

ЛОПАРСКАЯ
ЯНВАРЬ 1972 Г.

Магнитное склонение $D = I2^{\circ} +$ 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.	
	1	6.4	1.6	1.3	-0.8	-1.6	-1.4	-1.2	-1.1	-1.6	-2.8	-2.4	-3.8	-4.8	-4.8	-2.4	-6.0	-2.6	-4.9	-1.3	10.9	-1.2	2.3	21.5	3.4	0.1	
	2	1.9	0.1	-1.3	-1.2	-1.3	-2.5	-1.6	-3.4	-2.5	-2.3	-4.7	-4.2	-3.8	-3.5	-4.4	-6.1	-4.2	-8.2	1.4	9.7	1.0	0.0	-1.2	-2.5	-1.9	
	3	-1.3	-2.2	-2.9	-2.6	-2.2	-1.3	-1.3	-1.0	-2.5	-1.1	-5.0	-5.0	-4.0	-3.0	-3.6	-2.6	-3.4	-2.8	5.9	-2.2	-0.6	-0.4	-1.2	3.2	-1.8	
	4	1.8	3.6	3.6	1.2	-2.6	-4.4	-8.4	-4.0	-1.4	-3.1	-4.4	-6.0	-3.8	-3.7	-3.2	-3.6	-4.6	-3.4	-2.2	-1.2	-0.1	1.8	-3.6	-2.9	-2.3	
	5	-1.8	1.0	-0.5	-2.3	-3.0	-2.8	-3.6	-3.6	-3.6	-4.4	-7.2	-6.2	-4.3	-4.8	-2.5	-3.6	-6.0	-3.2	0.2	-1.8	-2.3	-1.4	-1.8	-1.2	-3.0	
Q	6	-1.3	-2.3	-2.3	-2.3	-2.5	-2.4	-2.5	-3.5	-3.6	-4.3	-4.8	-5.6	-4.8	-4.9	-5.2	-4.7	-3.5	-2.5	-2.4	-2.2	-1.8	0.0	-0.6	-1.2	-3.0	
	7	1.4	0.2	-0.7	-2.5	-2.5	-2.6	-2.4	-3.0	-3.5	-3.6	-4.7	-5.8	-4.9	-4.1	-3.0	-3.5	-3.6	-2.6	-3.6	8.4	2.3	-2.3	-1.1	-1.9	-2.1	
	8	0.0	-1.3	-0.6	-2.5	-2.3	-3.0	-3.5	-3.0	-3.7	-4.8	-4.7	-5.4	-4.8	-3.7	-3.7	-3.8	-3.7	-7.0	-3.3	-4.7	-2.5	-4.1	-1.8	-1.0	-3.5	
	9	1.3	3.6	4.9	-0.1	-2.3	-3.6	-2.4	-3.6	-3.6	-6.0	-7.2	-7.4	-7.2	-4.7	-4.0	-4.0	-3.5	-4.0	-5.4	-1.9	-5.3	-2.6	0.0	3.8	-2.8	
	10	4.3	6.0	4.7	1.2	-1.2	-2.3	-2.4	-2.4	-3.5	-4.2	-4.8	-4.8	-4.2	-3.7	-3.7	-4.2	-7.6	-4.1	-17.9	-1.3	5.6	-1.8	16.2	38.8	0.1	
Q	11	53.0	50.9	16.0	3.0	-3.5	-4.8	-2.4	-2.4	-7.1	-9.2	-7.1	-7.3	-9.7	-7.7	-19.2	-4.0	-4.7	-2.4	-4.3	-4.7	-3.6	-1.2	0.1	12.1	1.2	
	12	13.8	4.7	1.4	0.1	-0.2	-2.3	-2.4	-2.5	-4.8	-4.8	-4.7	-4.7	-4.6	-5.5	-1.2	-4.8	-4.8	-3.7	-3.5	-1.3	-2.8	0.0	-0.8	0.1	-1.6	
	13	0.5	1.8	-1.2	-0.6	-1.3	-2.3	-2.4	-2.5	-2.5	-3.4	-4.7	-5.9	-6.0	-3.7	-4.9	-4.8	-4.7	-4.7	-3.5	-1.2	0.8	2.4	1.2	-0.2	-2.2	
	14	-0.4	-0.6	-2.2	-2.4	-1.8	-1.4	-1.4	-2.3	-2.5	-4.8	-4.8	-6.0	-5.9	-4.8	-4.2	-4.7	-4.1	-4.2	-2.6	-2.3	-2.3	-2.4	-0.2	-1.2	-2.3	-2.9
	15	-2.3	-0.1	-0.1	-1.2	-1.4	-1.8	-4.7	-5.9	-8.2	-7.1	-5.9	-7.9	-15.6	-19.8	-20.2	-20.8	-14.8	-31.3	-5.9	-1.2	2.0	5.3	4.8	2.3	-6.7	
D	16	9.5	14.3	2.3	0.8	-1.3	-2.9	-2.5	-0.1	-0.6	-7.0	-3.6	-8.4	-10.8	-3.7	-17.3	-12.8	-40.7	-9.1	-12.8	9.5	12.1	4.7	0.8	5.3	-3.1	
	17	9.5	12.7	9.5	-0.4	-4.7	-6.6	-10.4	-8.3	-6.6	-6.6	-8.3	-2.9	-6.0	-6.6	-6.0	-3.5	24.0	-6.6	17.8	0.2	-3.5	-3.5	-0.4	0.8	-0.7	
	18	-6.0	-3.5	0.2	-7.2	-8.3	-8.3	-7.1	-3.6	-2.0	-3.6	-4.1	-8.5	-6.0	-8.6	-6.0	-9.8	2.6	-8.6	0.1	-3.0	-3.0	1.3	2.3	-0.1	-4.2	
	19	1.4	2.2	-3.6	-2.2	-3.6	-3.4	-2.4	-3.7	-1.3	-2.5	-3.2	-6.0	-4.0	-4.9	-2.4	2.6	3.8	4.4	-1.8	-1.2	-1.2	-1.8	-1.8	-1.2	-1.6	
	20	-1.8	-1.8	-1.8	0.1	0.1	-1.8	-1.8	-1.2	-0.6	-2.4	-4.7	-5.9	-9.0	-9.0	-8.5	4.0	-10.8	-4.9	-4.8	-4.3	-1.0	1.2	6.0	3.6	-2.6	
D	21	-0.1	0.0	-3.6	-3.1	-2.8	-1.4	-0.1	-2.4	-3.8	-2.4	-5.4	-10.1	-16.6	-7.3	-8.6	-26.4	-10.9	-7.1	-1.8	-0.4	3.7	3.1	4.7	2.8	-3.5	
	22	2.5	0.2	2.3	2.4	5.2	9.7	5.4	0.8	-5.4	-2.4	-1.3	-4.8	-7.0	-6.2	-11.6	-6.6	-5.2	-25.8	1.3	-0.5	4.2	7.3	15.2	73.2	2.2	
	23	74.4	28.2	17.9	25.1	7.2	3.4	0.0	-1.2	-1.2	-2.5	-9.8	-7.0	-4.8	-9.7	-6.8	-7.1	-6.2	-4.7	-0.6	5.3	10.8	33.6	29.9	10.8	7.7	
	24	6.1	2.8	4.8	-0.6	1.3	0.4	-0.6	0.0	-2.4	0.0	-7.0	-3.0	-3.5	-3.2	-2.5	-5.3	-3.6	-2.3	-6.0	18.6	20.5	6.0	14.4	0.0	1.5	
	25	0.8	-1.0	1.2	2.4	2.3	-6.1	-3.5	-1.2	-4.2	-1.2	-5.4	-8.2	-5.8	-10.8	-7.2	-7.2	1.8	14.9	-3.6	-3.6	16.8	20.4	10.3	31.6	1.4	
D	26	10.7	5.0	2.0	-1.1	1.0	0.6	-1.4	-0.1	-1.8	-4.7	-3.5	1.2	-11.0	-17.5	-15.8	-2.9	-0.1	1.6	-2.3	3.4	15.6	16.2	14.5	11.0	0.9	
	27	6.7	3.6	0.1	-0.1	-1.4	-1.3	-2.4	-1.4	-1.2	-3.8	-4.6	-4.4	-4.8	-7.4	1.2	-5.2	-4.6	-10.4	-3.5	24.1	5.6	6.0	11.6	2.5	0.2	
	28	-1.8	-1.1	0.2	-1.9	-1.8	-0.6	-0.2	0.0	-4.7	-1.3	-2.0	-2.3	-9.6	-11.5	-17.8	-15.6	-30.1	-43.2	-15.0	17.6	70.9	24.0	-2.4	-1.1	-2.1	
	29	-0.1	1.4	-2.2	1.4	2.5	-2.4	-1.1	-0.0	-2.2	-1.4	-2.4	-3.7	-5.2	-7.3	1.1	7.2	-10.8	-2.3	2.4	-5.9	1.8	5.6	15.5	22.0	0.6	
	30	18.1	12.2	1.4	0.0	-0.6	-0.1	0.2	-1.2	-1.2	-4.2	-3.6	-4.7	-3.7	-3.7	-4.9	-4.4	3.4	-0.1	-2.5	-2.3	0.0	3.7	8.3	2.0	0.5	
31	1.1	0.0	1.1	0.0	-1.2	-0.1	1.2	1.2	0.0	-0.1	-2.5	-4.9	-6.4	-4.6	-3.7	-7.3	9.1	-7.9	1.7	3.2	3.5	0.1	-0.1	-1.2	-0.7		
Среднее по всем по Q по D по дням		6.7	4.6	1.7	0.1	-1.2	-2.0	-2.2	-2.2	-3.0	-3.6	-4.8	-5.5	-6.5	-6.6	-6.0	-5.9	-5.0	-6.5	-2.7	2.1	4.7	4.1	5.1	6.9	-1.2	
		0.0	0.4	-1.4	-2.1	-2.1	-2.3	-2.4	-2.9	-3.2	-4.2	-4.7	-5.7	-5.3	-4.2	-4.2	-4.3	-3.9	-4.2	-4.1	-0.4	-0.7	-0.8	-0.7	-1.3	-2.7	
		19.1	9.3	4.9	5.1	2.1	2.0	0.3	-0.1	-2.7	-3.6	-4.0	-4.3	-8.7	-9.7	-13.9	-9.0	-16.1	-16.0	-5.9	7.1	22.7	17.2	11.6	19.8	1.1	

ЛОПАРСКАЯ
ЯНВАРЬ 1972 г.

Горизонтальная составляющая $H = 11800^{\gamma} +$ 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	17	23	30	30	29	30	29	27	24	22	22	24	30	29	28	30	30	32	33	78	87	-30	-151	24	22	
	2	20	24	24	30	31	31	30	25	25	22	22	24	30	31	36	35	64	54	108	12	37	32	29	29	33	
	3	24	24	29	29	30	30	16	16	22	37	30	22	22	23	22	22	24	39	62	35	38	32	22	11	27	
	4	13	-29	-55	-10	24	32	13	14	35	31	31	32	32	32	32	32	31	31	32	30	31	15	-27	-14	16	
	5	23	14	18	31	35	32	32	30	24	24	31	30	29	33	24	35	32	35	35	33	31	30	30	-27	29	
Q	6	34	24	23	22	21	28	30	29	30	30	30	30	30	30	29	27	31	31	31	31	32	33	29	24	29	
	7	22	24	29	28	29	30	30	29	25	29	30	32	32	31	32	31	31	31	32	59	29	32	26	23	30	
	8	22	30	30	31	32	32	30	26	24	23	26	30	33	37	32	31	30	34	79	55	43	30	30	24	33	
	9	16	15	22	29	30	24	30	24	22	22	26	30	30	30	32	32	27	32	35	62	37	45	24	5	28	
	10	5	-12	13	24	25	24	22	22	22	23	26	30	31	30	29	30	32	73	47	-47	-60	-45	-80	-206	2	
Q	11	-179	-124	-78	-63	22	30	22	14	4	32	49	62	62	59	105	32	24	21	45	49	31	22	16	-13	10	
	12	-9	21	23	22	16	14	22	22	21	21	22	24	30	24	27	30	38	37	34	32	32	22	12	33	24	
	13	24	19	21	26	30	29	24	24	23	24	25	29	28	27	31	31	31	30	30	25	38	29	36	30	28	
	14	24	23	14	25	31	30	25	24	22	22	23	29	30	31	31	30	30	30	30	29	28	24	23	14	26	
	15	14	27	22	24	30	30	35	39	27	24	28	37	45	123	90	140	71	77	27	-117	8	-24	-14	8	32	
D	16	-35	-132	-18	23	35	29	22	21	15	31	39	66	68	64	112	267	165	132	-29	-118	-106	-81	-172	-140	11	
	17	-84	-163	-78	1	51	55	49	37	27	22	22	27	28	32	37	73	111	70	112	8	32	31	-30	-54	17	
	18	-20	13	8	31	51	54	30	16	22	27	12	26	70	97	95	159	37	90	54	29	5	6	2	-15	37	
	19	-12	-65	-13	10	30	24	22	18	17	22	21	27	30	42	34	105	40	70	39	24	13	5	-24	-42	18	
	20	2	24	24	29	33	51	24	23	14	13	22	23	32	45	64	122	97	81	79	64	27	6	-20	-27	35	
DD	21	14	15	32	32	30	27	24	24	23	24	39	96	311	350	87	45	242	172	23	15	-4	-14	-10	-4	66	
	22	-11	8	-1	-35	-37	-6	-1	16	8	5	14	31	57	37	56	228	218	0	24	56	-3	-139	-164	-389	-1	
	23	-288	-162	-250	-187	22	24	40	-10	4	38	71	62	37	84	137	56	71	64	16	6	-253	-255	-140	-25	-35	
	24	6	21	13	29	27	23	22	24	22	20	37	13	24	29	24	35	23	24	39	-52	-102	-41	-10	40	12	
	25	17	21	20	10	-9	30	0	-9	47	23	15	24	29	34	16	29	93	56	35	13	-233	-291	-72	-247	-14	
D	26	-189	27	22	16	16	29	29	41	29	32	34	91	73	68	105	134	67	33	16	3	-180	-78	-85	-117	9	
D	27	-74	-26	-1	21	30	31	32	23	13	38	31	24	38	47	46	39	54	98	-10	-61	-2	-25	-50	24	14	
	28	29	23	21	27	30	27	32	32	27	22	32	14	45	43	106	163	177	113	-35	-369	-386	-170	67	51	5	
	29	37	14	16	5	16	56	56	43	30	23	18	23	31	38	67	131	64	78	54	-21	22	-9	-101	-166	22	
	30	-60	-77	-28	29	39	31	32	24	22	23	16	18	22	29	29	29	49	41	36	30	30	-99	-20	15	11	
	31	16	22	27	24	23	38	32	30	23	18	19	23	27	24	30	38	73	62	66	39	23	22	25	22	31	
Среднее																											
по всем	-19	-11	-1	11	26	31	27	23	22	25	28	34	46	53	52	72	68	57	38	1	-22	-28	-26	-34		20	
по D	25	24	23	26	29	30	28	26	25	26	27	30	31	31	31	30	31	31	31	40	40	34	30	29	23	29	
по D	-99	-47	-45	-31	13	21	24	20	17	26	38	53	56	39	103	170	140	68	-2	-84	-186	-145	-99	-124		-2	

ЛОПАРСКАЯ
ЯНВАРЬ 1972 Г.

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.
	1	31	46	28	36	39	35	31	31	34	34	39	36	36	43	39	44	40	54	49	34	18	30	-30	10	33
	2	32	29	16	28	27	35	27	29	26	33	34	31	36	29	29	49	90	73	8	-60	23	33	33	33	30
	3	28	24	34	31	24	23	31	36	29	39	44	40	38	33	38	38	38	44	44	39	38	35	29	8	33
	4	11	2	-61	-49	7	14	7	1	14	23	29	38	35	30	27	35	43	43	39	36	13	2	-29	-44	11
	5	12	12	20	24	28	34	31	33	29	28	34	44	47	45	44	59	60	46	37	23	23	22	33	29	33
DD	6	32	34	33	23	29	18	29	33	29	24	28	34	32	30	36	39	34	23	23	29	34	24	30	23	29
	7	29	33	29	34	29	36	25	29	28	29	33	34	34	32	33	33	35	29	23	3	-8	18	23	30	27
	8	28	19	23	32	24	33	31	25	29	27	30	34	33	30	33	37	31	44	66	60	58	38	39	35	35
	9	23	-3	-3	24	34	31	23	26	18	34	29	40	39	39	41	39	34	33	44	49	33	36	48	20	30
	10	7	12	12	17	22	28	32	34	29	28	28	33	38	34	29	24	36	39	-11	36	54	-45	-35	13	21
DD	11	-9	-107	-14	-3	6	24	27	38	35	43	59	62	75	72	99	91	65	43	60	44	53	44	23	-76	31
	12	-35	19	33	34	38	26	34	34	29	35	34	44	43	43	60	60	66	78	65	48	42	45	8	9	37
	13	44	33	30	36	39	39	35	35	35	28	29	39	46	39	41	41	41	46	43	39	29	8	35	29	36
	14	39	49	19	13	30	35	34	34	29	33	33	34	42	42	34	35	42	38	44	54	44	33	39	8	35
	15	13	26	24	30	34	29	14	18	22	29	26	34	44	109	117	88	-136	-44	-3	2	44	43	46	46	27
D	16	19	-18	-8	18	38	29	34	40	44	47	87	80	92	85	53	-65	-158	20	-4	-15	-109	9	5	18	14
	17	26	-11	-13	-51	23	64	16	22	30	26	30	47	50	55	56	86	62	60	-30	-107	30	28	12	-47	19
	18	-30	9	5	43	26	45	60	56	52	49	60	75	119	96	40	19	-7	-32	36	60	37	13	18	20	36
	19	18	-9	3	33	42	44	39	43	49	55	55	53	74	70	55	92	74	72	57	36	13	15	-3	-60	38
	20	17	34	38	17	19	36	36	40	47	53	60	65	85	91	98	56	92	107	75	48	23	8	-73	-49	43
DD	21	14	29	36	37	34	28	38	44	48	47	64	115	186	-130	-102	-55	-117	-29	60	69	55	62	56	45	26
	22	31	36	38	17	-6	7	18	28	34	38	58	60	70	64	61	27	-96	-199	-65	41	44	-77	-70	-139	1
	23	-289	-217	-224	-97	-16	2	39	46	46	39	54	60	60	50	116	91	98	91	49	33	9	-22	-47	-12	-2
	24	8	19	29	49	43	37	32	43	48	44	62	60	59	46	46	48	64	34	51	-55	-38	46	2	28	33
	25	44	34	38	12	3	34	48	34	55	40	44	61	75	70	74	60	64	8	59	52	55	-29	-13	-69	36
D	26	-73	7	27	18	20	37	49	55	49	48	60	107	96	106	122	58	81	55	39	34	-81	-40	-33	-27	34
	27	-16	3	23	24	43	46	47	44	51	65	53	63	65	61	88	65	55	42	30	-62	19	-21	-90	18	30
	28	40	54	40	23	23	29	34	36	39	39	62	64	65	73	90	52	-39	-65	-197	64	343	153	43	48	46
	29	54	30	29	21	8	65	56	55	45	46	49	44	44	48	94	75	80	75	22	-72	29	55	-44	-101	34
	30	-81	-16	-25	12	43	42	36	40	39	35	43	43	49	51	55	42	45	47	49	46	46	-18	-8	23	27
	31	39	38	34	36	26	40	46	42	41	40	43	44	54	55	55	62	59	74	52	-4	10	39	33	38	41
Среднее по по по		3	8	9	17	25	33	33	36	36	38	45	52	60	50	55	46	28	31	26	19	32	19	3	-3	29
	DD	34	34	27	28	30	32	31	31	30	28	31	35	37	35	35	37	37	36	40	37	31	24	33	25	32
	D	-54	-28	-25	-4	12	21	35	41	42	42	64	74	76	75	88	33	-23	-20	-36	31	41	4	-20	-22	19

ЛОПАРСКАЯ
ФЕВРАЛЬ 1972 г.

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

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.
	1	6.6	1.2	1.2	-0.8	-1.6	-1.7	-0.6	-0.4	-1.8	-1.2	-6.2	-10.1	-7.8	-10.7	-9.6	-9.6	3.6	-4.3	-4.2	-1.8	-0.7	-0.2	4.0	14.4	-1.8
	2	12.8	4.3	1.6	1.9	0.2	0.8	-1.0	-6.0	-6.7	-5.5	-7.0	-7.4	-5.5	-6.6	-6.7	-9.6	-5.9	-5.5	-4.2	-1.8	1.6	1.6	1.6	9.6	-1.8
	3	8.0	1.2	0.6	-0.7	-0.8	-1.0	-1.2	-1.6	-3.1	-3.6	-4.8	-5.5	-8.5	-8.2	-11.8	-9.2	-4.2	3.8	-2.6	-1.7	-1.8	-1.2	-1.4	-0.4	-2.5
	4	0.5	0.2	3.4	0.7	0.2	-3.1	-4.1	-2.2	-3.0	-4.4	-6.6	-8.8	-8.9	-8.4	-3.0	-4.2	-3.0	-2.4	-1.8	-1.2	2.0	2.0	1.6	-0.7	-2.3
	5	-1.6	-2.0	-1.0	-0.6	-1.2	-1.2	-1.9	-1.8	-1.2	-4.2	-5.2	-6.7	-7.2	-6.0	-5.0	-6.0	-10.0	-14.4	-13.9	-9.4	-7.9	1.2	5.2	1.9	-4.2
	6	0.6	-1.4	-1.3	-2.0	0.0	-0.8	-1.7	-1.8	-2.5	-6.8	-4.4	-4.3	-5.0	-4.4	-5.2	-5.4	-5.4	-6.7	-1.4	7.2	17.8	24.0	31.7	16.8	1.6
Q	7	5.4	1.2	-1.9	-2.8	-1.6	-0.6	0.0	-0.7	-0.4	-4.2	-6.2	-6.2	-5.5	-6.7	-6.7	-6.7	-10.3	-7.9	-7.2	-2.8	-7.2	27.8	13.2	33.8	-0.2
	8	6.5	5.8	9.2	0.0	-0.7	-0.7	-0.7	-1.3	-1.9	-3.2	-6.4	-5.5	-5.2	-7.2	-5.8	-7.9	-4.8	-4.4	-4.6	-4.0	-1.7	-0.8	0.4	-0.4	-1.9
	9	-1.8	-2.6	-1.4	-1.3	-0.8	-1.6	-0.7	-1.2	-3.0	-2.8	-2.8	-4.4	-5.6	-6.0	-4.0	-5.6	-5.5	-3.0	-6.0	-0.4	0.5	-0.7	-2.2	-1.4	-2.7
	10	0.0	1.4	4.1	0.1	-1.6	-3.0	-2.3	-1.6	-0.8	-2.6	-3.4	-5.6	-7.6	-7.2	-4.4	-5.2	-6.4	-6.0	-5.5	-4.4	1.4	22.0	11.2	-3.1	-1.3
	11	-4.1	-0.7	-2.6	-3.0	-2.6	-2.8	-2.0	-2.4	-4.2	-4.4	-5.0	-5.6	-6.2	-6.0	-4.4	-4.3	-4.3	-1.8	-3.2	-2.6	-2.2	0.4	-2.5	-3.0	-3.3
DDQ	12	-3.1	-2.6	-2.2	-4.3	-2.6	-2.8	-2.0	-0.6	-0.7	-1.7	-2.9	-4.3	-4.4	-4.2	-4.2	-4.3	-4.2	-4.0	-3.8	-3.6	-2.9	-3.0	-3.6	-3.6	-3.1
	13	-3.6	-4.2	-4.2	-3.8	-3.6	-2.0	-1.1	-2.0	-2.8	-3.2	-5.3	-10.6	-19.6	-7.2	-8.0	-6.0	-6.8	11.5	14.8	23.2	35.4	20.8	53.4	65.4	5.4
	14	9.4	5.6	-0.2	-3.1	-3.0	-4.4	-4.1	-3.6	-1.2	-2.4	-4.4	-5.0	-5.0	-4.8	-4.2	-3.0	-3.0	-4.4	-3.0	2.8	10.8	9.0	6.0	28.8	0.6
	15	1.4	-2.6	0.2	-0.1	-1.2	-1.9	-5.4	-2.2	-1.0	-4.3	-1.9	-6.8	-7.0	-1.9	-4.4	-5.2	-4.8	-3.6	-2.9	-2.4	-1.2	1.4	5.4	0.0	-2.2
	16	0.5	3.6	3.6	-0.6	-1.2	-1.2	0.0	-0.6	-0.4	-1.9	-4.2	-4.3	-5.5	-5.6	-6.2	-0.4	-3.0	-2.8	-2.8	-3.1	-1.9	-3.1	12.8	3.2	-1.0
D	17	0.0	2.4	0.4	-1.9	-4.3	-1.9	-0.2	-1.4	-1.6	-2.3	-3.1	-8.4	-11.2	-19.0	-28.3	-36.0	-34.8	-33.0	30.0	-1.2	-3.6	34.1	43.8	16.2	-2.7
	18	17.2	21.6	7.8	7.4	5.3	5.5	3.2	-0.4	-1.2	-1.6	-2.4	-3.0	-4.3	-3.2	-3.4	-3.1	-4.3	-4.0	-3.2	-3.4	-5.5	9.6	31.6	53.2	4.9
	19	124.2	19.2	0.0	-0.4	-1.2	-0.8	-2.0	-0.7	-0.6	-1.6	-3.1	-5.0	-6.8	-7.3	-8.4	-10.8	-10.7	-16.8	-17.5	-0.7	-2.2	1.0	1.0	-0.4	2.0
	20	1.2	5.6	6.6	7.6	0.8	-4.4	-2.0	0.0	-1.2	-2.4	-3.0	-5.4	-6.4	-6.0	-4.8	-4.9	-3.8	-3.1	-3.6	-3.4	-3.0	-0.7	3.8	7.2	-1.0
	21	1.8	1.4	-0.6	1.6	1.2	-3.4	-1.6	0.0	2.4	0.4	-3.0	-6.6	-6.6	-5.6	-3.6	-4.8	-5.0	1.2	1.2	-2.2	-1.8	-2.3	-1.9	-1.6	-1.6
DDQ	22	-1.1	-1.2	-1.2	-0.4	-0.4	0.5	3.2	3.0	-0.2	-2.3	-4.8	-9.6	-7.9	-6.7	-6.0	-4.8	-1.6	2.2	3.0	-2.4	-1.7	0.0	2.4	1.2	-1.8
	23	-1.0	-1.4	-1.6	-1.8	-1.2	-0.6	1.2	1.2	0.5	-2.3	-5.5	-7.4	-8.2	-7.2	-7.9	-8.9	-12.6	-10.3	-4.7	-4.0	-0.7	-0.7	-3.8	1.8	-3.6
	24	8.4	10.1	6.2	3.4	-1.2	-2.2	-1.2	-5.5	-3.0	-3.6	-9.1	-24.0	-24.0	-37.9	-37.2	-20.2	0.1	-4.8	-12.0	1.2	10.4	34.0	31.9	37.8	-1.8
	25	17.8	36.2	12.7	15.2	2.0	-0.1	0.8	0.4	0.5	-0.6	-1.2	-8.4	-3.1	-8.2	7.2	-3.6	7.2	2.6	-3.1	-1.3	10.8	12.2	0.2	2.8	3.5
Q	26	1.0	8.4	0.4	1.8	1.2	-0.2	-0.4	-2.0	-3.6	-3.6	-4.2	-4.2	-3.7	-3.2	-3.1	-3.1	-4.8	-5.5	-6.2	3.1	-1.9	-2.4	-1.4	-0.5	-1.6
Q	27	-0.6	0.0	0.6	0.5	0.4	0.5	0.4	-0.4	-1.9	-3.1	-4.0	-7.2	-6.2	-7.6	-5.5	-4.3	-4.6	-5.6	1.8	3.8	0.2	-1.0	25.8	19.8	-0.2
	28	14.2	9.1	8.8	4.6	2.8	-0.8	-1.2	-2.5	-4.8	-6.0	-5.5	-7.0	-6.4	-4.4	-4.0	-4.8	-7.0	-5.5	-4.3	-5.5	-2.4	-2.0	-0.7	2.4	-1.4
	29	-0.6	-0.5	-0.2	0.0	-0.1	-0.2	-0.8	-1.6	-1.8	-3.2	-4.3	-4.8	-5.5	-5.8	-5.8	-5.6	-5.8	-4.8	-4.4	-4.6	-3.5	-3.2	-2.8	-2.0	-2.9
Среднее по всем по D по дням		7.6	4.1	1.7	0.6	-0.5	-1.2	-1.0	-1.4	-1.8	-3.1	-4.5	-6.9	-7.4	-7.7	-7.0	-7.2	-6.2	-4.9	-2.8	-1.2	1.3	6.2	9.2	10.3	-1.0
		-1.4	-1.4	-0.9	-1.1	-0.7	-0.7	0.0	-0.2	-1.5	-2.6	-3.8	-6.1	-5.9	-6.1	-5.1	-4.9	-4.3	-3.0	-3.1	-2.9	-1.5	-1.6	3.9	2.8	-2.2
		6.4	10.0	2.9	1.9	-2.0	-2.1	-1.2	-2.4	-1.6	-2.4	-4.6	-11.3	-12.6	-15.4	-14.1	-13.8	-10.3	-5.6	5.3	4.9	12.8	22.2	27.1	30.2	1.0

ЛОПАРСКАЯ
ФЕВРАЛЬ 1972 г.

Горизонтальная составляющая $H = 11800$ + 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	24	24	25	30	31	31	29	23	23	22	24	25	25	41	33	50	74	34	32	33	31	30	0	-159	22	
	2	-75	24	30	16	31	47	25	24	32	25	23	25	32	51	41	58	48	46	39	41	32	24	20	6	28	
	3	-12	24	25	26	30	30	31	25	23	17	9	24	53	66	58	73	130	32	50	31	25	24	25	24	35	
	4	19	0	-15	-14	31	31	25	14	15	17	31	39	38	44	48	38	25	27	25	25	25	27	23	25	23	
	5	25	25	24	22	20	23	23	20	14	17	14	15	24	23	27	30	39	87	82	79	66	48	33	31	34	
	6	25	25	23	7	16	31	30	23	23	25	17	17	24	25	32	31	33	36	82	16	-70	-125	-105	0	10	
	7	9	24	39	30	28	28	23	23	24	24	20	21	22	25	33	35	50	50	67	41	50	-41	-71	-154	17	
Q	8	30	15	-9	33	47	33	34	31	24	22	23	22	24	32	30	33	31	31	32	33	32	31	26	23	28	
	9	25	27	28	28	30	31	33	30	24	22	17	23	25	29	30	31	33	33	36	41	48	41	38	31	31	
	10	25	-27	14	40	43	47	39	33	25	24	24	31	33	39	36	37	38	40	36	40	42	-42	-8	34	27	
	11	36	38	39	39	41	41	37	32	30	30	17	21	22	32	32	30	33	37	37	33	30	30	32	25	32	
DD	12	25	27	23	25	33	38	34	30	23	17	17	23	25	25	30	31	30	31	33	33	34	33	32	33	29	
	13	32	33	37	39	38	38	39	36	31	25	25	38	99	64	37	38	128	129	-49	-216	-277	-158	-429	-401	-26	
	14	-42	22	25	25	32	46	19	17	16	22	16	27	22	25	31	29	33	35	33	34	-75	-147	-90	-96	2	
	15	-6	-8	23	36	34	13	20	31	32	33	2	16	23	33	36	38	34	30	25	25	25	-12	-49	-100	14	
	16	-16	24	22	17	30	30	32	33	23	17	15	15	23	30	39	39	47	50	40	36	33	30	17	7	26	
D	17	-1	19	32	30	28	31	33	32	24	14	-4	9	27	114	252	311	206	-21	393	-62	-34	-215	-222	-142	36	
	18	-73	-48	32	24	33	15	6	45	59	41	31	24	24	24	26	27	31	31	31	33	39	88	-118	-246	0	
	19	-327	-23	46	57	41	38	35	32	31	24	22	16	17	28	47	46	39	97	161	63	40	31	23	15	25	
	20	3	-28	-50	-36	25	32	28	23	22	10	6	9	33	26	25	32	31	33	32	33	33	33	7	-18	14	
	21	-42	-19	31	33	30	41	40	28	16	9	9	16	24	22	31	46	54	66	33	29	31	31	30	31	26	
	22	31	32	32	33	33	31	25	17	14	7	7	22	17	22	28	33	41	46	33	32	33	26	15	28	27	
	23	34	37	38	33	31	30	33	30	22	15	14	16	25	33	33	41	56	64	48	33	32	31	18	0	31	
DD	24	7	13	23	33	41	47	36	31	22	15	94	292	394	378	171	38	62	58	64	-19	-296	-321	-183	-183	34	
	25	-77	-154	-109	-32	28	28	22	2	0	15	17	30	17	50	79	51	39	-11	22	40	-24	-53	0	-19	-2	
	26	-18	-67	24	25	23	19	22	22	15	16	20	25	24	22	24	24	30	31	40	15	33	25	23	25	18	
Q	27	30	30	30	29	29	27	25	21	17	16	17	27	24	25	25	31	33	41	57	25	28	-16	-190	-58	13	
	28	-2	15	25	38	36	24	25	17	14	20	17	25	31	28	31	34	40	33	36	33	31	24	-1	15	25	
Q	29	31	30	30	30	31	32	32	25	22	22	20	23	27	30	31	36	38	39	39	41	41	40	36	36	32	
Среднее																											
По всем		-10	5	19	24	32	32	29	26	23	20	19	32	41	48	47	47	52	43	55	21	1	-23	-37	-41	21	
По B		28	29	28	29	31	32	30	24	20	17	16	24	24	26	29	32	35	38	39	34	37	9	-14	14	25	
По дням		-16	-13	16	19	33	38	30	24	19	18	30	79	112	126	114	93	94	38	93	-45	-141	-179	-185	-168	9	

ЛОПАРСКАЯ

ФЕВРАЛЬ 1972 Г.

Вертикальная составляющая $Z = 51300$ + табличное значение в гаммахШирота $68^{\circ}15$ 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.
	1	30	40	36	38	36	32	40	47	30	35	27	32	62	87	76	70	79	50	56	47	46	46	23	-54	42
	2	-48	-2	26	13	-3	20	24	34	54	56	49	57	68	62	57	75	83	53	47	55	35	29	39	11	37
	3	-12	-3	26	45	38	42	36	37	35	38	42	56	78	83	100	101	41	19	76	39	36	36	29	27	43
	4	30	-5	-16	-37	1	33	23	37	37	42	71	68	62	46	63	50	41	38	39	39	-8	21	9	27	30
	5	41	36	31	36	39	39	34	37	37	40	39	45	50	52	45	50	67	78	99	60	56	56	23	34	47
	6	35	39	35	19	17	30	27	32	35	35	35	39	43	36	34	40	40	45	44	-26	-25	-34	15	-22	24
Q	7	8	10	37	50	39	35	38	40	34	39	40	41	39	45	45	65	80	88	100	67	33	-46	53	-103	37
	8	11	21	11	23	23	41	42	37	34	36	38	43	40	40	46	61	56	50	47	45	49	44	27	20	37
	9	36	37	26	35	39	37	29	36	40	31	35	43	40	42	41	47	48	63	65	54	49	46	45	34	42
	10	29	-12	-25	26	27	27	26	27	32	35	32	37	37	36	34	35	39	36	40	36	30	-104	-73	13	17
	11	40	32	38	36	24	36	30	32	31	36	55	53	57	70	49	43	44	60	47	30	24	19	10	26	38
DDQ	12	29	27	24	32	34	39	32	37	33	37	36	35	39	47	39	42	43	42	41	39	32	34	45	39	37
	13	45	27	36	31	40	30	32	37	42	31	31	42	135	133	84	76	83	-39	-100	-85	44	92	166	-15	42
	14	-95	8	18	36	43	47	43	49	57	42	41	45	43	40	49	57	49	45	49	-3	-23	-88	-122	-96	14
	15	-2	21	24	27	15	18	32	39	49	60	44	49	47	73	43	45	40	39	44	31	8	-41	-70	-86	23
	16	-39	7	13	29	40	39	35	31	32	34	36	39	46	44	45	58	61	56	41	34	29	31	-9	-29	29
D	17	-34	4	15	29	32	29	34	37	34	34	43	48	65	113	44	-9	-137	-23	36	65	57	19	-23	-9	21
	18	23	10	24	34	49	42	21	31	43	47	44	36	41	32	42	39	41	45	44	44	49	-65	-16	-32	28
	19	100	-94	4	46	46	53	56	43	42	45	44	43	44	48	50	60	53	64	71	82	64	56	23	19	44
	20	23	-21	-50	-38	-3	23	19	24	30	45	50	50	70	53	47	40	49	45	40	36	35	18	7	-26	24
	21	-34	-2	34	40	23	32	37	44	49	41	40	52	66	60	43	38	60	41	50	45	34	33	36	34	37
Q	22	34	34	40	34	33	43	36	39	45	40	45	44	50	41	43	44	53	29	29	30	31	-3	-38	5	32
DD	23	16	36	36	17	33	34	26	30	30	24	32	44	39	39	48	61	71	86	70	34	19	29	15	-18	35
	24	-40	-29	-25	-8	14	21	21	22	18	20	29	4	-103	-117	-147	-121	3	39	30	-10	81	60	118	3	-5
	25	-3	65	-36	-85	10	34	49	50	49	49	50	60	65	87	107	81	70	-34	36	49	-88	-86	2	18	25
Q	26	41	18	40	39	39	47	38	39	39	40	45	44	44	47	55	45	49	49	52	-7	32	45	55	55	41
	27	37	49	41	49	47	37	39	43	37	49	47	52	60	58	52	55	58	41	45	49	57	69	-72	-41	40
Q	28	-23	-11	19	27	35	32	23	35	36	32	33	35	50	52	46	43	45	50	38	43	45	39	8	-2	30
	29	29	38	35	39	35	35	32	37	30	24	31	39	36	32	34	29	38	35	31	27	30	30	34	33	33
Среднее по всем по Q по D дням		11	13	18	23	29	35	33	37	38	38	41	44	49	51	45	45	46	41	45	33	30	13	12	-5	32
		33	37	33	38	38	38	34	38	37	36	39	43	45	44	42	43	48	42	42	40	40	35	3	14	37
		-25	15	2	1	28	32	36	39	40	35	39	40	41	51	27	17	14	-2	10	3	14	-1	28	-20	19

ЛОПАРСКАЯ
МАРТ 1972 Г.

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

Дни	Время миро- вое																									Средн. суточн.	
		I	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
	1	-1.2	-0.8	-0.8	-0.8	-1.4	-1.4	-1.4	-0.8	-1.0	-5.6	-7.4	-5.0	-7.2	-4.6	-5.8	-4.8	-7.5	-6.8	-3.6	2.7	9.4	29.8	10.0	10.2	-0.2	
	2	5.8	4.4	4.5	5.4	2.2	2.0	0.8	-0.6	-1.4	-3.6	-10.2	-9.4	-11.8	-9.4	-8.0	-10.6	-13.4	-16.6	-6.0	-1.0	3.8	6.8	35.2	46.8	0.6	
	3	5.0	20.4	9.2	2.9	2.1	1.0	2.8	2.0	2.3	-1.5	-1.5	-3.7	-0.9	3.3	-5.5	5.0	-1.5	-2.0	1.2	9.4	3.0	3.3	8.0	15.5	3.3	
	4	10.6	6.2	-0.8	-0.9	-0.8	-0.5	1.2	1.0	-2.4	-6.4	1.0	-6.8	-6.0	-8.6	-4.9	-4.8	-5.4	-3.8	0.9	-2.6	-1.9	-1.2	-1.5	-0.9	-1.6	
	5	3.0	5.6	3.4	3.4	2.2	0.9	1.6	-0.6	-1.0	-2.6	-6.2	-6.2	-2.0	-1.4	-2.0	-2.0	-2.6	-2.6	8.7	-3.2	-3.2	-2.4	-2.6	2.9	-0.4	
D	6	15.6	11.2	5.6	1.8	1.2	1.5	2.8	1.4	-0.4	-1.5	-1.3	-1.2	-2.0	-2.0	-1.4	-2.0	-2.6	-2.6	-3.8	-3.8	-3.2	2.1	11.2	9.4	1.5	
	7	85.0	48.4	4.0	-6.5	-5.8	-0.9	11.0	2.0	3.5	-2.6	-1.3	-2.4	4.0	4.2	4.2	-2.0	-1.4	9.4	4.4	-2.0	3.8	3.6	18.8	16.7	8.2	
	8	5.6	1.1	-0.8	-0.9	-0.8	-0.9	2.4	1.0	-0.8	-2.2	-2.4	-2.2	-3.0	-1.3	-0.4	-5.0	19.6	2.8	-2.1	-2.2	-2.4	-1.0	-0.8	-1.4	0.0	
Q	9	2.1	-0.6	-1.5	-0.6	0.6	-0.8	-1.4	-0.8	-1.4	-4.5	-6.2	-8.1	-10.6	-9.0	-3.0	-1.9	-4.4	-11.1	1.8	13.4	8.8	-2.6	-2.6	-1.4	-1.9	
	10	-1.8	-1.0	-1.0	-1.8	2.2	2.8	4.0	5.2	4.6	2.2	0.6	-1.1	-1.5	-0.9	-0.8	-1.5	-1.8	-2.0	-2.0	-3.3	-3.4	-6.4	-0.4	8.8	0.0	
	11	8.8	25.7	19.4	7.0	12.2	7.7	1.4	-3.3	-1.2	-1.0	-2.2	-3.0	-2.2	-1.6	-1.8	-1.8	-2.0	-2.8	-2.8	2.9	-3.4	-2.6	-1.4	-1.4	2.1	
Q	12	-1.2	-0.6	1.0	1.4	2.2	2.4	2.6	2.2	0.6	-0.9	-2.1	-3.7	-3.6	-2.6	-1.2	-2.1	-2.8	-3.2	-3.3	-3.3	-3.7	-4.2	-3.4	-0.9	-1.3	
Q	13	0.6	-0.8	-0.6	0.6	0.8	1.0	2.8	2.6	1.0	-1.5	-3.8	-3.7	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.6	-2.6	-3.2	-1.0	3.0	-1.0	-0.8	
	14	-1.4	-1.4	-0.8	-0.9	0.6	0.9	1.0	2.0	1.6	0.5	-1.5	-8.6	-7.3	-6.2	-5.0	-4.4	-3.2	-3.6	-4.0	-3.6	-3.8	-4.0	-4.0	-3.8	-2.5	
	15	-4.0	-2.5	-1.5	-1.4	-1.1	0.9	3.5	5.6	5.4	-2.2	-6.5	-9.3	-8.0	-7.4	-4.0	-3.7	-3.4	-5.0	1.0	3.6	4.2	-4.6	-2.6	4.2	-1.6	
D	16	29.8	40.2	49.6	14.0	27.6	4.4	2.4	0.8	-0.8	-6.9	-9.7	-19.8	-21.1	-24.2	-12.2	-10.0	-9.6	-3.8	-3.8	-5.4	-5.4	-5.8	-0.8	13.5	1.8	
	17	10.6	-1.0	1.0	5.4	8.8	1.2	1.6	2.0	1.0	-6.1	-6.1	-15.6	-2.0	-3.2	-10.4	-8.6	-9.8	-8.1	2.2	22.8	35.4	40.2	5.8	0.5	2.8	
Q	18	11.8	3.9	7.0	2.8	1.6	1.6	7.2	2.0	-3.8	-4.0	-7.4	-8.6	-8.0	-1.4	-0.9	-5.5	-5.0	-1.0	1.0	-1.2	-0.9	2.2	5.6	1.2	0.0	
	19	-0.5	0.5	-0.9	-0.5	-1.0	2.8	2.2	2.6	-1.2	-4.0	-6.2	-10.8	-13.2	-11.7	-9.8	-16.9	-16.2	-16.3	-17.5	-3.2	5.0	6.5	9.3	8.0	-3.8	
	20	10.6	5.6	1.1	2.4	0.6	2.8	2.2	2.6	1.6	-1.5	-1.5	-1.8	-2.0	-2.0	-0.8	-9.8	-4.4	-4.9	-5.2	-4.6	-3.0	5.2	6.8	5.4	0.2	
Q	21	-0.8	-1.0	1.5	2.9	2.2	2.0	0.6	-0.8	-2.1	-6.0	-10.2	-13.4	-13.2	-13.4	-10.6	-8.2	-7.2	-8.0	-3.2	-7.0	-3.4	-1.8	-1.0	-0.6	-4.5	
	22	2.2	5.0	6.6	2.8	-1.0	-1.4	-0.4	-0.5	-3.2	-5.0	-7.2	-9.4	-9.1	-8.0	-5.4	-2.5	-3.3	-5.8	-5.4	3.2	12.4	18.3	12.6	-1.6	-0.2	
D	23	-3.2	-1.8	-0.4	-0.6	-0.6	0.6	1.2	0.6	-2.0	-10.2	-11.2	-16.8	-17.1	-11.8	-17.6	-14.8	-16.6	-16.0	-17.4	4.4	39.4	44.2	29.4	37.1	0.0	
	24	44.3	37.0	27.4	13.6	5.3	-3.0	-0.4	2.9	-1.4	-4.0	-9.4	-15.2	-23.2	-15.6	-18.4	-12.2	-20.6	-2.8	-3.0	-4.6	-2.0	9.4	0.6	-0.4	0.2	
	25	2.2	-0.5	3.6	6.3	6.3	2.2	-1.2	-1.0	-1.0	-2.6	-4.8	-5.0	-3.2	-2.1	-2.4	-1.9	-1.0	-0.9	-1.0	5.2	5.4	5.8	6.2	2.2	0.7	
	26	1.5	2.2	3.6	4.6	3.9	3.9	1.8	0.6	-2.6	-5.4	-11.4	-7.4	-11.7	-6.9	-3.8	-4.5	-6.2	-6.9	-10.8	12.8	18.4	32.7	83.0	62.0	6.4	
	27	46.2	29.8	30.4	20.8	6.4	5.0	6.2	1.0	-0.4	-4.8	-7.8	-9.1	-10.0	-9.0	-9.4	-8.6	-11.5	-13.5	-6.0	6.4	18.8	29.6	53.8	59.0	9.3	
D	28	26.7	8.7	-6.9	-4.2	-1.0	-0.9	-3.0	-4.4	1.0	-1.3	-1.3	-8.1	-3.2	-5.5	-4.2	-3.0	-3.6	-5.2	-5.4	-4.8	-3.4	-3.8	-2.8	-2.1	-1.7	
	29	-1.2	-0.9	-1.0	-1.2	1.4	1.6	-0.8	-1.4	-2.6	-9.6	-13.6	-24.6	-10.8	-11.2	-12.2	-18.9	-17.7	-13.4	-10.8	11.8	38.4	28.6	47.6	47.8	1.0	
	30	29.7	47.4	44.8	34.7	5.6	-0.8	-7.2	2.2	-5.2	-6.2	-14.6	-15.2	-22.2	-20.6	-26.0	-19.2	-24.3	-24.9	-12.2	-5.9	-3.8	32.9	15.4	14.4	0.8	
	31	4.2	8.2	8.8	6.3	1.6	0.8	2.2	2.8	0.8	-4.5	-7.2	-9.3	-9.1	-11.4	-12.7	-11.4	-12.9	-14.1	2.6	18.2	2.66	5.9	4.8	5.4	-0.7	
Среднее																											
по всем		11.2	9.6	69.5	3.8	2.7	1.3	1.6	1.0	-0.4	-3.7	-5.8	-8.5	-7.8	-6.7	-6.4	-6.4	-6.6	-6.4	-3.6	1.7	5.1	8.6	11.0	11.4	0.6	
по D		-1.1	-0.7	0.0	0.2	1.2	2.2	2.1	2.2	0.7	-1.6	-3.9	-7.5	-7.8	-7.0	-7.0	-6.6	-6.2	-6.6	-7.0	-4.1	-1.8	-2.0	0.1	2.3	-2.4	
по Q		37.5	34.4	24.9	10.9	6.8	0.2	1.0	1.3	-1.3	-5.9	-9.7	-15.4	-14.6	-13.5	-12.9	-12.6	-14.7	-7.1	-5.0	-1.2	6.2	13.7	16.3	18.4	2.4	

ЛОПАРСКАЯ
МАРТ 1972 Г.

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

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.
	1	38	30	31	33	31	32	30	27	27	37	37	34	43	40	50	48	45	56	59	16	-34	-78	1	1	26
	2	19	34	7	0	21	30	31	32	35	36	36	44	66	67	56	73	86	90	101	58	31	24	3	-34	39
	3	-56	-42	1	23	34	28	29	40	49	36	17	17	16	14	41	33	30	14	9	-67	-19	-11	-28	-59	6
	4	-23	-21	8	9	25	31	34	45	56	65	75	55	45	50	63	56	56	68	54	48	41	9	8	-60	33
	5	-39	6	30	34	31	28	31	29	34	39	45	36	37	38	32	37	46	48	13	13	24	9	23	-2	26
D	6	-93	-47	-9	14	16	18	33	27	29	34	36	40	39	34	30	14	18	16	20	32	-31	-277	-316	242	-3
	7	28	-66	-26	17	-4	28	-97	-74	-23	33	36	40	39	34	30	37	18	-99	-86	10	13	-45	-133	-64	-15
	8	-45	9	28	19	31	29	30	31	36	30	39	39	45	41	50	55	19	32	50	38	34	36	39	39	31
Q	9	35	27	29	32	30	39	30	30	34	32	49	86	94	115	82	79	104	88	57	-5	-41	30	34	41	47
	10	44	40	49	37	42	50	40	39	41	44	47	45	45	38	36	39	42	36	34	34	27	34	-22	-60	33
Q	11	-81	-153	-107	-117	-44	30	44	41	32	34	37	45	40	45	43	37	40	36	42	11	39	43	39	39	9
	12	40	47	31	34	35	38	37	32	32	35	35	39	44	45	40	38	39	40	38	30	27	32	22	-49	32
Q	13	-37	19	31	37	29	44	33	21	17	17	17	34	20	34	30	23	23	20	13	13	13	-45	-39	-39	14
	14	-8	25	25	14	28	25	34	33	31	31	34	44	55	45	41	38	39	38	34	29	28	29	33	37	32
	15	42	32	30	34	36	47	33	21	27	39	55	52	61	45	56	57	49	34	18	-44	-17	19	16	-47	29
D	16	22	-224	-215	-194	-83	-3	42	39	17	21	36	74	91	76	50	81	81	85	65	49	12	-6	-7	39	6
	17	54	21	48	39	21	36	21	19	19	38	61	49	41	29	81	76	102	92	-13	-96	91	127	-5	26	41
Q	18	-39	-68	-22	10	35	40	31	17	62	65	44	50	66	37	34	69	65	68	40	19	24	12	-34	-43	24
	19	-2	15	9	19	29	33	40	34	41	39	43	60	62	75	69	62	62	49	41	44	19	11	10	-41	34
	20	-68	-9	17	17	17	29	36	36	36	21	16	16	32	30	35	90	88	61	41	44	24	6	-32	-23	23
Q	21	-13	13	21	21	40	44	31	32	29	30	34	37	50	53	64	76	67	66	45	44	37	24	+36	36	38
	22	18	-16	-49	-25	16	32	24	30	39	24	32	39	37	44	56	76	79	64	32	32	68	63	-54	-17	27
D	23	39	36	36	36	36	27	24	29	24	32	46	62	89	81	43	37	39	37	40	-7	-69	-76	-28	-60	23
	24	-13	32	-16	-121	-140	-48	36	39	43	49	58	68	102	107	113	120	36	8	63	36	-48	-39	23	37	23
	25	23	28	32	29	24	22	20	35	40	39	41	46	44	38	40	52	65	75	55	39	-21	-42	-36	-57	26
DD	26	20	32	39	29	27	23	30	34	40	39	34	44	47	60	42	37	53	62	33	29	-44	-26	3	75	32
	27	-3	-41	-83	-75	-3	16	40	42	53	44	41	44	45	46	57	68	82	63	21	-4	-42	-46	-10	15	15
	28	-164	-106	-86	-33	13	4	18	30	36	40	34	46	35	44	40	39	43	35	27	31	36	35	37	37	11
	29	40	39	36	32	31	32	23	29	32	36	49	68	65	65	81	82	42	65	68	91	113	107	184	135	64
	30	-133	-194	23	-86	-59	-55	39	56	49	54	56	71	101	108	95	96	120	82	63	93	199	13	-31	-20	31
	31	-44	-38	-8	21	32	27	42	60	45	53	56	66	52	52	71	87	93	75	-68	-111	-2	13	-85	40	19
Среднее по всем по Q по D	дням	-13	-17	-2	-2	12	24	28	30	34	38	41	48	53	53	53	58	57	48	33	18	17	0	-11	3	25
		12	28	27	25	35	38	36	34	35	36	39	45	51	51	50	51	50	46	38	36	27	26	16	-15	34
		-11	-82	-40	-70	-51	-9	9	18	24	39	47	64	80	78	74	83	59	28	35	56	58	6	7	25	22

ЛОПАРСКАЯ
АПРЕЛЬ 1972 Г.

ГОРИЗОНТАЛЬНАЯ СОСТАВЛЯЮЩАЯ $H = -11800'$ + 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.	
Q	1	33	40	39	44	41	33	28	0	-13	-9	-18	5	47	46	38	39	40	56	71	-53	-234	-258	-578	-281	-35	
	2	-3	24	23	-35	-49	52	47	23	15	9	19	6	12	25	43	53	47	44	39	36	24	22	30	33	22	
	3	33	37	36	39	38	36	32	21	14	7	7	12	23	25	33	39	41	47	50	58	55	-124	-85	32	21	
	4	28	38	50	48	48	38	33	26	10	14	19	17	27	50	147	147	82	110	0	-9	-41	-75	15	5	34	
	5	-47	25	47	47	40	-1	7	28	19	9	30	34	79	89	47	40	41	38	38	38	33	36	36	39	33	
Q	6	38	38	37	38	38	36	25	15	6	5	27	6	17	66	98	50	41	46	46	35	35	33	35	33	35	
	7	36	39	40	40	36	32	29	18	13	17	19	25	65	139	130	81	64	64	36	33	28	22	-82	0	38	
	8	30	41	47	47	41	36	31	24	10	1	6	18	22	25	31	50	53	101	69	48	34	34	35	24	36	
	9	-32	-26	41	47	44	40	32	23	15	9	7	18	23	27	30	39	39	44	48	45	40	40	39	39	39	28
	10	40	41	42	43	41	38	26	15	3	2	-1	9	22	24	31	34	46	54	74	46	30	28	33	30	31	
D	11	33	39	39	27	33	36	17	-1	-12	-17	-14	7	25	39	34	41	48	50	56	40	-17	-11	10	-18	20	
	12	28	44	46	39	46	46	27	3	-4	-11	0	20	46	39	71	105	100	41	41	47	-51	-70	-205	-158	12	
	13	-129	-68	28	41	37	31	15	-2	0	-9	7	33	48	58	86	113	82	73	53	-35	-179	-42	-44	-9	8	
	14	6	5	23	20	11	25	16	13	5	3	-8	23	14	41	56	73	65	32	39	39	41	38	31	20	26	
	15	9	14	31	45	39	33	25	15	0	-13	-1	17	31	30	57	85	82	55	50	42	16	-48	24	22	28	
D	16	15	27	28	0	28	30	26	14	7	1	7	-8	6	32	30	33	46	53	56	55	33	33	31	-34	23	
	17	41	3	47	46	39	39	25	23	15	12	23	15	19	23	32	46	48	58	82	73	66	39	-5	16	34	
	18	42	-57	-163	-101	-25	5	17	14	31	48	215	269	307	228	136	191	229	148	114	94	74	-41	-25	-99	69	
	19	-2	55	53	41	33	26	25	22	22	-3	32	98	132	33	-5	16	16	25	26	25	25	25	32	33	33	
	20	34	36	38	39	36	32	25	7	-2	-3	6	32	32	50	58	55	62	76	82	-23	-82	-102	-161	-267	2	
D	21	-407	-192	-1	-57	-35	-13	40	23	9	56	76	156	200	149	105	129	161	113	123	-3	-8	14	34	34	29	
	22	37	38	36	33	30	30	23	15	3	-7	-5	1	9	39	48	43	43	100	85	28	18	-255	-166	-70	6	
	23	25	50	50	38	38	28	25	17	23	6	25	34	50	100	108	51	48	66	42	-9	-89	-157	-57	-26	20	
	24	40	41	44	41	32	25	15	7	6	-1	10	20	16	33	33	38	41	46	57	56	57	51	47	44	33	
	25	46	45	47	47	47	41	31	16	1	-6	-8	11	7	20	30	33	39	41	47	50	50	50	47	38	32	
Q	26	41	54	52	51	48	40	30	16	1	-8	-10	-1	9	17	31	41	41	50	56	50	50	50	48	36	33	
	27	48	48	48	55	54	47	32	16	2	-8	-8	7	18	39	41	50	80	143	58	46	41	22	19	5	38	
	28	-42	-19	18	47	46	47	32	0	-7	36	162	208	234	392	324	221	130	30	51	39	20	3	6	20	83	
	29	32	-2	-20	9	32	0	-14	33	53	139	247	356	414	359	247	156	82	85	-98	-191	-190	-762	-524	-413	1	
	30	-359	-315	-185	0	36	33	23	15	25	21	54	73	69	109	173	157	98	100	105	-14	-123	-235	-248	-50	-18	
Среднее по всем по Q по D ДНЯМ		-10	5	22	27	31	31	25	15	9	10	31	51	67	78	77	75	68	66	53	23	-8	-55	-54	-31	25	
		26	30	44	45	42	36	28	17	7	0	1	12	16	24	31	38	41	46	51	51	50	13	19	38	29	
		-69	-46	-23	-11	13	15	22	19	19	59	144	201	236	236	192	169	137	97	38	-14	-29	-172	-99	-91	43	

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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.	
Q D	1	23	43	36	38	49	45	44	56	65	68	60	41	53	74	70	61	58	55	27	-91	-7	52	-36	-151	31	
	2	-35	-2	-18	-41	-2	45	43	40	40	32	49	47	40	47	55	60	55	53	35	6	-16	16	32	26		
	3	32	38	39	35	44	35	30	31	32	30	33	28	42	37	40	32	33	35	44	42	18	-47	-48	-6	26	
	4	-2	1	18	29	35	32	35	35	35	34	35	38	45	49	45	86	108	91	41	10	0	-12	-31	10	12	31
	5	-29	8	23	40	32	33	28	39	39	35	39	61	63	87	75	66	55	56	45	45	34	30	62	37	37	42
Q	6	39	39	39	34	40	38	36	36	42	32	40	66	56	66	91	60	50	47	37	29	18	24	37	42	43	
	7	45	46	40	34	35	48	31	34	40	48	55	62	73	108	90	96	87	87	55	37	32	30	-43	-44	47	
	8	18	37	39	34	40	49	36	36	38	36	34	44	40	38	40	44	53	57	65	52	32	31	42	30	40	
	9	-38	-34	23	34	39	40	38	39	33	39	40	43	52	44	53	50	53	49	41	42	37	31	40	44	35	
	10	34	44	34	45	40	36	33	40	35	31	31	35	31	35	32	32	39	40	50	24	42	22	25	24	35	
D	11	43	37	38	44	32	32	30	32	40	48	36	40	60	55	63	58	58	59	50	30	-22	-31	-3	3	35	
	12	9	30	30	41	35	43	37	41	36	34	34	44	63	73	75	84	63	47	38	27	-61	-122	-93	-136	20	
	13	-132	-46	15	16	39	41	44	44	46	48	39	50	70	72	73	97	100	130	55	-47	-110	-99	-92	-46	17	
	14	-12	-6	11	14	13	15	21	37	40	45	47	56	58	64	81	81	55	36	34	29	30	25	10	-25	32	
	15	1	17	24	27	45	24	29	41	45	40	30	50	50	47	71	95	99	63	36	34	-3	-33	-2	13	35	
D	16	9	13	14	-5	14	29	23	31	37	36	34	40	30	46	47	37	41	37	36	16	30	16	21	-7	26	
	17	-51	-20	16	27	35	27	24	27	29	36	38	40	45	41	38	40	45	37	50	36	38	19	-7	18	26	
	18	27	-9	-78	-107	-77	-25	10	27	39	70	127	134	127	127	106	97	60	84	8	-8	18	82	64	35	39	
	19	17	39	48	49	50	48	40	43	55	68	41	98	136	123	75	53	54	44	36	36	27	34	40	44	54	
	20	44	41	37	39	35	36	39	34	35	35	35	47	53	58	66	75	75	70	30	50	-28	-14	34	180	46	
Q Q	21	21	-49	4	-61	-22	6	68	61	63	71	91	107	96	86	116	72	68	65	31	23	34	39	49	52	45	
	22	55	47	45	45	54	39	52	48	49	54	49	45	50	55	64	60	48	31	13	-7	27	97	-65	-3	40	
	23	13	34	49	45	39	44	50	50	49	47	53	90	96	121	99	81	65	61	14	8	-21	18	-29	-55	43	
	24	30	40	49	44	44	48	39	40	100	44	39	41	40	39	41	49	48	39	45	37	35	32	42	29	43	
	25	41	44	39	32	41	40	41	34	34	32	32	37	40	41	49	50	31	41	30	30	26	30	34	34	26	36
Q D D	26	27	30	32	34	36	40	31	29	29	36	39	35	35	27	36	31	34	30	35	35	35	21	25	6	31	
	27	20	32	36	34	36	42	27	29	27	34	27	32	35	37	45	42	56	72	59	41	28	11	-7	-11	33	
	28	-57	-51	-7	8	-1	3	22	30	40	68	125	180	154	29	-86	-106	-2	48	82	58	73	42	24	37	30	
	29	39	45	21	36	21	38	56	76	99	136	115	76	-29	1	46	-42	13	48	85	50	185	287	90	115	67	
	30	84	197	-18	10	16	19	32	45	55	58	71	91	104	111	88	97	110	88	21	68	150	242	91	34	78	
Среднее по всем по Q по D		11	23	23	22	28	33	36	39	45	48	52	60	61	61	60	54	57	54	40	25	23	29	10	11	38	
		18	23	36	36	41	40	36	35	45	36	38	37	42	39	44	39	42	37	39	36	31	14	19	20	34	
		6	13	8	19	9	11	18	46	55	76	99	108	79	58	54	26	46	57	43	25	60	84	47	50	46	

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Горизонтальная составляющая $H = 11800$ + 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	49	-31	16	43	20	2	16	1	-17	10	10	10	45	70	47	62	115	67	42	-23	-193	-160	-81	-135	-1
	2	-82	-66	-65	13	42	45	31	23	10	11	53	20	47	26	70	68	56	69	49	-15	-104	-228	-72	47	2
	3	49	56	47	51	42	36	27	23	8	13	26	23	26	31	88	70	67	54	47	34	34	42	41	42	41
	4	39	34	47	41	39	42	31	21	0	-1	1	13	42	64	72	59	59	56	45	44	37	34	35	38	37
	5	33	34	33	18	34	33	23	11	1	-2	-5	15	31	39	47	47	51	62	64	59	56	33	-31	56	31
Q	6	56	58	56	51	42	39	23	17	1	-2	-2	49	64	15	45	59	67	72	78	21	18	26	34	28	38
	7	18	28	42	42	34	26	17	10	-1	0	4	15	26	41	41	45	54	54	49	45	47	47	36	26	31
	8	41	47	34	42	39	31	19	10	2	1	10	28	37	48	43	60	65	67	58	56	56	52	51	51	40
	9	48	49	42	43	40	39	33	35	10	-26	10	36	51	59	80	110	107	131	17	-209	-221	-127	-123	34	11
	10	49	15	-2	33	33	23	31	31	41	59	51	68	86	92	116	108	53	56	58	40	-48	-66	-2	37	40
D	11	54	54	56	41	33	25	7	8	25	7	17	41	26	42	59	97	102	89	87	45	10	-15	10	7	39
	12	48	42	41	36	25	6	15	10	18	7	10	17	64	140	97	64	40	39	42	41	40	40	34	15	39
	13	-76	-72	39	49	47	37	31	15	4	8	18	24	35	42	57	83	117	138	72	49	-19	-65	-99	-106	18
	14	-49	17	33	36	42	40	26	25	8	8	8	39	49	65	115	114	84	79	73	43	33	16	-10	14	38
	15	33	41	25	34	27	26	25	17	20	20	10	24	24	32	32	54	78	73	80	-100	-340	-18	-146	-404	-14
D	16	-603	-281	58	97	51	42	28	16	24	19	24	29	60	64	59	59	57	56	49	47	47	43	42	45	6
	17	42	45	40	36	29	24	31	26	22	18	31	61	103	144	166	124	64	34	31	27	18	7	11	-4	47
	18	-16	6	32	49	21	0	-1	16	13	17	13	41	48	44	56	59	59	64	59	58	40	37	37	34	33
	19	27	39	44	40	32	26	19	8	-1	4	1	17	33	41	43	48	51	58	58	57	56	40	26	-19	31
	20	-89	15	26	40	48	41	28	15	1	10	19	30	59	42	37	33	39	48	51	48	43	41	33	48	29
Q	21	42	47	51	56	42	34	26	15	12	15	13	16	23	19	33	47	67	80	75	56	42	48	49	39	39
	22	40	39	30	45	47	34	18	15	8	10	13	26	29	33	56	65	73	67	65	60	48	38	42	34	39
	23	36	32	45	53	46	37	26	16	7	3	7	18	59	59	59	67	125	123	75	42	21	-117	-171	-158	21
	24	-48	25	34	-2	8	21	18	3	-9	1	8	25	40	56	56	69	70	67	51	41	37	39	42	51	29
	25	56	58	56	51	42	35	24	10	0	1	10	29	39	48	57	49	51	59	67	64	59	64	33	6	40
D	26	-74	7	34	47	40	42	31	18	17	23	38	34	42	56	67	94	107	90	68	18	-47	-78	-89	-71	21
	27	-57	18	42	45	42	32	18	6	1	3	13	39	62	63	72	113	116	92	68	-17	-108	-93	-117	-241	9
	28	-82	42	77	80	69	59	46	33	31	67	34	18	90	58	95	277	174	124	84	8	8	31	24	37	62
	29	43	47	34	31	40	31	25	15	8	23	26	81	40	90	147	108	74	56	48	45	42	33	8	3	46
	30	-18	20	7	32	39	35	28	16	2	6	13	58	57	56	99	79	83	96	108	113	-191	-154	-27	24	24
31	18	-10	17	43	39	2	-7	1	1	3	1	49	61	74	92	133	94	89	67	64	53	47	-43	-172	30	
Среднее по всем по Q по D дням		-12 8 -137	15 35 59	34 39 22	42 44 53	38 39 42	31 32 35	23 22 29	16 12 18	9 3 14	11 6 25	16 9 26	32 21 20	48 36 53	56 38 50	71 39 61	81 47 104	78 55 96	74 61 78	61 58 61	28 52 -17	-14 49 -116	-12 46 -66	-14 39 -47	-19 29 -82	29 34 11

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Горизонтальная составляющая $N = 11800 +$ 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	-11	60	60	65	51	45	30	19	11	-3	11	33	46	44	46	52	63	61	66	60	52	43	44	47	41
	2	46	51	53	40	42	38	28	19	4	5	31	32	41	46	63	93	99	113	82	69	61	36	23	-12	46
	3	-7	-8	-27	29	36	29	30	22	17	28	62	80	96	93	64	69	76	61	52	51	32	15	11	44	40
	4	51	58	46	51	51	37	35	27	22	38	30	33	55	63	38	113	151	110	103	37	40	-70	-19	38	47
	5	11	-19	-114	-11	12	19	4	5	30	31	73	61	32	71	84	79	79	70	77	70	47	38	22	34	33
Q	6	51	56	55	46	36	38	26	20	14	5	14	28	51	59	69	96	90	84	77	68	39	-22	-168	-6	34
	7	52	43	-11	8	51	49	45	30	29	36	60	79	196	135	70	71	87	92	78	55	35	-19	2	22	54
	8	46	33	20	4	31	41	37	34	25	23	35	11	37	68	62	55	61	78	74	61	38	25	-13	-87	33
	9	-88	-14	33	50	48	38	24	14	0	11	25	22	50	37	36	33	41	44	48	55	58	55	53	55	30
	10	55	55	55	52	39	29	28	22	19	11	19	25	41	62	76	91	93	92	88	71	70	53	61	55	52
Q	11	46	62	65	63	55	45	29	20	11	-1	4	10	29	65	68	61	61	61	70	72	71	66	57	53	47
	12	61	68	73	70	58	44	31	19	10	5	12	22	30	60	71	77	76	76	69	63	63	66	69	63	52
	13	48	42	55	69	61	45	28	15	4	-3	5	27	45	58	69	70	71	78	90	31	-73	3	-17	27	35
	14	47	76	79	68	58	42	32	28	5	19	22	27	55	53	58	80	76	87	90	78	0	-120	-20	29	40
	15	41	23	41	-45	12	51	30	20	21	27	20	29	37	94	112	161	135	92	79	70	68	52	55	52	53
D	16	61	66	68	55	43	30	28	29	28	1	3	37	60	64	88	131	128	103	76	60	35	-47	2	-54	46
	17	-78	-32	60	55	36	-5	2	19	14	44	84	184	309	232	184	201	282	265	94	-31	-159	293	388	-588	20
	18	-816	-785	-489	-406	-136	-195	-285	-123	30	92	276	397	556	602	125	-4	-80	-29	-169	-242	-113	0	17	-48	-76
	19	-317	-481	-253	-226	-224	-94	-36	-3	5	3	66	109	185	224	178	119	74	64	45	34	19	12	22	35	-18
	20	-15	-309	-72	43	37	12	6	8	14	5	16	52	27	31	42	39	36	36	30	31	25	26	19	5	6
D	21	35	37	23	19	26	24	15	2	-5	-8	-4	10	20	38	29	39	45	46	60	43	19	-4	-7	-31	20
	22	5	47	55	46	43	33	23	14	14	40	46	41	78	52	38	46	28	36	43	38	7	-26	-137	-250	15
	23	-112	-103	17	43	38	11	23	5	27	11	105	219	253	242	111	27	41	70	67	29	28	4	-13	-14	47
	24	-39	4	30	42	37	28	27	14	30	22	60	44	78	134	130	87	258	96	38	86	-5	10	-101	-45	48
	25	28	53	43	45	36	23	14	10	11	14	10	25	25	71	76	89	112	113	79	62	60	55	51	58	48
D	26	65	64	55	24	14	25	35	25	30	11	55	46	69	105	127	185	138	73	78	62	55	46	35	28	60
	27	43	55	62	38	38	22	18	16	25	17	38	55	41	35	72	79	93	145	125	-21	-344	-215	-147	-143	6
	28	3	27	-62	11	40	23	14	-3	11	-3	58	44	64	101	118	69	69	94	53	-41	37	51	22	43	35
	29	52	-45	-88	-31	22	11	30	25	24	31	43	47	72	84	153	172	112	109	80	36	-27	-125	-160	-9	26
	30	31	35	48	43	38	36	25	14	11	20	38	35	29	30	41	55	62	60	60	51	44	41	43	46	39
Среднее по всем дням		-20	-26	-1	12	24	19	12	12	16	18	44	62	90	102	83	88	88	83	63	37	9	-8	-19	-18	32
по Q		24	43	56	61	52	40	28	18	9	5	13	21	39	56	64	66	68	70	73	58	38	49	45	51	44
по D		223	237	115	98	47	47	53	13	19	39	99	156	229	231	119	101	104	111	40	-45	-111	-113	-103	-141	65

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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	-59	1	-18	43	39	42	39	40	45	54	48	45	44	39	40	35	32	27	37	30	23	24	16	41	29
	2	32	40	29	34	36	38	39	41	35	35	38	50	32	40	39	44	70	61	48	50	46	47	21	-9	39
	3	-44	-43	2	19	27	38	36	42	45	59	68	96	79	58	38	24	45	50	47	32	-4	-12	-24	23	29
	4	27	35	24	24	27	35	32	24	24	26	44	48	40	70	57	55	57	53	-7	-8	21	-10	-20	16	29
	5	4	-17	-48	-20	3	27	46	61	56	71	93	65	50	66	81	62	66	35	30	24	11	9	8	16	33
Q	6	27	39	50	45	36	31	32	34	39	30	34	44	45	63	63	66	73	53	45	32	21	3	-63	-28	34
	7	18	32	10	-7	11	32	37	49	40	47	62	79	98	79	65	60	68	42	36	27	15	-50	-31	15	35
	8	45	32	8	21	32	43	39	34	21	44	35	43	71	67	44	45	42	44	30	30	-2	-23	-55	-98	25
	9	-136	-91	29	24	36	41	40	44	41	42	53	55	61	48	33	37	39	30	30	26	30	41	36	39	24
	10	37	30	-22	35	46	36	38	26	27	31	27	45	42	58	62	63	66	58	45	43	34	34	39	41	42
Q	11	32	32	38	38	30	39	31	26	32	35	35	38	29	35	55	47	39	44	30	33	31	43	26	32	35
	12	35	35	44	32	37	30	26	21	24	27	35	37	33	34	40	41	42	38	39	40	30	32	34	32	34
	13	31	20	5	16	32	32	31	28	27	21	27	27	30	24	35	39	45	49	44	19	-70	-29	-22	18	20
	14	23	28	40	28	35	39	27	30	25	25	24	23	29	41	41	35	44	56	48	41	-13	-18	-28	-2	26
	15	11	-16	9	-38	-25	17	39	27	28	32	41	37	37	42	75	94	98	47	49	45	32	32	30	40	33
D	16	40	26	30	30	36	32	35	29	49	53	41	31	43	61	68	74	68	46	45	51	30	1	9	-36	37
	17	-72	-80	-5	32	30	30	42	60	68	82	82	92	125	151	96	73	17	-202	-46	27	20	-33	150	338	45
	18	400	201	302	548	457	436	224	276	261	213	214	-65	-223	-506	-353	-83	-71	75	175	234	31	48	56	85	122
	19	187	175	-142	-169	-107	-32	81	86	109	118	121	155	165	158	138	108	91	76	66	56	41	47	59	63	69
	20	46	4	-51	38	53	52	59	48	43	71	50	64	81	67	74	70	58	55	47	44	43	45	40	9	46
D	21	36	50	50	42	40	45	55	45	48	48	58	56	45	61	50	49	55	54	51	50	15	-28	1	-10	40
	22	12	42	47	47	68	61	56	51	65	71	76	111	125	83	58	59	59	45	43	41	21	1	8	-75	49
	23	-13	-63	6	35	50	56	62	65	58	58	65	131	123	136	122	72	66	66	24	6	39	49	23	4	52
	24	-20	18	45	44	38	54	43	40	41	55	49	69	73	107	103	71	103	71	60	58	49	56	73	3	54
	25	27	53	56	49	45	54	47	35	46	44	49	46	35	40	18	46	48	42	42	14	14	12	10	8	37
D	26	29	34	34	32	37	38	35	38	46	54	68	75	97	96	101	108	103	68	59	43	38	41	30	22	55
	27	32	42	43	41	35	42	38	49	58	52	45	73	82	65	56	84	69	76	56	30	29	-28	-65	-80	39
	28	-45	-10	-22	-3	17	24	43	49	76	82	69	96	87	86	100	69	58	60	21	-85	8	43	23	45	37
	29	47	1	-33	-34	2	18	38	48	59	63	68	68	76	61	90	60	57	63	53	5	-7	-55	-87	-25	27
	30	22	33	38	38	40	44	49	44	44	50	70	68	50	56	57	45	47	60	45	42	40	39	43	48	46
Среднее по по Q по D по дням		27	23	21	35	41	49	48	50	53	56	60	60	56	50	52	55	55	45	43	36	20	12	11	19	41
		0	5	20	29	36	36	33	29	30	31	36	40	39	40	45	45	46	44	38	32	11	24	23	32	31
		115	75	44	95	88	102	83	99	104	98	101	61	36	-12	-1	47	33	16	49	68	28	5	56	84	61

Л С П А Р С К А Я
И Ю Л Ь 1972 Г.

Магнитное склонение $D = I2^{\circ} +$ 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.
Q	1	-1.6	0.3	2.7	4.1	4.9	4.9	4.4	1.5	-2.8	-8.6	-11.5	-15.3	-18.1	-12.1	-12.8	-15.8	-15.1	-12.1	-14.1	-12.1	-12.1	-10.3	-6.1	-2.5	-6.7
	2	-0.1	0.5	2.7	2.7	2.8	1.5	-0.4	-1.7	-3.5	-5.2	-7.9	-8.6	-10.5	-14.6	-13.7	-12.7	-14.8	-13.3	-14.1	-13.3	-10.3	-8.9	0.5	11.1	-5.5
	3	7.7	3.5	2.1	2.9	6.1	4.9	1.7	-1.1	-7.1	-12.3	-16.5	-18.1	-16.3	-14.6	-9.9	-10.1	-12.3	-15.7	-12.8	-13.4	-11.5	-5.9	-0.7	3.5	-6.1
	4	3.1	4.1	5.3	5.6	0.9	2.2	3.2	-1.1	-2.3	-4.0	-9.3	-11.5	-12.9	-14.3	-17.2	-14.6	-11.2	-11.7	-11.0	-10.3	-10.5	-10.0	-8.3	-4.0	-5.8
	5	-2.8	-0.9	0.9	1.5	2.7	1.7	1.7	0.3	-3.3	-6.4	-9.8	-11.1	-12.4	-11.9	-10.5	-9.3	-9.1	-7.6	-9.3	-11.1	-10.1	-7.6	-4.7	-1.9	-5.5
D	6	-0.4	1.1	1.5	1.5	1.5	1.9	0.8	0.9	-2.3	-7.3	-10.5	-11.9	-12.4	-12.5	-11.7	-10.7	-11.1	-11.5	-12.4	-8.7	-8.7	-3.4	-3.4	-0.3	-5.4
	7	1.1	4.5	4.7	7.7	5.1	5.5	2.7	-2.3	-8.1	-14.1	-18.9	-23.9	-26.6	-22.5	-25.9	-30.8	-38.5	-29.3	-17.5	-9.3	-4.1	0.3	22.1	31.3	-7.8
	8	67.5	69.8	33.9	17.1	6.9	-2.5	-3.7	-4.5	-6.9	-6.9	-11.7	-10.6	-10.5	-11.2	-9.9	-10.5	-9.8	-9.8	-11.9	-11.1	-10.1	-9.7	-8.8	-7.9	1.1
	9	-4.0	-2.8	-0.4	3.1	4.7	3.7	2.3	0.5	-2.1	-8.8	-15.1	-17.7	-19.7	-23.7	-17.8	-13.6	-10.5	-11.7	-14.2	-14.3	-9.1	-5.7	3.9	1.7	-7.1
	10	8.7	2.2	3.4	1.7	5.9	4.1	0.3	-0.4	-3.3	-5.7	-11.3	-13.7	-17.2	-16.9	-16.0	-16.1	-14.9	-18.7	-15.3	-8.6	2.7	-5.7	-3.7	-3.3	-5.9
Q	11	-1.7	0.4	-0.4	1.5	3.2	3.3	0.9	-0.7	-5.9	-10.7	-12.7	-14.9	-13.6	-15.7	-11.1	-8.7	-9.1	-10.1	-1.7	-7.4	-3.7	-4.7	-5.8	-1.5	-5.5
	12	-0.7	0.7	-0.3	1.5	3.9	5.5	-4.0	-8.8	-9.3	-11.0	-12.2	-17.9	-20.8	-13.5	-13.6	-12.9	-12.1	-10.5	-10.1	-9.3	-10.3	-6.4	-6.1	-5.5	-7.6
	13	-3.4	-3.1	-2.5	-0.9	0.3	-2.1	-1.6	-1.5	-3.7	-6.9	-10.5	-12.9	-16.0	-14.0	-9.9	-9.9	-8.5	-8.1	-8.8	-8.1	-6.9	-6.3	-4.9	-4.9	-6.5
	14	-4.5	-4.0	-0.7	1.5	3.3	3.4	1.1	0.8	-1.4	-5.2	-10.3	-14.8	-16.0	-16.1	-15.3	-13.1	-11.7	-9.3	-8.9	-9.7	-8.9	-2.1	-3.5	-1.1	-6.1
	15	-1.3	-2.5	-1.0	3.5	4.0	5.1	2.1	-0.5	-3.3	-6.2	-10.0	-12.8	-14.5	-14.1	-13.3	-12.4	-12.1	-11.9	-13.6	-11.3	-8.1	-7.9	-6.7	-6.1	-6.4
D	16	-1.6	5.1	6.4	11.6	10.5	4.4	0.3	-2.1	-7.0	-9.7	-12.5	-13.7	-14.1	-11.5	-15.3	-18.2	-24.4	-27.8	-20.1	-15.1	8.7	3.2	-2.1	-1.6	-6.1
	17	-0.4	3.9	4.1	5.6	3.2	1.6	-2.0	-2.1	-3.9	-3.9	-9.3	-15.1	-17.2	-17.2	-12.7	-12.9	-14.5	-13.9	-13.3	-10.9	-8.8	-7.1	10.1	8.5	-5.3
	18	1.5	1.7	8.3	9.1	5.6	4.9	5.7	0.8	-2.5	-7.3	-9.9	-12.1	-12.1	-10.9	-11.1	-8.8	-10.0	-10.9	-8.5	-8.8	-7.3	-7.1	-4.9	-4.3	-4.1
	19	-3.9	-1.5	1.1	-0.1	-0.7	1.9	1.3	1.1	-2.9	-6.7	-10.7	-16.3	-18.7	-17.6	-17.7	-17.2	-11.7	-12.1	-8.8	-9.1	-4.9	18.4	26.6	26.1	-3.5
	20	1.5	0.8	1.0	2.0	2.7	7.5	6.5	3.1	-1.1	-7.1	-12.1	-14.8	-14.3	-14.3	-11.1	-9.7	-10.3	-8.8	-8.1	-7.3	-6.7	-5.9	-4.9	-4.0	-4.8
Q	21	-3.1	0.5	3.1	3.2	3.1	1.6	1.1	-0.1	-3.5	-7.6	-12.1	-14.0	-14.3	-12.8	-11.1	-8.6	-8.1	-7.7	-7.6	-9.7	-7.9	-7.7	-7.9	-6.9	-5.8
	22	-5.2	-3.4	-0.9	1.7	3.9	5.6	4.1	1.5	-2.9	-9.7	-12.7	-14.8	-13.7	-16.0	-15.9	-17.9	-15.9	-20.7	-21.7	-20.3	13.4	18.3	5.3	-5.1	-6.0
	23	-5.7	-2.7	-1.7	-0.7	-0.1	2.1	0.9	-1.3	-5.7	-8.7	-14.1	-15.1	-14.5	-14.9	-10.9	-15.9	-22.9	-18.4	-14.5	-12.9	-9.9	-7.7	-7.6	-4.0	-8.6
	24	0.8	-0.2	1.9	3.5	4.4	4.4	3.1	-0.4	-6.5	-11.2	-16.4	-14.6	-14.8	-20.5	-26.5	-25.5	-12.9	-14.8	-17.7	-22.5	-5.9	-4.1	84.1	44.7	-2.8
	25	45.9	27.5	26.6	11.1	7.5	0.9	0.5	-13.1	-12.3	-9.3	-8.3	-11.3	-20.7	-30.3	-10.9	-13.6	-11.1	-13.3	-13.1	-9.3	-8.9	-8.1	32.7	41.2	0.0
D	26	26.7	8.9	3.5	2.9	2.5	0.8	7.5	-2.1	-4.5	-8.8	-11.5	-12.7	-11.5	-14.6	-21.5	-19.9	-18.4	-20.5	-17.2	-11.2	3.1	14.7	12.5	1.9	-3.7
	27	0.8	0.8	1.7	2.7	2.9	-4.3	-7.3	-5.9	-4.7	-8.1	-11.9	-14.0	-13.6	-13.7	-11.9	-12.1	-12.4	-9.9	-11.1	-10.1	-8.1	-5.1	-4.0	-1.3	-6.7
	28	-0.7	-0.4	-0.1	-0.9	0.9	1.9	1.1	-0.1	-2.8	-6.5	-9.1	-13.9	-13.3	-12.1	-12.5	-10.6	-9.3	-8.1	-8.5	-10.0	-8.5	-8.1	-7.3	-6.1	-6.0
	29	-3.1	-1.3	1.4	2.0	1.9	2.0	1.5	0.5	-4.0	-6.8	0.9	-10.9	-13.6	-13.3	-12.4	-9.9	-8.8	-12.8	-10.9	-12.1	-10.3	-11.1	-8.5	-5.5	-6.0
	30	-3.7	-1.6	1.7	2.9	4.9	5.3	4.7	2.3	-2.3	-7.3	-13.3	-15.2	-14.8	-15.4	-10.9	-12.1	-11.1	-9.3	-14.1	-13.1	-10.9	-9.9	-7.9	-6.4	-6.6
31	-4.9	-1.6	-0.3	1.1	0.3	0.5	1.1	0.5	-0.8	-5.7	-12.5	-15.9	-17.3	-16.9	-14.5	-13.3	-13.5	-13.9	-14.3	-15.3	-10.0	-12.1	-12.3	-11.5	-8.5	
Среднее по всем		3.6	3.5	3.5	3.6	3.5	2.7	1.3	-1.2	-4.3	-7.9	-11.4	-14.2	-15.4	-15.5	-14.1	-13.8	-13.4	-13.4	-12.4	-11.5	-6.6	-4.3	2.2	2.4	-5.5
по Q		-3.4	-1.8	0.4	1.5	2.3	1.3	0.8	0.0	-3.2	-6.6	-8.4	-12.7	-14.5	-13.6	-11.8	-10.2	-9.2	-9.1	-9.1	-10.1	-8.8	-7.0	-5.9	-4.1	-6.0
по D		13.8	7.6	7.0	4.9	3.9	2.7	2.9	-3.8	-7.4	-10.4	-13.8	-15.5	-17.6	-20.6	-19.1	-21.1	-20.8	-19.3	-16.0	-13.0	-5.1	-1.0	28.8	23.0	-4.6

Мурманск
ЛОПАРСКАЯ
ИЮЛЬ 1972 Г.

Вертикальная составляющая $Z = 0.51300$ + 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.	
Q	1	44	51	41	46	48	44	37	35	47	49	49	49	56	71	49	46	87	81	54	40	34	44	40	38	49	
	2	53	44	40	40	30	39	40	32	34	35	40	39	44	48	47	50	50	48	47	41	37	32	-22	-146	31	
	3	-87	2	24	39	35	54	42	35	33	29	43	40	35	41	66	52	47	38	46	34	34	-3	1	11	29	
	4	30	36	40	40	34	49	40	32	34	34	45	45	40	44	48	54	56	40	40	45	35	-7	13	34	37	
	5	37	34	40	34	30	40	40	45	32	37	31	34	36	39	45	32	37	40	41	45	39	32	15	19	33	35
D	6	37	40	44	37	35	40	46	39	42	40	37	29	30	42	35	45	39	34	41	37	38	20	13	27	36	
	7	42	36	33	36	36	27	44	39	44	44	69	113	148	124	123	124	118	50	55	56	40	30	55	139	68	
	8	153	-33	-134	-112	-75	-16	40	50	68	74	98	76	79	79	116	117	81	50	58	47	45	44	43	38	41	
	9	18	40	56	56	52	44	50	55	52	44	60	62	56	67	86	86	63	40	55	45	48	19	-20	-8	47	
	10	4	29	39	40	54	49	55	47	46	43	44	50	61	68	82	59	52	71	40	34	-25	14	34	49	43	
Q	11	50	48	56	45	49	49	40	41	38	37	55	48	61	76	43	32	36	38	38	33	-35	14	33	36	40	
	12	40	36	27	17	33	36	45	42	43	49	55	60	90	143	113	100	97	60	50	56	40	-4	5	31	52	
	13	37	38	48	52	39	53	45	42	40	53	55	49	44	49	44	49	60	55	52	41	42	44	53	44	47	
	14	48	49	46	40	39	38	40	39	41	44	46	47	47	50	42	45	47	44	44	44	40	24	4	-8	-5	37
	15	6	14	-17	9	32	42	38	47	45	45	56	49	49	58	53	56	66	55	55	51	51	32	34	14	39	
Q	16	14	3	-31	-13	11	16	23	27	37	38	41	46	40	49	50	75	102	53	45	52	-60	-8	30	59	29	
	17	50	19	9	27	36	45	28	24	32	48	40	52	55	61	68	61	68	56	58	37	40	27	-64	-22	36	
	18	8	33	35	40	45	34	36	42	38	39	58	55	43	53	52	53	58	52	46	50	42	43	35	34	43	
	19	43	37	48	35	22	29	27	27	21	39	49	64	42	36	51	65	84	59	50	0	-49	-64	-96	-73	23	
	20	-4	37	47	47	45	40	37	40	40	37	49	56	49	42	48	55	53	60	40	32	37	36	36	30	41	
Q	21	32	21	24	34	34	36	33	32	45	36	32	40	53	44	42	42	47	44	39	38	37	35	42	39	38	
	22	32	40	49	47	47	36	41	41	34	36	53	49	39	40	41	40	55	47	49	47	-25	9	-7	40	37	
	23	48	46	46	53	42	49	32	30	50	45	69	86	88	93	122	104	108	90	74	56	40	45	40	33	62	
	24	21	33	35	45	50	47	28	37	46	35	53	84	76	102	160	138	102	82	75	64	39	191	195	257	83	
	25	269	81	-29	-12	24	73	89	93	108	113	134	142	140	110	2	76	73	59	66	1	26	45	86	-55	71	
D	26	-147	-122	24	47	40	55	68	68	92	76	64	73	107	108	94	118	76	49	62	44	27	52	-26	-32	42	
	27	-13	37	50	36	39	50	66	59	52	57	52	81	81	91	85	66	85	66	48	58	45	36	36	23	53	
	28	11	30	23	24	47	61	58	61	70	65	65	80	71	76	96	90	89	66	58	53	42	55	45	25	57	
	29	30	40	42	52	43	50	42	37	48	46	52	61	53	55	63	58	77	57	61	50	45	47	40	38	49	
	30	50	45	46	50	53	39	37	42	42	36	40	38	40	56	53	55	50	38	46	44	47	43	38	41	44	
31	36	32	40	41	35	50	42	32	38	40	39	49	38	34	41	34	32	35	40	36	40	40	47	39	11	38	
Среднее по всем по Q по D дням		32	28	27	31	35	42	43	42	46	46	54	60	61	66	66	67	68	53	51	42	26	30	25	25	44	
		37	36	40	42	37	43	41	36	42	42	44	47	47	49	45	46	54	48	48	42	36	29	29	30	41	
		47	15	22	34	38	50	52	53	68	63	78	100	112	107	100	112	95	66	66	44	34	73	70	68	65	

Лурманск
ЛОПАРСКАЯ
АВГУСТ 1972 г

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

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.
D D D	1	-129	-176	-111	-97	-30	7	45	52	40	41	-6	32	60	72	31	72	62	49	35	37	38	46	28	-76	5
	2	-124	-37	11	65	76	57	43	27	24	4	13	21	28	32	55	63	78	80	72	49	43	37	49	52	34
	3	56	56	55	48	44	32	16	19	18	21	4	24	48	67	63	56	75	74	62	55	46	44	46	45	45
	4	53	56	-17	-194	-11	-206	-249	-42	81	62	26	27	125	90	370	210	111	-5	-263	-423	-373	-182	-162	-116	-43
	5	-460	-733	-491	-267	-550	-510	101	79	64	22	120	219	136	188	81	-112	79	-56	96	-239	-426	-314	-201	-150	-138
D D	6	356	365	387	89	162	109	-124	21	15	130	163	224	288	223	175	166	99	68	-114	-4	-372	-395	-192	-104	72
	7	-103	-346	-210	-211	-61	-18	44	45	54	64	55	57	86	78	125	142	89	70	54	18	13	3	2	34	3
	8	39	31	37	31	29	22	13	13	4	4	11	21	35	39	86	78	66	70	42	21	15	-9	-20	-76	25
	9	-172	-36	69	-4	-78	-135	-200	-75	87	192	295	203	189	114	62	119	19	23	45	29	-10	-226	-105	-10	16
	10	6	21	25	24	20	7	13	-2	13	16	35	120	171	153	136	88	48	45	23	13	-137	-276	-325	-216	1
Q	11	-121	-88	-42	-53	37	24	16	8	16	33	35	6	57	70	45	71	29	72	41	24	-59	-168	-64	-78	-4
	12	2	35	36	37	22	19	15	13	13	7	9	25	24	37	41	52	52	86	68	42	34	27	8	6	30
	13	32	39	43	38	32	23	24	24	18	11	11	16	24	32	38	49	76	122	52	38	38	34	40	38	37
	14	30	-8	35	42	38	34	22	18	13	11	38	46	18	14	55	55	71	65	75	40	35	-6	11	24	32
	15	37	40	35	35	34	-6	-28	-14	-19	2	9	29	34	38	38	37	38	45	46	60	40	34	34	34	26
D	16	35	34	34	44	44	35	34	36	7	0	7	36	43	89	132	98	60	63	54	42	40	35	35	35	45
	17	36	36	37	47	46	40	35	32	20	14	-1	22	46	71	96	67	67	63	60	48	40	35	35	24	42
	18	1	34	48	44	40	27	26	22	12	35	71	44	81	101	149	130	176	120	-9	-185	-146	-102	-212	-304	8
	19	-118	19	26	16	27	19	30	18	22	24	19	26	35	93	246	293	223	175	116	73	28	-25	-22	37	58
	20	22	52	57	52	38	49	32	13	2	11	22	32	43	84	120	171	155	79	43	-75	-116	-137	-260	-295	8
D D D	21	-107	11	55	59	19	16	30	26	18	14	11	27	38	76	106	126	96	81	76	22	34	-47	-122	-63	25
	22	-22	52	60	57	52	30	26	19	14	11	27	42	19	7	93	98	79	59	43	36	35	30	34	38	39
	23	43	43	46	44	42	34	25	11	2	-1	2	9	26	34	46	52	60	61	56	48	43	40	42	40	35
	24	40	43	43	46	42	40	16	11	1	-6	-3	19	38	52	65	87	71	71	60	52	44	40	33	32	39
	25	42	35	48	45	46	27	20	16	5	11	16	34	55	63	60	68	68	68	72	48	44	43	46	46	42
D	26	59	9	-112	14	7	-9	-14	-6	22	11	-3	-3	25	52	57	68	83	112	120	67	15	5	-30	31	24
	27	57	19	9	-1	-14	-46	-35	30	33	60	142	191	166	249	147	137	125	48	52	42	-23	1	32	14	60
	28	22	38	41	43	41	35	26	12	-6	2	6	14	52	121	83	55	52	93	44	18	7	-6	14	30	35
	29	35	32	28	24	27	27	24	16	11	18	19	30	19	68	80	98	60	55	47	-11	-6	-22	-10	-1	28
	30	-68	11	52	44	38	34	32	18	14	18	27	25	26	52	43	41	48	52	60	50	46	42	40	42	33
31	9	-19	14	38	36	24	1	-1	6	2	17	30	24	27	39	52	68	84	93	65	52	47	35	32	32	
Среднее по всем по D по D дням		-13	-11	14	6	9	-5	2	15	20	27	38	53	66	80	95	90	80	68	42	3	-30	-44	-37	-27	22
		43	43	47	44	41	31	20	16	9	7	6	20	38	50	54	62	70	80	55	47	43	41	41	42	40
		-40	-62	-2	-67	-87	-141	-89	-1	48	82	122	137	158	147	154	87	72	24	-38	-124	-234	-224	-129	-70	-12

Муромский
И О П А Р С К А Я
А В Г У С Т 1972 г.

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

Дни	Время миро- 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.	
DDQ	1	-15	-121	-124	-41	-63	-34	10	35	58	75	74	75	82	87	75	80	81	60	60	55	49	40	42	5	27
	2	-33	-39	-16	25	48	58	56	58	64	64	63	82	78	56	45	53	54	55	68	64	49	45	56	64	47
	3	45	53	42	45	41	48	41	35	47	54	50	45	48	66	81	70	61	52	60	47	44	43	45	45	50
	4	45	42	-20	174	337	160	3	-71	-37	10	34	30	50	119	98	83	80	80	66	75	61	133	420	478	102
	5	304	289	213	165	119	98	40	48	39	34	56	39	65	85	-121	-339	-282	-46	170	9	-96	202	158	175	59
D	6	232	65	79	118	-149	-227	-97	30	91	112	138	119	66	68	88	24	3	-11	-109	8	-23	-52	-96	-59	17
	7	30	-19	-60	-49	55	71	76	81	82	76	84	85	91	92	82	81	87	86	71	29	43	39	38	60	55
	8	71	60	56	66	58	61	53	45	47	52	55	55	66	66	65	86	76	58	39	27	24	11	-7	-12	49
	9	-110	-90	-17	-1	-23	-51	-20	-9	35	50	-163	55	91	84	81	38	9	60	86	49	76	75	-7	44	14
10	61	70	70	70	60	79	67	67	75	84	93	109	110	116	92	63	93	77	16	43	-25	-69	41	63	64	
Q	11	32	24	53	24	57	84	68	68	71	73	104	108	99	140	79	108	92	53	16	42	5	-119	-38	-36	50
	12	23	58	58	66	58	82	71	62	67	66	68	73	66	68	70	73	84	56	49	32	52	56	32	42	60
	13	53	66	58	62	66	66	62	52	53	54	67	70	58	68	68	53	76	85	73	62	62	63	49	60	63
	14	58	27	28	40	53	68	56	47	48	42	49	66	86	68	59	71	87	68	38	36	11	-7	21	62	49
	15	49	37	38	43	45	43	42	45	66	75	76	50	53	56	71	59	76	63	53	45	53	40	19	-8	50
D	16	24	34	20	31	55	54	47	46	56	54	61	68	61	81	93	81	81	76	69	39	23	58	47	56	55
	17	53	58	60	64	65	55	63	61	61	63	64	71	88	96	80	82	78	80	75	58	45	56	48	55	66
	18	16	23	45	55	66	55	55	63	70	70	84	113	85	109	125	115	114	68	29	60	13	94	127	115	74
	19	-4	9	30	44	35	53	55	53	62	53	55	64	63	82	122	63	86	-2	40	71	63	69	27	53	52
	20	46	52	71	58	53	53	55	60	55	63	68	87	86	82	122	108	94	82	40	21	121	108	40	-34	66
DDQ	21	-61	-55	28	66	71	71	76	71	70	73	79	102	86	101	124	122	97	71	71	-29	36	-13	-80	-36	48
	22	-40	29	58	61	66	60	71	65	82	86	70	86	109	110	108	108	107	81	58	47	50	61	60	62	69
	23	65	59	66	66	71	66	61	62	74	60	66	61	68	69	69	59	71	67	71	50	53	56	51	66	64
	24	64	54	60	63	63	65	53	47	53	54	66	61	62	68	81	82	72	73	66	58	53	50	53	47	61
	25	58	45	47	62	55	54	48	50	60	68	81	82	93	111	123	101	101	69	59	59	50	56	57	53	68
D	26	65	22	-55	-36	-10	4	41	50	56	55	60	56	50	61	78	86	87	76	76	63	43	32	-8	13	40
	27	58	40	29	-8	-7	34	63	110	121	128	127	151	164	147	143	108	88	84	79	71	13	40	45	39	78
	28	47	67	75	64	56	63	69	61	66	73	86	83	91	108	107	90	82	84	3	29	19	17	10	58	63
	29	65	56	63	53	65	69	67	70	69	70	73	78	80	69	106	111	75	70	55	18	14	12	35	30	61
	30	15	34	57	63	63	69	59	55	50	57	75	72	68	73	86	75	66	56	59	49	39	43	42	56	58
	31	50	-18	-18	11	30	45	50	55	53	50	50	49	57	55	58	50	55	52	79	52	56	50	46	57	45
Среднее по всем по Q по D дням		44	43	35	49	50	48	47	51	60	64	65	76	78	86	82	66	65	61	54	43	35	41	44	54	56
		57	55	55	60	59	60	53	49	57	58	66	64	66	76	84	73	76	69	66	55	53	53	51	55	61
		104	75	66	104	68	9	-1	12	39	55	30	65	73	93	51	-21	-22	33	43	34	7	75	97	139	51

Луриссант

И О П А Р С К А Я

С Е Н Т Я Б Р Ъ 1972 Г.

Магнитное склонение $D = I2^{\circ}$ + табличное значение в минутах

Широта $68^{\circ}15$

Долгота $33^{\circ}05$

Д н и	Время Миро- вое	Часы																								Средн. суточн.
		I	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Q	1	-4.5	-0.8	1.0	1.9	2.6	1.0	-4.2	-4.6	-6.4	-10.0	-13.5	-11.3	-12.0	-9.8	-9.0	-8.2	-8.0	-9.0	-9.6	-7.5	-7.2	-6.8	-6.4	-4.6	-6.1
	2	-4.0	-2.4	-0.4	1.3	0.6	-0.9	-1.4	-2.3	-7.2	-11.6	-11.6	-13.6	-13.4	-10.0	-7.5	-10.6	-14.2	-11.8	-10.8	6.4	-2.6	-4.1	9.4	21.0	-4.2
	3	5.5	1.0	-1.4	-0.6	0.2	0.7	0.1	-1.7	-6.5	-10.4	-12.5	-11.6	-9.9	-7.7	-6.5	-6.9	-8.6	-10.4	-10.2	-4.4	3.4	4.0	-2.6	-4.0	-4.2
	4	-5.0	-2.7	-1.4	-1.7	-1.2	-0.6	-1.2	-3.2	-5.1	-7.2	-8.7	-11.6	-8.4	-8.2	-7.4	-8.8	-10.4	-10.8	-11.6	-10.8	-9.8	-7.8	-5.3	4.8	-6.0
	5	-1.2	-0.5	-1.0	-0.5	-1.2	-2.6	-2.1	-3.4	-6.8	-8.6	-13.6	-13.6	-11.6	-8.8	-8.6	-9.2	-11.8	-12.5	-14.3	-12.2	-7.0	-3.8	-5.8	-4.1	-6.9
	6	-2.2	9.4	13.0	2.0	1.4	-0.2	-2.2	-4.0	-9.3	-11.8	-13.7	-14.0	-11.8	-9.9	-4.8	-5.6	-8.9	-7.4	-11.0	-9.5	-10.4	-7.4	-5.0	-5.6	-5.4
	7	-4.8	-4.0	-2.2	0.8	2.2	-2.6	-2.8	-4.6	-7.0	-9.8	-12.0	-18.8	-11.8	-7.0	-7.4	-6.8	-9.2	-9.6	-10.0	-9.4	-9.4	-10.2	-8.6	-7.6	-7.2
	8	-5.3	-5.6	-4.0	-2.2	-1.4	-2.1	-3.2	-6.0	-10.2	-13.4	-17.8	-18.5	-15.2	-13.8	-14.2	-7.0	-7.2	-3.6	-3.6	6.7	17.4	17.0	24.2	10.4	-3.3
	9	-4.5	-4.0	-1.8	-2.0	-2.2	-8.0	-6.4	-8.8	-11.8	-14.9	-17.9	-15.4	-15.4	-9.6	-6.8	-5.4	-6.6	-7.7	-9.8	-9.2	-5.3	-1.4	3.8	-2.2	-7.2
	10	1.0	7.3	7.0	0.4	-0.5	1.0	-0.5	-5.8	-7.7	-12.5	-15.8	-16.1	-11.3	-11.6	-12.6	-9.2	-8.3	-15.4	-20.2	-24.5	-11.8	-4.5	13.6	2.7	-6.5
DDD	11	-3.0	-1.4	-2.2	-2.6	-4.0	-6.4	-4.5	-7.4	-8.6	-10.6	-17.6	-15.4	-14.6	-17.6	-13.0	-11.3	-11.4	-7.7	-7.6	-8.4	-6.4	-0.5	-2.6	-4.6	-7.9
	12	-3.4	2.0	-0.6	0.2	0.8	-2.2	-5.2	-5.7	-8.4	-11.2	-11.6	-11.4	-10.6	-8.0	-6.6	-6.8	-7.6	-8.4	-8.9	-7.6	-7.2	-6.5	-4.2	-2.2	-6.1
	13	-2.2	-0.2	-0.4	-1.4	-1.6	-1.7	-2.6	-4.2	-9.2	-11.8	-12.0	-13.2	-17.3	-34.1	-46.1	-47.8	-22.6	-22.6	45.6	69.2	31.0	9.2	95.4	50.0	2.1
	14	26.8	-0.4	39.8	43.8	59.8	15.8	-6.5	-5.3	-2.2	-3.8	-6.0	-5.3	-5.0	-4.8	-3.6	-5.3	-1.6	-4.1	-2.9	24.2	19.8	3.8	16.0	7.8	8.4
	15	11.0	6.7	7.9	7.8	1.6	-1.5	-3.4	-7.2	-8.3	-8.4	-8.1	-13.0	-12.8	-10.0	-9.0	-7.2	-8.2	-8.3	3.7	-6.4	-5.1	-2.1	9.2	21.7	-2.1
D	16	17.0	6.2	0.8	3.2	-0.8	-0.8	-2.7	-2.2	-3.4	-9.0	-8.8	-8.2	-7.0	-9.2	-9.2	-10.4	-13.2	-0.9	-8.2	-7.6	6.4	42.0	29.0	63.8	2.8
	17	62.6	29.0	3.2	3.8	-0.2	-8.9	-8.0	-7.6	-5.3	-5.8	-10.2	-14.2	-17.3	-9.8	-7.4	-10.8	-8.2	4.4	1.4	11.0	20.6	18.8	12.0	36.8	3.7
	18	12.4	17.2	12.2	2.6	-2.2	-4.6	-2.8	-9.4	-13.6	-13.0	-13.6	-10.6	-8.2	-8.0	-1.7	-4.6	-5.3	-5.8	-3.4	2.6	-0.6	-0.3	-1.6	-2.8	-2.7
	19	-3.4	-2.2	-1.5	-1.0	-2.2	-2.2	-3.4	-3.4	-3.4	-6.5	-9.2	-10.6	-10.6	-9.0	-5.0	-4.6	-5.7	-7.0	-7.6	-6.4	-5.3	-5.8	-5.8	-5.3	-5.3
Q	20	-3.8	-2.2	-2.0	-1.2	-1.7	-1.0	-1.8	-3.2	-5.2	-6.6	-7.4	-9.0	-9.4	-7.4	-6.0	-6.4	-6.3	-6.6	-6.6	-6.2	-2.2	-2.0	-4.6	-5.6	-4.8
QQ	21	-4.4	-4.1	-3.8	-3.8	-2.6	-1.6	-1.8	-2.6	-4.0	-7.4	-9.0	-11.6	-10.4	-8.8	-7.6	-7.0	-7.7	-7.6	-7.0	-6.6	-6.0	-5.3	-5.6	-5.7	-5.9
	22	-4.6	-4.6	-3.8	-3.4	-2.6	-1.0	-0.5	-1.0	-2.6	-6.0	-8.6	-9.4	-11.8	-10.6	-9.4	-9.2	-9.2	-11.8	-13.0	-6.4	-1.0	5.2	0.8	-0.5	-5.2
	23	-3.0	-2.0	-2.2	-3.0	-0.6	0.2	0.2	-1.8	-4.0	-7.4	-13.6	-16.5	-18.4	-19.7	-18.9	-24.3	-16.0	-9.4	4.4	9.4	5.5	7.4	18.2	14.6	-4.2
	24	8.0	-4.0	-2.9	-1.0	-2.6	-4.6	-7.6	-4.8	-9.4	-13.4	-10.5	-15.2	-11.8	-15.4	-19.0	-20.2	0.2	-6.0	-6.4	-5.4	26.6	20.0	17.6	9.4	-3.3
	25	-0.4	0.2	-3.2	-3.4	-4.6	-3.4	-4.1	-4.1	-5.2	-9.2	-12.6	-8.9	-8.8	-8.2	-7.0	-7.0	-7.2	-7.4	-7.7	-6.9	-6.3	-5.8	-5.8	-4.4	-5.9
D	26	-4.0	-4.0	-4.8	-5.6	-4.2	-6.0	-3.8	-5.0	-4.0	-5.3	-9.2	-11.6	-14.1	-16.8	-13.6	-7.7	-8.0	-9.4	-6.5	-5.4	11.4	5.7	-1.0	0.0	-5.5
	27	3.1	0.8	1.4	0.7	0.2	-1.0	-4.0	-6.2	-7.4	-10.2	-12.0	-13.0	-14.8	-16.1	-11.4	-16.4	-11.8	-8.6	-1.0	-7.5	-7.8	-6.8	-5.6	-4.0	-6.6
	28	-2.6	-2.6	-0.6	-1.0	-2.1	-3.2	-4.6	-6.5	-7.8	-9.0	-10.2	-11.2	-11.0	-9.4	-7.4	-6.5	-7.8	-9.4	-9.4	-6.2	17.8	41.4	40.8	32.0	0.1
	29	26.8	30.2	10.5	-1.0	-3.8	-6.2	-5.6	-7.7	-13.1	-11.9	-13.0	-18.8	-15.8	-16.0	-14.1	-12.3	-13.1	1.4	-11.8	5.0	30.4	35.8	17.4	7.9	0.0
	30	13.4	19.6	11.4	1.4	-2.6	-6.5	-7.0	-6.9	-6.9	-5.2	-7.0	-7.2	-8.1	-7.7	-7.4	-6.8	-7.1	-7.7	-7.4	-6.3	-3.4	-4.5	-4.4	-2.7	-3.2
Среднее по всем		4.0	2.6	2.3	1.2	0.8	-2.0	-3.4	-4.9	-7.0	-9.4	-11.6	-12.6	-12.0	-11.4	-10.3	-10.3	-9.0	-8.0	-5.7	-1.5	2.5	4.2	7.8	7.2	-3.6
по D		-3.7	-2.4	-1.9	-1.4	-1.1	-1.0	-2.1	-3.0	-5.0	-7.7	-10.4	-11.0	-11.0	-9.1	-8.1	-8.0	-8.6	-9.5	-10.1	-7.8	-4.7	-2.5	-4.3	-4.1	-5.8
по дням		25.0	13.1	12.2	10.6	11.2	-0.5	-5.2	-6.4	-7.6	-8.3	-9.9	-12.9	-13.6	-14.9	-16.0	-16.7	-10.7	-5.8	7.2	20.6	19.3	13.1	30.0	24.8	2.4

Липицкая

ЛОПАРСКАЯ

СЕНТЯБРЬ 1972 г.

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.
Q	1	41	28	38	42	49	59	48	49	38	64	69	70	74	84	68	68	78	71	61	19	6	-4	-14	20	47
	2	22	36	40	26	34	43	38	39	55	56	74	74	85	79	95	65	92	97	78	17	27	22	-5	-93	46
	3	-24	28	59	57	57	60	44	44	47	64	61	71	53	72	48	51	58	48	58	18	-48	-12	34	59	42
	4	48	42	50	51	41	48	43	41	45	41	36	45	37	44	40	48	48	48	51	55	54	45	47	37	12
Q	5	12	26	46	41	38	47	50	43	48	43	38	58	62	47	53	42	44	48	48	50	34	36	51	33	43
	6	28	-50	-68	26	51	39	41	42	45	56	52	45	58	42	51	53	59	34	40	42	48	34	38	58	36
	7	44	58	45	54	51	34	47	52	38	45	47	70	76	62	34	37	43	46	37	42	41	48	37	47	47
	8	41	38	52	50	43	48	38	37	35	47	51	79	118	123	132	90	89	54	40	-5	-61	-90	-58	-88	38
	9	28	39	40	47	44	39	37	43	43	61	67	80	85	94	87	64	67	55	54	45	33	7	-77	-19	44
	10	1	-27	5	32	44	46	45	38	31	42	53	56	51	56	43	66	69	58	53	34	44	51	30	16	39
DD	11	16	53	46	48	46	40	39	43	44	64	111	115	102	100	115	95	89	53	59	53	11	-7	22	42	58
	12	54	53	55	38	51	56	54	53	56	53	54	67	79	60	57	53	54	44	42	45	46	43	17	30	51
	13	43	37	28	44	44	43	57	43	47	58	44	45	41	58	33	-108	73	78	165	249	202	328	443	180	95
	14	84	63	161	293	216	114	42	60	74	79	79	77	79	79	90	98	37	38	59	-115	-89	-10	39	-51	67
	15	-31	33	35	7	-4	58	53	56	82	96	116	136	136	136	105	77	105	54	37	58	68	58	80	-11	64
D	16	-62	-27	38	39	80	63	59	68	90	101	85	79	61	66	65	66	69	11	-20	46	119	80	154	-135	50
	17	21	37	-84	-10	22	47	58	68	67	59	63	89	120	125	73	79	89	33	-20	41	94	-9	-10	58	46
	18	-101	-68	-82	-11	37	58	73	73	88	108	108	108	104	70	84	83	58	64	58	47	-20	-10	1	21	40
	19	36	46	47	60	53	58	64	60	58	58	73	68	84	72	89	74	84	72	66	57	42	42	47	63	61
Q	20	61	58	56	48	52	49	54	54	39	53	61	64	74	80	74	63	56	57	57	61	43	26	32	54	55
	21	47	47	48	54	59	57	52	47	51	59	54	61	76	62	70	64	78	53	52	43	59	44	58	62	57
	22	47	59	49	58	51	59	48	47	48	48	57	53	55	57	57	53	56	73	74	38	46	22	37	46	52
	23	51	60	60	53	48	50	58	54	51	57	43	55	85	137	137	120	92	28	44	14	-13	22	0	-55	52
	24	-4	60	58	48	60	68	61	58	69	71	90	73	72	84	116	103	69	63	76	51	-54	-86	-20	-76	46
25	21	38	58	42	59	52	60	58	47	56	63	68	63	65	64	58	60	54	53	54	53	43	53	27	53	
D	26	41	38	37	44	42	42	45	48	54	64	66	80	95	106	143	100	81	83	77	28	17	22	38	10	58
	27	-46	-1	10	13	37	43	59	64	52	58	66	78	94	111	119	125	121	93	31	47	54	47	54	48	57
	28	35	37	34	53	53	58	52	47	48	47	60	54	74	74	77	66	71	63	48	40	-44	-128	-27	46	39
	29	16	40	-15	23	0	40	63	72	104	90	95	106	125	99	77	64	51	-64	58	139	121	-97	-9	1	50
	30	-35	-63	-22	-14	12	42	37	51	59	60	58	64	66	63	58	59	63	64	62	60	70	46	56	21	39
Среднее по всем		18	27	31	45	49	52	51	52	55	62	66	73	79	80	78	66	70	53	53	46	33	21	38	14	50
по DD		42	44	47	49	50	54	50	48	45	53	56	61	68	66	64	58	62	60	58	42	38	25	33	43	51
по DD		27	42	25	71	56	60	55	60	75	76	79	91	100	99	76	42	71	28	60	74	79	54	109	35	64

ЛОПАРСКАЯ
ОКТАБРЬ 1972 Г.

Горизонтальная составляющая $H = 11800$ + 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.	
Q	1	-43	-34	I	49	54	55	48	43	35	30	27	22	24	33	35	43	57	52	45	52	44	42	40	34	33	
	2	45	44	42	42	42	43	42	40	33	27	24	25	30	34	42	45	43	46	52	66	58	48	22	40	41	
	3	48	44	45	43	42	42	42	35	33	26	18	19	19	25	32	36	44	49	45	43	46	43	50	27	-15	35
	4	-105	-17	43	43	42	36	34	27	19	11	24	11	19	24	27	33	38	43	42	42	43	43	43	43	43	25
Q	5	42	37	42	43	42	41	34	23	8	2	9	18	26	30	33	35	40	43	43	43	45	48	48	45	34	
Q	6	42	42	43	43	41	37	33	24	11	11	16	24	32	34	35	38	43	45	49	50	36	42	43	43	36	
	7	43	43	42	42	41	39	32	20	19	7	18	18	27	29	35	38	44	46	48	52	46	43	-36	-181	23	
	8	-6	42	42	42	43	38	32	22	18	18	19	24	29	34	38	42	45	50	76	22	49	54	50	49	36	
	9	49	49	48	47	44	42	33	27	20	18	18	23	32	35	42	43	49	52	72	-15	-6	-1	-7	19	31	
Q	10	22	33	56	52	52	46	42	38	27	22	17	19	32	44	50	43	66	123	60	43	35	-60	-132	-118	25	
D	11	-239	-186	-123	17	19	17	-14	-8	60	33	25	75	132	171	130	125	68	90	73	59	35	42	44	38	28	
	12	43	41	42	40	35	35	33	32	30	25	21	35	68	131	127	82	83	16	-42	-454	-185	-163	-403	-585	-38	
	13	-272	-209	-58	71	67	64	57	46	41	34	34	38	43	71	84	64	94	91	88	-137	-205	-174	-164	-58	-12	
	14	-352	-198	17	27	22	32	41	58	42	58	60	35	38	75	137	17	73	95	32	24	2	16	-33	30	14	
	15	38	35	36	39	40	33	38	32	19	17	21	30	24	29	55	49	42	52	66	-42	-155	-245	-350	-276	-16	
Q	16	-9	42	29	-15	16	49	52	29	25	32	35	49	111	76	79	76	43	35	34	40	34	19	6	-17	36	
	17	9	32	43	45	48	47	43	35	26	19	16	25	29	32	42	48	46	47	47	48	40	34	43	46	37	
	18	43	43	44	44	38	38	43	35	19	30	60	53	46	16	22	30	32	34	44	43	32	-9	-415	-411	-2	
	19	-287	-155	-326	-116	-14	18	7	23	94	175	140	142	177	84	132	118	55	-7	-8	-171	-145	7	34	7	-1	
Q	20	7	-24	26	42	43	25	25	18	19	26	17	42	35	48	42	72	101	60	-202	-32	-40	4	-120	-42	8	
D	21	-4	36	43	40	35	24	12	0	16	38	25	40	58	82	67	69	84	-32	-55	11	-147	-64	-38	27	15	
	22	-23	21	50	48	49	43	32	22	18	16	32	81	95	67	76	117	116	75	60	-227	-219	-365	-245	11	-2	
	23	40	25	-7	2	50	49	35	35	19	1	16	58	72	122	205	190	131	54	57	-35	-203	-178	-30	-82	26	
	24	-49	19	17	36	57	36	35	26	28	17	16	28	34	52	74	132	142	118	55	26	-47	-165	-41	35	28	
	25	40	43	46	45	44	43	33	24	16	18	34	62	65	75	48	37	33	36	38	43	35	29	-19	-30	35	
D	26	36	38	40	45	50	45	28	23	27	33	27	34	33	48	44	49	43	49	59	-17	-25	-15	-75	-135	20	
	27	-156	25	48	47	45	45	40	33	27	24	24	22	26	40	58	75	77	99	77	49	35	44	42	41	37	
	28	28	27	33	41	40	1	-1	17	22	25	46	35	14	21	27	26	27	29	32	32	34	26	-46	-88	19	
	29	0	15	45	43	40	18	82	52	28	57	13	158	48	142	181	84	68	40	26	-17	-70	-17	-178	-146	30	
	30	-170	9	36	35	26	-6	0	18	33	71	52	175	291	153	35	45	36	25	59	32	28	18	-47	-116	35	
	31	-78	20	38	42	35	32	26	22	18	19	22	27	34	33	33	35	41	90	-288	-302	-248	-46	18	-107	-20	
Среднее																											
по всем		-39	-1	17	34	40	36	33	28	27	30	30	47	56	61	67	63	61	53	25	-20	-33	-29	-62	-61	19	
по Q		27	39	43	43	43	41	35	27	18	14	16	22	28	32	37	41	45	46	52	42	43	46	42	33	36	
по D		-198	-105	-57	13	30	33	43	40	45	69	54	80	68	81	113	64	66	62	-30	-121	-133	-43	-65	-55	2	

ЛОПАРСКАЯ
ОКТАБРЬ 1972 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.
Q	1	4	-22	-50	11	33	51	48	53	54	61	58	67	55	55	54	54	70	54	60	65	65	52	50	31	43
	2	51	53	50	59	52	51	60	63	56	52	59	60	69	63	69	64	72	56	47	63	73	69	59	39	59
Q	3	46	47	54	54	68	53	55	50	56	54	59	64	50	66	56	53	63	64	59	51	54	54	31	6	53
	4	-23	-52	30	57	64	65	68	59	64	78	80	78	67	54	60	59	57	60	51	54	59	52	55	56	52
Q	5	65	54	49	53	65	43	59	58	68	51	54	60	47	63	61	56	48	64	48	51	47	28	40	59	54
Q	6	60	59	55	56	58	56	60	59	68	51	54	60	45	64	60	56	50	64	48	51	45	28	40	58	54
	7	60	60	54	58	59	56	42	41	44	39	37	41	37	51	48	34	43	37	33	35	37	48	9	-5	41
Q	8	2	58	53	55	53	53	60	68	59	58	59	58	56	61	59	56	60	68	45	-30	4	47	54	65	49
	9	51	62	56	48	66	58	56	52	59	56	58	63	56	61	54	61	71	53	59	-21	-22	-34	-40	2	41
Q	10	17	31	41	58	54	59	53	47	54	54	66	74	73	92	105	70	95	74	71	51	27	-41	-116	-125	41
D	11	-33	-16	-107	-19	-30	13	54	52	69	87	144	143	112	118	125	113	100	102	84	77	48	58	61	64	59
	12	61	61	54	61	59	64	50	51	52	56	57	61	94	134	120	90	-41	-16	-39	-150	58	40	9	47	43
D	13	-253	-149	-70	45	72	78	63	72	71	74	105	91	80	99	134	87	105	87	84	-68	64	222	88	4	49
	14	37	-27	-41	21	30	52	82	83	74	118	116	91	84	95	97	56	-10	73	14	43	45	11	-39	35	47
D	15	53	61	64	58	63	70	60	64	61	71	70	80	87	89	100	93	69	78	18	-83	-30	3	53	94	56
Q	16	5	71	41	22	36	59	71	67	80	73	91	114	125	125	103	59	80	80	66	36	41	22	-5	-5	61
	17	16	58	56	60	61	64	59	59	64	64	66	64	71	64	36	39	51	35	45	45	1	4	17	32	47
D	18	37	51	53	37	37	55	55	59	61	69	105	106	92	104	88	73	71	56	43	48	50	93	42	-57	59
	19	-145	9	-240	-90	-30	-9	42	79	98	95	100	123	136	140	103	80	89	5	18	-10	-83	-14	39	38	24
Q	20	32	25	27	54	54	54	56	74	82	103	85	82	88	86	88	98	90	12	-58	-4	8	11	32	0	49
D	21	6	38	64	48	48	42	58	69	79	83	73	91	44	108	105	101	82	-96	-35	4	-35	-71	-35	-1	36
	22	34	47	58	66	60	60	59	64	70	73	80	122	135	109	144	149	88	51	41	93	23	-57	6	30	67
D	23	44	53	48	32	64	69	58	68	93	95	90	100	102	143	137	137	96	89	82	-24	-137	-44	4	22	59
	24	16	32	39	50	48	51	71	74	72	73	71	82	85	85	111	124	123	91	64	59	28	47	-29	56	63
Q	25	65	64	62	71	59	71	64	65	68	73	88	116	114	113	115	95	88	82	64	54	26	22	6	6	69
D	26	42	61	52	53	54	68	59	63	66	85	94	97	99	114	121	112	77	77	64	20	22	26	68	2	66
	27	-59	9	51	67	60	58	59	56	61	74	59	66	74	61	77	103	95	93	100	77	76	62	58	64	62
D	28	48	45	51	57	51	21	19	33	60	88	129	102	78	63	66	64	67	56	63	56	57	33	9	57	
	29	-2	5	38	57	60	53	85	111	103	112	139	157	164	152	106	22	126	94	67	59	12	11	91	17	77
D	30	-12	22	50	34	61	66	57	76	97	127	153	135	87	125	111	102	91	80	90	64	69	71	47	-5	75
	31	-35	32	61	57	66	63	68	74	79	72	69	72	69	69	80	69	71	41	-5	-100	74	71	194	184	62
Среднее по всем дням		9	29	26	44	50	54	58	63	69	75	83	88	83	91	90	78	72	57	45	22	26	31	30	27	54
по Q		38	55	53	56	61	54	59	59	63	55	59	61	53	64	54	52	54	59	49	34	30	32	37	44	51
по D		-80	-26	50	48	40	47	68	84	85	94	106	107	107	111	104	63	76	60	36	-15	22	60	75	56	56

Д О П А Р С К А Я
НОЯБРЬ 1972 Г.

Магнитное склонение $D = I2^{\circ}$ + табличное значение в минутах

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

Ч И И	Время миро- вое																									Средн. суточн.
		I	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
D	1	21.6	29.6	-	-	50.4	28.1	16.8	12.6	13.6	-19.6	-18.4	-15.6	-25.8	24.4	-0.3	3.0	3.6	1.2	-2.6	-0.6	-0.8	-3.2	-3.4	3.6	3.2
	2	13.3	31.2	6.0	9.6	-2.0	-0.8	-1.0	-1.2	1.4	-7.2	-4.4	-3.2	-4.8	-4.7	-6.2	-8.4	-6.7	58.6	9.6	51.5	36.0	41.6	102.8	-0.6	12.9
	3	102.0	21.6	2.4	-2.0	-5.8	-5.6	-2.4	-2.4	-2.9	-2.2	-2.9	-4.8	-4.6	-4.8	-5.3	-4.8	-4.8	-4.3	-5.3	-3.6	-5.2	-1.0	2.4	2.0	2.3
	4	2.4	0.7	1.0	-2.4	-4.7	-3.6	-3.8	-3.5	-4.3	-5.4	-5.4	-6.2	-5.4	-6.2	-7.0	-7.6	-9.6	-8.2	-7.4	-5.4	-7.2	-13.2	-0.7	-5.6	-4.9
	5	-0.8	-1.6	-2.2	-2.8	-2.8	-3.4	-4.3	-4.3	-4.3	-4.8	-5.4	-6.2	-5.4	-6.0	-6.2	-6.2	-6.2	-6.6	-6.8	-6.2	-5.7	-5.4	-3.2	-1.6	-2.8
Q	6	-4.1	-3.6	-2.2	-2.8	-3.6	-3.6	-4.3	-4.8	-6.3	-8.3	-6.6	-7.4	-8.6	-8.3	-9.4	-9.2	-10.0	-6.8	-4.8	-5.6	-5.7	-4.2	-4.8	-3.4	-5.8
	7	-5.2	-4.8	-4.6	-4.4	-4.0	-4.0	-4.9	-5.6	-8.2	-7.3	-7.2	-14.0	16.0	-8.6	-5.4	-7.0	-8.2	-7.2	-7.4	-1.8	6.0	20.9	8.4	21.6	-3.3
	8	0.8	-2.4	-4.8	-7.4	-4.8	-5.4	-5.3	-5.2	-5.8	-8.0	-6.6	-8.0	-5.8	-6.2	-7.2	-0.3	-3.4	-4.4	-3.0	-1.6	-2.8	-4.8	-1.2	1.6	-4.2
	9	-3.6	-4.8	-5.3	-5.8	-5.6	-5.6	-7.6	-7.4	-5.4	-6.7	-9.2	-11.2	-13.4	-11.4	-11.8	-10.0	-8.4	-7.2	-5.8	-5.2	1.2	11.2	1.8	1.2	-5.7
	10	-3.0	-3.8	-4.8	-5.4	-5.8	-6.8	-6.2	-6.2	-7.2	-7.3	-7.6	-9.1	-7.9	-10.0	-7.6	-7.8	-6.7	-5.6	-5.4	-5.8	-6.0	-5.2	-4.1	-4.3	-6.2
D	11	-2.4	-2.4	-5.2	-7.4	-8.6	-8.4	-8.4	-8.2	-8.6	-8.8	-9.2	-10.3	-10.4	-10.6	-14.8	-19.2	-14.8	-10.6	-10.4	1.8	-2.6	-5.2	-4.0	-5.3	-8.1
	12	-7.0	-4.0	-4.3	-6.7	-6.7	-7.0	-5.8	-6.6	-7.9	-8.9	-10.2	-12.6	-9.6	-9.1	-8.9	-8.2	-5.6	-7.2	-7.9	-6.8	-6.2	-5.9	-5.6	-5.2	-7.2
	13	-5.2	-7.0	-6.2	-5.2	-5.6	-5.8	-5.2	-4.8	-5.4	-7.2	-8.4	-9.1	-9.0	-9.1	-8.4	-9.1	-8.4	-8.2	-7.4	-5.3	-4.6	-4.4	-6.0	-5.2	-6.7
	14	-5.2	-4.7	-4.4	-5.8	-6.2	-7.0	-5.8	-5.8	-8.2	-10.0	-9.8	-10.2	-9.6	-8.3	-9.2	-9.6	-9.4	-2.0	-8.2	-6.7	-5.4	-5.8	-4.4	-10.0	-7.2
	15	-5.3	-6.2	-5.8	-6.6	-5.6	-8.4	-9.0	-10.8	-11.4	-10.8	-12.5	-12.8	-15.1	-15.0	-22.0	-34.9	-34.8	-15.6	-8.6	21.6	16.1	10.2	23.4	43.6	-5.7
D	16	23.6	13.2	-2.8	-3.4	-5.4	-15.4	-11.2	-7.2	-8.2	-13.6	-16.4	-14.0	-26.8	-21.4	-10.8	-12.4	13.6	6.8	-1.2	2.4	15.0	15.0	27.6	15.7	-1.6
	17	-3.2	-1.8	-5.2	-5.8	-8.8	-10.0	-8.4	-8.4	-7.2	-8.4	-9.6	-10.2	-12.0	-11.4	-14.4	-4.8	-7.0	-5.8	-1.8	10.2	25.8	8.4	-2.4	-1.6	-4.3
	18	-4.8	-4.4	-4.8	-9.0	-8.4	-8.6	-8.5	-7.6	-7.1	-7.9	-9.6	-10.0	-7.6	-8.0	-3.8	-1.6	-9.8	-3.8	6.2	-5.7	-4.7	-3.6	-3.0	-3.6	-5.8
	19	2.4	1.2	-5.2	-2.4	-8.3	-8.3	-7.6	-5.7	-6.2	-9.4	-11.5	-11.4	-12.4	-10.1	-8.8	-8.4	-10.0	-7.3	-5.8	1.2	7.2	10.8	-3.4	-0.8	-5.0
	20	-5.8	12.0	-3.8	5.8	-9.5	-6.2	-7.6	-7.2	-4.7	-10.7	-14.6	-10.2	-10.2	-15.1	-7.4	-20.2	-13.2	-5.6	51.2	37.8	-4.4	-0.3	2.4	3.2	-1.8
Q	21	-3.2	-5.4	-2.2	-4.8	-9.4	-7.6	-4.0	-3.1	-4.0	-5.6	-7.8	-7.9	-7.6	-7.4	-7.0	-6.2	-7.2	-1.4	-3.8	-2.4	-1.4	-3.6	-4.6	-3.4	-5.0
	22	-4.4	-1.6	-2.8	-4.3	-5.0	-5.4	-5.2	-5.4	-6.6	-6.2	-7.9	-9.4	-3.8	-14.4	-31.4	-2.2	-29.6	24.6	-9.4	-1.2	-0.6	1.8	4.4	3.4	-5.1
	23	4.6	6.0	-0.8	-2.4	-5.0	-5.3	-4.6	-4.6	-5.2	-6.6	-8.4	-12.7	-12.8	-11.5	-19.9	-6.7	-12.5	-16.6	-15.4	-5.6	-9.4	1.4	-4.0	-1.6	-6.6
	24	-0.6	-1.4	-3.1	-7.2	-7.9	-7.9	-5.2	-5.2	-6.6	-6.0	-7.8	-9.4	-9.4	-8.4	-7.8	-8.2	-7.8	-7.2	-4.7	-1.2	-1.4	-2.3	0.8	-2.0	-5.3
	25	-3.1	-4.6	-5.0	-5.0	-5.0	-5.3	-5.6	-6.7	-7.9	-8.4	-13.2	-10.3	-11.2	-10.3	-10.4	-10.4	-9.4	-9.1	-9.6	-5.2	2.8	7.8	20.2	36.8	-3.7
Q	26	30.6	30.8	7.8	-5.2	-5.3	-5.6	-5.4	-6.2	-6.6	-8.8	-10.0	-13.2	-11.9	-6.6	-9.4	-8.4	-2.8	-2.8	-4.4	-5.3	-5.7	-4.0	-3.1	-1.7	-2.6
	27	-6.6	-1.2	-4.4	-4.0	-4.3	-4.4	-5.2	-5.4	-7.6	-6.2	-7.8	-8.2	-8.0	-7.9	-11.2	-3.1	-19.3	-30.8	-11.4	11.4	31.6	32.0	11.5	-0.7	-3.0
	28	-4.4	-5.2	-3.2	-4.3	-4.7	-5.3	-5.2	-5.2	-6.2	-7.0	-7.6	-10.2	-14.6	-14.0	-24.7	-21.4	-24.8	-21.1	-9.1	-7.9	9.0	13.6	22.8	20.6	-5.8
	29	18.0	4.6	-1.8	-3.1	-10.0	-10.2	-8.4	-6.8	-5.0	-8.2	-9.2	-10.2	-8.3	-7.4	-7.9	-5.3	-4.3	-6.7	-4.4	6.1	5.3	6.8	3.7	-3.2	-3.2
	30	-2.2	-4.0	-4.4	-4.3	-4.8	-5.4	-5.7	-6.2	-6.2	-7.1	-7.2	-6.8	-6.7	-7.8	-7.8	-5.8	-7.0	-6.6	-6.2	1.8	28.8	9.8	-3.8	-2.8	-3.3
Среднее по всем		4.6	2.5	-2.8	-3.9	-4.1	-5.3	-5.2	-5.2	-5.6	-8.1	-9.1	-9.8	-10.5	-10.2	-10.4	-8.8	-9.5	-4.2	-3.7	1.9	3.5	4.0	5.7	3.0	-3.8
по Q		-3.3	-4.2	-4.4	-4.7	-5.0	-5.7	-5.4	-5.5	-6.4	-7.4	-7.8	-8.1	-7.8	-8.3	-7.8	-7.7	-7.6	-5.8	-6.7	-4.3	1.5	-1.8	-4.0	-5.0	-5.6
по D		9.5	16.0	-1.3	1.1	5.6	-0.5	-2.4	-2.8	-1.9	-12.4	-13.3	-11.2	-16.5	-16.1	-9.3	-14.6	-7.5	-9.1	9.7	22.5	12.4	12.7	30.5	13.1	1.4

ДНЯМ

ДОПАРСКАЯ
НОЯБРЬ 1972 Г.

Горизонтальная составляющая $H = 11800$ + 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	-103	-155	-791	-1251	-308	116	111	145	232	320	371	305	300	259	1	4	27	39	60	36	24	36	17	-7	-9
	2	-62	-110	-8	-232	-23	35	37	11	13	24	14	3	13	22	29	36	27	50	-120	-310	-546	-367	-483	-636	-108
Q	3	-515	-136	44	55	58	57	50	36	35	26	24	31	29	30	30	31	29	28	32	32	26	20	21	13	4
	4	-11	21	41	40	43	37	37	35	30	30	29	34	29	36	36	37	37	68	54	42	69	113	50	9	39
Q	5	19	38	37	35	35	35	35	34	30	29	29	31	36	37	37	37	37	37	37	37	37	34	34	35	34
	6	37	36	35	37	50	38	38	35	30	30	27	36	43	45	45	45	51	61	61	51	28	40	42	45	41
Q	7	45	44	44	43	44	38	36	29	25	27	49	54	42	22	35	42	44	48	54	13	-60	-73	-79	-69	21
	8	0	-2	43	51	48	42	34	28	25	26	24	29	28	35	44	38	38	42	43	39	37	40	2	-71	28
Q	9	42	41	41	43	41	42	36	33	27	34	31	31	31	36	51	54	43	44	50	55	-53	-71	-10	16	29
	10	29	43	45	48	44	44	44	40	34	31	29	35	36	42	40	37	37	43	43	44	43	38	28	21	38
Q	11	28	32	21	43	52	55	52	49	45	43	40	42	43	48	67	133	84	64	62	61	34	36	28	36	50
	12	37	42	44	46	44	47	44	34	35	37	37	37	36	37	38	40	45	45	45	44	43	40	37	36	40
Q	13	35	26	40	45	45	43	37	36	31	30	35	36	40	42	42	43	43	43	41	39	43	36	35	37	38
	14	36	37	42	44	45	45	42	33	23	28	34	39	37	40	42	42	38	45	42	44	43	37	29	4	37
D	15	31	45	52	51	46	37	45	47	45	45	43	32	46	61	191	320	239	142	51	-39	-140	-32	-160	-344	35
	16	-159	-13	42	45	-31	3	43	43	45	60	80	83	256	268	91	76	100	14	27	-69	-128	-142	-253	-187	12
D	17	26	37	41	40	38	37	36	34	24	26	29	35	59	54	81	179	86	72	35	-163	-450	-27	44	29	17
	18	31	16	14	45	50	45	37	26	29	29	34	35	35	44	78	128	65	68	54	42	29	24	10	-3	40
D	19	10	28	19	27	44	45	40	30	7	31	49	45	35	45	55	64	76	55	50	43	4	18	36	9	36
	20	-8	-78	-145	-7	30	46	40	26	22	86	86	37	41	68	198	360	110	31	-28	-66	2	-40	-60	-45	29
Q	21	-9	-5	20	19	51	50	35	31	34	29	27	35	37	41	37	35	42	48	43	45	32	36	37	26	32
	22	-3	18	31	45	45	44	42	37	35	34	29	37	45	95	218	262	208	-89	11	51	39	26	-5	-7	52
Q	23	3	-53	-15	35	44	39	37	35	35	30	35	37	34	45	77	151	181	127	118	88	78	11	20	11	50
	24	21	27	30	59	55	50	45	42	35	34	23	26	29	39	40	39	38	42	44	46	44	42	40	32	38
Q	25	37	42	43	41	44	49	45	44	43	43	48	37	37	44	51	46	50	51	84	75	-44	-13	-144	-276	20
	26	-151	-175	3	61	61	46	44	42	37	36	29	44	59	60	47	43	51	62	51	44	42	35	34	26	26
Q	27	3	14	40	43	45	50	46	43	39	38	34	35	37	43	54	112	189	154	92	-110	-237	-206	-105	2	19
	28	18	11	42	48	51	50	44	43	38	37	39	38	76	81	209	183	179	154	47	-1	-32	-63	-81	-135	45
Q	29	-127	-7	45	50	68	59	48	41	36	27	32	34	35	41	37	43	37	40	44	-4	-6	-23	-5	11	23
	30	38	43	42	43	43	44	44	43	40	38	37	38	45	48	45	42	43	43	52	-14	-249	-30	37	43	25
Среднее по всем по Q по D дням		-21	-3	-1	-10	30	46	43	40	39	45	48	46	55	60	68	90	76	56	43	6	-42	-14	-27	-45	26
		31	37	41	43	42	42	40	37	32	31	33	36	39	42	41	40	40	42	43	30	-17	23	33	28	35
		-60	-62	-170	-314	-57	47	55	54	71	107	119	92	131	136	102	159	101	55	-2	-90	-158	-109	-188	-244	-9

ДОПАРСКАЯ
НОЯБРЬ 1972 Г.

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	138	151	-	-	220	171	163	166	167	135	107	50	-5	38	165	95	88	88	78	104	78	93	98	83	112
	2	50	56	78	66	20	73	83	78	69	81	94	88	88	86	79	94	67	18	-43	96	192	-83	83	-97	59
	3	-181	-89	16	57	67	72	74	73	77	76	83	83	76	79	83	73	81	68	78	80	52	51	65	76	53
	4	55	52	71	72	72	63	70	63	73	71	70	73	75	68	65	71	96	104	94	85	82	89	86	62	74
	5	33	65	73	68	62	79	68	63	67	68	70	78	67	65	76	65	70	63	73	79	70	63	65	47	67
Q	6	63	77	66	68	70	73	68	66	68	67	67	68	68	65	73	68	94	98	79	59	26	52	52	52	67
	7	65	69	62	67	64	68	62	62	70	81	94	109	110	97	72	69	83	82	79	63	19	-67	-83	-67	55
	8	19	42	44	68	65	63	58	68	69	73	69	77	75	74	70	81	86	79	65	50	52	53	37	-45	58
	9	36	59	63	66	53	68	58	57	62	63	73	81	98	93	113	125	87	72	68	82	-57	-112	-37	0	53
	10	16	42	41	53	56	57	62	58	54	60	66	65	83	83	91	84	84	73	61	57	57	-55	57	15	60
Q	11	29	39	47	32	53	47	57	57	57	58	55	58	60	68	98	131	120	93	79	8	30	48	53	57	60
	12	66	58	53	61	56	56	59	59	67	59	65	70	73	76	75	65	79	63	67	61	58	59	65	63	64
	13	60	42	50	57	57	67	58	59	65	59	60	66	63	71	65	65	65	65	66	68	50	44	45	60	59
	14	58	63	55	57	58	68	57	62	61	65	65	65	73	66	67	70	82	91	82	61	62	57	37	-6	62
	15	21	46	50	63	43	47	59	47	53	56	62	97	105	113	66	-59	-7	44	60	7	-81	32	101	198	51
D	16	-60	-43	21	27	11	5	62	76	119	117	111	115	84	50	136	101	69	-28	44	52	21	15	-11	-124	40
	17	-3	42	59	58	67	68	75	77	78	75	78	99	111	109	115	113	96	116	41	-8	58	-52	41	46	65
	18	51	45	31	52	65	67	52	59	70	68	87	92	76	80	122	116	104	106	47	62	37	18	11	0	63
	19	18	47	46	38	52	68	62	71	59	71	84	85	90	81	104	107	115	89	81	65	-10	-6	44	40	63
	20	16	-55	-62	-62	27	58	58	65	65	101	105	73	72	101	34	-23	157	+81	1	25	44	69	53	29	43
Q	21	45	37	47	47	65	81	76	89	99	77	73	73	71	70	83	77	84	79	61	52	16	44	62	57	65
	22	37	43	60	56	59	65	63	63	63	63	68	72	98	128	107	-16	-84	-125	18	16	81	53	47	58	46
	23	57	-1	-2	53	72	82	70	71	70	69	71	79	98	102	110	133	128	142	88	88	80	42	65	53	76
	24	61	56	57	68	65	69	59	56	56	59	54	59	59	52	63	59	59	65	66	63	61	59	61	63	60
	25	59	65	59	67	52	58	60	61	65	52	61	73	70	60	60	76	73	67	81	70	-48	-32	-13	75	53
Q	26	-145	-101	10	58	63	78	81	65	65	68	83	91	119	83	67	79	95	67	69	75	65	59	65	53	55
	27	6	-15	53	58	63	63	65	63	68	60	65	69	65	66	84	110	57	-10	-39	-47	-72	25	18	38	38
	28	55	70	58	70	68	65	70	65	65	68	63	45	65	104	81	47	50	73	86	41	79	78	65	69	67
	29	92	13	73	56	77	78	66	69	58	68	81	81	71	85	94	84	79	81	70	17	16	37	24	-8	61
	30	24	59	73	60	68	65	58	58	58	65	58	61	64	76	64	68	70	67	78	37	73	-13	37	67	58
Среднее по всем по Q по D ДНЯМ		28	34	47	54	63	68	68	68	71	72	75	77	77	80	86	74	77	66	59	52	40	28	43	34	60
		38	54	58	59	60	67	61	60	61	63	64	67	70	72	73	70	74	72	72	60	62	41	48	37	61
		33	31	22	24	64	71	85	86	95	98	96	85	69	78	96	42	75	41	28	57	51	25	65	18	59

ЛО П А Р С К А Я
Д Е К А Б Р Ъ 1972 Г.

Горизонтальная составляющая $H = 11800$ + табличное значение в гаммах

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

Д н и	Время миро-Г 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	37	31	19	38	48	47	42	37	35	37	35	37	37	39	42	51	45	50	38	38	39	38	37	39	
	2	37	37	42	44	52	51	52	46	43	38	37	42	43	43	45	51	56	92	43	29	46	44	43	37	46
	3	36	29	29	42	48	50	49	44	43	41	38	43	42	43	45	47	49	52	50	59	68	50	46	43	45
	4	41	40	40	42	44	45	41	35	37	37	42	40	40	38	43	44	45	46	45	43	41	35	37	35	41
	5	37	40	42	42	40	41	42	38	36	37	37	40	43	45	45	45	45	44	44	43	42	43	36	41	41
Q	6	38	44	44	45	45	45	44	43	44	45	45	45	45	45	47	50	48	49	61	36	50	44	27	45	
	7	13	16	35	44	54	56	54	62	60	59	51	46	40	46	45	44	50	51	48	45	44	44	43	46	
	8	42	42	42	43	37	39	47	45	45	43	43	42	43	44	45	45	45	54	56	60	43	11	-69	3	37
Q	9	43	45	47	45	45	44	45	45	44	44	45	47	47	50	49	48	50	48	47	45	35	-6	31	43	
	10	43	43	45	44	44	43	45	43	43	43	41	41	43	44	45	45	45	45	42	43	43	42	41	43	
D	11	42	40	37	43	45	45	45	43	43	40	41	45	45	50	46	46	50	52	54	48	47	32	36	44	
	12	43	43	45	48	52	54	54	52	50	45	48	48	51	51	52	52	54	59	54	62	67	61	-89	46	
D	13	-307	-26	55	67	59	30	21	36	38	41	73	126	133	81	203	200	146	37	-83	-74	-163	-298	-121	-86	8
	14	10	45	54	29	41	42	43	37	37	35	35	36	37	43	46	71	70	61	33	35	29	34	35	31	40
D	15	31	37	40	40	42	48	45	46	44	29	26	59	160	269	167	117	36	26	54	-2	-155	-747	-434	-54	-3
	16	21	-130	-160	-121	34	49	34	-3	17	48	110	111	68	42	41	52	95	75	-45	29	50	-20	-99	-212	4
D	17	13	32	35	36	40	45	36	29	32	25	34	44	97	98	37	44	43	54	67	-80	-17	15	10	4	32
	18	14	29	37	43	45	44	40	36	35	29	28	36	44	49	91	60	75	45	36	35	-5	-4	36	38	38
	19	41	43	43	45	45	44	37	37	34	41	42	45	45	46	59	62	67	82	76	75	51	49	-66	18	44
	20	42	42	43	42	49	52	44	42	39	32	31	34	42	40	52	49	50	47	45	44	37	36	36	37	42
Q	21	38	42	40	43	43	44	46	45	42	37	36	37	39	42	44	45	44	47	45	45	44	45	44	39	42
	22	39	44	47	52	53	54	52	51	50	51	50	58	51	53	77	68	72	201	148	77	75	76	-75	-169	52
	23	-12	-164	-220	14	75	52	12	30	53	48	44	55	50	43	84	93	52	118	56	-504	10	-30	-85	4	-5
	24	-85	-128	-37	23	53	44	38	26	31	29	45	42	40	45	41	40	38	36	36	39	39	37	29	19	22
	25	34	43	45	43	43	43	48	47	46	43	44	45	50	49	48	48	47	47	49	49	45	20	15	47	43
Q	26	45	45	45	43	45	46	47	45	44	38	41	39	40	49	45	44	42	43	45	45	46	45	42	42	44
	27	42	41	41	41	42	47	45	44	42	41	42	45	47	48	48	47	46	48	48	49	45	45	44	44	45
	28	44	45	45	46	48	48	48	46	45	49	51	52	50	54	50	51	53	88	107	88	68	52	37	4	53
D	29	-16	29	40	41	36	44	58	51	42	45	47	50	53	50	60	175	243	261	113	59	44	44	-88	22	63
	30	91	17	-22	37	32	44	39	45	41	32	53	58	51	42	44	60	76	42	89	63	-316	-393	63	62	15
	31	45	42	39	30	29	37	36	44	40	45	40	58	52	61	52	45	44	52	103	52	44	35	6	-123	38
Среднее по всем по Q по D ДНЯМ		19	18	22	36	45	46	43	41	41	40	44	50	54	56	59	62	62	66	52	23	17	-14	-7	2	36
		40	42	42	43	43	44	45	43	41	40	40	42	43	45	46	46	46	46	46	48	42	45	42	40	43
		-35	-53	-61	7	48	45	30	31	39	40	61	82	92	95	108	104	81	60	14	-97	-115	-297	-135	-57	4

