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THE SUPERNOVA SERVICE OF THE BYURAKAN  
ASTROPHYSICAL OBSERVATORY

The supernova service at the Byurakan Observatory was commenced in 1966. The observations are carried out with the 21" Schmidt telescope having a field of 25 square degrees. ORWO ZU-2 films were used with standard exposure time of 30 minutes reaching magnitude 18.0.

In the Table overleaf the following data are given for 26 patrolling areas: the coordinates RA, D(1950) of the centres of the areas (columns 2 and 3) ; n - number of observational nights, t - net exposure time in hours and minutes for each year separately (4-15); n - number of observational nights, t - net exposure time for all years together (16-17); the net exposure time expressed in fractions of a day (18).

It is necessary to stress that the telescope has been used for the supernova program not regularly because of its employment for other programs.

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No	RA 1950	D 1950	1966		1967		1968		1969		1970		1971		n	t	t
			n	t	n	t	n	t	n	t	n	t	n	t			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	1 <sup>h</sup> 18 <sup>m</sup> + 0 <sup>s</sup> 57'		2	1 <sup>h</sup> 00 <sup>m</sup>	1	0 <sup>h</sup> 40 <sup>m</sup>	2	0 <sup>h</sup> 40 <sup>m</sup>	1	0 <sup>h</sup> 30 <sup>m</sup>	2	1 <sup>h</sup> 00 <sup>m</sup>	-	-	8	3 <sup>h</sup> 50 <sup>m</sup>	0.1597
2	2 22 +32 06		1	0 30	1	0 50	1	0 20	5	2 00	1	0 30	-	-	9	4 10	0.1736
3	2 35 + 0 15		4	2 10	-	-	-	-	3	1 40	-	-	-	-	7	3 50	0.1597
4	2 35 - 8 46		1	0 30	1	0 28	-	-	3	1 10	-	-	-	-	5	2 08	0.0889
5	2 40 +37 06		-	-	-	-	-	-	3	0 31	6	2 45	-	-	9	3 16	0.1361
6	3 02 +42 30		1	0 30	2	1 19	-	-	1	0 10	1	0 30	-	-	5	2 20	0.0972
7	3 42 +68 00		-	-	2	1 00	-	-	7	3 10	1	0 30	-	-	10	3 40	0.1528
8	5 14 +68 00		-	-	2	1 00	-	-	5	2 20	2	1 00	-	-	9	4 20	0.1806
9	7 11 +86 00		-	-	-	-	-	-	5	2 40	3	1 30	-	-	8	4 10	0.1736
10	7 30 +79 53		-	-	-	-	-	-	4	2 17	-	-	-	-	4	2 17	0.0951
11	7 37 +66 00		-	-	-	-	-	-	4	2 12	-	-	-	-	4	2 12	0.0917
12	9 17 +50 22		-	-	3	2 04	1	0 30	2	1 00	1	0 30	-	-	7	4 04	0.1694
13	10 16 +43 45		-	-	-	-	-	-	1	0 30	1	0 30	3	1 25	5	2 27	0.1021
14	11 27 +54 45		1	0 30	2	1 00	-	-	3	0 50	-	-	2	1 00	8	3 20	0.1389
15	11 56 +43 00		-	-	1	0 30	-	-	2	1 00	3	1 30	-	-	6	3 00	0.1250
16	11 56 +53 06		-	-	-	-	-	-	2	0 53	4	1 29	2	1 00	8	3 22	0.1403
17	12 00 +52 30		5	3 00	3	1 30	-	-	3	1 11	-	-	-	-	11	5 41	0.2368
18	12 14 +40 00		-	-	-	-	-	-	2	1 00	1	0 30	4	1 47	7	3 17	0.1368
19	12 23 +14 49		-	-	1	0 06	-	-	-	4	1 56	1	0 40	6	2 42	0.1125	
20	12 25 +04 44		-	-	-	-	-	-	-	2	1 00	1	0 30	3	1 30	0.0625	
21	13 10 +37 05		-	-	-	-	-	-	2	1 00	2	1 00	6	3 08	10	5 08	0.2539
22	13 34 +12 00		-	-	-	-	-	-	-	2	1 00	-	-	2	1 00	0.0417	
23	14 03 +54 30		2	1 00	3	1 45	-	-	6	2 45	9	1 28	4	1 50	24	8 48	0.3667
24	14 31 +54 30		2	1 00	3	1 45	-	-	5	3 00	4	1 53	6	3 00	15	8 53	0.3701
25	15 06 +55 00		1	0 30	-	-	-	-	7	4 00	6	2 54	4	2 00	18	9 24	0.3917
26	23 00 +14 00		-	-	1	0 40	-	-	5	2 30	4	2 00	1	0 30	11	5 40	0.2361