	114	89	68	19	-74	-102	34	44	33	
D	6		35	41	42	41	37	33	19	2	-3	7	40	41	13	28	124	103	87	69	49	34	22	-9	-48	-174	26	
	7		-281	-95	2	41	21	28	27	24	12	9	30	12	16	29	92	205	147	66	-74	-329	-376	-394	-268	-310	-57	
	8		-224	4	36	27	31	35	18	-6	2	28	43	14	18	46	43	50	52	53	43	48	11	2	5	19	17	
	9		14	21	27	30	35	27	21	20	20	5	8	34	27	57	75	69	88	45	41	37	45	48	26	72	37	
	10		86	28	24	24	26	24	27	21	13	6	5	13	22	37	35	37	38	38	39	37	38	36	19	27	29	
	11		24	26	31	31	35	34	21	14	9	6	8	1	21	53	79	60	53	53	42	35	-2	14	32	29	29	
	12		22	14	19	29	36	30	27	19	12	-4	-12	4	16	27	36	37	37	36	38	47	44	35	-56	-30	19	
	13		11	1	-56	-27	15	26	-3	29	20	33	28	22	6	13	26	34	31	37	39	45	38	29	24	-15	17	
	14		-27	14	32	33	25	24	14	4	4	2	14	26	12	14	20	30	39	51	75	27	-87	-151	-134	-5	2	
	15		29	30	42	37	34	33	30	15	10	8	3	-27	27	68	41	27	32	32	37	40	9	20	27	27	26	
D	16		5	-13	9	20	24	20	17	7	-6	4	23	2	19	23	27	29	30	43	38	42	38	3	-110	-165	5	
	17		4	32	42	38	34	33	21	14	9	12	7	20	35	37	51	45	41	53	96	35	-56	-59	1	-252	12	
	18		-359	-571	-468	-317	-132	-50	-31	3	59	-3	66	161	95	52	37	68	106	-32	30	34	-16	-36	3	25	-53	
	19		28	27	16	8	18	17	13	-1	10	3	3	6	3	11	17	20	53	46	66	3	-20	-79	-25	-3	10	
	20		3	-21	-56	-18	30	46	23	12	8	3	-2	28	93	124	72	43	61	31	-36	-185	-17	-61	-15	-44	5	
Q	21		13	10	25	26	24	25	15	8	6	2	2	8	8	16	32	32	42	46	33	-45	-48	-2	26	28	14	
	22		25	18	14	12	25	26	16	9	3	1	5	12	18	23	17	27	32	31	35	31	16	10	30	30	19	
	23		30	30	32	32	29	24	12	4	-2	-8	-1	10	20	34	34	43	43	37	32	33	35	34	33	34	25	
	24		34	33	33	33	34	31	24	15	5	-3	-7	3	11	17	26	33	32	41	45	6	-145	-139	-15	-27	5	
	25		-42	-14	10	8	4	-19	-44	-43	-21	16	33	123	62	104	178	135	121	135	110	67	46	14	-23	6	40	
D	26		16	-19	-12	20	24	19	11	5	9	-4	8	2	13	22	26	25	36	61	53	14	-250	-410	-569	-661	-65	
	27		-509	-404	-295	-113	31	45	24	27	32	48	58	120	136	80	162	48	46	6	-37	35	-7	-66	-14	24	-22	
	28		-13	-90	-51	19	26	31	20	20	21	11	17	23	22	35	40	33	28	32	29	17	-23	4	18	19	12	
	29		18	14	19	27	30	30	21	12	5	-1	2	9	14	20	21	26	28	38	29	-2	14	30	30	-1	18	
	30		10	39	40	38	36	36	21	15	10	10	8	59	177	152	283	272	153	-43	-205	-106	-35	-234	-341	-209	8	
Среднее по всем по Q по D дням			-40	-27	-11	7	22	23	15	9	8	8	15	28	38	45	63	62	57	42	30	3	-29	-47	-46	-56	9	
			23	21	18	22	27	25	16	7	1	1	6	12	24	31	28	29	34	36	36	20	14	22	28	28	21	
			-236	-209	-14	-69	-8		-1	5	18	16	39	95	97	83	150	146	115	26	-36	-60	-78	-143	-129	-93	-2	

ЛОПАРСКАЯ
СЕНТЯБРЬ 1971 Г.

Вертикальная составляющая $Z = 51300\sqrt{}$ + табличное значение в гаммах
Широта $68^{\circ}15'$ Долгота $33^{\circ}05'$

Д н я	Время микро- вое	I	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. по дням
Q Q	1	-24	-66	9	17	38	48	52	50	51	56	49	52	57	61	44	54	54	38	28	-56	-64	-37	-76	-25	17
	2	28	43	48	38	42	42	40	45	42	37	43	43	35	37	32	37	43	43	37	33	39	21	37	30	38
	3	28	21	7	14	31	34	28	26	36	35	49	63	99	84	46	37	42	33	37	44	16	33	22	26	37
	4	33	41	37	35	48	38	38	42	42	38	42	35	47	38	47	42	49	52	57	49	29	59	83	102	47
	5	-45	26	43	38	16	21	27	42	43	64	82	90	74	71	105	90	107	90	69	61	-129	-118	17	53	39
D	6	43	43	42	43	38	45	44	50	47	50	61	93	90	74	95	115	94	83	53	47	38	22	42	14	57
	7	-152	38	19	26	35	52	40	45	69	66	59	57	53	49	73	78	74	38	50	106	195	33	-40	-12	41
	8	-40	-48	-7	-8	41	64	54	49	52	73	74	69	55	63	69	75	61	58	50	33	-9	-2	6	30	36
	9	38	38	38	33	44	43	40	42	42	47	56	43	53	57	73	84	66	59	50	43	45	11	42	31	47
	10	11	26	45	42	45	44	27	39	49	32	40	54	69	60	47	53	48	47	43	40	41	41	9	8	40
	11	17	21	43	42	33	26	32	32	37	42	50	62	74	89	137	118	95	80	59	37	17	11	37	45	52
	12	42	32	14	27	43	34	38	45	41	52	45	42	45	46	53	58	64	48	40	38	40	44	-15	-17	37
	13	-14	-23	10	-35	-4	12	38	45	69	66	65	59	47	32	40	35	39	34	21	41	48	36	38	1	29
	14	-13	20	23	17	39	37	36	36	42	38	46	59	53	47	44	38	54	53	27	-30	-63	-73	17	17	24
	15	15	21	38	42	40	45	27	39	42	52	74	90	79	100	48	58	48	43	48	-10	-14	22	37	38	43
D	16	27	12	27	38	38	43	38	41	52	48	47	48	54	47	47	61	48	45	48	34	32	0	-33	-202	27
	17	-40	1	25	38	47	40	42	43	43	48	59	48	55	74	69	61	55	59	37	-30	-88	-28	6	0	28
	18	92	-125	-8	9	13	-5	1	40	79	64	79	120	100	91	105	100	74	-21	33	63	42	27	32	38	36
	19	53	45	53	45	39	48	45	50	68	59	66	48	52	53	47	59	66	66	39	3	10	7	14	26	44
	20	19	0	-69	-29	33	69	29	24	35	51	45	42	71	70	70	61	53	30	-27	-251	-38	-48	-27	-78	6
ooo	21	-7	7	13	18	24	23	16	14	21	19	19	19	25	28	40	46	37	46	29	5	-28	-23	11	24	18
	22	24	18	9	16	18	19	29	18	30	24	34	45	35	26	31	34	29	38	15	27	-14	-31	16	27	22
	23	14	25	17	24	22	29	19	24	29	29	26	23	24	21	34	43	40	24	21	17	11	24	23	14	24
	24	23	14	14	16	23	13	24	19	24	24	23	4	9	14	20	24	24	30	19	0	-48	-183	-79	-27	1
	25	-38	-54	-33	-76	-49	-15	33	24	29	61	90	119	83	77	55	79	76	42	39	40	14	-9	-46	1	23
p	26	25	-11	-8	13	24	35	27	19	24	29	19	10	17	24	29	25	29	45	18	18	-12	227	-114	-150	15
	27	-72	-78	42	-33	-42	18	29	41	45	40	46	50	52	71	39	42	55	-49	106	16	-12	-78	-57	-1	2
	28	-2	-26	-33	2	28	35	29	29	33	46	52	50	45	46	61	75	43	35	16	-9	-54	-12	3	8	21
	29	4	21	24	26	29	25	29	34	31	33	29	31	39	41	42	38	40	29	-12	-64	-43	3	21	8	19
	30	0	12	24	24	25	24	23	28	28	28	48	80	115	99	37	0	33	62	99	-75	-21	78	-101	-140	22
Среднее по всем		-3	0	17	17	27	33	32	36	42	45	51	55	57	56	56	57	55	43	31	9	-1	2	-2	-3	30
по по		17	28	19	22	27	29	26	25	16	29	34	39	44	39	37	39	38	37	28	25	5	5	22	54	28
по дням		-71	-41	9	-3	-5	15	25	36	50	52	64	85	81	77	62	60	62	14	23	27	46	26	-52	-23	26

ЛОПАРСКАЯ
ОКТАБРЬ 1971 г.

Магнитное склонение $D = I2^0 +$ табличное значение в минутах
Долгота 33^018 Широта 68^037

Дни	Время миро- вое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.
DD	1	10.4	4.6	43.8	1.4	-3.8	-3.5	-2.9	-2.5	-2.4	-5.8	-7.4	-4.7	-8.5	-6.8	-4.9	2.8	-2.6	-5.9	-3.5	-3.0	3.5	18.5	43.7	51.6	4.7
	2	31.1	8.3	5.0	-1.7	-2.4	-3.4	-4.2	-7.0	-6.5	-8.2	-14.4	-9.5	-14.4	-1.6	-5.9	-6.4	-1.9	-1.4	-3.7	-3.5	-2.0	23.8	39.7	16.2	1.1
	3	37.2	52.7	2.3	7.2	1.6	-0.8	-2.3	-1.2	-5.6	-5.2	-7.8	-12.4	-13.3	-12.0	-4.8	-5.5	-7.3	-3.0	-4.8	-4.3	-3.5	-1.2	1.6	-2.3	0.2
	4	5.3	-2.9	-1.3	-3.5	-4.8	-4.1	-2.4	-2.6	-4.8	-3.7	-5.8	-7.3	-6.1	-4.2	-4.2	-4.6	-4.8	-4.2	-3.8	3.2	45.1	51.5	34.8	8.0	3.0
	5	9.6	20.0	1.2	3.7	-4.8	-4.8	-1.8	-4.6	-4.8	-9.0	-7.7	-8.4	-7.8	-5.9	-1.2	-4.9	-7.2	-4.2	-2.5	-0.4	-1.6	-1.1	-3.4	6.0	-1.9
DD	6	45.4	51.8	14.0	3.7	-2.4	0.7	-0.6	-1.7	-4.8	-9.7	-9.8	-12.8	-12.8	-12.6	-16.8	-17.8	-20.4	-10.9	-3.0	-0.8	-1.2	-1.2	-1.8	-2.0	-1.1
	7	-2.4	-1.8	-2.8	-0.8	-0.6	-0.6	1.1	0.2	-1.1	-3.6	-6.6	-8.4	-7.0	-7.1	-5.9	-6.2	-7.2	-7.0	0.1	13.3	32.4	107.8	99.0	34.8	9.2
	8	29.2	7.8	12.8	-4.2	0.0	-3.4	-2.4	0.0	-2.4	-6.2	-13.0	-16.8	-25.0	-10.0	-7.1	-4.6	-3.0	-4.9	1.4	2.5	0.0	-1.2	2.0	2.3	-1.9
	9	-1.2	7.1	-6.0	-2.4	-2.5	-5.2	-19.8	-4.6	-7.3	-3.6	-8.3	-9.4	-16.9	-15.6	-7.2	9.6	0.6	-3.7	15.1	27.6	14.2	8.8	5.4	13.4	-0.5
	10	-2.5	0.7	-1.1	0.0	1.2	-0.2	-1.8	-1.3	-1.0	-1.2	-4.8	-6.0	-7.3	-5.9	-4.4	-3.6	-1.2	-2.8	-1.8	-1.8	-1.0	2.0	-2.0	-3.7	-2.1
DD	11	-1.4	-1.1	-2.4	-2.2	-1.2	-0.7	-1.2	-2.5	-2.9	-4.0	-6.7	-9.6	-11.9	-9.5	3.2	-15.0	-32.4	-13.2	-1.0	13.0	11.4	7.6	16.8	1.6	-2.7
	12	-4.6	-1.2	-1.3	-1.2	0.0	1.3	2.4	2.4	0.4	-2.4	-3.7	-6.6	-8.2	-5.3	-3.7	-4.8	-11.6	-2.5	-1.2	9.0	13.6	5.4	9.5	11.4	-0.1
	13	7.4	8.3	9.7	2.6	1.8	0.0	-2.4	-3.2	-4.9	-8.5	-7.3	-13.3	-10.8	-7.4	-2.8	10.6	5.6	-7.3	-0.1	-1.4	-0.6	1.2	-2.5	1.2	-1.0
	14	-1.3	-3.6	-3.2	-3.6	-2.6	-2.4	-1.8	-2.9	-3.7	-3.5	-5.9	-8.2	-12.8	-8.3	-11.8	-7.2	-7.3	-9.1	-8.3	-8.0	-4.0	-2.9	10.8	1.9	-4.6
	15	7.3	1.2	0.4	-2.2	-3.6	-3.0	-1.2	-2.3	-2.5	-4.2	-8.4	-7.1	-7.4	-10.0	-8.4	-6.0	-4.8	-4.2	-3.5	-3.4	-1.9	-2.5	-2.4	-2.4	-3.4
DD	16	-3.4	-1.9	-2.4	-2.2	-3.0	-2.4	-1.6	-1.9	-2.6	-6.0	-6.0	-7.3	-9.5	-7.1	-5.2	-4.2	-4.8	-4.2	4.8	-3.5	-2.5	-2.3	-3.0	-3.5	-3.6
	17	-3.6	-3.0	-2.6	-2.6	-2.4	-1.3	-0.1	0.1	-1.2	-3.6	-7.2	-7.2	-7.2	-4.9	-4.9	-5.2	-4.9	-4.8	-4.6	-3.7	-2.0	-0.2	-2.4	-3.7	-3.5
	18	-4.6	-4.7	-3.6	-2.5	-2.2	-1.1	1.0	0.6	-1.2	-4.2	-6.4	-7.2	-7.2	-6.0	-5.4	-4.9	-5.9	-4.0	-3.1	-0.6	-3.6	-3.8	-4.3	-4.1	-3.7
	19	-3.7	-3.6	-3.5	-3.5	-2.8	-1.4	0.0	0.0	-2.2	-3.7	-6.1	-8.4	-7.2	-6.1	-5.8	-5.8	-5.8	-4.8	-4.8	-4.8	-4.7	-3.8	-3.5	-2.3	-4.1
	20	-3.5	-3.2	-2.4	-2.4	-2.4	-2.4	-1.1	-1.2	-2.9	-6.0	-7.8	-10.2	-12.0	-9.2	-8.3	-6.1	-6.4	-6.8	4.8	1.3	1.6	-3.5	-5.2	-1.1	-4.0
DD	21	-1.3	0.0	1.0	-1.3	-2.5	-2.0	-1.1	-0.6	-1.3	-3.8	-6.1	-7.2	-6.4	-6.6	-4.7	-6.1	-6.0	-5.8	3.2	6.0	3.1	2.5	1.2	1.8	-1.8
	22	-1.2	-2.5	-2.4	-2.4	-2.3	-1.4	-0.6	-1.9	-3.5	-7.6	-9.6	-12.7	-12.0	-10.4	-7.3	-9.1	-22.9	-24.1	-5.2	-0.6	6.6	5.9	0.1	-3.0	-5.4
	23	-2.5	-3.1	-2.5	-2.6	-2.6	-2.5	-2.2	-1.2	-1.1	-2.9	-5.6	-9.0	-10.7	-10.2	-10.8	-11.0	-7.2	-8.5	-6.1	-7.3	-0.8	4.2	3.7	-1.7	-4.3
	24	-1.1	-3.4	-4.6	-3.5	-2.8	-3.0	-2.3	-3.4	-6.0	-5.9	-7.3	-11.8	-19.1	-25.1	-7.0	-6.4	-4.7	-2.5	9.4	11.4	27.5	11.2	3.8	5.5	-2.1
	25	1.1	1.1	-1.2	-1.0	-2.6	-2.3	-2.4	-1.3	-1.7	-4.2	-6.0	-5.8	-6.0	-5.2	-4.9	-4.8	4.2	2.6	-1.3	3.5	19.2	12.0	1.1	-2.6	-0.4
DD	26	-2.4	-2.4	-2.4	-2.4	-2.4	-1.4	-0.7	-1.1	-1.8	-3.5	-4.0	-4.8	-4.8	-4.2	-4.2	-4.7	-4.7	-3.4	-2.5	-3.0	-3.6	-3.6	-1.8	2.3	-2.8
	27	-1.0	-0.1	-1.3	-2.3	-3.6	-3.5	-2.8	-2.4	-2.5	-4.6	-5.4	-5.9	-7.2	-6.2	-5.4	-4.9	-5.6	-5.4	-4.7	-3.7	-3.6	3.5	-1.6	-3.4	-3.5
	28	-3.5	-4.2	-3.6	-3.7	-4.8	-5.9	-3.6	-3.6	-3.7	-7.2	-16.7	-14.5	-10.7	-6.1	-7.2	-9.4	-10.1	-10.8	-6.6	4.2	4.2	10.4	49.2	50.5	-0.7
	29	23.2	25.8	25.4	5.3	2.0	-2.4	-1.3	-0.1	-0.6	-4.7	-4.7	-5.9	-7.4	-2.5	-1.8	2.8	12.6	1.0	3.0	37.9	26.4	29.2	21.4	31.1	-9.0
	30	28.9	4.9	14.4	-1.4	-4.8	-2.2	-2.2	-1.3	-4.9	-3.7	-5.8	-6.1	-3.7	-2.3	-1.3	11.0	1.1	-1.2	-1.1	-0.8	-0.2	0.0	-0.1	-0.6	0.7
	31	-0.6	-1.1	-1.2	-1.9	-0.4	-1.2	-1.0	0.0	0.0	-1.1	-2.0	-3.0	-3.4	-1.8	-2.3	-2.3	-2.3	6.1	2.5	0.5	-0.6	-1.3	-2.3	-1.6	-1.0
Среднее по всем дням		6.1	4.9	2.5	-1.1	-2.0	-2.1	-2.0	-1.7	-3.0	-4.9	-7.2	-8.6	-9.8	-7.6	-5.6	-4.3	-5.8	-5.2	-1.1	2.4	5.5	8.8	9.9	6.5	-1.0
		-3.1	-2.8	-2.7	-2.7	-2.7	-1.7	-0.5	-0.6	-1.8	-3.9	-5.8	-6.7	-6.7	-5.5	-5.1	-5.1	-5.4	-4.5	-3.9	-3.2	-3.5	-1.6	-2.7	-2.2	-3.5
		18.5	10.7	16.2	-0.3	-1.3	-3.6	-6.1	-2.8	-3.8	-5.7	-9.6	-9.3	-14.4	-7.3	-5.4	0.5	1.1	-3.0	2.5	12.3	8.4	15.8	22.4	22.9	2.4

ЛОПАРСКАЯ

ОКТАБРЬ 1971 г.

Горизонтальная составляющая $H = 11800$ + табличное значение в гаммахДолгота $33^{\circ}18'$ Широта $68^{\circ}37'$

Д н и	Время миро- вое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.
DD	1	-42	-84	-323	-67	-43	-12	29	-1	31	10	40	62	57	56	62	104	55	64	43	27	-3	-102	-470	-305	-34
	2	-176	-37	-1	23	24	19	-3	-7	23	19	97	70	72	54	31	63	64	73	13	24	2	-190	-337	-23	-4
	3	-125	-399	-174	-3	23	38	25	5	8	11	39	46	97	70	99	37	49	16	23	26	21	8	-1	2	-2
	4	-51	15	23	24	8	14	8	12	8	3	15	16	31	79	55	23	23	27	23	-1	-269	-394	-279	-39	-26
	5	-9	-247	-110	8	16	16	15	21	2	29	-1	2	23	69	84	83	52	24	23	30	9	8	23	-126	2
DD	6	-281	-305	-10	31	38	31	24	15	8	16	6	24	27	35	65	114	116	76	21	19	24	27	21	25	7
	7	23	25	26	24	24	23	21	14	-1	-2	5	11	14	23	26	31	36	34	60	4	-179	-606	-556	-248	-49
	8	-156	-33	-66	-202	-26	24	27	20	22	23	45	146	136	95	20	21	20	30	54	22	22	23	-15	24	12
	9	18	-20	-58	-25	-31	-76	-66	2	6	-1	32	90	134	129	57	92	56	29	-25	-74	-127	-58	-33	-145	-4
	10	-19	8	24	23	14	22	16	14	18	13	22	15	16	20	27	31	34	29	30	29	5	-9	-2	-3	16
DD	11	-7	28	31	32	33	29	25	19	8	4	10	13	32	96	82	128	213	77	-10	-127	-65	-80	-181	-44	14
	12	24	23	23	24	26	30	27	15	8	5	6	16	27	19	32	35	77	115	31	-1	-26	-52	-86	-106	12
	13	-111	-50	4	39	42	38	32	26	8	0	6	29	17	31	49	76	72	113	35	27	-84	-25	11	-1	16
	14	-10	22	23	31	32	24	24	16	13	19	21	32	56	108	80	27	32	40	44	49	38	23	-44	-45	27
	15	-51	31	37	31	22	23	20	14	4	4	16	8	22	40	54	39	24	23	27	26	27	23	-12	6	19
DD	16	23	26	31	31	31	31	24	14	8	6	3	13	27	24	23	27	32	30	40	31	32	31	31	31	25
	17	31	30	30	31	31	30	23	8	1	4	8	14	22	30	24	31	34	27	38	32	32	18	2	16	23
	18	31	32	32	33	35	34	24	19	13	6	6	10	18	29	31	31	32	33	32	38	38	38	37	32	28
	19	32	31	31	33	37	38	35	26	15	5	6	14	22	25	30	32	32	35	38	33	35	32	35	31	28
	20	30	31	35	37	38	36	32	24	14	6	5	19	24	24	29	30	37	39	57	31	32	32	13	-43	26
DD	21	-4	20	35	40	39	38	31	22	16	14	15	16	23	27	28	31	42	49	-25	22	24	-11	-50	-2	18
	22	16	32	39	40	39	34	15	-1	15	16	16	18	9	15	24	36	113	131	80	54	-10	8	31	31	33
	23	29	27	27	30	30	30	24	22	15	8	8	15	22	28	35	39	31	39	50	41	47	23	6	40	28
	24	27	30	23	31	32	30	21	30	30	21	19	32	77	253	55	29	32	30	22	-45	-76	-42	-26	-29	25
	25	-68	-87	22	24	22	26	23	16	19	15	13	16	29	15	23	30	40	46	31	-3	-46	-18	15	26	10
DD	26	26	26	26	29	30	27	23	21	14	12	14	18	19	22	27	30	30	31	32	32	31	31	5	-10	23
	27	23	27	30	32	32	31	30	28	24	22	22	22	24	24	29	29	32	36	35	32	32	23	23	37	28
	28	34	37	38	37	36	39	39	37	21	16	39	23	16	21	31	29	35	56	65	-53	27	-53	-188	-437	-2
	29	-108	-158	-161	-69	-11	39	10	24	37	39	57	38	55	47	55	97	63	37	-10	-248	-192	-257	-55	-133	-33
	30	-202	-83	-18	-51	-66	14	49	30	23	15	30	45	39	31	51	56	32	25	24	20	16	23	24	26	6
DD	31	24	8	-1	20	29	29	27	19	15	14	18	23	25	24	30	30	31	49	32	32	32	31	30	24	25
	Среднее по всем по Q по D дням	-33 29 -93	-32 29 -66	-11 30 -122	10 32 -68	19 33 -18	24 31 -1	21 27 -1	17 20 9	14 12 24	12 10 18	21 11 54	30 16 81	39 21 91	50 26 76	43 28 47	48 31 75	51 32 52	47 32 47	30 35 17	4 33 -50	-18 34 -63	-48 28 -70	-65 20 -182	-45 21 -116	10 26 -11

ЛОПАРСКАЯ

ОКТАБРЬ 1971 г.

Вертикальная составляющая $Z = 51300$ + табличное значение в гаммахДолгота $33^{\circ}18'$ Широта $68^{\circ}37'$

Дни	Время миро- вое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.
В	1	-88	-38	-82	-105	-89	-50	3	26	52	60	66	70	61	66	74	93	64	66	39	26	-5	19	29	-222	6
	2	-24	-8	-7	19	16	32	45	46	41	54	94	84	71	84	45	52	80	8	-28	28	13	-27	-127	-82	21
	3	-80	-122	-251	-128	-38	14	39	29	37	40	58	61	81	75	75	56	46	-54	7	35	33	-7	-26	-13	-1
	4	-67	22	14	29	8	23	22	34	45	55	60	40	50	80	99	60	36	34	28	-7	-53	40	71	-60	28
	5	-23	-43	-128	-29	-10	15	19	46	41	50	34	33	41	48	71	93	86	55	29	17	3	-12	23	-54	17
В	6	-12	-53	-91	-38	-12	12	23	29	28	30	29	27	26	37	63	102	49	50	14	12	29	26	30	33	18
	7	26	27	25	27	26	25	24	25	35	24	26	35	27	31	27	30	41	40	45	-29	-99	254	-68	101	30
	8	-2	18	-38	-106	-35	-7	19	44	49	55	60	61	76	69	37	33	29	25	18	-2	13	23	-31	-1	17
	9	29	-30	-96	-111	-49	19	20	13	16	40	63	74	88	71	71	35	25	50	-9	-54	-57	-48	-29	-42	4
	10	-2	9	19	23	24	35	35	49	34	42	45	30	34	34	40	32	42	42	23	18	-8	-28	0	-7	24
	11	-23	2	23	23	28	26	19	28	29	31	29	48	53	90	76	102	46	54	55	98	59	-19	-56	-35	32
	12	14	34	33	40	35	47	36	39	39	40	37	39	48	64	41	35	53	36	48	19	-4	50	-13	-24	32
	13	-59	-44	-29	8	24	33	36	40	41	57	56	61	61	70	71	40	15	43	22	29	-18	-8	13	8	24
	14	13	29	40	34	23	29	29	28	33	28	24	40	61	112	107	56	50	50	45	47	35	21	-33	-18	37
	15	-69	-7	8	16	19	32	29	33	29	27	26	38	39	45	79	70	45	40	14	24	23	14	-47	-14	21
В	16	13	15	18	18	19	24	22	30	26	24	23	29	35	45	29	29	29	40	24	19	19	24	28	24	25
	17	23	21	23	22	28	24	19	28	24	22	26	35	35	40	39	29	24	29	14	19	-2	-38	-37	-8	18
	18	1	10	28	23	19	23	22	29	22	26	27	34	45	23	19	24	29	35	22	14	13	19	26	24	23
	19	23	18	19	19	19	29	24	24	26	21	29	33	25	24	21	23	27	23	20	24	21	19	5	4	22
	20	15	19	23	14	19	25	14	20	24	23	20	24	40	40	37	35	24	38	26	15	-3	-8	-1	-63	18
	21	-55	-3	-1	10	19	19	17	22	26	28	26	19	13	35	42	39	66	68	-8	13	-4	-29	-106	-58	8
	22	-3	5	14	14	14	20	29	29	39	55	55	52	50	55	53	63	51	61	56	55	35	9	5	34	35
	23	31	40	23	24	29	26	22	25	23	26	24	19	18	25	19	21	22	33	45	41	25	14	14	29	26
	24	37	26	4	13	24	19	18	34	33	30	34	50	65	74	87	61	47	36	0	-28	-21	-46	-27	-14	23
	25	-33	-12	20	14	25	36	25	33	28	37	32	50	55	44	37	27	42	14	21	9	-49	-30	-1	28	20
В	26	28	28	24	25	29	26	26	30	33	30	25	24	35	26	23	23	35	31	24	23	24	15	-17	-58	21
	27	-5	16	23	19	18	25	25	18	23	35	19	25	29	19	23	30	19	24	24	22	19	-7	-2	8	20
	28	21	18	24	23	15	23	14	16	19	26	45	66	61	45	29	27	31	23	61	-42	-11	55	103	35	30
	29	-153	-228	-89	-49	-12	28	26	51	29	40	54	35	65	44	61	70	-8	3	-15	-214	-78	-89	-88	-76	-25
	30	-14	-69	-60	-41	-69	4	50	44	40	35	50	56	45	48	62	46	31	40	18	8	22	29	29	29	17
В	31	19	9	-3	8	14	29	19	24	29	29	36	30	38	21	27	28	33	9	-7	18	18	18	23	13	20
	Среднее по всем по по дням	-14	-9	-15	-4	6	21	25	31	32	36	50	43	48	51	51	47	39	34	22	8	-1	8	-10	-15	20
	В	14	19	23	22	27	26	21	26	26	27	25	30	34	26	25	26	27	28	21	20	15	2	-5	-6	21
	В	-48	-57	-62	-70	-34	4	23	36	38	50	67	65	72	67	58	56	38	30	1	-43	-23	-24	-49	-85	4

ЛОПАРСКАЯ
НОЯБРЬ 1971 г.

Магнитное склонение $D = I2^0 + \text{табличное значение в минутах}$
Долгота 33^018 Широта 68^037

Д н и	Время миро- вое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.
Q	1	0.6	1.8	0.9	0.1	-2.4	-3.1	-5.3	-5.8	-4.9	-4.2	-5.1	-6.0	-3.7	-2.9	-2.9	-2.9	-3.5	-1.5	-0.7	-2.4	-1.3	-2.9	-1.9	-2.7	-2.6
	2	-1.8	-1.7	-1.7	-1.7	-1.3	-1.1	-0.7	-0.6	-1.7	-2.9	-4.1	-4.7	-4.1	-3.6	-2.7	-2.6	-3.0	-3.5	-0.5	1.9	6.6	1.8	-0.5	-1.5	-1.3
	3	-2.9	-2.1	-1.7	-1.7	-1.3	-1.9	-2.5	-2.9	-2.5	-4.1	-5.1	-5.3	-6.5	-5.3	-4.9	-4.3	-2.9	-4.3	-3.3	-2.9	-2.9	-3.3	-3.6	-2.2	-3.4
	4	-1.3	-2.9	-1.7	-1.7	-1.7	-3.5	-2.7	-3.4	-5.1	-4.1	-5.2	-5.3	-5.7	-5.3	-5.3	-4.9	-8.3	-7.3	-5.3	-7.5	-1.1	1.9	-0.1	-2.9	-3.8
	5	-2.1	-1.8	-0.5	-0.1	-1.1	-1.3	-2.1	-0.5	-3.9	-6.1	-6.3	-9.3	-9.5	-12.9	-14.9	-12.5	-11.9	-10.1	-4.7	-2.9	-1.7	0.9	3.3	3.1	-4.5
	6	0.3	-1.3	-2.9	-2.9	-2.7	-2.5	-2.9	-2.7	-2.9	-3.7	-4.1	-4.1	-4.5	-4.9	-4.7	-4.7	-4.7	-4.8	-4.7	-3.9	-2.9	-1.1	-2.1	-4.1	-3.3
	7	-2.3	-2.7	-3.3	-4.8	-7.2	-8.9	-8.1	-6.3	-7.2	-7.7	-8.7	-8.4	-7.0	-11.9	-6.5	-5.3	-3.9	-3.5	-2.5	-2.2	-1.5	-1.1	-1.1	-0.5	-5.1
	8	-1.7	0.1	-4.1	-1.3	-2.3	-2.3	-2.3	-2.5	-3.3	-4.1	-5.3	-6.6	-7.2	-7.7	-6.5	-8.9	-4.7	-10.8	-4.0	17.0	7.9	11.1	1.9	7.9	-1.6
	9	3.3	-0.3	-1.3	-2.7	-1.7	-0.9	0.1	-0.9	-1.7	-2.9	-4.1	-4.5	-4.1	-3.5	-2.7	-2.9	1.5	-2.9	-0.5	-0.1	-0.5	-1.5	-2.1	-2.1	-1.6
	10	-2.5	-3.5	-2.9	-2.9	-3.3	-3.5	-2.5	-2.1	-2.3	-3.5	-4.5	-5.7	-6.1	-6.0	-6.3	-7.2	-8.5	-8.1	-7.7	-5.3	-4.1	-2.5	-1.2	6.1	-4.0
Q	11	24.3	20.3	21.9	4.1	2.0	1.8	1.9	0.6	-2.8	-2.4	-4.5	-6.5	-7.7	-7.6	-5.3	-4.2	-1.6	6.1	-2.9	19.9	48.7	12.2	3.6	15.7	5.7
	12	7.3	-1.6	-1.1	-3.5	-3.0	-2.3	1.1	-1.6	-1.8	-3.4	-4.1	-5.4	-4.6	-5.3	-5.4	-0.4	-3.4	-4.2	-3.7	3.7	18.6	22.2	2.0	-1.6	0.0
	13	-1.0	-1.3	-2.8	-2.9	-2.8	-2.8	-2.7	-2.5	-2.9	-4.2	-5.4	-5.9	-5.4	-5.3	-4.7	-5.3	-0.3	-4.7	-3.9	-3.5	-1.7	-1.6	-1.6	-1.8	-3.2
	14	-1.8	-0.6	-1.7	-1.8	-1.8	-1.6	-0.7	-0.6	-1.7	-3.1	-4.2	-5.4	-5.3	-4.9	-4.3	-4.0	-4.0	-3.5	-2.3	-3.1	-2.4	-2.4	-4.1	-4.8	-2.9
	15	-2.8	-1.3	-1.9	-1.2	-1.8	-1.8	-1.7	-1.5	-1.6	-2.9	-5.1	-4.9	-4.9	-5.1	-5.1	-4.2	-4.2	-4.0	-4.0	0.3	2.6	5.5	3.0	0.9	-2.0
Q	16	-1.0	-3.1	-0.4	-0.5	-1.1	-1.3	-0.9	-1.6	-2.5	-3.0	-4.2	-4.2	-5.1	-4.6	-4.1	-4.2	-4.0	-3.0	-2.9	-2.7	-1.7	-1.9	-1.8	-2.5	-2.6
	17	-2.3	-2.7	-2.7	-2.7	-2.4	-1.8	-2.3	-2.9	-2.9	-2.9	-2.3	-2.9	-4.1	-3.5	-2.9	-2.3	-2.9	-2.3	-3.5	-0.5	0.1	-2.3	-2.3	-2.9	-2.5
	18	-2.3	-1.7	-1.7	-3.5	-1.7	-2.3	-3.5	-2.9	-2.9	-4.1	-5.9	-5.3	-8.3	-3.5	-6.5	-4.1	-5.3	-3.1	-2.7	-1.7	-1.8	-2.9	-2.9	-2.3	-3.4
	19	-3.0	-2.9	-3.0	-3.7	-3.5	-4.0	-2.9	-2.8	-4.1	-4.9	-6.4	-6.6	-6.6	-7.7	-14.5	-18.5	-11.2	-5.2	-2.9	-1.8	-0.5	0.8	5.5	0.7	-4.6
	20	-1.8	-1.0	-1.5	-1.6	-2.9	-2.9	-2.9	-3.0	-4.1	-4.6	-4.2	-5.8	-5.3	-5.4	-4.1	-4.1	-5.9	-7.7	-1.8	-3.4	-0.5	5.0	9.9	-1.1	-2.5
DDD	21	0.2	-2.9	-1.7	-1.7	-1.7	-2.3	-4.0	-5.2	-3.0	-4.1	-5.3	-10.2	-12.4	-14.3	-16.1	-5.3	-4.2	-1.8	2.1	19.3	10.3	5.1	5.4	10.4	-1.8
	22	21.0	6.6	-1.6	1.3	-3.5	-10.2	-5.3	-0.6	-1.7	-12.4	-6.3	-10.2	-12.6	-19.0	-17.9	-16.2	-16.7	-6.4	-4.1	-9.7	12.8	61.3	73.8	73.7	4.0
	23	77.4	41.1	27.1	-3.9	-5.9	-9.0	-1.5	-12.7	-10.2	-5.2	-4.0	-7.6	-11.2	-5.3	-18.7	11.7	-4.2	-6.9	22.4	48.1	18.7	58.1	43.5	72.1	12.1
	24	38.5	59.3	12.6	-8.1	-7.6	-4.0	-11.4	-2.3	-5.2	-5.8	0.7	-5.4	-2.7	6.8	3.9	11.6	-5.4	-8.9	7.7	5.0	19.7	51.0	61.7	49.8	10.9
	25	60.0	23.3	1.9	-5.4	3.9	-13.5	-4.2	-5.2	-7.8	-4.1	-4.1	-7.6	-1.9	-0.4	-16.7	13.8	11.6	-13.1	8.3	1.5	6.7	18.6	9.1	14.1	3.7
D	26	11.6	4.2	5.6	3.2	-1.8	-3.9	-2.8	-4.1	-3.0	-3.9	-4.1	0.2	-1.7	-3.0	-5.1	-1.9	7.2	-0.1	1.8	4.2	1.9	-0.1	0.7	0.7	0.2
	27	-0.6	-0.6	-1.8	-1.3	-1.8	-2.9	-1.7	-2.3	-1.7	-1.1	-4.1	-5.3	-5.9	-6.5	-4.7	4.3	6.1	-2.3	-2.3	-1.7	-0.5	3.1	0.7	1.3	-1.4
	28	-2.3	1.3	0.7	-1.1	0.7	-0.5	-1.6	0.8	-0.6	-4.1	-6.4	-2.8	-3.7	-4.2	-0.7	-2.1	-3.0	-3.0	-1.8	7.8	8.7	4.3	2.0	2.0	-0.4
	29	-1.5	-2.2	-2.9	-3.5	-1.5	-1.7	-1.3	-1.5	-2.2	-2.8	-2.9	-3.5	-3.9	-1.6	-3.4	-1.7	-2.8	-1.3	2.9	13.9	15.0	3.3	3.0	-2.9	-0.3
	30	-5.3	-4.6	-3.0	-2.9	-4.0	-4.1	-3.0	-2.4	-1.9	-3.0	-3.1	-4.0	-4.1	-2.3	-2.9	-3.4	-2.7	-1.7	-1.7	-0.7	1.4	4.7	12.1	3.6	-1.6
Среднее по всем по D по дням		6.8	3.8	0.8	-2.0	-2.2	-3.3	-2.7	-2.7	-3.3	-4.2	-4.6	-5.6	-5.9	-5.5	-6.5	-3.0	-3.6	-4.5	-1.0	2.9	5.1	8.2	7.2	7.5	-0.8
		41.8	26.9	9.1	-2.6	-3.0	-8.1	-5.0	-5.0	-5.6	-6.3	-3.6	-6.1	-6.0	-4.2	-10.9	3.8	1.5	7.4	7.2	9.8	12.0	38.0	38.0	42.1	1.4
		-2.2	-2.0	-1.7	-1.4	-1.7	-1.7	-1.6	-1.9	-2.4	-3.2	-4.2	-4.5	-5.2	-4.7	-4.3	-3.8	-3.6	-3.4	-3.2	-1.8	-0.9	-0.9	-1.8	-2.3	-0.5

ЛОПАРСКАЯ
НОЯБРЬ 1971 г.

Горизонтальная составляющая $H = 11800$ + табличное значение в гаммах
Долгота $33^{\circ}18'$ Широта $68^{\circ}37'$

Д н и	Время миро- вое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн суточн.
Q	1	-47	-10	18	31	31	29	24	21	15	13	19	21	21	24	23	25	25	31	24	23	24	21	22	24	19
	2	27	24	25	27	27	26	24	19	16	13	15	21	24	30	29	27	28	23	19	-17	16	22	21	23	21
	3	22	25	30	29	32	30	24	21	16	16	16	19	23	23	22	24	29	31	32	32	31	31	31	27	26
	4	-1	-5	24	31	31	29	30	23	21	15	16	22	25	29	30	31	39	39	40	56	24	-3	13	24	23
	5	23	24	29	29	28	30	30	30	24	22	16	13	22	23	31	43	47	64	86	35	27	23	22	27	31
	6	24	24	24	30	26	24	24	21	14	14	16	19	23	24	25	30	30	31	31	32	32	30	29	24	25
	7	22	24	29	25	31	34	30	22	14	16	16	23	21	37	45	30	24	24	24	24	29	27	26	26	
	8	25	22	24	27	25	29	22	21	16	20	24	29	31	30	30	33	51	88	22	-172	-30	-24	-21	-118	8
	9	1	27	30	30	29	29	27	22	15	13	15	16	15	16	22	24	30	29	24	25	23	26	24	24	22
	10	23	18	22	31	32	32	29	23	19	19	18	21	23	24	30	31	37	39	43	39	35	32	29	-1	27
Q	11	-124	-107	-98	3	35	39	27	16	14	6	16	16	24	23	22	21	56	65	56	-288	-320	-37	-3	0	-22
	12	-19	24	23	31	31	30	17	31	14	14	14	16	20	24	24	28	30	27	30	30	-77	-74	24	25	14
	13	29	24	24	30	27	24	25	18	16	15	16	15	21	23	26	24	27	26	27	24	22	24	22	21	23
	14	22	23	24	24	26	24	24	22	16	16	16	22	23	24	25	30	29	30	28	25	24	24	15	5	22
	15	15	24	29	31	30	25	27	24	22	22	23	23	24	29	30	30	31	31	31	31	38	22	16	22	26
Q	16	23	23	30	31	30	30	29	23	18	14	16	21	22	23	26	29	30	31	31	30	30	30	29	29	26
	17	30	30	31	31	31	31	31	22	15	13	15	20	24	27	29	31	32	31	32	29	27	29	24	21	26
	18	22	24	8	26	30	32	24	20	10	11	16	23	23	23	27	31	29	30	30	30	30	27	26	21	24
	19	22	27	31	36	37	37	31	28	24	26	29	30	31	31	45	105	79	42	31	30	27	29	14	18	35
	20	24	23	24	24	32	31	30	24	16	19	24	24	24	29	29	30	37	78	49	45	40	23	6	33	30
D	21	23	24	24	24	25	28	24	18	21	24	21	39	71	155	139	33	29	40	87	-43	-4	14	-12	-83	30
	22	-158	15	32	30	30	19	10	15	46	112	79	40	31	70	183	282	196	40	33	21	-323	-619	-402	-434	-27
	23	-454	-165	-99	22	45	24	24	21	0	38	36	37	78	72	127	162	96	65	-145	-146	-140	-535	-411	-365	-67
	24	-199	-241	-58	22	9	22	24	25	56	38	16	38	60	65	163	72	111	90	49	-27	-181	-430	-493	-249	-42
	25	-234	-168	-15	1	-133	-48	8	162	103	38	111	113	128	166	222	-1	81	-378	-119	31	-11	-214	-238	-92	-20
D	26	-10	22	0	3	11	31	39	43	31	31	40	61	31	30	27	35	43	52	-15	-42	25	27	23	23	23
	27	22	15	15	20	20	25	27	24	16	13	16	20	24	29	30	52	64	47	32	33	32	8	6	2	25
	28	-17	22	27	31	32	30	27	21	27	26	30	20	24	38	23	27	31	32	30	61	5	15	5	-1	23
	29	0	13	24	32	29	24	29	23	21	22	19	23	24	23	22	27	30	56	21	-38	-43	-14	-20	13	15
	30	13	13	27	35	32	32	32	24	22	22	23	26	29	22	29	30	30	31	30	30	32	8	5	14	25
Среднее по всем																										
по Q		-28	-5	12	26	23	26	26	27	22	22	25	28	32	40	52	46	48	31	21	-2	-19	-49	-39	-30	14
по D		25	25	29	29	30	28	27	25	15	16	17	21	23	25	26	29	30	31	31	29	30	27	23	21	26
по дням		-211	-107	-28	16	-8	10	21	53	47	51	56	56	66	81	144	110	106	-26	-39	-33	-126	-354	-305	-223	-27

НОЯБРЬ 1971 г.

Вертикальная составляющая $Z = 513000' + \text{табличное значение в гаммах}$

Широта $68^{\circ} 37'$

Долгота 33°18'

Д н и	Время миро- вое	I	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.
Q	1	-18	-49	-16	-8	5	15	10	20	18	23	17	31	23	26	29	28	32	35	23	28	10	7	9	18	13
	2	18	23	18	18	23	19	17	26	22	23	21	29	25	18	22	31	22	29	18	-42	-20	-21	-11	1	14
	3	15	13	18	18	20	14	13	18	18	24	18	29	36	33	36	39	39	33	9	13	11	20	13	19	22
	4	3	-18	5	15	17	13	15	22	4	14	15	20	29	22	18	23	39	49	38	44	19	0	7	18	18
	5	13	18	26	12	22	25	18	18	30	23	20	34	44	55	75	96	98	99	66	36	18	20	14	8	37
	6	13	20	25	12	20	29	20	23	25	23	29	26	22	26	23	23	31	22	23	20	22	13	18	12	22
	7	5	0	-8	10	4	13	8	18	12	17	31	36	44	70	91	47	31	20	17	23	20	18	23	18	24
	8	18	23	11	4	14	24	21	23	22	23	13	22	23	18	18	29	67	31	3	-32	-58	-82	-21	-116	4
	9	-39	17	17	23	28	33	30	34	26	23	26	36	38	28	30	28	29	17	23	18	13	23	23	20	23
	10	23	12	13	18	18	19	18	19	23	29	23	28	20	24	27	20	26	23	19	18	17	17	22	-8	20
Q	11	-38	-80	-139	-60	28	44	34	28	18	26	34	34	39	39	41	38	43	30	35	70	-96	-70	-29	-81	0
	12	-42	36	34	33	26	30	43	40	31	22	23	34	39	31	34	49	43	31	15	5	-61	-79	-12	5	17
	13	11	20	29	23	15	29	16	25	24	23	23	38	29	30	32	46	54	37	25	25	30	23	26	18	27
	14	12	22	29	23	24	24	18	19	24	23	30	24	30	29	24	23	31	20	28	17	27	19	16	-16	22
	15	0	7	23	17	20	32	26	28	20	19	23	23	29	28	25	28	28	28	23	34	35	18	3	5	-16
Q	16	23	17	17	20	35	28	16	20	18	29	29	27	29	31	23	29	23	27	22	22	22	17	21	18	23
	17	23	22	15	19	31	29	25	23	25	27	25	23	21	21	23	27	21	19	44	4	23	13	21	23	23
	18	19	23	13	-15	0	19	23	21	23	21	25	34	25	25	39	42	36	29	36	24	21	28	19	9	22
	19	28	33	18	27	23	28	30	28	32	23	24	19	24	23	55	83	75	39	28	20	29	-1	-33	0	27
	20	23	22	17	17	17	18	22	18	23	23	23	34	32	30	29	29	33	14	6	44	49	28	-7	13	23
D	21	19	33	24	13	23	15	23	26	19	38	50	56	90	106	127	85	62	44	2	-39	3	-3	-13	-39	32
	22	-143	-12	17	8	29	13	16	39	63	79	86	72	81	116	108	68	75	78	57	12	221	75	13	159	55
	23	-17	-209	-151	3	39	20	43	71	56	57	46	64	95	100	65	8	39	45	-8	-79	5	114	-147	-55	8
	24	-143	-58	29	9	-10	31	52	53	64	68	49	44	94	80	32	-24	13	58	-44	-49	23	-24	65	-186	9
	25	-201	-168	-109	-39	-86	-28	34	67	88	91	93	86	124	83	23	-128	-138	-112	-8	33	38	34	-152	-115	-20
D	26	-39	5	-8	8	13	34	40	49	48	75	60	85	64	39	38	61	49	39	-19	-5	13	34	30	29	31
	27	29	28	26	23	23	30	28	26	26	28	26	22	41	43	55	46	61	34	43	10	-32	-68	-28	-26	20
	28	-8	-11	7	-1	22	28	27	34	33	46	39	49	49	55	44	39	41	28	44	-27	-59	-21	-14	-13	17
	29	-6	15	33	34	29	34	29	34	30	34	34	36	34	43	48	43	49	55	13	-81	-49	-42	-34	-3	17
	30	22	5	13	17	28	14	22	29	28	30	33	35	36	40	32	33	29	23	33	30	29	2	-49	-21	20
Среднее по всем по Q по D по дням		-13	-6	1	10	17	22	25	30	30	33	33	38	44	44	42	33	36	31	21	7	10	3	-7	-10	20
		15	12	20	19	26	25	20	22	21	24	25	25	29	28	26	29	28	44	28	14	20	14	15	10	22
		-109	-91	-44	-4	-6	14	37	56	64	74	67	70	92	84	53	-3	-2	22	-4	-18	60	47	-38	-34	-16

ПОПАРСКАЯ

ДЕКАБРЬ 1971 г.

Магнитное склонение D I_2^0 + табличное значение в минутахДолгота $33^0 18$ Широта $68^0 37$

Д н и	Время миро- вое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.
	1	2.9	1.1	-0.3	0.1	-0.3	-1.5	-4.3	-3.5	-3.3	-3.5	-2.5	-6.5	-9.5	-8.4	-8.4	-7.3	-7.8	-3.7	0.3	1.7	6.0	5.1	-0.1	-1.3	-2.3
	2	-0.1	-1.8	-2.3	-2.4	-2.9	-2.1	-1.3	-1.3	-1.4	-2.7	-4.9	-4.8	-3.8	-8.4	-8.6	-0.2	-10.7	-4.7	-1.5	-0.6	1.3	8.9	7.0	4.7	-1.9
	3	-0.7	-0.6	-1.2	1.5	-1.3	-2.4	-2.6	0.5	-1.7	-2.6	-4.8	-5.7	-7.2	-2.6	-3.7	-2.9	-4.8	21.7	4.7	18.1	8.5	1.0	-2.3	-0.1	0.3
	4	1.7	-2.3	-1.3	-0.1	-0.1	-2.5	-3.6	-3.7	-2.5	-4.1	-6.1	-3.8	-5.0	-3.7	-2.4	-3.6	-4.8	4.7	2.1	-0.1	-1.2	-7.2	0.0	4.5	-1.9
	5	-0.1	-0.1	-0.6	-1.4	-2.3	-2.5	-2.4	-2.6	-4.3	-3.7	-4.3	-3.8	-5.9	-4.3	-0.1	-2.6	-2.7	-2.3	-1.5	-1.3	-1.4	1.1	-0.1	-0.2	-2.1
Q	6	-1.9	-2.3	-1.3	-1.2	-0.5	-1.1	-0.3	-1.3	-1.9	-2.5	-3.1	-3.7	-3.7	-3.6	-3.2	-3.5	-2.9	-2.6	-2.3	0.0	-0.1	2.9	-0.2	0.1	-1.7
Q	7	-1.4	-0.1	0.1	-1.3	-1.3	-1.4	-2.3	-2.4	-2.6	-2.9	-2.5	-3.2	-3.7	-3.6	-3.8	-2.4	-3.5	-3.5	-1.3	-1.2	-1.2	-0.1	-0.7	-0.2	-2.9
Q	8	-0.1	-0.3	0.5	-1.5	-2.4	-2.5	-2.6	-3.6	-3.7	-4.9	-4.7	-7.3	-8.0	-6.7	-6.1	-6.1	-4.7	-3.6	-3.0	-2.5	-2.6	-3.1	-3.7	-3.7	-3.6
Q	9	-4.1	-2.5	-2.1	-2.3	-4.9	-4.2	-4.7	-5.0	-4.9	-5.9	-4.9	-5.5	-6.0	-6.0	-5.5	-4.8	-4.3	-4.8	-6.0	-3.1	-1.9	-2.7	-1.1	-2.6	-4.2
Q	10	0.0	-0.2	-1.4	-2.6	-2.5	-2.5	-2.4	-2.4	-2.9	-3.6	-3.1	-3.1	-4.3	-4.9	-0.2	-2.5	-3.8	-3.8	-2.5	-2.5	-1.4	-1.3	-0.7	-1.2	-2.3
	11	-1.2	-0.2	-0.1	-1.3	-1.3	-2.4	-2.3	-2.5	-3.7	-4.8	-3.8	-6.0	-7.4	-6.2	-8.4	-10.1	-12.1	-18.2	-15.3	-12.8	-1.4	14.8	3.9	-3.6	-4.1
	12	-1.4	-1.5	-1.9	-1.3	-1.2	-1.5	-2.5	-2.6	-3.8	-3.7	-3.5	-3.7	-4.1	-3.6	-3.9	-5.3	0.1	-13.8	-9.7	-3.1	-1.3	2.9	11.5	28.9	-1.2
Q	13	13.9	4.1	2.4	0.9	-1.9	-1.3	-1.4	-2.9	-0.8	-3.1	-6.6	-8.9	-9.3	-7.4	-8.0	-7.3	-13.2	-5.0	4.3	16.7	22.8	22.3	30.5	2.3	1.8
Q	14	-0.7	-1.3	-1.5	-2.4	-1.9	-1.8	-0.9	-1.3	-1.2	-1.5	-2.6	-3.6	-3.9	-4.7	-4.7	-3.3	-2.5	-1.3	-0.2	-0.5	-1.3	-1.3	-1.1	-0.3	-1.9
	15	-0.1	2.4	3.4	0.7	-0.3	-0.8	-1.1	-2.7	-4.2	-4.1	-3.7	-3.5	-3.7	-5.5	-5.3	-6.3	-5.0	-5.4	-3.8	-1.1	-2.5	1.9	-2.0	-2.4	-2.3
DD	16	-1.3	-2.5	-2.3	-1.9	-2.4	-2.4	-1.3	-2.0	-3.1	-3.1	-2.6	-3.7	-3.2	-6.3	-2.5	-5.6	-3.1	-8.1	-11.5	17.3	20.2	32.7	9.1	16.9	1.1
DD	17	13.9	26.9	1.7	-4.4	-4.2	-4.3	-9.5	-0.8	2.5	-3.3	-7.3	-12.9	-3.7	-2.1	-7.4	-20.1	-10.1	14.5	-9.1	20.9	23.2	41.1	25.9	-6.7	2.7
DD	18	-34.9	5.8	17.8	5.1	6.3	3.6	2.5	1.3	1.7	1.7	2.4	2.1	4.6	1.8	6.1	4.6	1.7	2.8	4.1	3.0	1.0	3.1	2.3	1.1	2.2
DD	19	1.0	0.0	-1.7	-0.2	0.9	1.3	2.5	3.5	4.7	2.4	-2.1	-5.9	-3.6	-1.4	1.2	-1.3	-1.9	-1.3	-3.2	-3.0	-2.9	-2.9	-1.3	-3.1	-0.8
DD	20	-3.1	-4.3	-3.2	-4.3	-3.1	-3.1	1.1	1.1	1.1	1.1	0.3	-0.5	-0.7	-2.0	-2.0	-2.0	-1.9	-2.0	-1.9	-0.7	1.3	8.3	4.3	0.1	-0.7
	21	-3.1	-1.9	-4.3	-4.3	-4.4	-3.2	-0.2	-0.2	-0.9	-1.3	-0.9	-2.1	-2.6	-3.6	-3.6	-0.8	-3.7	-3.7	-1.7	4.7	34.9	31.1	27.4	10.3	2.6
D	22	-0.9	0.0	-3.7	-5.1	-4.4	-3.5	-2.1	-2.5	-1.4	1.0	1.1	-4.8	-5.6	-0.3	4.8	-4.9	-2.3	6.7	19.7	9.5	2.8	12.3	17.9	0.3	1.4
	23	6.3	4.3	1.2	-2.3	-2.4	-3.6	-6.5	-2.9	-2.6	-2.5	-2.5	-4.3	-0.2	3.4	-1.3	-6.7	-2.6	13.6	8.3	12.0	7.0	1.0	-0.2	-0.2	0.7
	24	1.2	1.1	2.4	-0.9	-2.6	-4.8	-2.5	-1.2	-3.7	-2.6	-1.2	-2.9	-3.3	3.4	-4.3	-4.9	-3.7	-2.5	-0.3	-0.7	4.1	5.9	1.1	-0.2	-1.0
	25	-1.7	-0.3	-1.3	-0.1	-2.6	-4.9	-3.5	-2.6	-1.9	-2.5	-1.9	-2.6	-3.7	-3.7	-2.3	-0.1	-3.7	-2.0	-0.2	-1.3	-1.2	-1.2	2.3	10.6	-1.4
	26	8.2	6.7	3.4	0.7	-3.6	-1.5	-1.1	-2.3	1.0	-1.3	-2.5	-2.5	-2.5	-2.5	-2.6	-2.5	-1.5	-0.2	6.9	10.9	33.1	26.9	16.6	10.8	4.1
DD	27	2.9	-1.4	-1.3	-3.5	-3.8	-6.0	-2.6	-4.3	-2.5	-3.8	-4.9	-5.7	-4.8	-1.9	-0.7	-1.1	-1.2	-1.2	-0.2	-0.1	0.0	-0.7	-1.4	-1.4	-2.2
DD	28	-1.2	-1.3	-1.3	-1.3	-1.3	-1.4	-1.4	-1.5	-1.2	-2.7	-3.8	-4.9	-4.9	-4.1	-4.9	-5.0	-3.8	-0.7	5.8	-1.5	0.5	7.8	4.6	-0.1	-1.2
DD	29	-0.7	-1.2	0.1	-0.5	-2.5	-6.6	-3.7	-3.5	-5.9	-8.4	-12.7	-17.1	-20.3	-18.3	-4.1	0.9	-1.4	-2.0	-1.7	-1.4	-1.9	-2.1	1.1	15.1	-4.1
DD	30	46.8	21.5	13.2	10.7	3.5	-1.2	-2.5	-4.5	-2.5	-3.6	-8.3	-7.2	-1.9	-1.5	-1.3	-6.1	3.5	-2.3	0.9	3.7	4.5	8.4	5.9	7.1	3.6
DD	31	5.7	-2.1	-2.9	-2.0	-3.9	-3.3	-2.1	-3.5	-2.5	-1.3	-2.1	-3.7	-3.7	-3.1	-4.3	-2.5	-1.3	-1.3	5.9	2.7	2.1	2.9	-3.7	2.9	-1.1
Среднее по всем по D по I_2^0 ДНЗМ		1.5	1.5	0.3	-0.9	-1.8	-2.4	-2.2	-2.0	-1.9	-2.7	-3.6	-4.9	-4.7	-3.9	-3.3	4.1	-3.9	-1.2	-0.4	2.7	4.9	7.1	4.9	3.1	-0.7
		-0.8	-0.8	-0.7	-1.9	-1.7	-1.9	-1.7	-2.2	-2.4	-3.1	-3.2	-4.2	-4.7	-4.7	-3.6	-5.6	-5.5	-3.0	-1.9	-1.3	-1.3	-0.6	-1.3	-1.1	-2.3
		4.8	10.6	5.8	1.2	-0.3	-0.7	-3.1	-2.0	-1.1	-2.5	-5.0	-8.0	-5.4	-5.1	-0.4	-5.1	-1.7	4.0	4.8	7.1	5.9	12.6	10.6	3.4	1.3

ЛОПАРСКАЯ
ДЕКАБРЬ 1971 г.

Горизонтальная составляющая $H = 11800$ + табличное значение
Долгота $33^{\circ}18'$ Широта $68^{\circ}37'$

Д н и	Время миро- вое	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.
	1	13	18	26	32	35	31	24	29	23	22	21	28	30	40	38	52	81	93	64	38	-1	22	30	30	34
	2	37	31	30	32	33	32	30	24	22	22	24	25	31	35	35	81	73	40	30	37	40	39	6	3	33
	3	36	30	24	26	31	35	32	23	16	16	9	31	40	33	32	28	38	68	27	-215	8	24	24	31	19
	4	21	8	24	27	24	17	27	21	21	21	21	19	28	24	34	32	33	49	39	40	31	-28	-17	21	22
	5	30	24	29	31	32	30	24	22	23	23	29	30	38	39	45	36	29	29	30	29	26	16	20	21	29
Q	6	22	24	24	29	29	24	29	28	24	23	24	24	27	29	30	30	30	30	30	31	32	32	30	24	27
Q	7	23	23	27	29	30	30	32	30	24	22	23	23	24	29	30	27	31	30	32	32	30	31	30	26	28
Q	8	22	14	30	31	31	30	30	27	29	29	30	31	32	28	30	29	31	31	31	32	32	32	32	32	29
Q	9	32	30	24	24	32	39	38	38	32	32	25	24	30	31	31	32	32	38	76	46	39	-1	0	-19	29
Q	10	11	31	30	29	29	28	30	30	29	26	26	30	30	32	29	30	32	31	30	37	32	31	33	31	29
	11	30	30	30	30	30	30	25	24	23	24	24	30	32	32	35	47	87	139	146	138	67	-52	-12	-13	42
Q	12	31	32	32	24	23	23	24	25	27	26	24	27	30	30	30	30	85	104	112	56	67	21	-86	-129	28
Q	13	-50	14	8	16	24	29	29	24	14	16	30	30	32	32	67	112	172	50	39	14	-110	-181	-169	29	11
Q	14	26	29	26	27	30	31	27	24	23	22	24	24	21	18	22	22	26	29	30	32	30	29	29	24	26
Q	15	13	-1	19	27	28	30	30	27	31	19	22	23	29	30	29	32	32	39	40	37	30	25	24	24	27
DD	16	23	24	24	24	28	30	25	24	21	22	23	24	26	26	29	33	33	45	41	65	94	152	86	-15	38
DD	17	-123	-207	-102	34	106	49	22	49	31	73	93	129	56	23	44	112	-26	-501	-386	-513	-269	-190	-54	40	-63
DD	18	95	31	-4	28	-4	22	14	10	6	5	11	26	9	4	5	13	-2	-2	-3	-6	-2	8	8	5	12
DD	19	5	6	6	11	8	12	5	-3	1	10	22	47	50	39	19	14	-3	16	38	2	-1	2	4	-10	13
DD	20	8	8	12	13	14	14	15	13	10	6	8	8	5	4	2	0	-3	-2	0	0	3	-17	4	6	5
D	21	8	11	14	15	15	16	22	21	19	17	15	16	21	23	16	22	40	29	24	-18	8	-66	-258	-36	0
D	22	22	15	-17	-9	24	24	17	15	13	21	20	29	70	72	109	43	103	40	-162	-28	-28	-92	-173	-94	2
D	23	-33	-35	-35	11	19	40	43	32	25	32	37	29	24	32	31	37	62	34	-18	-162	-1	15	15	29	11
D	24	8	19	-4	-2	31	30	20	25	24	22	19	16	32	37	29	21	24	23	24	31	17	1	15	4	19
D	25	8	19	21	29	21	24	26	24	21	20	19	19	21	21	16	27	31	37	32	24	22	18	-9	-83	17
DD	26	-66	-25	-45	6	21	29	32	26	29	25	23	16	23	24	23	23	27	45	16	-71	-156	-150	-104	-104	-14
DD	27	-1	-10	4	21	34	32	27	27	21	22	24	24	24	21	23	23	24	25	24	27	28	29	27	25	22
DD	28	24	23	23	23	25	27	29	29	24	23	23	25	29	30	31	29	29	45	47	31	23	13	13	19	27
DD	29	35	26	21	20	26	19	16	28	44	73	86	95	168	207	101	37	33	19	17	16	24	27	9	-115	43
DD	30	-268	-9	-9	1	43	21	37	37	37	57	50	24	31	32	35	50	42	33	23	-2	-20	2	4	-17	10
DD	31	-22	31	37	29	37	31	25	21	20	21	22	24	25	29	31	24	29	30	54	31	29	21	-28	8	23
Среднее по всем по Q по D по дням		1	8	11	22	29	28	26	25	23	26	27	31	34	35	34	36	40	23	27	-6	4	-6	-15	-6	19
		21	24	27	29	30	29	30	28	26	24	25	26	27	27	28	28	30	31	31	33	31	31	31	27	28
		-59	-29	-22	15	39	27	21	28	26	46	50	61	67	68	59	52	30	-82	-102	-107	-59	-49	-41	-47	0

ЛОПАРСКАЯ

ДЕКАБРЬ 1971 г.

Вертикальная составляющая $Z = 513000 + \text{табличное значение в гаммах}$
 Широта $68^{\circ}37'$ Долгота $33^{\circ}18'$

Д н и	Время миро-1 вое	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Средн. суточн.	
Q	1	-20	-2	14	26	24	20	13	19	19	26	30	44	52	58	62	80	112	94	79	44	18	-17	23	30	35
	2	24	24	30	21	30	22	18	20	29	24	20	21	31	24	47	97	91	61	39	39	4	-13	3	31	
	3	20	29	31	18	27	34	26	26	55	45	45	50	45	60	49	26	46	-4	-3	-16	-8	14	30	28	
	4	29	13	24	30	23	23	19	21	25	27	36	36	39	32	37	31	35	39	25	13	23	-63	-43	20	
	5	29	34	29	23	24	24	23	26	29	30	39	49	47	42	44	31	29	20	31	29	27	-3	10	13	28
	6	15	26	23	23	21	29	27	27	27	29	28	30	27	24	24	26	24	23	27	22	15	21	16	19	24
	7	27	32	21	24	27	23	24	27	20	22	27	30	24	24	27	41	36	37	36	35	36	21	24	20	28
	8	11	6	19	20	21	24	19	19	18	18	24	32	28	31	37	40	32	30	20	19	23	16	23	23	23
	9	20	23	20	15	15	20	17	14	14	11	21	34	30	27	23	24	27	24	49	45	34	-52	-23	-46	16
	10	-22	14	19	29	19	24	18	21	24	26	26	28	26	27	45	32	27	30	46	50	31	26	30	30	26
Q	11	30	24	16	23	18	30	22	20	21	22	27	27	25	28	27	53	98	96	44	30	41	24	-34	13	30
	12	37	42	32	23	29	29	20	27	20	27	29	26	31	27	27	43	50	65	-7	53	42	32	-158	-118	18
	13	-68	-11	-21	-12	20	32	23	30	36	48	56	65	88	71	71	98	125	78	41	-30	-29	-29	-23	8	28
	14	30	34	35	34	25	26	34	36	26	27	30	46	40	52	36	37	30	31	23	19	26	30	26	24	32
	15	14	-4	12	19	32	33	24	30	26	19	24	37	32	34	35	44	47	55	45	39	35	30	29	31	30
DD	16	29	24	23	18	30	29	20	20	19	8	8	8	16	6	8	7	26	23	18	26	20	-39	-130	-50	7
	17	81	-111	-184	-32	7	45	20	56	73	87	65	113	87	38	31	26	5	-193	152	293	255	134	-48	40	43
	18	60	40	63	48	56	61	45	39	36	37	35	70	92	55	64	40	39	29	26	24	20	17	40	42	45
	19	45	46	40	39	39	35	44	46	53	56	76	100	84	68	58	47	12	28	12	28	7	7	2	-3	40
D	20	17	33	31	17	21	31	39	36	36	37	37	47	31	36	29	33	36	17	31	31	14	-39	-25	7	24
	21	20	20	20	22	13	26	36	33	32	31	31	37	43	36	57	64	73	62	45	36	-88	-22	-39	-21	24
	22	32	30	-7	-4	16	31	32	37	49	60	65	71	100	93	71	70	67	-45	-116	-34	-18	-17	-18	-29	22
	23	-3	-10	-15	8	18	49	60	55	57	57	56	57	72	73	55	55	86	46	55	-48	-12	23	29	40	36
DD	24	24	24	18	4	8	31	31	39	39	46	49	52	53	76	57	44	42	41	42	30	-38	-34	4	11	29
	25	16	27	31	34	32	28	30	39	34	36	36	37	42	39	66	65	75	70	66	49	32	27	1	-70	35
	26	114	-60	-77	-23	3	40	39	43	44	52	44	39	52	42	45	44	56	81	50	20	-47	-7	-49	-87	10
	27	-43	-40	-18	6	22	31	34	38	45	39	43	45	45	43	40	44	39	35	36	29	29	30	39	34	27
	28	33	41	30	32	32	41	31	32	30	32	37	29	39	48	39	45	50	64	34	32	31	10	15	38	35
	29	49	29	14	9	16	20	15	43	69	81	82	109	133	138	120	55	55	43	44	42	39	34	39	-39	52
DD	30	-25	-8	34	24	52	21	46	45	50	60	55	70	68	55	34	52	70	57	49	-16	-49	-23	10	-23	30
	31	13	39	45	44	60	47	37	39	31	35	39	39	40	31	44	46	55	47	20	13	34	21	3	-8	34
Среднее по всем по дням		13	13	11	18	25	31	29	32	35	37	39	48	50	46	45	46	51	35	34	31	19	7	-7	-1	29
Q		12	22	23	23	23	25	24	26	23	24	27	33	29	32	34	35	30	30	30	29	26	23	24	23	26
D		39	4	2	6	29	36	32	44	55	65	60	87	96	76	64	49	47	-22	31	62	49	29	5	10	40