AQUARIUS, R.A. 22:58 TO 23:16 DEC. -05:06 TO -03:12 (11 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
251	30.0C	97	290	23:50:31	1:48:45	128436	-0:21	-1:28	A0	6.24	.00	221	196	19	17367	980	5.67
252	3.0C	240	289	23:50:40	2: 3:44							67	37	14	1216?	665	6.09

FORNAX, R.A. 03:42 DEC. -27:20 (5 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BO	DENSITY VOLUME	CORR. V/E	UV MAG.
1	3.0L	481	947	3: 4:51	-24:38:13							122	14	89	372?	223	8.23
2	3.0L	264	806	3: 8:59	-29:59:52							114	8	79	214?	180	8.46
3	3.0L	244	791	3: 9:47	-30:27:49	194145	-0:19	-1:13	A5	8.80	8.66	104	10	74	267 H	202	8.34
4	1.0L	238	735	3:14: 7	-31: 0:40	194197	-0: 4	-3:38	B9	6.62	.00	71	14	34	389	835	6.79
5	3.0L	238	735	3:14: 7	-31: 0:40	194197	-0: 5	-2:59	B9	6.62	.00	169	38	76	1813	820	6.81
6	3.0C	199	740	3:14: 7	-31: 0:40	194197	-0: 9	-2:41	B9	6.62	.00	88	31	17	1208	625	6.16
7	3.0L	160	643	3:19:20	-33:13:29							112	7	70	214?	183	8.45
8	3.0L	731	859	3:19:27	-20:30: 9	168485?	-0:23	1:37	A0	6.58	.00	109	11	80	284 L	200	8.35
9	1.0L	500	759	3:20: 7	-25:45:56	168493	0:11	-1:10	A0	6.26	.00	68	7	37	176 L	588	7.17
10	3.0L	500	759	3:20: 7	-25:45:56	168493	0:10	-0:32	A0	6.26	.00	168	33	87	1333	571	7.21
11	3.0C	461	764	3:20: 7	-25:45:56	168493	0:18	-3: 7	A0	6.25	.00	81	17	18	608 L	372	6.72
12	3.0L	466	685	3:25:27	-26:58:39							224	20	88	1158?	485	7.38
13	3.0L	708	769	3:25:33	-21:34:11	168560	-0:13	0: 6	B9	9.00	.00	107	5	82	118	145	8.70
14	3.0C	574	706	3:28:14	-23:56:29							43	5	16	116?	192	7.44
15	1.0L	732	722	3:29:51	-21:24:57	168614	-0: 7	0:14	B5	8.80	.00	66	9	36	223	665	7.04
16	3.0L	732	722	3:29:51	-21:24:57	168614	-0: 7	0:48	B5	8.80	.00	173	32	84	1444 H	632	7.09
17	3.0C	693	727	3:29:51	-21:24:57	168614	-0:11	-0:38	B5	8.80	.00	76	19	16	676	405	6.63
18	3.0L	628	678	3:30:25	-23:47:48	168620	-0: 4	2:11	B9	9.10	.00	111	4	87	93	126	8.85
19	1.0L	529	637	3:31:12	-26: 1	N1360	-0: 4	3:22	PLAN		14.4	115	18	39	792	1200	6.40
20	3.0L	530	637	3:31:12	-26: 1	N1360	-0: 2	1:37	PLAN		14.4	271	37	88	2440	1180	6.41
21	3.0C	491	642	3:31:12	-26: 1	N1360	0: 5	4: 8	PLAN		14.4	103	26	16	1081	570	6.26
22	1.0L	721	696	3:31:34	-21:47:57	168634	-0: 8	-0:20	B8	4.32	.00	414	109	39	11792 H	21800	3.23
23	3.0L	720	696	3:31:34	-21:47:57	168634	-0: 9	-0:58	B8	4.32	.00	463	233	86	25176	23600	3.15
24	.5C	758	700	3:31:34	-21:47:57	168634			B8	4.32	.00	308	66	18	6755	13900	2.77
25	3.0C	682	701	3:31:34	-21:47:57	168634	-0: 6	-1:38	B8	4.32	.00	403	182	15	17696	9700	3.17
26	.3C	682	701	3:31:34	-21:47:57	168634	-0: 6	-0:37	B8	4.32	.00	259	48	16	4059 H	16700	2.57
27	3.0C	886	749	3:33:54	-17:28:41	149061:	-0:18	-4:57	A2	9.60	.00	354	140	18	15806 H	8300	3.34
28	1.0L	924	744	3:34: 0	-17:37:53	149063	-0:24	2: 2	A0	5.32	.00	210	119	33	8589 H	13600	3.75
29	3.0L	924	744	3:34: 0	-17:37:53	149063	-0:23	2:35	A0	5.32	.00	445	181	74	25354 H	21400	3.25
30	3.0C	886	749	3:34: 0	-17:37:53	149063/	-0:24	4:14	A0	5.32	.00	354	140	18	15806 H	8250	3.34
31	.3C	885	748	3:34: 0	-17:37:53	149063	-0:25	4: 5	A0	5.32	.00	82	47	16	1821 H	7900	3.39
32	1.0L	455	550	3:36:42	-28: 6:19	168701	-0: 4	-0:45	A0	6.08	.00	99	13	37	506	890	6.72
33	3.0L	456	550	3:36:42	-28: 6:19	168701	-0: 2	0:59	A0	6.08	.00	224	22	86	1421	540	7.27
34	3.0C	417	555	3:36:42	-28: 6:19	168701	-0: 0	-1: 7	A0	6.08	.00	116	26	16	1278	635	6.14
35	3.0L	112	442	3:37: 0	-35:37	N1399?	-1: 0	-4:41	E0	11.1	(GAL)	115	5	73	185	167	8.35
36	3.0L	467	522	3:39:27	-28: 2:21	NO						129	7	83	226?	180	8.46
37	3.0L	660	574	3:39:50	-23:48:13	168752	-0: 0	0:35	A0	8.30	.00	116	6	87	141?L	150	8.66
38	1.0L	286	458	3:40:15	-32: 5:49	194467	-0: 7	0:11	B5	4.93	.00	405	134	40	11744 H	20800	3.28
39	3.0L	286	458	3:40:15	-32: 5:49	194467	-0: 8	0:42	B5	4.93	.00	451	255	82	24997	23000	3.17
40	.5C	323	461	3:40:15	-32: 5:49	194467			B5	4.93	.00	288	64	17	6276	14200	2.75
41	3.0C	247	463	3:40:15	-32: 5:49	194467	-0: 9	0:32	B5	4.93	.00	392	196	15	18368	11000	3.03
42	.3C	246	462	3:40:15	-32: 5:49	194467	-0: 5	0: 0	B5	4.93	.00	237	50	16	3827 H	16100	2.61
43	3.0L	669	509	3:45:30	-24: 1:42	168836	0: 0	0:55	A2	5.04	.00	107	4	82	93 L	128	8.84
44	1.0L	109	333	3:45:56	-36:15:31	194537	0:17	-0:12	B8	6.25	.00	112	56	36	2274 H	3200	5.33
45	3.0L	110	333	3:45:56	-36:15:31	194537	0:17	1:27	B8	6.25	.00	264	103	74	7324 H	4700	4.91
46	3.0C	71	337	3:45:56	-36:15:31	194537	0:15	2: 2	B8	6.25	.00	182	76	16	5219	2450	4.67
47	.3C	70	337	3:45:56	-36:15:31	194537	0:14	1:55	B8	6.25	.00	37	9	13	196 L	2380	4.70
48	3.0L	103	300	3:48:45	-36:34:31	194570	0:18	0:22	B9	6.79	.00	131	47	72	1693	690	7.00
49	3.0C	64	304	3:48:45	-36:34:31	194570	0:23	1:50	B9	6.79	.00	67	34	16	1104	605	6.19
50	1.0L	654	434	3:51:34	-24:45:33	168925	-0: 1	-0:56	B5	4.76	.00	412	137	37	12475 H	21700	3.24

UNCLASSIFIED

FORNAX, R.A. 03:42 DEC. -27:20 (5 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
51	3.0L	653	434	3:51:34	-24:45:33	168925	-0: 3	-1:42	B5	4.76	.00	457	276	84	28330	26600	3.01
52	3.0C	615	439	3:51:34	-24:45:33	168925	0: 2	-2:31	B5	4.76	.00	396	169	14	17604	11820	2.95
53	.3C	615	439	3:51:34	-24:45:33	168925	0: 2	-1:27	B5	4.76	.00	212	48	16	3574 H	15200	2.68
54	1.0L	193	299	3:51:44	-34:52:45	194608	0: 6	0:30	B5	5.12	.00	403	118	37	12884 H	22600	3.19
55	3.0L	194	299	3:51:44	-34:52:45	194608	0: 6	2: 8	B5	5.12	.00	462	214	76	25934	22600	3.19
56	.5C	230	302	3:51:44	-34:52:45	194608			B5	5.12	.00	212	68	17	5952	11600	2.97
57	3.0C	155	303	3:51:44	-34:52:45	194608	0: 4	2:20	B5	5.12	.00	408	159	15	18971	11760	2.96
58	.3C	153	303	3:51:44	-34:52:45	194608	0: 1	1: 2	B5	5.12	.00	176	53	15	3624 H	14400	2.73
59	3.0C	553	417	3:52: 5	-26:11:16							87	10	14	414?	292	6.99
60	3.0C	185	264	3:56:16	-34:29:28							44	4	15	105?	180	7.51
61	3.0L	420	314	3:56:43	-30:15:30							143	13	82	517?	262	8.06
62	3.0C	888	449	3:57:27	-19:22:14							43	4	14	113?	185	7.48
63	1.0L	702	375	3:57:47	-24: 9:25	169017	-0: 0	0:27	A0	4.69	.00	274	55	38	4651	6150	4.61
64	3.0L	702	374	3:57:47	-24: 9:25	169017	0: 5	0:31	A0	4.69	.00	428	102	85	10236	8400	4.27
65	.5C	739	378	3:57:47	-24: 9:25	169017			A0	4.69	.00	144	34	17	2355	5400	3.80
66	3.0C	663	379	3:57:47	-24: 9:25	169017	0: 3	-1: 6	A0	4.69	.00	339	85	15	7614	4472	4.01
67	.3C	662	379	3:57:47	-24: 9:25	169017	0: 2	-1:13	A0	4.69	.00	123	24	16	1193	5800	3.73
68	1.0L	408	289	3:58:40	-30:37:49	194689	0: 6	-0:48	A0	5.85	.00	74	9	34	279 L	715	6.96
69	3.0L	408	289	3:58:40	-30:37:49	194689	0: 5	-0:24	A0	5.85	.00	182	26	79	1292 L	545	7.26
70	3.0C	370	293	3:58:40	-30:37:49	194689	0: 8	-1: 9	A0	5.85	.00	99	17	16	819 L	452	6.51
71	3.0L	323	259	3:59:13	-32:32:14	NO	0: 5	0:34				137	22	77	780	364	7.70
72	3.0C	284	264	3:59:13	-32:32:14	NO	-0: 4	-0:33				53	12	16	324	277	7.04
73	1.0L	898	389	4: 1:12	-20:16:50	169071	0: 9	0: 7	B3	6.39	.00	328	120	36	11559 H	18400	3.42
74	3.0L	897	388	4: 1:12	-20:16:50	169071	0: 8	-0:42	B3	6.39	.00	470	213	79	28750 H	25300	3.07
75	3.0C	859	393	4: 1:12	-20:16:50	169071	0: 6	2:13	B3	6.39	.00	396	124	18	14751	7650	3.42
76	.3C	858	393	4: 1:12	-20:16:50	169071	0: 4	2: 7	B3	6.39	.00	120	44	15	2310	10900	3.04
77	3.0C	742	324	4: 4:21	-22:53:18							53	7	14	217?	233	7.23
78	3.0C	544	260	4: 5:32	-27:17: 9							74	9	15	364?	274	7.06
79	3.0C	798	223	4:13:42	-22:16:27	169274?	0:20	-9:30	A2	6.80	.00	41	4	14	96 L	175	7.55
80	3.0C	535	156	4:14:15	-28: 3:53							59	27	17	712?	437	6.55
81	1.0L	308	63	4:16: 0	-33:55: 9	194902	-0: 6	-1: 9	B9	3.59	.00	296	107	34	8450	13200E	3.78
82	3.0L	309	63	4:16: 0	-33:55: 9	194902	-0: 5	0:27	B9	3.59	.00	422	188	90	23640	15310E	3.62
83	.5C	344	64	4:16: 0	-33:55: 9	194902			B9	3.59	.00	247	93	19	8912	15300E	2.67
84	3.0C	268	66	4:16: 0	-33:55: 9	194902	-0: 8	-2:45	B9	3.59	.00	435	207	21	29796	16700E	2.57
85	.3C	268	65	4:16: 0	-33:55: 9	194902	-0: 1	-1:53	B9	3.59	.00	240	76	17	6281 H	28500E	1.99

SAGITTARIUS EAST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
1	1.0L	308	302	18:21:30	-24:52	N6626	-0: 6	-0: 6	GLOB		8.5	83	16	81	17	17	11.04
2	3.0L	305	301	18:21:30	-24:52	N6626	0: 0	0: 0	GLOB		8.5	290	16	278	75	25	10.62
3	3.0C	307	297	18:21:30	-24:52	N6626	-0: 7	-6:10	GLOB		8.5	39	16	27	100	33	9.37
4	10.0C	314	298	18:21:30	-24:52	N6626	0:10	-7:27	GLOB		8.5	75	16	47	162	16	10.16
5	30.0C	312	281	18:21:30	-24:52	N6626	-0:25	5:30	GLOB		8.5	79	16	72	58	2	12.42
6	3.0L	380	331	18:21:32	-26:31:15	186780	-0: 8	0:36	A0	8.50	.00	362	49	287	2003 H	2060	5.81
7	3.0C	375	323	18:21:32	-26:31:15	186780	-0: 4	1:47	A0	8.50	.00	57	8	21	220	235	7.22
8	10.0C	383	321	18:21:32	-26:31:15	186780	-0: 1	0:48	A0	8.50	.00	123	27	35	1237	175	7.55
9	30.0C	387	314	18:21:32	-26:31:15	186780	-0: 1	2: 1	A0	8.50	.00	168	66	75	3529	175	7.55
10	10.0C	334	299	18:21:33	-25:22:38	NO?	-0:24	-0:43				66	8	34	192?	62	8.68
11	30.0C	335	300	18:21:33	-25:22:38	NO?	0:24	0:43				119	9	71	321	22	9.81
12	3.0L	977	553	18:21:36	-39:48:58	210114:	0:20	3:41	A5	8.96	8.98	285	45	230	1491 H	1400	6.23
13	3.0C	973	545	18:21:36	-39:48:58	210114:	0:18	2:26	A5	8.96	8.98	50	21	19	527 H	355	6.77
14	10.0C	981	542	18:21:36	-39:48:58	210114:	0:24	3:17	A5	8.96	8.98	134	73	35	3585 H	495	6.41
15	30.0C	985	535	18:21:36	-39:48:58	210114:	0:22	4:39	A5	8.96	8.98	178	147	71	8422 H	570	6.26
16	10.0C	809	474	18:21:46	-36: 3:36	NO*	0: 0	-1:15				76	17	31	528	99	8.17
17	30.0C	813	467	18:21:46	-36: 3:36	NO*	0: 1	1:15				109	46	65	1524	68	8.58
18	3.0L	977	553	18:21:47	-39:41:17	210115/	0:10	-4: 1	B8	8.68	8.20	285	45	230	1491 H	1400	6.23
19	3.0C	973	545	18:21:47	-39:41:17	210115/	0: 7	-5:15	B8	8.68	8.20	50	21	19	527	355	6.77
20	10.0C	981	542	18:21:47	-39:41:17	210115/	0:13	-4:25	B8	8.68	8.20	134	73	35	3585 H	495	6.41
21	30.0C	985	535	18:21:47	-39:41:17	210115/	0:11	-3: 3	B8	8.68	8.20	178	147	71	8422 H	570	6.26
22	3.0L	289	300	18:22: 0	-24:26:34	186787	-0:20	-2:56	B9	8.60	.00	297	5	272	106?L		
23	3.0L	283	301	18:22: 0	-24:26:34	186787/	0: 1	3:18	B9	8.60	.00	299	6	271	137 L	490*	7.37
24	30.0C	293	284	18:22: 0	-24:26:34	186787	-0: 5	0:24	B9	8.60	.00	102	32	66	923 L	43	9.08
25	3.0L	575	404	18:22: 2	-30:57:25	210120	-0: 3	0:23	A0	8.47	8.07	353	16	290	633 H	780	6.87
26	3.0C	570	397	18:22: 2	-30:57:25	210120	-0: 1	0:27	A0	8.47	8.07	54	7	21	181	215	7.32
27	10.0C	578	394	18:22: 2	-30:57:25	210120	-0: 3	-0: 8	A0	8.47	8.07	116	27	30	1188	170	7.58
28	30.0C	582	387	18:22: 2	-30:57:25	210120	0: 5	1:56	A0	8.47	8.07	152	73	59	4000	190	7.46
29	3.0L	837	499	18:22: 4	-36:45:42	210121	-0: 1	0:10	B8	9.32	9.02	300	11	264	309	450	7.47
30	10.0C	841	489	18:22: 4	-36:45:42	210121	0: 1	-0:17	B8	9.32	9.02	98	31	32	1167	175	7.55
31	30.0C	846	481	18:22: 4	-36:45:42	210121	-0: 8	0:18	B8	9.32	9.02	130	84	66	3426	165	7.61
32	10.0C	860	497	18:22: 7	-37:10:41	210122	0: 2	0:38	B9	8.01	7.70	83	20	34	671 L	112	8.03
33	30.0C	865	488	18:22: 7	-37:10:41	210122	-0:13	1:39	B9	8.01	7.70	122	68	68	2534 L	120	7.96
34	10.0C	676	429	18:22:11	-33: 8:59	210123	0: 0	-0:35	A0	9.31	8.99	65	7	34	179 L	54	8.83
35	30.0C	680	421	18:22:11	-33: 8:59	210123/	-0: 6	1: 7	A0	9.31	8.99	101	25	69	654 L	35	9.30
36	30.0C	680	421	18:22:13	-33: 3:58	210126/	-0: 7	-3:53	A0	9.08	9.02	101	25	69	654 L	35	9.30
37	30.0C	319	298	18:22:15	-25: 2:12							113	11	73	275?	20	9.91
38	3.0L	543	396	18:22:17	-30:16:56	210128	-0: 3	2:56	B8	7.35	7.95	322	4	293	110?L	235	8.17
39	3.0L	351	329	18:22:25	-25:54: 5	NO*	-0:16	-1:26				313	13	281	346	520	7.31
40	10.0C	353	321	18:22:25	-25:54: 5	NO*	-0: 2	-0:28				64	7	32	178	60	8.71
41	30.0C	355	316	18:22:25	-25:54: 5	NO*	0:18	1:53				167	32	68	1404	60	8.71
42	3.0L	388	349	18:22:27	-26:45:28	186795	0:18	-2:13	A2	9.50	.00	317	14	288	344?H	525	7.30
43	30.0C	315	299	18:22:28	-24:57:54							128	24	71	789?	38	9.21
44	30.0C	213	249	18:22:29	-22:43: 6	186796?	-0:39	4:19	B8	9.60	.00	95	4	72	86?L	12	10.47
45	30.0C	293	303	18:22:30	-24:33:50							114	20	68	699	34	9.33
46	1.0L	709	455	18:22:36	-33:58:29	210135	-0: 6	0:51	B8	6.38	.00	265	45	83	3067 H	4500	4.95
47	3.0L	707	456	18:22:36	-33:58:29	210135	-0: 4	2:20	B8	6.38	.00	427	93	295	6380 H	8500	4.26
48	.5C	712	449	18:22:36	-33:58:29	210135	0: 1	0:31	B8	6.38	.00	125	23	25	1093 H	3250	4.36
49	3.0C	703	449	18:22:36	-33:58:29	210135	-0: 5	1:12	B8	6.38	.00	280	63	23	5040	2350	4.71
50	10.0C	711	446	18:22:36	-33:58:29	210135	-0: 4	0:41	B8	6.38	.00	394	166	39	16128	2900	4.48

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SAGITTARIUS EAST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
51	30.0C	716	437	18:22:36	-33:58:29	210135	-0:13	1:12	B8	6.38	.00	380	338	76	32641	2850	4.50
52	3.0L	660	439	18:22:37	-32:52:17	210136	-0: 5	-0:57	A0	8.79	8.47	308	5	284	114?L	245	8.13
53	30.0C	667	418	18:22:37	-32:52:17	210136?	-0:22	1: 6	A0	8.79	8.47	90	12	64	273?L	21	9.86
54	3.0L	175	262	18:22:38	-22: 2:15	186799	-0:15	-1:40	A2	9.40	.00	279	5	251	124?		
55	3.0L	172	268	18:22:38	-22: 2:15	186799	0:21	-0:37	A2	9.40	.00	283	5	254	128?	465*	7.43
56	1.0L	611	422	18:22:39	-31:47: 2	210138	-0: 4	0: 3	B8	7.15	.00	133	15	81	524	800	6.84
57	3.0L	609	423	18:22:39	-31:47: 2	210138	-0: 2	1:33	B8	7.15	.00	398	35	286	2044	2000	5.84
58	3.0C	605	415	18:22:39	-31:47: 2	210138	-0: 8	0:51	B8	7.15	.00	122	23	20	1079	545	6.31
59	10.0C	613	413	18:22:39	-31:47: 2	210138	0: 2	-0:34	B8	7.15	.00	264	57	29	4559	600	6.20
60	30.0C	617	404	18:22:39	-31:47: 2	210138	-0: 9	1:36	B8	7.15	.00	287	131	60	12568	870	5.80
61	3.0L	228	292	18:22:45	-23:15:35	186802	0:20	-1:22	B9	9.40	.00	284	4	258	100?	200	8.35
62	3.0L	412	359	18:22:51	-27:21:43	186803	0: 1	1:24	B9	8.50	.00	344	14	292	490	640	7.08
63	3.0C	407	351	18:22:51	-27:21:43	186803	-0: 1	1:51	B9	8.50	.00	44	4	19	92 L	165	7.61
64	10.0C	415	348	18:22:51	-27:21:43	186803	-0: 4	1:17	B9	8.50	.00	98	16	36	633	105	8.10
65	30.0C	419	342	18:22:51	-27:21:43	186803?	-0: 4	1:31	B9	8.50	.00	149	55	74	2401	112	8.03
66	30.0C	244	280	18:23: 2	-23:30:45	186806/	0:13	3: 1	A0	9.00	.00	221	102	68	8158 H	500	6.40
67	3.0L	737	473	18:23: 8	-34:39:45	210147	-0: 1	-0:15	B9	9.65	9.33	312	8	283	204	370	7.68
68	10.0C	741	462	18:23: 8	-34:39:45	210147	-0: 7	-0:17	B9	9.65	9.33	67	8	32	232D	84	8.35
69	30.0C	744	458	18:23: 8	-34:39:45	210147	0:13	0:54	B9	9.65	9.33	104	21	67	583	30	9.47
70	30.0C	918	523	18:23:10	-38:25:33							114	12	65	423?	25	9.67
71	30.0C	354	322	18:23:11	-25:53: 3							125	14	70	500	27	9.58
72	3.0L	197	281	18:23:12	-22:41: 5	186810	0: 2	4: 8	A0	9.20	.00	285	12	255	283?	415	7.55
73	3.0L	432	370	18:23:13	-27:50:45	186811	-0: 2	0:54	B8	9.40	.00	331	25	290	775 H	980	6.62
74	3.0L	429	372	18:23:13	-27:50:45	186811	0:14	3:37	B8	9.40	.00	325	27	290	810 H	1000	6.59
75	30.0C	439	354	18:23:13	-27:50:45	186811	0:10	1:59	B8	9.40	.00	92	11	67	254	41*	9.13
76	30.0C	441	348	18:23:13	-27:50:45	186811	-0:26	1:50	B8	9.40	.00	94	12	67	272		
77	3.0L	687	456	18:23:16	-33:36:58	210153	-0: 5	3:20	A2	9.46	9.17	311	7	284	160 H	325	7.82
78	30.0C	697	440	18:23:16	-33:36:58	210153	-0: 3	1:20	A2	9.46	9.17	92	11	68	239 L	20	9.91
79	3.0L	396	360	18:23:27	-27: 2:37	NO*	0: 1	0:52				317	6	290	137	280	7.98
80	10.0C	400	350	18:23:27	-27: 2:37	NO*	-0: 1	-0:52				55	7	31	155	59	8.73
81	1.0L	233	293	18:23:30	-23:22:34	186815	-0:19	-0:12	B8*	9.10	.00	111	11	75	288 H	620	7.12
82	3.0L	232	296	18:23:30	-23:22:34	186815/	-0:16	-0:18	B8*	9.10	.00	344	46	261	1780 H	1800	5.95
83	10.0C	235	287	18:23:30	-23:22:34	186815	-0: 5	-0:31	B8*	9.10	.00	124	40	32	2077 H	280	7.03
84	30.0C	297	306	18:23:38	-24:39:33							190	13	70	798?	37	9.24
85	3.0L	235	300	18:23:39	-23:27:58	186822	-0:10	-0:11	B9	8.40	.00	344	47	261	1820 H	1850	5.92
86	3.0C	231	293	18:23:39	-23:27:58	186822	-0: 4	-1:45	B9	8.40	.00	66	30	20	899 H	510	6.38
87	10.0C	239	290	18:23:39	-23:27:58	186822	-0: 7	-1: 2	B9	8.40	.00	146	43	31	2491	320	6.89
88	30.0C	244	280	18:23:39	-23:27:58	186822/	-0:23	0:14	B9	8.40	.00	221	102	68	8158 H	500	6.40
89	3.0L	857	526	18:23:45	-37:19:39	210165	0: 4	0: 6	A0	10.20	9.78	291	6	261	150 H	275	8.00
90	10.0C	861	515	18:23:45	-37:19:39	210165	-0: 2	-1: 4	A0	10.20	9.78	77	19	33	591 H	106	8.09
91	30.0C	865	510	18:23:45	-37:19:39	210165	0:13	1:45	A0	10.20	9.78	114	62	66	2052 H	99	8.17
92	30.0C	155	246	18:23:50	-21:33: 5	186824	-0:24	0: 2	B5	9.20	.00	95	36	67	874?L	43	9.08
93	3.0L	706	470	18:23:51	-34: 4:11	210168	0: 2	2: 8	B9	9.37	9.70	313	13	278	374?H	535	7.28
94	10.0C	711	455	18:23:51	-34: 4:11	210168?	-0:30	1:59	B9	9.37	9.70	93	11	50	367	74	8.48
95	10.0C	508	392	18:23:53	-29:32:21	186825	0: 2	0:56	A0	8.50	.00	73	12	30	375 L	82	8.37
96	30.0C	512	385	18:23:53	-29:32:21	186825	0: 2	2:13	A0	8.50	.00	109	40	63	1289 L	58	8.75
97	3.0L	373	356	18:23:54	-26:37:14	186826	-0: 9	4:50	A2	9.20	.00	325	15	286	405 H	580	7.19
98	10.0C	376	346	18:23:54	-26:37:14	186826	-0: 6	3:54	A2	9.20	.00	73	10	34	291	73	8.50
99	10.0C	915	540	18:23:56	-38:28:56	210169	0:12	-3:19	B9	8.88	8.62	90	34	32	1314DH	235	7.22
100	1.0L	799	504	18:24: 1	-36: 2:50	210170	-0: 4	-0:55	B9	6.83	.00	121	15	81	427	730	6.94

SAGITTARIUS EAST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
101	3.0L	798	506	18:24: 1	-36: 2:50	210170	0: 2	-1: 1	B9	6.83	.00	372	46	272	2270	2300	5.69
102	3.0C	793	497	18:24: 1	-36: 2:50	210170	-0: 3	-0:37	B9	6.83	.00	114	25	22	1156	570	6.26
103	10.0C	801	494	18:24: 1	-36: 2:50	210170	-0: 2	-1: 3	B9	6.83	.00	282	55	32	5133D	667	6.09
104	30.0C	803	491	18:24: 1	-36: 2:50	210170?	0:25	0:55	B9	6.83	.00	323	143	66	14000	1050	5.59
105	3.0L	838	521	18:24: 2	-36:55: 2	210171	0: 0	-1:44	A0	8.44	8.10	302	8	264	230?	370	7.68
106	3.0C	833	513	18:24: 2	-36:55: 2	210171	-0: 5	-1:19	A0	8.44	8.10	52	9	20	229	250	7.16
107	10.0C	841	510	18:24: 2	-36:55: 2	210171	0: 1	0:37	A0	8.44	8.10	118	34	34	1512	210	7.35
108	30.0C	846	501	18:24: 2	-36:55: 2	210171	-0:14	1:35	A0	8.44	8.10	151	93	66	4547	240	7.20
109	10.0C	355	338	18:24: 8	-26: 5: 9	NO	-0:22	0: 0				79	9	32	284?	72	8.51
110	30.0C	357	339	18:24: 8	-26: 5: 9	NO	0:23	-0: 1				149	15	69	639	32	9.40
111	3.0L	293	334	18:24: 9	-24:51:15	186828	0:13	2:12	B8	9.20	.00	295	10	268	222?L	380	7.65
112	3.0L	360	360	18:24:29	-26:20:40	186834	0: 1	2: 2	A0	9.30	.00	310	7	281	176?	330	7.80
113	3.0L	374	363	18:24:36	-26:39:57	186837	-0:16	3:28	A5	6.23	.00	311	4	282	106?L	220	8.25
114	3.0L	904	555	18:24:39	-38:23:19	210188	0: 8	-0:51	B9	7.90	7.44	320	43	246	1717 H	1650	6.05
115	3.0C	900	547	18:24:39	-38:23:19	210188	0: 6	-2: 5	B9	7.90	7.44	71	27	21	902 H	505	6.39
116	10.0C	908	544	18:24:39	-38:23:19	210188	0: 9	-2:25	B9	7.90	7.44	201	78	32	5219DH	618	6.17
117	30.0C	913	535	18:24:39	-38:23:19	210188	-0: 7	-1:26	B9	7.90	7.44	225	190	65	14019 H	1050	5.59
118	30.0C	981	562	18:24:40	-39:48: 3	210189	0: 5	-2:32	A0	9.10	8.75	89	11	67	228?L	20	9.91
119	3.0L	793	512	18:24:45	-36: 0:14	210191	0: 3	-0:14	B9	7.73	.00	349	28	268	1278	1250	6.35
120	3.0C	788	503	18:24:45	-36: 0:14	210191	-0: 8	0:35	B9	7.73	.00	74	16	20	587	360	6.76
121	10.0C	797	500	18:24:45	-36: 0:14	210191	-0: 9	-1: 2	B9	7.73	.00	177	46	32	3136D	393	6.66
122	30.0C	803	491	18:24:45	-36: 0:14	210191/	-0:20	-1:41	B9	7.73	.00	323	143	66	14000 H	1050	5.59
123	3.0L	674	470	18:24:53	-33:22:51	210193	-0: 4	-0:50	B9	8.60	8.32	330	20	282	591	750	6.91
124	3.0C	669	462	18:24:53	-33:22:51	210193	-0: 8	-0:23	B9	8.60	8.32	51	4	20	110 L	180	7.51
125	10.0C	677	459	18:24:53	-33:22:51	210193	-0: 2	-1:18	B9	8.60	8.32	104	23	31	958	145	7.75
126	30.0C	681	451	18:24:53	-33:22:51	210193	-0: 9	0:22	B9	8.60	8.32	140	68	66	2987	140	7.79
127	1.0L	635	455	18:24:54	-32:30: 7	210194	-0: 3	-0:30	A0	7.70	7.29	110	5	81	122	440	7.49
128	3.0L	634	456	18:24:54	-32:30: 7	210194	-0: 4	-0:10	A0	7.70	7.29	358	31	274	1344 H	1350	6.27
129	3.0C	629	448	18:24:54	-32:30: 7	210194	-0: 8	0:17	A0	7.70	7.29	76	14	20	498	325	6.87
130	10.0C	637	446	18:24:54	-32:30: 7	210194	-0: 1	0:33	A0	7.70	7.29	175	40	29	2474	315	6.90
131	30.0C	641	438	18:24:54	-32:30: 7	210194	-0: 1	1:48	A0	7.70	7.29	221	98	62	6968	405	6.63
132	3.0L	379	372	18:24:58	-26:47:20	186843/	-0: 2	0: 0	A3	6.28	.00	325	21	286	602	790	6.85
133	10.0C	382	362	18:24:58	-26:47:20	186843/	-0: 0	0:41	A3	6.28	.00	66	10	32	272 L	73	8.50
134	30.0C	386	356	18:24:58	-26:47:20	186843/	0:10	1: 7	A3	6.28	.00	107	25	70	762 L	52	8.87
135	3.0L	927	569	18:24:59	-39: 1:38	210197?	0:19	5: 8	A2	5.65	.00	288	32	234	1700	1500	6.15
136	3.0L	280	336	18:25: 0	-24:35:40	186844	-0: 3	1: 9	A0	8.50	.00	300	15	265	382?		
137	3.0L	283	338	18:25: 0	-24:35:40	186844	0: 2	-3:13	A0	8.50	.00	297	26	262	718?H	1350*	6.27
138	30.0C	290	315	18:25: 0	-24:35:40	186844?	-0:25	-0:29	A0	8.50	.00	91	17	67	377?L		
139	30.0C	287	321	18:25: 0	-24:35:40	186844	0: 7	1: 3	A0	8.50	.00	90	6	66	136?L	40*	9.16
140	3.0L	379	372	18:25: 1	-26:48: 1	186845/	-0: 5	0:42	A0	9.00	.00	325	21	286	602 H	790	6.85
141	10.0C	382	362	18:25: 1	-26:48: 1	186845/	-0: 3	1:22	A0	9.00	.00	66	10	32	272 L	73	8.50
142	30.0C	386	356	18:25: 1	-26:48: 1	186845/	0: 8	1:48	A0	9.00	.00	107	25	70	762 L	52	8.87
143	3.0L	353	363	18:25: 2	-26:12:48	186846	-0: 2	1:14	A0*	8.70	.00	352	59	275	2216 H	2500	5.59
144	10.0C	356	353	18:25: 2	-26:12:48	186846	-0: 3	0:42	A0*	8.70	.00	73	15	33	419	72	8.51
145	30.0C	359	349	18:25: 2	-26:12:48	186846	0:15	1:55	A0*	8.70	.00	117	24	70	799 L	70	8.55
146	3.0L	925	565	18:25: 7	-38:53:45	210200	-0: 9	1:24	B9	7.60	.00	259	14	217	383 L		
147	3.0L	927	569	18:25: 7	-38:53:45	210200/	0:11	-2:45	B9	7.60	.00	288	32	234	1700 H	1850*	5.92
148	3.0C	922	560	18:25: 7	-38:53:45	210200	0: 1	-1:53	B9	7.60	.00	50	14	22	339	280	7.03
149	10.0C	930	558	18:25: 7	-38:53:45	210200	0: 8	-2:25	B9	7.60	.00	153	54	34	3449D	424	6.58
150	30.0C	115	251	18:25: 8	-20:50:35	186850	-0: 1	0:29	A	8.90	.00	94	51	63	1266?	54	8.83

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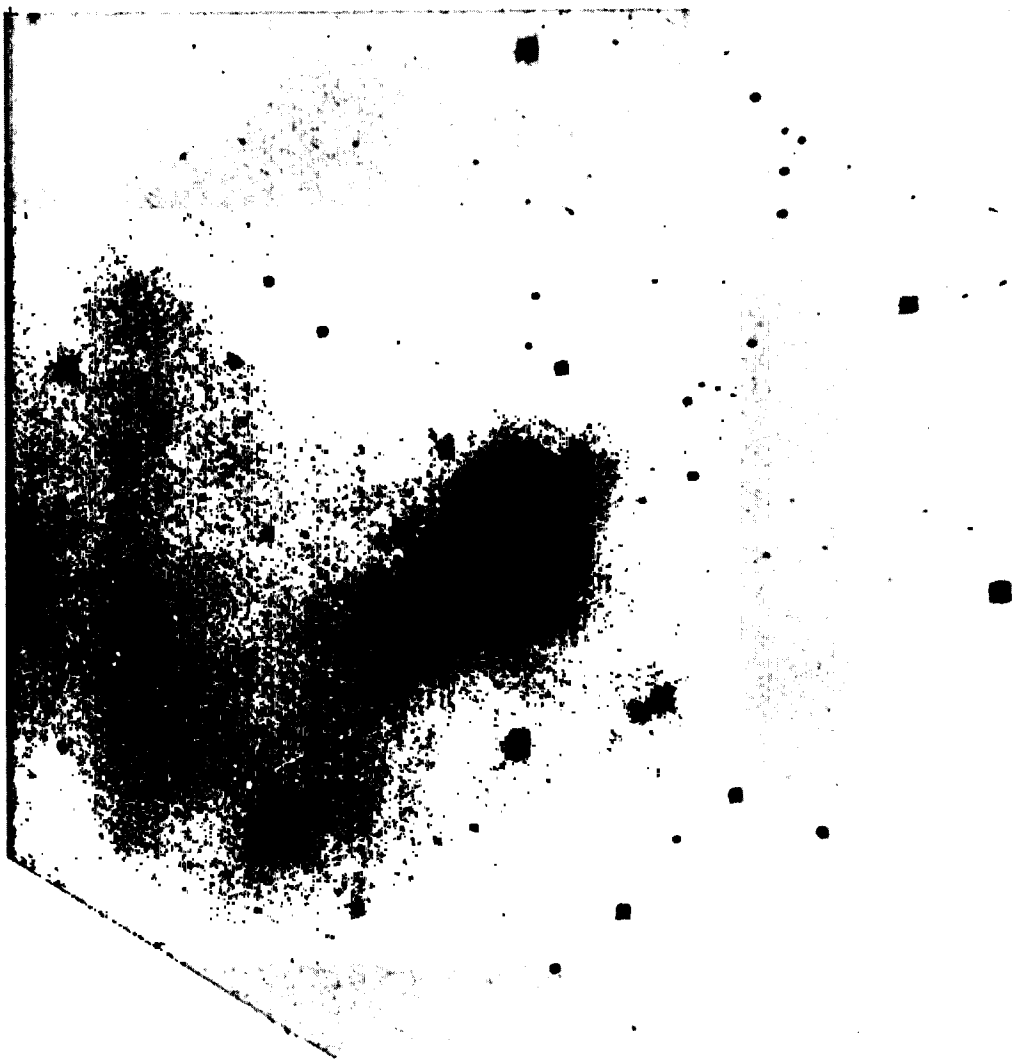

Fig. 4b — S201 starfield photograph (Earth-Capricornis), frame A45 (ICa, 10-min exposure)

SAGITTARIUS EAST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
151	3.0L	180	296	18:25:10	-22:26:46	186853	-0:15	2:51	A0	9.00	.00	273	6	245	151?	265	8.04
152	3.0L	199	310	18:25:25	-22:51: 8	186856	0: 3	-0:17	B8	9.10	.00	273	5	247	112?L	225	8.22
153	30.0C	698	466	18:25:38	-33:48:55							90	12	67	247?	21	9.86
154	3.0L	397	391	18:25:46	-27:17:40	186861	0:18	1: 7	B8	8.50	.00	333	46	284	1560 H	1700	6.02
155	10.0C	401	378	18:25:46	-27:17:40	186861	0: 0	0:39	B8	8.50	.00	60	8	31	199 L	65	8.63
156	30.0C	407	366	18:25:46	-27:17:40	186861?	-0:23	2:23	B8	8.50	.00	100	26	69	668 L	35	9.30
157	1.0L	925	573	18:25:49	-38:53: 4	210213	0: 3	-1:59	B8	6.65	.00	100	9	76	200 L	827	6.80
158	3.0L	924	574	18:25:49	-38:53: 4	210213	0: 6	-1:50	B8	6.65	.00	321	62	234	4782 H	5000	4.84
159	3.0C	920	567	18:25:49	-38:53: 4	210213	0: 3	-3: 6	B8	6.65	.00	94	42	22	1662	810	5.87
160	10.0C	928	564	18:25:49	-38:53: 4	210213	0: 5	-3:24	B8	6.65	.00	281	87	34	8054DH	981	5.66
161	30.0C	933	555	18:25:49	-38:53: 4	210213	-0: 2	-1:40	B8	6.65	.00	325	244	73	23239 H	1980	4.90
162	3.0L	366	380	18:25:50	-26:36:53	186863	0:13	1:42	A0	6.46	.00	311	25	285	559 L	755	6.90
163	10.0C	371	368	18:25:50	-26:36:53	186863	0: 1	0:50	A0	6.46	.00	75	16	32	493 L	95	8.21
164	30.0C	378	366	18:25:50	-26:36:53	186863/	0:22	-3:31	A0	6.46	.00	118	58	67	1950 L	94	8.22
165	30.0C	375	362	18:25:54	-26:35:45							121	54	67	1820	85	8.33
166	3.0L	724	499	18:26: 3	-34:34:11	210218	-0: 7	-0:54	B9	8.96	8.61	324	19	276	596 H	740	6.92
167	10.0C	727	489	18:26: 3	-34:34:11	210218	-0: 5	-1:21	B9	8.96	8.61	92	20	32	759	120	7.96
168	30.0C	731	481	18:26: 3	-34:34:11	210218	-0:12	0:20	B9	8.96	8.61	127	69	63	2787	130	7.87
169	30.0C	786	505	18:26: 7	-35:48: 3	210221	0: 9	0:47	A0	9.21	9.00	86	12	61	271 L	22	9.81
170	3.0L	890	563	18:26:15	-38: 7:53	210222	-0:13	-4:24	A2	9.59	9.62	252	12	210	417 H	440	7.49
171	3.0L	586	453	18:26:15	-31:29:21	NO*	-0:10	-0:57				296	14	265	354	500	7.35
172	30.0C	591	439	18:26:15	-31:29:21	NO*	0:11	0:58				83	19	55	463	27	9.58
173	1.0L	308	360	18:26:16	-25:17:24	186873	-0: 3	-0:22	B2	6.23	.00	261	39	78	2650	3600	5.20
174	3.0L	308	361	18:26:16	-25:17:24	186873	-0: 7	-1:12	B2	6.23	.00	423	101	278	6620	9200	4.17
175	.5C	311	354	18:26:16	-25:17:24	186873	0: 4	0:45	B2	6.23	.00	112	21	23	926	2950	4.46
176	3.0C	303	354	18:26:16	-25:17:24	186873	-0: 3	-0: 5	B2	6.23	.00	286	54	22	4637 L	2000	4.89
177	10.0C	311	351	18:26:16	-25:17:24	186873	-0: 6	-0:32	B2	6.23	.00	386	121	35	12683 L	2150	4.81
178	30.0C	314	346	18:26:16	-25:17:24	186873	0: 7	1: 6	B2	6.23	.00	377	301	70	31002 L	2550	4.62
179	3.0L	640	476	18:26:18	-32:48:57	210224	0: 8	3:37	A0	8.40	8.16	298	19	273	387?	565	7.22
180	30.0C	652	453	18:26:18	-32:48:57	210224?	-0:30	0:31	A0	8.40	8.16	81	5	59	101?L		
181	30.0C	650	459	18:26:18	-32:48:57	210224	0: 8	0:25	A0	8.40	8.16	82	6	58	137?L	32*	9.40
182	1.0L	696	491	18:26:19	-33:58: 4	210226	-0: 4	-0: 4	B9	7.10	.00	141	17	83	619 H	910	6.70
183	3.0L	695	493	18:26:19	-33:58: 4	210226	0: 1	-0: 8	B9	7.10	.00	388	57	283	2783 H	2800	5.47
184	3.0C	690	485	18:26:19	-33:58: 4	210226	-0: 3	0:17	B9	7.10	.00	129	27	22	1348 H	640	6.13
185	10.0C	698	482	18:26:19	-33:58: 4	210226	-0: 3	-0:10	B9	7.10	.00	289	61	35	5383 H	735	5.98
186	30.0C	703	473	18:26:19	-33:58: 4	210226	-0:12	0:19	B9	7.10	.00	309	149	70	13947 H	1070	5.57
187	3.0L	618	466	18:26:20	-32:15:20	NO	-0: 7	0:19				325	23	268	815	910	6.70
188	3.0C	613	459	18:26:20	-32:15:20	NO	-0: 5	0:21				50	5	19	128	195	7.43
189	10.0C	621	457	18:26:20	-32:15:20	NO	0: 6	-0:58				104	26	28	1143	170	7.58
190	30.0C	625	450	18:26:20	-32:15:20	NO	0: 5	0:17				142	68	57	3381	155	7.68
191	1.0L	675	488	18:26:24	-33:32:31	210228/	0:15	0:34	A0	8.72	8.36	133	15	82	507 H	790	6.85
192	3.0L	674	490	18:26:24	-33:32:31	210228/	0:20	0:31	A0	8.72	8.36	378	45	275	2262 H	2300	5.69
193	3.0C	669	482	18:26:24	-33:32:31	210228/	0:16	0:56	A0	8.72	8.36	116	24	20	1136?H	570	6.26
194	10.0C	677	479	18:26:24	-33:32:31	210228/	0:16	0:28	A0	8.72	8.36	252	59	34	4599 H	620	6.17
195	30.0C	682	470	18:26:24	-33:32:31	210228/	0: 2	1:21	A0	8.72	8.36	280	132	66	11843 H	860	5.81
196	3.0L	143	301	18:26:27	-21:40:12	186876	0: 2	-4: 3	A0	8.90	.00	256	4	232	91	180	8.46
197	10.0C	145	287	18:26:27	-21:40:12	186876	-0:11	-1: 4	A0	8.90	.00	67	21	30	593	110	8.05
198	30.0C	149	282	18:26:27	-21:40:12	186876	-0: 0	-0:38	A0	8.90	.00	122	92	61	3718 H	180	7.51
199	3.0L	370	386	18:26:29	-26:42:16	186878	-0: 7	0:17	B9	9.30	.00	334	45	280	1442 H	1550	6.12
200	10.0C	373	376	18:26:29	-26:42:16	186878	-0: 2	-0:37	B9	9.30	.00	81	15	33	492	93	8.24

SAGITTARIUS EAST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
201	30.0C	378	366	18:26:29	-26:42:16	186878/	-0:18	1:52	B9	9.30	.00	118	58	67	1950	94	8.22
202	3.0L	318	370	18:26:38	-25:34:45	186882	0: 1	0:37	B9	8.90	.00	299	13	273	272	440	7.49
203	10.0C	322	360	18:26:38	-25:34:45	186882	0: 0	0: 7	B9	8.90	.00	67	4	39	102 L	48	8.96
204	30.0C	326	353	18:26:38	-25:34:45	186882	0: 1	1:23	B9	8.90	.00	113	26	79	702 L	35	9.30
205	1.0L	675	488	18:26:43	-33:31:47	210234/	-0: 5	-0:10	B9	7.64	.00	133	15	82	507 H	790	6.85
206	3.0L	674	490	18:26:43	:33:31:47	210234/	0: 1	-0:13	B9	7.64	.00	378	45	275	2262 H	2300	5.69
207	3.0C	669	482	18:26:43	-33:31:47	210234/	-0: 4	0:12	B9	7.64	.00	116	24	20	1136?	570	6.26
208	10.0C	677	479	18:26:43	-33:31:47	210234/	-0: 4	-0:16	B9	7.64	.00	252	59	34	4599 H	620	6.17
209	30.0C	682	470	18:26:43	-33:31:47	210234/	-0:18	0:37	B9	7.64	.00	280	132	66	11843	860	5.81
210	3.0L	656	486	18:26:44	-33: 4:57	210235/	0: 7	-3:35	A3	7.22	.00	311	19	274	478	640	7.08
211	10.0C	659	476	18:26:44	-33: 4:57	210235/	0:14	-4:26	A3	7.22	.00	86	20	30	713	115	8.00
212	30.0C	662	472	18:26:44	-33: 4:57	210235?	0:33	3:15	A3	7.22	.00	123	55	66	1956	92	8.25
213	3.0L	109	289	18:26:52	-20:59:11	186885	-0:13	-1:28	A0	8.20	.00	257	6	234	130?L	235	8.17
214	3.0L	656	486	18:26:57	-33: 9: 2	210240/	-0: 6	0:31	A0	8.38	8.00	311	19	274	478	640	7.08
215	10.0C	659	476	18:26:57	-33: 9: 2	210240/	0: 1	-0:21	A0	8.38	8.00	86	20	30	713	115	8.00
216	30.0C	662	472	18:26:57	-33: 9: 2	210240/	0:20	0:51	A0	8.38	8.00	123	55	66	1956	92	8.25
217	30.0C	830	533	18:27:14	-36:49:41	210243/	0:12	-0:34	B8	9.13	8.77	88	15	63	345?L	24	9.71
218	30.0C	582	445	18:27:17	-31:20: 7	NO						80	21	51	511?	30	9.47
219	3.0L	378	399	18:27:20	-26:57:40	186890	-0: 3	0:51	A0	8.80	.00	313	10	283	234?	400	7.59
220	3.0L	252	355	18:27:21	-24: 5:53	186891	0: 4	-4:29	A0	8.36	.00	282	12	256	243?	390	7.62
221	3.0L	143	312	18:27:34	-21:47:16	186898	-0: 9	-1:22	B9	8.80	.00	267	7	235	182	290	7.94
222	10.0C	146	302	18:27:34	-21:47:16	186898	-0:10	-1:53	B9	8.80	.00	57	11	30	259 L	73	8.50
223	30.0C	150	296	18:27:34	-21:47:16	186898	-0: 3	0: 6	B9	8.80	.00	103	61	65	1755	82	8.37
224	1.0L	775	537	18:27:37	-35:54:15	210254	0:14	4:21	A2	8.83	8.66	127	7	80	226 H	550	7.25
225	30.0C	830	533	18:27:41	-36:45:19	210255/	-0:15	-4:57	A5	8.84	8.93	88	15	63	345?L	24	9.71
226	3.0L	383	402	18:27:43	-27: 2:16	186902	-0:20	-1:43	A2	9.50	.00	318	6	277	190?H		
227	3.0L	382	404	18:27:43	-27: 2:16	186902	-0: 7	-1:21	A2	9.50	.00	317	28	273	930?H	1440*	6.20
228	3.0L	644	493	18:27:48	-33: 1:27	210257	0: 7	4:20	A3	5.44	.00	296	14	270	330?L	490	7.37
229	1.0L	285	372	18:27:57	-24:55:39	186906	0: 1	0:13	B9	8.10	.00	102	6	76	140	470	7.42
230	3.0L	285	373	18:27:57	-24:55:39	186906	-0: 3	-0:36	B9	8.10	.00	357	44	262	1274 H	1300	6.31
231	3.0C	280	366	18:27:57	-24:55:39	186906	-0: 0	-0:40	B9	8.10	.00	82	15	21	567	350	6.79
232	10.0C	288	363	18:27:57	-24:55:39	186906	-0: 4	-1: 5	B9	8.10	.00	175	39	34	2389	310	6.92
233	30.0C	293	354	18:27:57	-24:55:39	186906	-0:14	0:59	B9	8.10	.00	236	100	74	7514	480	6.44
234	1.0L	515	457	18:28:39	-30: 6:21	210272	-0: 3	0:48	B5	8.50	8.01	112	7	78	181 L	500	7.35
235	3.0L	514	458	18:28:39	-30: 6:21	210272	-0: 5	1:11	B5	8.50	8.01	352	24	272	1043	1070	6.52
236	3.0C	509	451	18:28:39	-30: 6:21	210272	-0: 3	1:11	B5	8.50	8.01	85	15	19	572	350	6.79
237	10.0C	517	448	18:28:39	-30: 6:21	210272	-0: 4	0:44	B5	8.50	8.01	191	39	29	2508	320	6.89
238	30.0C	521	442	18:28:39	-30: 6:21	210272	0: 7	1: 8	B5	8.50	8.01	212	108	56	7554	430	6.56
239	3.0C	832	564	18:28:49	-37:14:56	210276	0: 1	-0:28	B9	7.90	7.51	47	4	20	95 L	170	7.58
240	10.0C	840	561	18:28:49	-37:14:56	210276	0: 3	-0:48	B9	7.90	7.51	104	31	34	1221	175	7.55
241	30.0C	845	552	18:28:49	-37:14:56	210276	-0:12	0: 6	B9	7.90	7.51	136	67	66	3076	145	7.75
242	10.0C	959	608	18:28:52	-39:44:25	210277	0:16	-3:56	A2	5.25	.00	74	19	37	529 L	95	8.21
243	30.0C	962	603	18:28:53	-39:44:25	210277?	0:28	-2:31	A2	5.25	.00	112	69	67	2186 L	110	8.05
244	10.0C	473	438	18:28:54	-29: 8:56	186924	0: 2	0:22	B8	9.00	.00	60	8	27	224 L	69	8.56
245	30.0C	478	429	18:28:54	-29: 8:56	186924	-0: 6	0:47	B8	9.00	.00	92	33	59	861 L	43	9.08
246	3.0L	603	492	18:28:55	-32:10:51	210279	0: 8	3:28	A0	9.35	9.30	281	5	256	115?	230	8.20
247	3.0L	626	499	18:29: 2	-32:37:37	210281	-0: 4	-0: 4	B9	8.48	8.12	304	32	262	826 H	950	6.65
248	10.0C	629	489	18:29: 2	-32:37:37	210281	0: 3	-0:55	B9	8.48	8.12	66	11	28	319 L	77	8.44
249	30.0C	632	484	18:29: 2	-32:37:37	210281	0:15	0:41	B9	8.48	8.12	101	47	54	1572 L	71	8.53
250	1.0L	386	421	18:29: 8	-27:15:30	186937/	0: 2	0:37	B8	7.80	.00	113	8	79	215 L	535	7.28

UNCLASSIFIED

SAGITTARIUS EAST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
251	3.0L	385	423	18:29: 8	-27:15:30	186937/	0: 5	0:36	B8	7.80	.00	360	19	280	792	890	6.72
252	3.0C	380	415	18:29: 8	-27:15:30	186937/	0: 3	0:59	B8	7.80	.00	88	16	20	615 L	370	6.73
253	10.0C	388	413	18:29: 8	-27:15:30	186937/	0: 5	0: 9	B8	7.80	.00	190	41	33	2637	410	6.62
254	30.0C	393	403	18:29: 8	-27:15:30	186937	-0:13	1:25	B8	7.80	.00	235	104	68	8058	500	6.40
255	3.0L	163	343	18:29:26	-22:25:36	186941/	-0:13	2:26	A0	9.10	.00	259	10	236	202?	325	7.82
256	3.0L	163	343	18:29:29	-22:19:49	186942/	-0:16	-3:21	B8	8.80	.00	259	10	236	202?L	325	7.82
257	30.0C	168	328	18:29:29	-22:19:49	186942	0: 2	-1:24	B8	8.80	.00	86	12	65	245?L	22	9.81
258	1.0L	386	421	18:29:30	-27:13:36	186943:	-0:21	-1:16	A3	8.80	.00	113	8	79	215 H	535	7.28
259	3.0L	385	423	18:29:30	-27:13:36	186943:	-0:17	-1:17	A3	8.80	.00	360	19	280	792 H	1060*	6.53
260	3.0L	382	427	18:29:30	-27:13:36	186943	0: 3	-0: 7	A3	8.80	.00	294	4	269	91?		
261	3.0C	380	415	18:29:30	-27:13:36	186943:	-0:20	-0:55	A3	8.80	.00	88	16	20	615 H	370	6.73
262	10.0C	388	413	18:29:30	-27:13:36	186943:	-0:17	-1:45	A3	8.80	.00	190	41	33	2637 H	410	6.62
263	3.0L	232	375	18:29:47	-23:55: 1	186950	-0: 5	-0:54	B9	9.30	.00	282	12	247	334?	440	7.49
264	30.0C	239	360	18:29:47	-23:55: 1	186950	0: 6	0:17	B9	9.30	.00	92	4	70	84?L	13	10.38
265	3.0L	287	396	18:29:48	-25: 7:34	186951	-0: 2	0: 8	B9	8.80	.00	288	5	258	133 L	250	8.11
266	30.0C	293	382	18:29:48	-25: 7:34	186951	0:15	0:55	B9	8.80	.00	90	10	66	224?L	20	9.91
267	3.0L	360	423	18:29:53	-26:44:42							306	39	265	1207?	1250	6.35
268	1.0L	905	609	18:29:55	-38:45:28	210293/	0: 9	-1:44	A	6.60	.00	203	77	73	4510 H	7000	4.47
269	3.0L	904	611	18:29:55	-38:45:28	210293/	0:17	-1:48	A	6.60	.00	434	143	236	13394 H	25000	3.08
270	.5C	908	603	18:29:55	-38:45:28	210293/	0:12	-2: 5	A	6.60	.00	101	37	25	1514 H	4350	4.04
271	3.0C	900	603	18:29:55	-38:45:28	210293/	0: 8	-2:42	A	6.60	.00	306	91	22	8962 H	3300	4.34
272	10.0C	907	600	18:29:55	-38:45:28	210293/	0:12	-1:47	A	6.60	.00	433	180	37	27070 H	5000	3.89
273	30.0C	912	593	18:29:55	-38:45:28	210293/	0: 9	-1:40	A	6.60	.00	398	317	79	45363 H	4000	4.13
274	1.0L	905	609	18:29:56	-38:45:51	210294/	0: 9	-1:21	B8	6.00	.00	203	77	74	4433 H	7000	4.47
275	3.0L	904	611	18:29:56	-38:45:51	210294/	0:16	-1:25	B8	6.00	.00	434	143	236	13394 H	25000	3.08
276	.5C	908	603	18:29:56	-38:45:51	210294/	0:12	-1:42	B8	6.00	.00	101	37	25	1514	4350	4.04
277	3.0C	900	603	18:29:56	-38:45:51	210294/	0: 8	-2:19	B8	6.00	.00	306	91	22	8962	3300	4.34
278	10.0C	907	600	18:29:56	-38:45:51	210294/	0:12	-1:23	B8	6.00	.00	433	180	37	27070	5000	3.89
279	30.0C	912	593	18:29:56	-38:45:51	210294/	0: 9	-1:17	B8	6.00	.00	398	317	79	45363	4000	4.13
280	1.0L	905	609	18:29:57	-38:45:51	210295/	0: 9	-1:22	B8	5.95	.00	203	74	76	4225 H	7000	4.47
281	3.0L	904	611	18:29:57	-38:45:51	210295/	0:15	-1:25	B8	5.95	.00	434	143	236	13394 H	25000	3.08
282	.5C	908	603	18:29:57	-38:45:51	210295/	0:12	-1:42	B8	5.95	.00	101	37	25	1514	4350	4.04
283	3.0C	900	603	18:29:57	-38:45:51	210295/	0: 8	-2:20	B8	5.95	.00	306	91	22	8962	3300	4.34
284	10.0C	907	600	18:29:57	-38:45:51	210295/	0:12	-1:24	B8	5.95	.00	433	180	37	27070	5000	3.89
285	30.0C	912	593	18:29:57	-38:45:51	210295/	0: 9	-1:18	B8	5.95	.00	398	317	79	45363	4000	4.13
286	1.0L	905	609	18:29:58	-38:45:29	210296/	0: 9	-1:43	B9	6.55	.00	203	74	76	4225 H	7000	4.47
287	3.0L	904	611	18:29:58	-38:45:29	210296/	0:14	-1:47	B9	6.55	.00	434	143	236	13394 H	25000	3.08
288	.5C	908	603	18:29:58	-38:45:29	210296/	0:12	-2: 6	B9	6.55	.00	101	37	25	1514 H	4350	4.04
289	3.0C	900	603	18:29:58	-38:45:29	210296/	0: 8	-2:41	B9	6.55	.00	306	91	22	8962 H	3300	4.34
290	10.0C	907	600	18:29:58	-38:45:29	210296/	0:12	-1:45	B9	6.55	.00	433	180	37	27070 H	5000	3.89
291	30.0C	912	593	18:29:58	-38:45:29	210296/	0: 9	-1:39	B9	6.55	.00	398	317	79	45363 H	4000	4.13
292	3.0L	509	474	18:30: 8	-30: 6: 7	210298	0: 0	0: 1	B9	8.51	8.16	293	9	260	399	510	7.33
293	10.0C	512	464	18:30: 8	-30: 6: 7	210298	0: 3	0: 1	B9	8.51	8.16	52	4	26	95?L	48	8.96
294	30.0C	517	455	18:30: 8	-30: 6: 7	210298	-0:11	0:37	B9	8.51	8.16	84	30	53	771 L	40	9.16
295	1.0L	242	382	18:30:10	-24: 8:51	186959	-0: 5	-0:53	B3	6.75	.00	183	36	74	1730 L	2300	5.69
296	3.0L	241	384	18:30:10	-24: 8:51	186959/	-0: 3	-0:53	B3	6.75	.00	405	68	260	4830	5400	4.75
297	.5C	245	377	18:30:10	-24: 8:51	186959	0: 8	-0:45	B3	6.75	.00	68	13	23	412 L	1780	5.01
298	3.0C	237	376	18:30:10	-24: 8:51	186959	-0: 7	-1:47	B3	6.75	.00	219	58	20	3716 L	1630	5.11
299	10.0C	245	374	18:30:10	-24: 8:51	186959	-0: 3	-1:21	B3	6.75	.00	352	111	34	11131 L	1920	4.93
300	30.0C	248	370	18:30:10	-24: 8:51	186959/	0:14	-0: 6	B3	6.75	.00	371	231	67	27153 L	2200	4.78

SAGITTARIUS EAST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
301	1.0L	813	577	18:30:13	-36:48:16	210302/	0: 6	-1:56	B9	8.78	8.46	113	20	76	563 H	1437	6.20
302	3.0L	813	578	18:30:13	-36:48:16	210302/	0: 5	-2:46	B9	8.78	8.46	371	52	261	5000?H	5050	4.83
303	3.0C	808	570	18:30:13	-36:48:16	210302/	0: 6	-2:50	B9	8.78	8.46	115	34	21	1572 H	750	5.96
304	10.0C	816	568	18:30:13	-36:48:16	210302/	0:13	-3:32	B9	8.78	8.46	317	78	33	7183 H	1040	5.60
305	30.0C	820	561	18:30:13	-36:48:16	210302/	0:12	-2:17	B9	8.78	8.46	296	154	63	15809 H	1150	5.49
306	1.0L	813	577	18:30:16	-36:50:38	210304/	0: 3	0:26	B9	8.04	7.60	113	20	76	563 H	1437	6.20
307	3.0L	813	578	18:30:16	-36:50:38	210304/	0: 2	-0:23	B9	8.04	7.60	371	52	261	5000?H	5050	4.83
308	3.0C	808	570	18:30:16	-36:50:38	210304/	0: 2	-0:27	B9	8.04	7.60	115	34	21	1572 H	750	5.96
309	10.0C	816	568	18:30:16	-36:50:38	210304/	0:10	-1:10	B9	8.04	7.60	317	78	33	7183 H	1040	5.60
310	30.0C	820	561	18:30:16	-36:50:38	210304/	0: 8	0: 5	B9	8.04	7.60	296	154	63	15809 H	1150	5.49
311	3.0L	215	374	18:30:17	-23:33:39	186962	-0: 9	-1:48	B8	8.70	.00	271	5	242	133?L	230	8.20
312	10.0C	217	365	18:30:17	-23:33:39	186962	0: 2	-1:52	B8	8.70	.00	68	15	30	427 L	87	8.31
313	30.0C	223	355	18:30:17	-23:33:39	186962	-0:15	-0:36	B8	8.70	.00	109	53	64	1767?L	79	8.41
314	3.0L	825	582	18:30:18	-37: 7:18	210305	-0: 1	0:30	B9	8.95	8.75	286	42	226	1613?H	1500	6.15
315	10.0C	829	573	18:30:18	-37: 7:18	210305	0: 6	-1:27	B9	8.95	8.75	83	16	36	532	95	8.21
316	30.0C	833	566	18:30:18	-37: 7:18	210305	0: 6	0:58	B9	8.95	8.75	116	51	70	1679	77	8.44
317	3.0L	392	441	18:30:28	-27:31:35	186968	0: 1	0:18	B8	8.50	.00	318	39	272	1078 H	1200	6.40
318	10.0C	395	431	18:30:28	-27:31:35	186968	0: 1	-0: 9	B8	8.50	.00	70	15	29	444 L	89	8.28
319	30.0C	400	422	18:30:28	-27:31:35	186968	-0: 4	1:28	B8	8.50	.00	109	43	64	1402 L	63	8.66
320	3.0L	300	411	18:30:39	-25:29:15	186975	-0: 5	-0:25	B9	8.30	.00	310	47	254	1577 H	1570	6.10
321	3.0C	291	407	18:30:39	-25:29:15	186975?	0:26	2:40	B9	8.30	.00	63	12	19	350	280	7.03
322	10.0C	303	402	18:30:39	-25:29:15	186975/	0: 2	-0: 4	B9	8.30	.00	84	21	30	783D	112	8.03
323	30.0C	303	397	18:30:39	-25:29:15	186975?	0:13	9:12	B9	8.30	.00	180	52	65	2700	120	7.96
324	1.0L	640	520	18:30:40	-33: 3:19	210312/	-0: 2	0:49	B3	5.38	.00	388	111	81	9234	20600	3.29
325	3.0L	639	521	18:30:40	-33: 3:19	210312/	-0: 2	1:11	B3	5.38	.00	456	325	272	27550	43500	2.48
326	.5C	643	514	18:30:40	-33: 3:19	210312/	0: 5	0:19	B3	5.38	.00	292	60	25	4800	12800	2.86
327	3.0C	635	514	18:30:40	-33: 3:19	210312/	-0: 3	0: 0	B3	5.38	.00	412	149	24	15448	8400	3.32
328	10.0C	642	511	18:30:40	-33: 3:19	210312/	-0: 1	0:48	B3	5.38	.00	431	319	29	43013	7700	3.42
329	30.0C	647	503	18:30:40	-33: 3:19	210312/	-0: 4	0:49	B3	5.38	.00	412	655	61	82796 L	6700	3.57
330	3.0L	172	364	18:30:42	-22:40:38	186976	-0: 2	-0:60	B8	9.40	.00	262	9	231	239?	350	7.74
331	3.0L	241	384	18:30:44	-24: 9:44	186977?	-0:36	-0: 1	B9	7.82	.00	405	68	260	4830 H	5400	4.75
332	.5C	245	377	18:30:44	-29: 9:44	186977	-0:26	0: 8	B9	7.82	.00	68	13	23	412 H	1780	5.01
333	30.0C	248	370	18:30:44	-24: 9:44	186977:	-0:19	0:47	B9	7.82	.00	371	231	67	27153 H	2200	4.78
334	1.0L	640	520	18:30:48	-33: 0: 1	210314:	-0: 9	-2:30	B9	6.88	.00	388	111	81	9234 H	20600	3.29
335	3.0L	639	521	18:30:48	-33: 0: 1	210314:	-0: 9	-2: 8	B9	6.88	.00	456	325	272	27550	43500	2.48
336	.5C	643	514	18:30:48	-33: 0: 1	210314:	-0: 3	-2:59	B9	6.88	.00	292	60	25	4800 H	12800	2.86
337	3.0C	635	514	18:30:48	-33: 0: 1	210314:	-0:10	-3:19	B9	6.88	.00	412	149	24	15448 H	8400	3.32
338	10.0C	642	511	18:30:48	-33: 0: 1	210314:	-0: 8	-2:31	B9	6.88	.00	431	319	29	43013 H	7700	3.42
339	30.0C	647	503	18:30:48	-33: 0: 1	210314:	-0:11	-2:30	B9	6.88	.00	412	655	61	82796 H	6700	3.57
340	3.0L	372	441	18:30:59	-27: 5:31	186984	0: 7	-1:54	A0	9.20	.00	298	6	266	170?	300	7.91
341	30.0C	896	596	18:31: 0	-38:29:15	210317	0: 1	-0:44	A0	9.38	9.26	88	9	66	187?L	18	10.03
342	3.0L	295	414	18:31: 1	-25:25: 9	186986	-0: 2	0:14	B8	9.00	.00	347	45	255	2036?H	2000	5.84
343	3.0C	291	407	18:31: 1	-25:25: 9	186986/	0: 4	-1:26	B8	9.00	.00	63	12	19	350	285	7.01
344	10.0C	303	402	18:31: 1	-25:25: 9	186986?	-0:21	-4:10	B8	9.00	.00	84	21	30	783D	112	8.03
345	10.0C	299	404	18:31: 1	-25:25: 9	186986	0: 2	-0:36	B8	9.00	.00	132	33	30	1711D	221	7.29
346	30.0C	302	400	18:31: 1	-25:25: 9	186986	0:20	0:39	B8	9.00	.00	180	79	65	6000 H	340	6.82
347	3.0L	542	494	18:31: 2	-30:55:20	210318	-0: 4	0:55	B9	7.15	.00	324	11	260	469 L	545	7.26
348	3.0C	538	487	18:31: 2	-30:55:20	210318	-0: 4	-0:17	B9	7.15	.00	67	10	20	315 L	265	7.09
349	10.0C	546	484	18:31: 2	-30:55:20	210318	-0: 5	-0:42	B9	7.15	.00	145	32	26	1774 L	240	7.20
350	30.0C	550	476	18:31: 2	-30:55:20	210318	-0: 6	0:30	B9	7.15	.00	177	82	52	5370 L	250	7.16

UNCLASSIFIED

SAGITTARIUS EAST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
351	3.0L	149	363	18:31:22	-22:15: 2	186994	-0: 3	-0:44	B8	9.00	.00	270	36	224	1231 H	1100	6.49
352	10.0C	153	353	18:31:22	-22:15: 2	186994	-0: 6	-2:21	B8	9.00	.00	81	25	34	807	130	7.87
353	30.0C	157	346	18:31:22	-22:15: 2	186994	0: 1	-0:18	B8	9.00	.00	141	114	65	4365	230	7.25
354	3.0L	697	549	18:31:24	-34:23:57	210329	0: 2	0:11	B9	9.21	8.90	306	6	275	172	310	7.87
355	10.0C	701	538	18:31:24	-34:23:57	210329	-0: 4	-0:59	B9	9.21	8.90	60	5	30	131 L	65	8.63
356	30.0C	705	531	18:31:24	-34:23:57	210329	0: 2	1: 2	B9	9.21	8.90	91	11	60	294 L	46	9.00
357	3.0L	286	416	18:31:32	-25:14:48	186997	-0: 6	-0:12	B9	9.30	.00	286	8	253	216		
358	3.0L	288	420	18:31:32	-25:14:48	186997	0:11	-4:10	B9	9.30	.00	284	18	255	446?H	890*	6.72
359	10.0C	289	407	18:31:32	-25:14:48	186997	0: 3	-1:25	B9	9.30	.00	55	6	29	137 L	57	8.77
360	30.0C	293	401	18:31:32	-25:14:28	186997	0:11	0:37	B9	9.30	.00	97	29	67	683 L	36	9.27
361	10.0C	346	429	18:31:43	-26:30:58	187001	0: 3	-1:28	A0	9.10	.00	58	5	30	127 L	51	8.89
362	30.0C	350	421	18:31:43	-26:30:58	187001	-0: 0	1:19	A0	9.10	.00	92	14	67	285 L	26	9.63
363	10.0C	928	627	18:31:44	-39:18:52	210338	0:14	-2:46	A0	8.78	8.45	64	12	35	300	100	8.16
364	30.0C	932	621	18:31:44	-39:18:52	210338	0:20	-0:44	A0	8.78	8.45	102	28	71	709 L	36	9.27
365	3.0L	212	390	18:31:50	-23:35:38	187002	-0:15	-2:35	A0	9.50	.00	262	4	237	89?	180	8.46
366	30.0C	493	469	18:31:55	-29:41:47							96	5	58	140?	17	10.09
367	3.0L	631	534	18:32:10	-32:55:53	210344	-0: 9	-2:41	A0	6.85	.00	297	18	267	439 L	585	7.18
368	30.0C	637	517	18:32:10	-32:55:53	210344	0: 1	0: 8	A0	6.85	.00	82	5	60	99?L	15	10.23
369	1.0L	141	370	18:32:19	-22: 7:54	187010	-0: 2	-0:51	B3	8.50	.00	100	14	69	359	976	6.62
370	3.0L	141	371	18:32:19	-22: 7:54	187010	-0: 7	-1:37	B3	8.50	.00	352	54	231	2916 H	2600	5.55
371	3.0C	136	363	18:32:19	-22: 7:54	187010	-0: 8	-1:26	B3	8.50	.00	82	30	20	1147	595	6.21
372	10.0C	143	361	18:32:19	-22: 7:54	187010	-0: 6	-0:52	B3	8.50	.00	182	72	32	4584	645	6.12
373	30.0C	148	354	18:32:19	-22: 7:54	187010	-0: 7	-0:46	B3	8.50	.00	283	177	67	16566	1200	5.45
374	30.0C	461	465	18:32:26	-29: 1:27							112	7	55	251?	20	9.91
375	30.0C	172	362	18:32:27	-22:38:23	187015	-0:18	-0: 4	B9	9.20	.00	90	24	67	528?L	29	9.51
376	3.0L	355	453	18:32:38	-26:51:13	187021	-0: 2	-0:16	B9	9.60	.00	287	6	262	138?	260	8.06
377	30.0C	356	438	18:32:38	-26:51:13	187021?	0:24	6:31	B9	9.60	.00	89	4	67	85?L	13	10.38
378	10.0C	538	501	18:32:48	-30:52: 7	210354	-0: 1	-1: 7	A0	9.27	8.84	60	10	26	263	74	8.48
379	30.0C	541	496	18:32:48	-30:52: 7	210354	0:12	0:29	A0	9.27	8.84	86	27	52	737	40	9.16
380	3.0L	682	558	18:32:51	-34: 9:24	210355	-0:10	0:21	B9	9.07	8.72	307	6	280	138	275	8.00
381	10.0C	686	549	18:32:51	-34: 9:24	210355	0: 1	-1:59	B9	9.07	8.72	77	18	31	562	102	8.13
382	30.0C	690	540	18:32:51	-34: 9:24	210355	-0:12	0: 0	B9	9.07	8.72	115	50	59	1922	88	8.30
383	3.0L	325	453	18:32:58	-26:16:41	187027?	0:30	1: 1	B9	8.90	.00	297	33	255	1075?H	1050	6.54
384	3.0L	614	538	18:32:59	-32:38:27	210358	-0: 4	-1:23	B9	8.95	8.51	312	26	259	799 H	880	6.73
385	10.0C	617	528	18:32:59	-32:38:27	210358	-0: 3	-1:45	B9	8.95	8.51	78	15	27	522	98	8.18
386	30.0C	620	522	18:32:59	-32:38:27	210358	0: 6	1:27	B9	8.95	8.51	108	54	51	2116	98	8.18
387	3.0L	491	499	18:33: 3	-29:58:38	187030	-0:14	4: 7	A2	9.71	9.73	286	4	260	97?	200	8.35
388	3.0L	594	537	18:33: 4	-32:20:31	210360?	0:17	5:27	A3	9.70	9.81	279	4	253	101	200	8.35
389	30.0C	396	453	18:33:12	-27:38:28							87	10	61	231?	21	9.86
390	1.0L	220	411	18:33:18	-23:56	N6656	-0: 5	0:54	GLOB		6.5	76	49	73	49	49	9.88
391	3.0L	223	414	18:33:18	-23:56	N6656	0: 0	0: 0	GLOB		6.5	266	49	250	195	65	9.58
392	3.0C	214	404	18:33:18	-23:56	N6656	-0: 9	1:24	GLOB		6.5	28	49	21	100	33	9.37
393	10.0C	224	405	18:33:18	-23:56	N6656	0: 5	-2:42	GLOB		6.5	40	49	34	128	13	10.38
394	30.0C	228	395	18:33:18	-23:56	N6656	-0:11	-0:36	GLOB		6.5	79	49	72	216	7	11.06
395	3.0L	284	441	18:33:31	-25:21:20	187037	0:11	-1: 9	B9	8.50	.00	279	6	253	131 L	245	8.13
396	10.0C	287	430	18:33:31	-25:21:20	187037	0: 5	-1: 9	B9	8.50	.00	74	16	31	472	92	8.25
397	30.0C	292	421	18:33:31	-25:21:20	187037	-0: 7	-0:22	B9	8.50	.00	115	52	65	1829	84	8.35
398	3.0L	834	622	18:33:32	-37:27:24	210367	0: 9	-4:36	A2	8.30	8.19	259	36	215	1178 H	760	6.89
399	3.0C	46	345	18:33:41	-20:21:23	187040	-0:23	-0:32	B5	8.20	.00	56	17	19	480	330E	6.85
400	10.0C	54	343	18:33:41	-20:21:23	187040	-0:23	-1: 7	B5	8.20	.00	128	68	31	3300	445E	6.53

SAGITTARIUS EAST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
401	10.0C	685	560	18:33:52	-34:13:20	210370	-0: 1	-0:48	A0	9.33	9.01	54	4	30	90 L	46	9.00
402	30.0C	690	550	18:33:52	-34:13:20	210370	-0:15	-0: 0	A0	9.33	9.01	88	15	59	380 L	25	9.67
403	30.0C	120	366	18:34: 1	-21:41:37	187052	0: 3	-0:22	B8	9.10	.00	87	13	64	278?L	22	9.81
404	3.0L	200	422	18:34:21	-23:39:25	187059	0:15	2: 6	B9	9.10	.00	260	11	232	271?	370	7.68
405	30.0C	211	402	18:34:21	-23:39:25	187059	-0: 7	0:34	B9	9.10	.00	106	6	76	165?L		
406	30.0C	204	404	18:34:21	-23:39:25	187059?	0:14	6:54	B9	9.10	.00	142	29	67	1191?	65*	8.63
407	1.0L	698	580	18:34:24	-34:35:19	210378	0: 2	-1: 4	B8	7.93	7.30	140	16	80	610 H	900	6.71
408	3.0L	697	581	18:34:24	-34:35:19	210378	0: 2	-0:40	B8	7.93	7.30	393	30	281	1878 H	1800	5.95
409	3.0C	692	573	18:34:24	-34:35:19	210378	-0: 3	-0:19	B8	7.93	7.30	126	26	21	1225 H	600	6.20
410	10.0C	700	570	18:34:24	-34:35:19	210378	-0: 2	-0:38	B8	7.93	7.30	268	57	33	4765 H	635	6.14
411	30.0C	704	563	18:34:24	-34:35:19	210378	-0: 3	0:34	B8	7.93	7.30	282	121	67	11250 H	810	5.87
412	3.0L	747	601	18:34:28	-35:43:38	210379	0:13	0:38	A0	9.46	9.15	279	6	255	128	250	8.11
413	1.0L	402	489	18:34:31	-28: 1:44	187063	0: 4	0:12	B2	8.60	.00	111	6	80	148 L	465	7.43
414	3.0L	401	490	18:34:31	-28: 1:44	187063	0: 3	0:39	B2	8.60	.00	360	23	277	879 L	980	6.62
415	3.0C	396	483	18:34:31	-28: 1:44	187063	0: 5	0:36	B2	8.60	.00	67	13	19	439 L	435	6.55
416	10.0C	404	480	18:34:31	-28: 1:44	187063	0: 3	0:16	B2	8.60	.00	143	35	28	2027 L	270	7.07
417	30.0C	409	471	18:34:31	-28: 1:44	187063	-0:10	1: 2	B2	8.60	.00	190	92	62	5960 L	335	6.84
418	3.0L	134	397	18:34:33	-22: 9:46	187064	-0: 3	-2:22	B9	9.40	.00	251	14	215	398?H	450	7.47
419	3.0L	806	618	18:34:34	-36:55:15	210380	-0:18	-3:39	A2	9.52	9.32	263	3	241	62 L	140	8.74
420	10.0C	849	627	18:34:39	-37:50:53	210381	0: 7	-1: 7	A2	9.58	9.24	64	8	35	195	62	8.68
421	30.0C	852	621	18:34:39	-37:50:53	210381	0:17	0:35	A2	9.58	9.24	96	15	64	415?	46*	9.00
422	30.0C	852	623	18:34:39	-37:50:53	210381?	0:29	-0:11	A2	9.58	9.24	93	10	63	256?L		
423	1.0L	182	418	18:34:54	-23:14:12	187070	0: 5	-0:19	B9	9.40	.00	125	27	71	917 H	1390	6.23
424	3.0L	182	419	18:34:54	-23:14:12	187070	0: 1	-1: 4	B9	9.40	.00	397	63	242	4254 H	4300	5.00
425	3.0C	177	412	18:34:54	-23:14:12	187070	0: 4	-1:14	B9	9.40	.00	112	32	19	1557 H	740	5.97
426	10.0C	185	409	18:34:54	-23:14:12	187070	-0: 0	-1:26	B9	9.40	.00	249	72	33	5546 H	830	5.85
427	30.0C	190	401	18:34:54	-23:14:12	187070	-0: 6	-0:59	B9	9.40	.00	315	163	70	16460 H	1260	5.39
428	3.0L	549	541	18:35: 6	-31:21:31	210386	-0:11	-0:22	B8	9.15	8.71	306	6	258	213	330	7.80
429	10.0C	553	531	18:35: 6	-31:21:31	210386	-0: 4	-1: 6	B8	9.15	8.71	75	16	25	564 L	104	8.11
430	30.0C	557	523	18:35: 6	-31:21:31	210386	-0:10	0:28	B8	9.15	8.71	104	43	51	1572 L	63	8.66
431	3.0L	806	629	18:35: 8	-37: 1:13	210388:	0:14	-1:55	A5	9.59	9.74	297	18	260	451 H	530	7.29
432	3.0C	801	622	18:35: 8	-37: 1:13	210388:	0:15	-2: 2	A5	9.59	9.74	51	6	21	155 H	200	7.40
433	10.0C	809	619	18:35: 8	-37: 1:13	210388:	0:22	-2:39	A5	9.59	9.74	115	36	32	1610 H	225	7.27
434	30.0C	814	611	18:35: 8	-37: 1:13	210388:	0: 9	-0:41	A5	9.59	9.74	150	79	65	3963 H	195	7.43
435	3.0L	670	581	18:35:14	-34: 2:34	210392	-0: 3	-0:46	B9	8.55	8.07	329	8	286	246?L	400	7.59
436	3.0C	665	573	18:35:14	-34: 2:34	210392	-0: 7	-0:25	B9	8.55	8.07	53	6	19	158	205	7.37
437	10.0C	673	570	18:35:14	-34: 2:34	210392	-0: 1	-1: 7	B9	8.55	8.07	109	23	31	988	145	7.75
438	30.0C	676	565	18:35:14	-34: 2:34	210392	0:11	0:30	B9	8.55	8.07	139	63	59	2968	135	7.83
439	3.0L	806	629	18:35:18	-37: 2:44	210394/	0: 4	-0:24	B8	9.02	8.65	297	18	260	451	530	7.29
440	3.0C	801	622	18:35:18	-37: 2:44	210394/	0: 5	-0:32	B8	9.02	8.65	51	6	21	155 L	200	7.40
441	10.0C	809	619	18:35:18	-37: 2:44	210394/	0:12	-1: 8	B8	9.02	8.65	115	36	32	1610	225	7.27
442	30.0C	814	611	18:35:18	-37: 2:44	210394/	-0: 1	0:50	B8	9.02	8.65	150	79	65	3963	195	7.43
443	3.0L	836	642	18:35:27	-37:42: 3	210397	0: 2	-0:49	B8	8.92	8.49	344	44	255	1480 H	1100	6.49
444	3.0C	831	635	18:35:27	-37:42: 3	210397	0: 9	-1:21	B8	8.92	8.49	68	21	21	632 H	385	6.69
445	10.0C	839	632	18:35:27	-37:42: 3	210397	0: 7	0: 1	B8	8.92	8.49	183	51	35	3285 H	415	6.60
446	30.0C	844	623	18:35:27	-37:42: 3	210397	-0: 3	0:26	B8	8.92	8.49	208	125	63	8709 H	550	6.30
447	1.0L	195	429	18:35:28	-23:32:57	187080	0: 2	-0:48	B9	5.75	.00	243	52	71	3210 H	4450	4.97
448	3.0L	194	430	18:35:28	-23:32:57	187080	-0: 1	-0:21	B9	5.75	.00	425	110	240	8934 H	12000	3.88
449	.5C	198	426	18:35:28	-23:32:57	187080	0:23	-2:21	B9	5.75	.00	91	25	22	966	3100	4.41
450	3.0C	190	423	18:35:28	-23:32:57	187080	0: 0	-1:42	B9	5.75	.00	310	69	24	6208	2850	4.50

UNCLASSIFIED

SAGITTARIUS EAST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
451	10.0C	198	421	18:35:28	-23:32:57	187080	0: 2	-2:18	B9	5.75	.00	399	132	36	15916	2750	4.54
452	30.0C	201	416	18:35:28	-23:32:57	187080	0:14	-0:40	B9	5.75	.00	389	325	74	39192	3300	4.34
453	30.0C	852	623	18:35:30	-37:55: 4	210400?	-0:21	3:59	A2	7.75	7.63	93	10	63	256?L	21	9.86
454	1.0L	513	535	18:35:39	-30:33:49	210403	-0: 4	-2:21	B8	7.62	.00	98	4	75	89 L	385	7.64
455	3.0L	511	536	18:35:39	-30:33:49	210403	-0: 6	1: 7	B8	7.62	.00	349	20	264	982	980	6.62
456	3.0C	507	529	18:35:39	-30:33:49	210403	-0: 6	-0: 6	B8	7.62	.00	66	9	19	301 L	255	7.13
457	10.0C	515	526	18:35:39	-30:33:49	210403	-0: 1	-0:49	B8	7.62	.00	144	32	27	1730 L	230	7.25
458	30.0C	519	519	18:35:39	-30:33:49	210403	-0: 2	0:22	B8	7.62	.00	171	86	52	5403 L	275	7.05
459	1.0L	465	521	18:35:40	-29:39:00	NO	-0: 2	0: 4				120	10	74	258	384	7.64
460	3.0L	464	523	18:35:40	-29:31:00	NO	0: 3	-0: 4				345	12	255	680	382	7.64
461	3.0C	571	550	18:35:44	-32: 0:47	NO	0: 1	-0:10				40	4	18	85	160	7.64
462	10.0C	579	547	18:35:44	-32: 0:47	NO	0: 0	-0:30				85	22	27	801	135	7.83
463	30.0C	583	539	18:35:44	-32: 0:47	NO	-0: 1	0:41				110	43	50	1720	75	8.47
464	3.0L	675	591	18:35:59	-34:12:42	210408	0: 1	-0:29	A0	6.64	.00	358	61	265	2730	2700	5.51
465	3.0C	670	583	18:35:59	-34:12:42	210408	-0: 4	-0: 9	A0	6.64	.00	80	12	20	441 L	305	6.94
466	10.0C	678	580	18:35:59	-34:12:42	210408	-0: 4	-0:26	A0	6.64	.00	170	38	31	2284 L	305	6.94
467	30.0C	683	571	18:35:59	-34:12:42	210408	-0:12	-0: 4	A0	6.64	.00	196	101	65	6070 L	355	6.77
468	3.0L	405	509	18:36: 4	-28:13:35	187089	-0: 2	-0:31	B9	7.46	.00	306	7	270	187 L	330	7.80
469	10.0C	408	499	18:36: 4	-28:13:35	187089	0: 4	-1:16	B9	7.46	.00	68	13	28	375 L	84	8.35
470	30.0C	411	495	18:36: 4	-28:13:35	187089?	0:23	1: 9	B9	7.46	.00	100	44	58	1390 L	63	8.66
471	3.0L	596	568	18:36: 9	-32:28:16	210409	-0: 1	-0:57	B9	9.05	8.63	326	4	271	162	280	7.98
472	3.0C	591	560	18:36: 9	-32:28:16	210409	-0: 5	-0:35	B9	9.05	8.63	45	4	19	93	168	7.59
473	10.0C	599	557	18:36: 9	-32:28:16	210409	-0: 0	-1:17	B9	9.05	8.63	91	22	28	831	135	7.83
474	30.0C	603	551	18:36: 9	-32:28:16	210409	0: 5	-0:30	B9	9.05	8.63	118	52	55	2132	100	8.16
475	30.0C	627	564	18:36:13	-33: 2:25	210412?	0:31	-0: 9	A0	7.85	.00	80	15	54	341?L	25	9.67
476	3.0L	117	413	18:36:29	-22: 0:41	187096	-0: 9	1:13	A0	8.20	.00	242	14	215	319	395	7.61
477	10.0C	121	405	18:36:29	-22: 0:41	187096	-0: 2	-1: 4	A0	8.20	.00	66	18	31	501	97	8.19
478	30.0C	126	398	18:36:29	-22: 0:41	187096	-0: 2	0:12	A0	8.20	.00	118	70	66	2373	110	8.05
479	1.0L	456	529	18:36:37	-29:23: 7	187100	-0: 1	0: 5	B	9.50	.00	105	5	75	124	587	7.18
480	3.0L	455	530	18:36:37	-29:23: 7	187100	-0: 2	0:25	B	9.50	.00	341	317	259	2016 H	2000	5.84
481	3.0C	451	523	18:36:37	-29:23: 7	187100	-0: 2	-0:48	B	9.50	.00	58	11	18	311	270	7.07
482	10.0C	459	520	18:36:37	-29:23: 7	187100	-0: 4	-1: 6	B	9.50	.00	123	30	28	1440	200	7.40
483	30.0C	463	513	18:36:37	-29:23: 7	187100	0: 2	-0:19	B	9.50	.00	153	75	55	4284	205	7.37
484	30.0C	81	389	18:37: 3	-21: 0:44	187111?	-0: 1	-6:37	B9	9.00	.00	93	16	66	379?L	24	9.71
485	3.0L	148	434	18:37: 9	-22:42:37	187112	-0: 1	0:36	B5	8.90	.00	293	47	215	1848 H	1700	6.02
486	3.0C	144	427	18:37: 9	-22:42:37	187112	0: 5	-1:10	B5	8.90	.00	58	13	20	373	290	6.99
487	10.0C	152	425	18:37: 9	-22:42:37	187112	0: 6	-1:41	B5	8.90	.00	128	47	31	2362	320	6.89
488	30.0C	156	418	18:37: 9	-22:42:37	187112	0: 7	-0:28	B5	8.90	.00	198	123	66	8144	510	6.38
489	30.0C	627	564	18:37:10	-33: 2:44	210435?	-0:26	0: 9	A0	9.20	8.88	80	15	54	341?L	24	9.71
490	10.0C	481	535	18:37:27	-29:55:51	NO*	-0: 9	-0:37				78	16	26	563	103	8.12
491	30.0C	484	530	18:37:27	-29:55:51	NO*	0: 9	0:36				113	54	56	2062	105	8.10
492	3.0L	91	418	18:37:39	-21:32:31	187119	-0:13	0:32	B9	8.80	.00	246	23	211	604?H	610	7.13
493	10.0C	94	409	18:37:39	-21:32:31	187119	-0: 4	-0:33	B9	8.80	.00	76	30	30	946	150	7.71
494	30.0C	99	402	18:37:39	-21:32:31	187119	-0: 3	0:43	B9	8.80	.00	130	98	65	3957	210*	7.35
495	30.0C	97	408	18:37:39	-21:32:31	187119?	0:31	0:46	B9	8.80	.00	101	7	64	206 L		
496	3.0L	255	479	18:37:41	-25: 3:35	187120	0: 3	0: 9	A0	9.00	.00	275	7	245	172?	290	7.94
497	3.0L	931	695	18:37:42	-39:44:54	210450?	-0:30	-5: 8	A2	8.84	8.79	259	6	230	149	260	8.06
498	10.0C	935	684	18:37:42	-39:44:54	210450?	-0:27	-6:40	A2	8.84	8.79	72	24	37	649	113	8.02
499	30.0C	939	677	18:37:42	-39:44:54	210450?	-0:29	-4:17	A2	8.84	8.79	111	80	68	2386	120	7.96
500	30.0C	465	522	18:37:43	-29:22:27	187122?	-0:24	-6:29	A3	8.80	.00	94	4	60	101?L	14	10.30

SAGITTARIUS EAST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
501	3.0L	751	633	18:37:44	-35:56: 7	210451	-0:15	-4:20	A2	10.10	9.62	286	11	257	255 H		
502	3.0L	743	631	18:37:44	-35:56: 7	210451?	-0: 6	5:35	A2	10.10	9.62	290	11	260	270	800*	6.84
503	3.0C	525	559	18:37:54	-31: 7:10	210457	-0: 7	-1:12	B8	8.82	8.50	51	5	19	127 L	195	7.43
504	10.0C	533	557	18:37:54	-31: 7:10	210457	-0: 3	-1:52	B8	8.82	8.50	104	25	27	1047	160	7.64
505	30.0C	536	552	18:37:54	-31: 7:10	210457	0:15	-0:39	B8	8.82	8.50	130	63	50	3111	140	7.79
506	30.0C	315	483	18:38: 4	-26:12:21							157	10	65	506?	26	9.63
507	1.0L	428	538	18:38: 8	-28:52:25	187128	0: 2	-0: 9	B8	7.90	.00	115	7	77	208	550	7.25
508	3.0L	428	539	18:38: 8	-28:52:25	187128	-0: 1	-0:55	B8	7.90	.00	356	21	269	1076	1050	6.54
509	3.0C	423	532	18:38: 8	-28:52:25	187128	0: 1	-0:57	B8	7.90	.00	83	16	20	611	370	6.73
510	10.0C	431	529	18:38: 8	-28:52:25	187128	-0: 1	-1:13	B8	7.90	.00	192	44	28	2781	345	6.80
511	30.0C	435	521	18:38: 8	-28:52:25	187128	-0: 7	0:20	B8	7.90	.00	220	104	57	7786	440	6.54
512	1.0L	630	599	18:38:13	-33:20:31	210464	-0: 4	-2: 1	B9	8.87	8.37	106	5	79	116	440	7.49
513	3.0L	629	601	18:38:13	-33:20:31	210464	-0: 4	-1:47	B9	8.87	8.37	346	27?	277?	1492 H	1400	6.23
514	3.0C	624	593	18:38:13	-33:20:31	210464	-0: 1	-0:38	B9	8.87	8.37	66	10	19	342 H	270	7.07
515	10.0C	632	590	18:38:13	-33:20:31	210464	-0: 1	-0:54	B9	8.87	8.37	152	34	30	1864 H	250	7.16
516	30.0C	636	582	18:38:13	-33:20:31	210464	-0: 8	0:38	B9	8.87	8.37	170	97	60	5115 H	265	7.09
517	3.0L	279	492	18:38:14	-25:28:41	187130?	-0: 5	-7:58	A0	9.30	.00	291	98	248	2648?H	2800	5.47
518	1.0L	364	525	18:38:39	-27:29:36	187141	0: 5	-0:43	B5	8.30	.00	111	7	79	180 L	505	7.34
519	3.0L	363	526	18:38:39	-27:29:36	187141	0: 3	-0:16	B5	8.30	.00	372	17	275	969	950	6.65
520	3.0C	359	518	18:38:39	-27:29:36	187141	-0: 1	-1: 8	B5	8.30	.00	77	16	21	554 L	350	6.79
521	10.0C	367	516	18:38:39	-27:29:36	187141	0: 2	-1:46	B5	8.30	.00	171	41	33	2548	315	6.90
522	30.0C	371	508	18:38:39	-27:29:36	187141	0: 1	-0:36	B5	8.30	.00	215	97	70	7129	440	6.54
523	1.0L	586	593	18:38:54	-32:24:58	210478	-0: 3	-1: 3	B8	7.76	7.11	176	20	80	994 H	1280	6.32
524	3.0L	584	594	18:38:54	-32:24:58	210478	-0: 7	0:59	B8	7.76	7.11	409	62	273	2228 H	2500	5.59
525	3.0C	580	587	18:38:54	-32:24:58	210478	-0: 2	-0:38	B8	7.76	7.11	152	30	21	1776 H	800	5.89
526	10.0C	588	584	18:38:54	-32:24:58	210478	-0: 2	-0:54	B8	7.76	7.11	309	77	29	6965 H	1000	5.64
527	30.0C	592	577	18:38:54	-32:24:58	210478	-0: 3	0:15	B8	7.76	7.11	317	172	56	17120 H	1200	5.45
528	3.0L	460	559	18:39: 0	-29:39: 2	187151	0: 0	-0:26	B9	8.60	.00	336	13	269	502	600	7.15
529	3.0C	455	551	18:39: 0	-29:39: 2	187151	-0: 3	-0: 5	B9	8.60	.00	50	5	19	124	190	7.46
530	10.0C	463	549	18:39: 0	-29:39: 2	187151	0: 1	-0:44	B9	8.60	.00	107	25	27	1120	165	7.61
531	30.0C	468	538	18:39: 0	-29:39: 2	187151	-0:18	0:22	B9	8.60	.00	132	50	59	2319	110	8.05
532	3.0L	506	579	18:39: 2	-30:40:35	210479?	0:29	-3: 4	A2	9.12	8.85	274	4	248	98	195	8.38
533	3.0L	162	464	18:39: 9	-23:10:57	187154	0: 6	1:24	A0	9.00	.00	253	11	221	275	370	7.68
534	10.0C	166	455	18:39: 9	-23:10:57	187154	0: 8	-0:28	A0	9.00	.00	54	4	31	91 L	48	8.96
535	30.0C	172	446	18:39: 9	-23:10:57	187154	-0: 5	-0:53	A0	9.00	.00	99	39	65	1048	48	8.96
536	3.0L	815	672	18:39:21	-37:35:15	210485?	-0:19	5: 9	A2	10.50	10.32	282	8	252	211?H	340	7.77
537	1.0L	901	709	18:39:25	-39:20: 6	210488	0:18	-0:41	B8	7.09	.00	120	44	71	1350 H	2539	5.58
538	3.0L	901	710	18:39:25	-39:20: 6	210488	0:17	-1:25	B8	7.09	.00	384	110	236	7377 H	9900	4.09
539	3.0C	896	702	18:39:25	-39:20: 6	210488	0:11	-1:19	B8	7.09	.00	131	67	20	3450 H	1600	5.13
540	10.0C	904	700	18:39:25	-39:20: 6	210488	0:20	-1:45	B8	7.09	.00	384	131	38	15499 H	2640	4.58
541	30.0C	908	695	18:39:25	-39:20: 6	?10488?	0:37	-1:41	B8	7.09	.00	359	237	69	29419 H	2400	4.69
542	30.0C	351	512	18:39:31	-27: 7:20							124	4	83	121?	14	10.30
543	10.0C	496	566	18:39:32	-30:26:52	NO	0:10	-0:40				50	4	25	93	49	8.93
544	30.0C	501	556	18:39:32	-30:26:52	NO	-0:10	0:40				81	20	52	498	29	9.51
545	3.0L	115	454	18:39:38	-22:13:11	187169	0: 9	-0:13	B8	8.60	.00	233	9	206	218 L	300	7.91
546	10.0C	119	443	18:39:38	-22:13:11	187169	0: 3	-0: 8	B8	8.60	.00	67	22	30	616 L	112	8.03
547	30.0C	123	438	18:39:38	-22:13:11	187169	0:14	0:21	B8	8.60	.00	111	68	64	2329 L	114	8.01
548	3.0L	369	540	18:39:46	-27:41:53	187170	0: 3	-0:31	B9	8.40	.00	330	13	267	542	620	7.12
549	3.0C	364	533	18:39:46	-27:41:53	187170	0: 5	-0:34	B9	8.40	.00	53	6	20	160 L	200	7.40
550	10.0C	372	530	18:39:46	-27:41:53	187170	0: 2	-0:48	B9	8.40	.00	104	24	33	1012	150	7.71

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SAGITTARIUS EAST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
551	30.0C	376	524	18:39:46	-27:41:53	187170	0: 8	-0: 0	B9	8.40	.00	147	60	72	2738	125	7.91
552	3.0L	657	629	18:40: 5	-34: 5: 0	210498	-0: 5	-1:28	A0	9.39	8.95	315	15	276	420	580	7.19
553	10.0C	660	619	18:40: 5	-34: 5: 0	210498	-0: 4	-1:49	A0	9.39	8.95	62	10	31	258	72	8.51
554	3.0L	726	654	18:40: 7	-35:41:46	210499	0: 7	3:40	A5	9.74	9.80	407	157	281	4347?H	5800	4.68
555	3.0L	124	465	18:40:19	-22:27:40	187185	0: 7	1: 6	B9	7.60	.00	244	34	204	1047	900	6.71
556	10.0C	128	455	18:40:19	-22:27:40	187185	0: 4	-0:22	B9	7.60	.00	72	21	31	625 L	112	8.03
557	30.0C	133	446	18:40:19	-22:27:40	187185	-0: 7	0:25	B9	7.60	.00	114	70	67	2324 L	113	8.02
558	3.0L	853	702	18:40:21	-38:22:24	210501	0:15	-1:28	A0	5.13	.00	289	22	248	618 L	690	7.00
559	3.0C	847	694	18:40:21	-38:22:24	210501	0:11	-0: 9	A0	5.13	.00	61	20	20	586 L	375	6.71
560	10.0C	856	691	18:40:21	-38:22:24	210501	0:12	-1:26	A0	5.13	.00	178	57	35	3447 L	450	6.52
561	30.0C	860	683	18:40:21	-38:22:24	210501	0:10	-0:16	A0	5.13	.00	193	118	65	7952 L	490	6.42
562	30.0C	583	590	18:40:22	-32:18:48							93	28	56	820?	42	9.10
563	1.0L	727	661	18:40:58	-35:41:35	210509	0: 3	0: 3	B3	4.82	.00	423	201	82	20549 H	56000	2.20
564	3.0L	726	663	18:40:58	-35:41:35	210509	0: 9	0: 9	B3	4.82	.00	469	440	284	41500	61000	2.11
565	.5C	730	655	18:40:58	-35:41:35	210509	0: 8	-0:27	B3	4.82	.00	390	121	27	11900 H	38500	1.66
566	3.0C	721	655	18:40:58	-35:41:35	210509	0: 4	0:23	B3	4.82	.00	446	304	20	31444	18500	2.46
567	10.0C	728	652	18:40:58	-35:41:35	210509	0: 7	1:25	B3	4.82	.00	452	535	40	81361	16500	2.59
568	30.0C	735	643	18:40:58	-35:41:35	210509	-0: 6	-0:40	B3	4.82	.00	424	935	83	123354 L	15000	2.69
569	3.0L	227	511	18:40:59	-24:45: 9	187199	0:15	2:11	A0	9.20	.00	265	7	237	157?	270	8.02
570	3.0L	301	539	18:41:22	-26:16:45	187209	0:10	-3:17	A0	9.20	.00	286	17	255	444 H	550	7.25
571	3.0L	191	499	18:41:31	-23:53: 2	187211	-0:11	-3:19	A0	9.90	.00	247	16	219	366 H	490	7.37
572	10.0C	557	605	18:41:38	-31:56:22	210523/	-0: 3	0:42	A5	9.55	9.36	59	7	29	183 H	61	8.70
573	30.0C	561	597	18:41:38	-31:56:22	210523/	-0: 4	1:50	A5	9.55	9.36	88	26	52	723 H	38	9.21
574	10.0C	557	605	18:41:45	-31:54:11	210526/	-0:10	-1:29	B9	9.70	9.18	59	7	29	183 L	61	8.70
575	30.0C	561	597	18:41:45	-31:54:11	210526/	-0:10	-0:21	B9	9.70	9.18	88	26	52	723 L	38	9.21
576	1.0L	242	521	18:41:46	-25: 3:46	187216	0: 7	-0:31	B8	5.76	.00	215	40	72	2287	3250	5.31
577	3.0L	242	523	18:41:46	-25: 3:46	187216	0: 6	-1:26	B8	5.76	.00	418	139	242	6600?	9500	4.14
578	.5C	245	516	18:41:46	-25: 3:46	187216	0:21	-0:11	B8	5.76	.00	81	17	23	598	2180	4.79
579	3.0C	237	515	18:41:46	-25: 3:46	187216	0: 6	-1:21	B8	5.76	.00	254	57	22	4383	1910	4.94
580	10.0C	245	513	18:41:46	-25: 3:46	187216	0: 9	-0:39	B8	5.76	.00	380	110	38	11998	2020	4.88
581	30.0C	250	505	18:41:46	-25: 3:46	187216	0: 2	-0:18	B8	5.76	.00	373	213	86	25362 L	2400	4.69
582	3.0L	913	737	18:41:48	-39:46:37	NO*	0: 9	0:47				298	33	240	1316	1200	6.40
583	3.0C	910	729	18:41:48	-39:46:37	NO*	-0: 2	-1:32				65	33	21	983	540	6.32
584	10.0C	918	726	18:41:48	-39:46:37	NO*	0: 2	-0:23				197	91	38	6023	930	5.72
585	30.0C	922	717	18:41:48	-39:46:37	NO*	-0: 9	1: 8				227	168	72	12647	990	5.65
586	3.0L	203	509	18:41:50	-24:11:49	187220	-0: 2	-2:10	B9	9.10	.00	253	6	227	138?	240	8.15
587	3.0L	151	494	18:41:56	-23: 5: 8	187222	0: 6	-3:26	A0	9.40	.00	232	7	208	150?	240	8.15
588	10.0C	392	560	18:42: 0	-28:16:23	187225	-0: 7	-1:15	B9	8.10	.00	75	6	34	188 L		
589	10.0C	386	561	18:42: 0	-28:16:23	187225?	0: 9	5:37	B9	8.10	.00	87	29	35	968	200*	7.40
590	30.0C	397	549	18:42: 0	-28:16:23	187225?	-0:25	-0:11	B9	8.10	.00	111	12	68	393 L		
591	30.0C	390	554	18:42: 0	-28:16:23	187225?	0: 8	6:46	B9	8.10	.00	125	61	65	2480		
592	30.0C	395	555	18:42: 0	-28:16:23	187225	0: 7	0: 9	B9	8.10	.00	122	67	65	2616	260*	7.11
593	3.0L	400	579	18:42:17	-28:34:48							303	12	272	370	510	7.33
594	3.0C	407	576	18:42:30	-28:49:49	187237/	-0: 4	-1:22	A0	8.40	.00	60	10	20	296	260	7.11
595	10.0C	415	574	18:42:30	-28:49:49	187237/	0: 1	-0:43	A0	8.40	.00	128	30	30	1554	210	7.35
596	30.0C	420	563	18:42:30	-28:49:49	187237/	-0:23	0:42	A0	8.40	.00	164	77	61	4576	230	7.25
597	3.0C	407	576	18:42:31	-28:48:55	187238/	-0: 5	-2:16	A0	8.90	.00	60	10	20	296 H	260	7.11
598	10.0C	415	574	18:42:31	-28:48:55	187238/	-0: 0	-1:37	A0	8.90	.00	128	30	30	1554 H	210	7.35
599	30.0C	420	563	18:42:31	-28:48:55	187238/	-0:24	-0:12	A0	8.90	.00	164	77	61	4576 H	230	7.25
600	1.0L	331	559	18:42:32	-27: 2:38	187239	0: 7	-0:31	B8	3.30	.00	410	179	82	15152	39000	2.60

SAGITTARIUS EAST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
601	3.0L	332	561	18:42:32	-27: 2:38	187239	0: 2	-2:26	B8	3.30	.00	468	490	274	42000	63000	2.07
602	.5C	334	553	18:42:32	-27: 2:38	187239	0:12	-1: 0	B8	3.30	.00	374	113	25	7600	23000	2.22
603	3.0C	326	553	18:42:32	-27: 2:38	187239	0: 6	-1:19	B8	3.30	.00	453	277	25	32202	19000	2.43
604	10.0C	333	550	18:42:32	-27: 2:38	187239	0: 5	-0:16	B8	3.30	.00	452	617	35	81279	16000	2.62
605	30.0C	336	544	18:42:32	-27: 2:38	187239	0:12	1:43	B8	3.30	.00	434	874	97	125781 L	17000	2.55
606	3.0L	241	531	18:42:33	-25: 6:48	*						276	17	244	419	515	7.32
607	10.0C	895	725	18:42:34	-39:20:52	NO*	-0: 5	-0:13				64	12	38	271	72	8.51
608	30.0C	899	720	18:42:34	-39:20:52	NO*	0: 5	0:13				100	52	67	1422	65	8.63
609	10.0C	368	564	18:42:47	-27:49:52	187244	0: 7	-0:19	B9	9.00	.00	70	12	34	336	78	8.43
610	30.0C	372	558	18:42:47	-27:49:52	187244	0:13	0:27	B9	9.00	.00	113	35	75	1026	47	8.98
611	30.0C	317	540	18:42:54	-26:36:36							161	27	85	1059?	46	9.00
612	30.0C	876	719	18:43: 0	-38:53:30	210552	0:22	0: 1	B9	8.90	8.62	95	31	66	766?L	38	9.21
613	3.0L	518	625	18:43: 3	-31:11:23	210554	0:17	-4:44	A0	9.27	9.05	301	15	272	400 H	555	7.24
614	3.0L	153	512	18:43:22	-23:17:52	187258	0: 5	0:39	B	9.30	.00	232	10	203	230?	300	7.91
615	3.0L	326	571	18:43:37	-27: 2:18							326	23	274	850	960	6.64
616	1.0L	462	611	18:43:44	-30: 0:51	210563	-0: 2	-0:38	B3	9.73	8.94	114	9	76	254	585	7.18
617	3.0L	461	612	18:43:44	-30: 0:51	210563	-0: 8	0:16	B3	9.73	8.94	361	25	277	1078 H	1100	6.49
618	3.0C	457	605	18:43:44	-30: 0:51	210563	-0: 3	-1:23	B3	9.73	8.94	64	11	19	359	280	7.03
619	10.0C	465	602	18:43:44	-30: 0:51	210563	-0: 4	-1:33	B3	9.73	8.94	143	36	28	1924	255	7.13
620	30.0C	469	594	18:43:44	-30: 0:51	210563	-0: 5	-0:26	B3	9.73	8.94	175	81	56	5270	270	7.07
621	3.0L	719	693	18:43:47	-35:47: 2	210567	0:17	2:37	A0	10.30	9.71	300	13	270	325	450	7.47
622	3.0L	169	521	18:43:48	-23:40:42	187266	0: 0	-0: 3	A0	8.90	.00	246	26	211	680 H	1400*	6.23
623	3.0L	169	524	18:43:48	-23:40:42	187266	0:15	-1:10	A0	8.90	.00	251	26	199	789 H		
624	10.0C	173	513	18:43:48	-23:40:42	187266	0: 8	-2:10	A0	8.90	.00	60	8	31	199 L	64	8.64
625	30.0C	177	506	18:43:48	-23:40:42	187266	0: 9	0:13	A0	8.90	.00	100	41	64	1165	53	8.85
626	1.0L	806	721	18:43:54	-37:36:11	210570	0: 8	-0:46	B9	6.95	.00	110	19	72	527	1200	6.40
627	3.0L	805	722	18:43:54	-37:36:11	210570	0: 9	-0:16	B9	6.95	.00	380	51	259	3250	3100	5.36
628	3.0C	800	715	18:43:54	-37:36:11	210570	0:10	-0:30	B9	6.95	.00	116	36	21	1814 H	830	5.85
629	10.0C	809	711	18:43:54	-37:36:11	210570	0: 3	-1:24	B9	6.95	.00	338	80	38	8358 H	1260	5.39
630	30.0C	812	706	18:43:54	-37:36:11	210570/	0:24	1: 2	B9	6.95	.00	324	166	70	17373 H	1360	5.31
631	3.0L	119	507	18:43:55	-22:38:17	187270	0:10	1:17	A0	8.50	.00	221	11	191	254	300	7.91
632	10.0C	123	497	18:43:55	-22:38:17	187270	0: 7	-0: 7	A0	8.50	.00	67	16	30	443	89	8.28
633	30.0C	128	489	18:43:55	-22:38:17	187270	0: 1	0:16	A0	8.50	.00	112	68	65	2308	110	8.05
634	3.0L	105	502	18:43:57	-22:20:52	187272	0: 2	1: 4	B9	8.50	.00	218	12	186	323	330	7.80
635	10.0C	109	492	18:43:57	-22:20:52	187272	0: 1	0:51	B9	8.50	.00	63	20	29	525	100	8.16
636	30.0C	114	484	18:43:57	-22:20:52	187272	-0: 0	0:53	B9	8.50	.00	122	88	63	3231	155	7.68
637	10.0C	585	641	18:44: 8	-32:42:10	210575	-0: 3	-1:20	B9	8.75	8.29	63	8	31	214 L	55	8.63
638	30.0C	589	632	18:44: 8	-32:42:10	210575	-0:10	0: 9	B9	8.75	8.29	95	34	56	1037 L	49	8.93
639	3.0L	215	547	18:44:27	-24:34:14	187285?	0:11	-7:24	A2	9.00	.00	274	76	232	2176 H	2300	5.69
640	3.0L	382	598	18:44:28	-28:20: 6	187286	-0: 3	0:21	B9	7.24	.00	333	22?	272?	640	790	6.85
641	3.0C	378	590	18:44:28	-28:20: 6	187286	-0: 2	-0:56	B9	7.24	.00	54	9	21	222 L	235	7.22
642	10.0C	386	588	18:44:28	-28:20: 6	187286	0: 1	-1:27	B9	7.24	.00	94	21	34	790 L	125	7.91
643	30.0C	390	582	18:44:28	-28:20: 6	187286	0: 6	-0:41	B9	7.24	.00	134	62	73	2377 L	115	8.00
644	3.0L	162	528	18:44:35	-23:36:12							235	17	210	400	445	7.48
645	3.0L	248	557	18:44:36	-25:24:24							280	8	252	200	330	7.80
646	1.0L	327	583	18:44:47	-27: 8:29	187290	0: 1	0:26	B8	8.50	.00	107	4	80	102	503	7.34
647	3.0L	327	585	18:44:47	-27: 8:29	187290	-0: 2	-0:16	B8	8.50	.00	360	45	274	2000 H	1665	6.04
648	3.0C	322	578	18:44:47	-27: 8:29	187290	0: 5	-0:43	B8	8.50	.00	71	13	22	416	300	6.96
649	10.0C	330	575	18:44:47	-27: 8:29	187290	0: 3	-0:50	B8	8.50	.00	162	55	40	2755	347	6.80
650	30.0C	335	567	18:44:47	-27: 8:29	187290	-0: 3	0:29	B8	8.50	.00	225	104	90	8100	600	6.20

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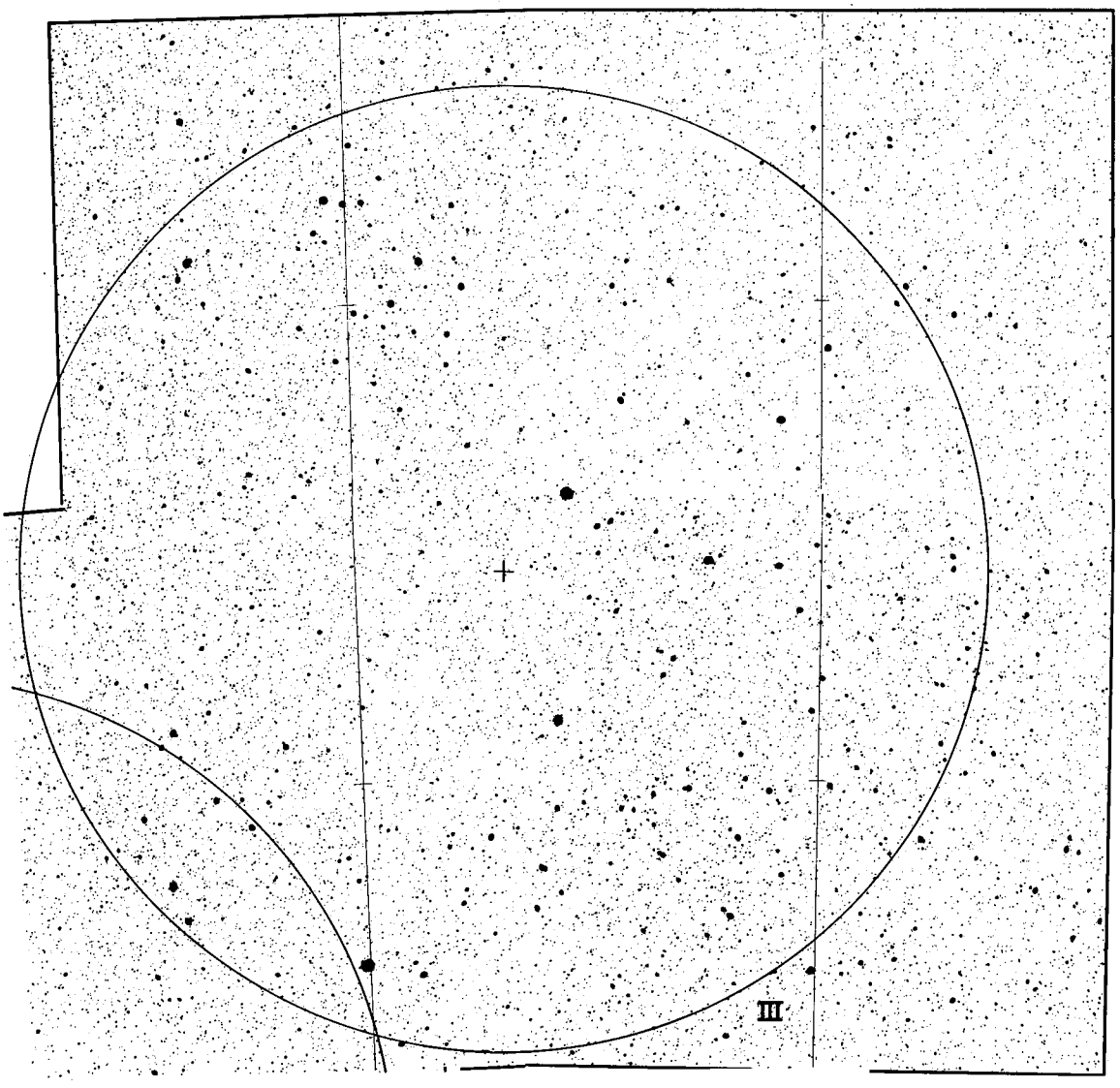

Fig. 5a — Preselected target field (Cetus). The approximate area covered by the S201 pointing is shown by the full circle.

SAGITTARIUS EAST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
651	1.0L	900	766	18:44:49	-39:39:32	210581	0:18	-1:13	A0	6.97	.00	90	5	68	108 L	1353	6.26
652	3.0L	899	767	18:44:49	-39:39:32	210581	0:20	-0:49	A0	6.97	.00	329	77	234	3665 H	3800	5.14
653	3.0C	895	760	18:44:49	-39:39:32	210581	0:19	-2:20	A0	6.97	.00	72	40	20	1337	700	6.03
654	10.0C	904	757	18:44:49	-39:39:32	210581	0:19	-3:30	A0	6.97	.00	251	109	40	8498 H	1350	5.32
655	30.0C	908	749	18:44:49	-39:39:32	210581	0:19	1:12	A0	6.97	.00	256	220	71	17259 H	1400	5.28
656	3.0L	643	678	18:44:50	-34: 7:44							303	8	277	200	360	7.71
657	3.0L	633	676	18:44:56	-33:57:51	210583	0: 3	2:48	A2	7.06	.00	302	6	277	138	275	8.00
658	3.0L	342	592	18:44:59	-27:29:10	187299	-0: 1	-0:12	B9	9.10	.00	313	20?	270?	400	570	7.21
659	3.0C	599	659	18:45: 0	-33:16:33	NO*	-0: 9	0: 1				74	11	20	379	280	7.03
660	10.0C	606	659	18:45: 0	-33:16:33	NO*	0:10	0: 0				168	15	31	934	125	7.91
661	3.0L	226	550	18:45: 5	-24:49:43	187301?	-0:28	-6:14	A2	8.60	.00	265	4	241	88	185	8.43
662	1.0L	544	650	18:45: 8	-31:55:17	210588	-0: 8	-0:40	B8	7.45	6.80	157	24	76	1031 H	1764	5.97
663	3.0L	543	650	18:45: 8	-31:55:17	210588	-0:12	-0: 5	B8	7.45	6.80	353	103	275	5450	7300	4.43
664	3.0C	539	643	18:45: 8	-31:55:17	210588	-0: 9	-1:27	B8	7.45	6.80	148	24	21	1386	640	6.13
665	10.0C	547	640	18:45: 8	-31:55:17	210588	-0: 9	-1:37	B8	7.45	6.80	297	70	33	6110	870	5.80
666	30.0C	550	635	18:45: 8	-31:55:17	210588	0: 3	-0: 1	B8	7.45	6.80	306	153	58	15005	1040	5.60
667	3.0L	461	631	18:45:25	-30: 3:21	210591?	-0: 6	-5:23	A0	9.51	9.24	311	13	275	380	545	7.26
668	10.0C	321	577	18:45:36	-26:54:32	187308?	-0:20	-4:42	A3	8.50	.00	70	9	39	227	66	8.61
669	30.0C	327	566	18:45:36	-26:54:32	187308?	-0:44	-3:17	A3	8.50	.00	122	38	87	1077	49	8.93
670	30.0C	607	660	18:46: 0	-33:14:42							219	18	57	1360?	54	8.83
671	3.0L	556	672	18:46:12	-32:17:52	210604?	0:23	-2: 2	A2	9.49	9.37	304	5	277	110	235	8.17
672	3.0L	202	565	18:46:27	-24:35:57	187317	0: 6	2: 5	A0	8.50	.00	274	15	235	435	515	7.32
673	10.0C	207	556	18:46:27	-24:35:57	187317	0: 7	-0:49	A0	8.50	.00	58	5	34	111 L	52	8.87
674	30.0C	210	552	18:46:27	-24:35:57	187317?	0:25	0:29	A0	8.50	.00	106	44	71	1187 L	53	8.85
675	3.0L	454	643	18:46:42	-30: 3:52	210613	-0:10	-0:10	B8	8.82	8.24	350	26	283	1200 H	1200	6.40
676	10.0C	458	633	18:46:42	-30: 3:52	210613	-0:10	-1:49	B8	8.82	8.24	95	25	30	943	150	7.71
677	30.0C	463	623	18:46:42	-30: 3:52	210613	-0:22	0: 1	B8	8.82	8.24	128	59	62	2551	120	7.96
678	30.0C	262	568	18:46:52	-25:41:59							114	7	87	163?	15	10.23
679	30.0C	283	580	18:47:16	-26:11:24							144	71	90	2448	120	7.96
680	3.0L	646	707	18:47:28	-34:21:50	210625	-0: 5	-0:28	B9	7.23	.00	344	35	274	2352 H	2200	5.73
681	3.0C	642	699	18:47:28	-34:21:50	210625	-0: 6	-0:28	B9	7.23	.00	73	12	21	428	295	6.98
682	10.0C	650	697	18:47:28	-34:21:50	210625	0: 0	-0:55	B9	7.23	.00	186	39	33	2440	300	6.96
683	30.0C	655	686	18:47:28	-34:21:50	210625	-0:20	0: 1	B9	7.23	.00	200	103	65	6570	390	6.67
684	3.0L	466	653	18:47:29	-30:17:52	210626?	-0:21	-4:30	A0	8.73	8.36	297	6	270	132 L	260	8.06
685	30.0C	126	533	18:47:34	-22:52:50	187337	0: 5	-0:43	B9	9.00	.00	84	28	57	669?L	37	9.24
686	3.0L	490	672	18:47:44	-31: 1:14	210631?	0:26	3:26	A0	7.88	.00	316	16	280	450	615	7.12
687	30.0C	503	647	18:47:44	-31: 1:14	210631	-0:18	-0:49	A0	7.88	.00	94	5	69	118?L	15	10.23
688	3.0L	486	664	18:47:46	-30:51:20	210632	-0:10	0:54	A0	8.67	.00	320	23	280	670	830	6.80
689	10.0C	491	654	18:47:46	-30:51:20	210632	-0: 9	-2: 1	A0	8.67	.00	54	3	32	63 L	36	9.27
690	30.0C	494	649	18:47:46	-30:51:20	210632	0: 7	-0:32	A0	8.67	.00	86	9	64	184 L	18	10.03
691	3.0L	510	675	18:47:58	-31:24:39							312	13	281	300	475	7.41
692	3.0L	187	577	18:48: 5	-24:26:49	187355?	-0: 7	5:22	B9	8.70	.00	242	12	216	276	370	7.68
693	3.0L	218	586	18:48: 7	-25: 3: 9	187357	-0:14	2:57	A2	9.30	.00	268	12	240	276 H	390	7.62
694	3.0L	299	615	18:48:11	-26:46:59	187359	-0: 5	1:26	A2	9.10	.00	297	6	260	177	300	7.91
695	3.0L	274	610	18:48:30	-26:13:31	NO	-0: 4	-0:38				324	13	292	400	580	7.19
696	10.0C	276	602	18:48:30	-26:13:31	NO	0: 6	-0:12				103	88	38	3114	440	6.54
697	30.0C	281	594	18:48:30	-26:13:31	NO	-0: 1	0:49				213	127	90	7827	580	6.24
698	30.0C	478	653	18:48:36	-30:33:34							87	4	62	91?	13	10.38
699	3.0L	739	750	18:48:40	-36:29: 7	210648	0: 1	-0:24	A2	9.36	9.44	286	18	258	450 H	570	7.21
700	30.0C	72	528	18:48:42	-21:55: 7	187369	-0: 5	4:34	A0	8.80	.00	80	4	56	93?L	15	10.23

SAGITTARIUS EAST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
701	3.0L	437	634	18:48:47	-29:50:36							308	30	274	780	960	6.64
702	10.0C	320	618	18:48:49	-27:11:55	187374	-0: 1	-0: 8	B5	9.30	.00	E9	19	45	585 L	100	8.16
703	30.0C	325	608	18:48:49	-27:11:55	187374	-0:18	0:53	B5	9.30	.00	150	38	95	1330	63	8.66
704	3.0L	273	615	18:48:51	-26:15:12							334	19	292	630	800	6.84
705	3.0L	440	671	18:49:11	-30: 0:31	210656	0: 9	3:55	A0	9.67	9.40	305	16	274	420	580	7.19
706	3.0L	167	590	18:49:16	-24: 3:58	187384	0:20	0:32	B9	9.30	.00	245	10	215	240	335	7.79
707	1.0L	479	680	18:49:29	-30:47:43	210663	-0: 9	-0:31	B8	6.63	.00	168	22	79	1015	1476	6.17
708	3.0L	479	681	18:49:29	-30:47:43	210663	-0:12	-1:10	B8	6.63	.00	413	83	286	4460	4800	4.88
709	3.0C	475	673	18:49:29	-30:47:43	210663	-0:15	-0:56	B8	6.63	.00	158	37	22	2197	990	5.65
710	10.0C	483	670	18:49:29	-30:47:43	210663	-0:16	-1: 0	B8	6.63	.00	328	85	34	8233	1200	5.45
711	30.0C	487	662	18:49:29	-30:47:43	210663	-0:17	0: 5	B8	6.63	.00	338	169	64	18917	1400	5.28
712	3.0L	601	717	18:49:30	-33:30:59							312	10	281	240	410	7.57
713	3.0L	502	691	18:49:36	-31:20:15							314	7	286	170	330	7.80
714	3.0L	573	711	18:49:49	-32:45:26	210673?	-0:12	-9:16	A0	10.50	10.03	303	4	277	84	190	8.41
715	3.0L	775	778	18:50: 1	-37:20: 9	210676	0:13	-1:10	A0	7.04	.00	292	10?	259?	207 L	350	7.74
716	10.0C	778	767	18:50: 1	-37:20: 9	210676	0: 9	-1: 6	A0	7.04	.00	99	27	42	910 L	140	7.79
717	30.0C	781	763	18:50: 1	-37:20: 9	210676?	0:33	-0:12	A0	7.04	.00	136	77	72	3102 L	150	7.71
718	3.0C	265	621	18:50: 3	-26:16:22							95	62	26	2649	1200	5.45
719	3.0L	186	605	18:50:18	-24:38:44	187408?	0: 2	7:39	B9	8.50	.00	239	12	209	295	355	7.72
720	10.0C	195	598	18:50:18	-24:38:44	187408	0:10	0:31	B9	8.50	.00	67	10	39	218 L	75	8.47
721	30.0C	201	588	18:50:18	-24:38:44	187408	-0: 9	0:21	B9	8.50	.00	116	84	68	2526	125	7.91
722	3.0L	488	696	18:50:25	-31:11: 7	210684?	-0: 3	6:26	A5	9.82	9.78	310	7	285	160	315	7.85
723	10.0C	518	700	18:50:37	-31:46:13	210690?	0:26	3:27	A3	9.37	9.17	99	23	33	886 H	140	7.79
724	30.0C	521	696	18:50:37	-31:46:13	210690:	-0:15	4:41	A3	9.37	9.17	127	57	67	2284 H	110	8.05
725	30.0C	620	714	18:50:38	-33:48:48	210692	-0: 7	-0:40	A0	9.88	9.16	91	7	66	156?L	17	10.09
726	3.0L	92	585	18:51: 6	-22:38: 1	187425	0: 2	1:17	B8	8.00	.00	228	42	182	1205	830	6.80
727	10.0C	95	575	18:51: 6	-22:38: 1	187425	0: 6	0:53	B8	8.00	.00	83	41	28	1365 L	210	7.35
728	30.0C	101	566	18:51: 6	-22:38: 1	187425	-0: 7	0:25	B8	8.00	.00	129	119	56	5008 L	270	7.07
729	10.0C	518	700	18:51:15	-31:41:41	210700/	-0:11	-1: 6	B9	9.29	8.64	99	23	33	886	140	7.79
730	30.0C	521	696	18:51:15	-31:41:41	210700/	0: 7	0: 9	B9	9.29	8.64	127	57	67	2284	110	8.05
731	3.0L	462	698	18:51:16	-30:38:48	210701?	-0: 6	5:12	A0	10.00	9.68	316	16	286	415	590	7.17
732	30.0C	473	681	18:51:16	-30:38:48	210701	-0: 7	0:59	A0	10.00	9.68	103	10	66	278?L	23	9.76
733	1.0L	197	620	18:51:18	-24:49:56	187431	0: 8	1: 2	B8	7.50	.00	102	10	66	283	670	7.03
734	3.0L	196	621	18:51:18	-24:49:56	187431	0: 6	1:37	B8	7.50	.00	351	37	230	2100	1950	5.87
735	3.0C	192	614	18:51:18	-24:49:56	187431	0: 7	0:15	B8	7.50	.00	86	22	21	853	475	6.46
736	10.0C	200	612	18:51:18	-24:49:56	187431	0:11	1:11	B8	7.50	.00	184	64	32	3975	530	6.34
737	30.0C	206	601	18:51:18	-24:49:56	187431	-0:13	1:21	B8	7.50	.00	263	179	73	12741	920	5.73
738	1.0L	146	605	18:51:26	-23:47: 3	187433	0: 7	1:15	A0	8.80	.00	93	8	65	178 H	450	7.47
739	3.0L	143	606	18:51:26	-23:47: 3	187433	-0: 9	-4: 5	A0	8.80	.00	210	0	196	0	200	8.35
740	1.0L	491	705	18:51:27	-31:11:32	210704	-0:10	0:22	A0	8.54	8.00	113	10	77	272 H	600	7.15
741	3.0L	490	706	18:51:27	-31:11:32	210704	-0:12	0:57	A0	8.54	8.00	377	29	295	1600	1600	6.08
742	3.0C	486	699	18:51:27	-31:11:32	210704	-0:11	-0:24	A0	8.54	8.00	78	14	20	525 H	330	6.85
743	10.0C	495	696	18:51:27	-31:11:32	210704	-0:14	-1:39	A0	8.54	8.00	188	45	35	2802 H	350	6.79
744	30.0C	499	688	18:51:27	-31:11:32	210704	-0:14	-0:34	A0	8.54	8.00	219	108	67	7536 H	470	6.47
745	1.0L	296	652	18:51:31	-26:57:13	187438	-0: 4	2: 1	B8	7.76	.00	115	23	78	635 H	950	6.65
746	3.0C	291	646	18:51:31	-26:57:13	187438	0: 2	0:49	B8	7.76	.00	88	34	26	1215	620	6.17
747	10.0C	299	644	18:51:31	-26:57:13	187438	0: 2	0:41	B8	7.76	.00	228	282	45	10800DH	2300	4.74
748	30.0C	303	636	18:51:31	-26:57:13	187438	-0: 3	1:45	B8	7.76	.00	334	121	179	16980 H	1950	4.92
749	3.0L	221	634	18:51:39	-25:21:22	187441	0:11	0:11	A0	9.00	.00	270	11	250	240	380	7.65
750	1.0L	267	651	18:52: 9	-26:21:38	187448	0: 3	1:17	B3	2.14	.00	472	979	100	108142	410000	.03

UNCLASSIFIED

SAGITTARIUS EAST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
751	3.0L	266	653	18:52: 9	-26:21:38	187448	0: 6	1:33	B3	2.14	.00	511	5600	273?	240000	560000	-.31
752	3.0C	261	643	18:52: 9	-26:21:38	187448	-0: 7	2:25	B3	2.14	.00	510	1187	26	182187	180000	-.02
753	10.0C	269	642	18:52: 9	-26:21:38	187448	0: 1	1:46	B3	2.14	.00	504	3502	38	452327	L250000	-.38
754	30.0C	276	633	18:52: 9	-26:21:38	187448	-0:14	-0: 1	B3	2.14	.00	484	5880	93	815223	L325000	-.67
755	3.0L	529	726	18:52:18	-32: 5:17	210720	-0:14	-0:37	B9	8.87	8.43	326	28	280	900	H 1050	6.54
756	10.0C	533	716	18:52:18	-32: 5:17	210720	-0: 9	-2:22	B9	8.87	8.43	69	12	34	335	L 75	8.47
757	30.0C	537	707	18:52:18	-32: 5:17	210720	-0:20	0:36	B9	8.87	8.43	104	36	66	1069	L 49	8.93
758	3.0C	238	641	18:52:32	-25:51:12							83	66	26	2325	1150	5.49
759	3.0L	471	719	18:52:46	-30:52:33							312	9	281	234	400	7.59
760	1.0L	114	614	18:52:58	-23:14:20	187468	0:12	1:58	B8	5.89	.00	137	41	60	1813	2400	5.64
761	3.0L	114	615	18:52:58	-23:14:20	187468	0: 8	1:21	B8	5.89	.00	407	82	201	7500	H 8600	4.25
762	3.0C	109	608	18:52:58	-23:14:20	187468	0:11	1: 8	B8	5.89	.00	181	73	20	4552	2120	4.82
763	10.0C	118	605	18:52:58	-23:14:20	187468	0: 6	0: 8	B8	5.89	.00	358	172	32	15317	2700	4.56
764	30.0C	123	597	18:52:58	-23:14:20	187468	-0: 0	0:29	B8	5.89	.00	389	344	64	41687	3300	4.34
765	3.0L	701	787	18:52:59	-35:56:15	210730	0:13	-0:27	B9	8.90	8.55	314	16	278	435	595	7.16
766	10.0C	705	775	18:52:59	-35:56:15	210730	0: 8	-1:33	B9	8.90	8.55	71	13	37	359	L 79	8.41
767	30.0C	708	770	18:52:59	-35:56:15	210730	0:20	0: 1	B9	8.90	8.55	106	41	70	1131	L 51	8.89
768	1.0L	769	811	18:53:17	-37:24:32	210734	0:18	-1:58	B5	5.41	.00	387	122	76	12741	H 30500	2.87
769	3.0L	767	812	18:53:17	-37:24:32	210734	0:20	-0: 9	B5	5.41	.00	461	276	276	24930	H 39000	2.60
770	.5C	772	805	18:53:17	-27:24:32	210734	0:25	-2: 4	B5	5.41	.00	270	71	28	5720	H 16000	2.62
771	3.0C	764	804	18:53:17	-37:24:32	210734	0:14	-1:22	B5	5.41	.00	434	161	21	19344	10600	3.07
772	10.0C	771	802	18:53:17	-37:24:32	210734?	0:23	-0:25	B5	5.41	.00	440	341	42	47831	9200	3.22
773	30.0C	776	795	18:53:17	-37:24:32	210734?	0:26	-0:55	B5	5.41	.00	409	636	74	80265	7200	3.49
774	3.0L	839	829	18:53:21	-38:47:11	210737?	-0:21	-6:49	B9	8.56	8.27	277	11	251	264	380	7.65
775	30.0C	842	817	18:53:21	-38:47:11	210737	0:18	-2:55	B9	8.56	8.27	98	18	72	407?L	24	9.71
776	3.0L	153	635	18:53:39	-24: 4: 7	187482	0: 6	-0:25	A2	9.10	.00	230	21	196	533?H	500	7.35
777	1.0L	584	756	18:53:40	-33:23:45	210749	-0: 7	0: 7	B9	7.16	.00	113	11	75	308	734	6.93
778	3.0L	583	757	18:53:40	-33:23:45	210749	-0: 2	0:24	B9	7.16	.00	386	60	280	2820	2800	5.47
779	3.0C	579	749	18:53:40	-33:23:45	210749	-0:13	-0:21	B9	7.16	.00	99	20	21	887	475	6.46
780	10.0C	587	747	18:53:40	-33:23:45	210749	-0: 2	-1: 1	B9	7.16	.00	240	51	36	3969	505	6.39
781	30.0C	592	738	18:53:40	-33:23:45	210749	-0:16	-0:31	B9	7.16	.00	259	113	70	9467	650	6.11
782	1.0L	647	777	18:53:53	-34:48:11							106	13	74	338	670	7.03
783	10.0C	398	703	18:54:11	-29:16:35	NO*	-0: 3	-0:22				67	8	34	223	68	8.58
784	30.0C	402	696	18:54:11	-29:16:35	NO*	0: 3	0:22				107	24	74	649	48	8.96
785	3.0C	257	667	18:54:12	-26:22:59							85	67	26	2559	1200	5.45
786	3.0L	109	635	18:54:34	-23:16:24	187499	0:17	1:36	A0	9.30	.00	203	7	179	157?	205	8.32
787	10.0C	844	842	18:54:47	-39: 1: 8	210764	0:22	-3:24	A0	8.94	8.63	66	5	42	111	L 50	8.91
788	30.0C	849	834	18:54:47	-39: 1: 8	210764	0:19	-2:23	A0	8.94	8.63	104	41	72	1111	51	8.89
789	3.0L	212	670	18:54:50	-25:28: 7	187508	0:14	3:27	A5	9.30	.00	257	6	234	119?	230	8.20
790	1.0L	620	783	18:54:55	-34:20:15	210769/	0:12	3: 3	B9	8.96	8.57	99	4	75	90	722	6.95
791	3.0L	619	784	18:54:55	-34:20:15	210769/	0:14	3:30	B9	8.96	8.57	362	40	281	1755	H 1850	5.92
792	3.0C	615	777	18:54:55	-34:20:15	210769/	0:14	2: 3	B9	8.96	8.57	81	18	21	677	H 390	6.67
793	10.0C	623	774	18:54:55	-34:20:15	210769/	0:14	2: 6	B9	8.96	8.57	232	54	38	3832	H 500	6.40
794	30.0C	628	764	18:54:55	-34:20:15	210769/	0: 2	3:46	B9	8.96	8.57	241	121	71	9215	H 630	6.15
795	3.0L	370	715	18:55: 4	-28:49:13	187511	-0:13	2:20	B9	8.68	.00	353	32	276	1760	1700	6.02
796	3.0C	366	707	18:55: 4	-28:49:13	187511	-0:12	0:58	B9	8.68	.00	50	4	24	91	L 162	7.63
797	10.0C	374	705	18:55: 4	-28:49:13	187511	-0: 8	0:41	B9	8.68	.00	111	29	38	1170	165	7.61
798	30.0C	379	696	18:55: 4	-28:49:13	187511	-0:21	1:14	B9	8.68	.00	152	72	78	3413	170	7.58
799	10.0C	652	782	18:55: 8	-34:54:13	210772	0: 1	-1:37	A0	8.29	8.12	74	15	38	415	L 84	8.35
800	30.0C	656	774	18:55: 8	-34:54:13	210772	0: 0	-0:36	A0	8.29	8.12	109	38	72	1072	L 49	8.93

SAGITTARIUS EAST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
801	3.0L	547	767	18:55: 9	-32:36:23	210774?	0: 7	-5:41	A5	9.96	9.77	310	6	282	150	270	8.02
802	1.0L	620	783	18:55:10	-34:16:57	210776/	-0: 3	-0:15	B9	7.17	.00	99	4	75	90 L	722	6.95
803	3.0L	619	784	18:55:10	-34:16:57	210776/	0: 0	0:12	B9	7.17	.00	362	40	281	1755	1850	5.92
804	3.0C	615	777	18:55:10	-34:16:57	210776/	-0: 0	-1:14	B9	7.17	.00	81	18	21	677	390	6.67
805	10.0C	623	774	18:55:10	-34:16:57	210776/	-0: 0	-1:12	B9	7.17	.00	232	54	38	3832	500	6.40
806	30.0C	628	764	18:55:10	-34:16:57	210776/	-0:13	0:28	B9	7.17	.00	241	121	71	9215	630	6.15
807	3.0L	292	697	18:55:11	-27: 5:37	187513	0: 6	-1:10	B9	8.80	.00	325	10	287	300	470	7.42
808	10.0C	293	684	18:55:11	-27: 5:37	187513	-0: 2	1:52	B9	8.80	.00	76	7	49	169 L	54	8.83
809	30.0C	299	673	18:55:11	-27: 5:37	187513?	-0:26	2:29	B9	8.80	.00	144	85	100	2600	130	7.87
810	1.0L	188	664	18:55:16	-24:56:42	187517	0: 4	1:35	A0	6.60	.00	90	8	65	177 L	867	6.75
811	3.0L	187	665	18:55:16	-24:56:42	187517	0: 1	2:12	A0	6.60	.00	320	44	226	2200	2300	5.69
812	3.0C	183	658	18:55:16	-24:56:42	187517	0: 8	0:28	A0	6.60	.00	76	24	20	819	470	6.47
813	10.0C	191	656	18:55:16	-24:56:42	187517	0:12	1:30	A0	6.60	.00	171	63	32	3706	459	6.49
814	30.0C	195	650	18:55:16	-24:56:42	187517	0:17	2:19	A0	6.60	.00	239	135	71	10642	840	5.83
815	10.0C	76	622	18:55:24	-22:35:53	187519	0: 7	3:23	A2	6.04	.00	56	15	29	353 L	82	8.37
816	30.0C	82	615	18:55:24	-22:35:53	187519	0: 6	3:24	A2	6.04	.00	98	75	55	2306 L	115	8.00
817	3.0L	328	713	18:55:35	-28: 1: 5	187522?	0: 9	5:43	A3	9.30	.00	294	5	270	110	245	8.13
818	3.0L	257	694	18:55:45	-26:25:28	NO	0:12	0:22				345	123	273	5140	7100	4.46
819	10.0C	262	682	18:55:45	-26:25:28	NO	-0: 1	-0:13				97	74	45	2500	350	6.79
820	30.0C	267	673	18:55:45	-26:25:28	NO	-0:10	-0: 8				217	123	120	4180	290	6.99
821	3.0L	197	675	18:55:51	-25:12: 8	187532	0: 5	2:14	B8	8.40	.00	312	36	228	1422 H	1250	6.35
822	3.0C	193	668	18:55:51	-25:12: 8	187532	0: 7	2: 2	B8	8.40	.00	54	12	20	305 L	285	7.01
823	10.0C	201	666	18:55:51	-25:12: 8	187532	0:10	1:53	B8	8.40	.00	118	44	35	1983	280	7.03
824	30.0C	206	658	18:55:51	-25:12: 8	187532	0: 3	2:10	B8	8.40	.00	191	107	77	6203	390	6.67
825	3.0L	250	693	18:55:58	-26:15:41	187534	0: 4	-0:39	A0	8.50	.00	279	4	268	92 L	200	8.35
826	3.0L	301	711	18:56:12	-27:14:47	187536?	0: 2	-7:16	A0	9.20	.00	302	5	280	110	230	8.20
827	3.0L	428	749	18:56:24	-30: 9:31							318	13	280	400	590	7.17
828	3.0L	237	690	18:56:25	-26: 0:54	187542	-0:15	0:55	B8	8.60	.00	291	48	250	1176?H	1200	6.40
829	10.0C	239	682	18:56:25	-26: 0:54	187542	-0: 3	1:25	B8	8.60	.00	79	24	40	677 L	115	8.00
830	30.0C	244	672	18:56:25	-26: 0:54	187542	-0:20	3: 6	B8	8.60	.00	149	102	100	3260	175	7.55
831	3.0L	527	777	18:56:34	-32:27:31	210797:	0: 4	5:31	A5	9.08	9.05	370	48	280	1980 H	2100	5.78
832	10.0C	532	766	18:56:34	-32:27:31	210797:	0: 3	4:10	A5	9.08	9.05	163	38	38	2260 H	370	6.73
833	30.0C	536	758	18:56:34	-32:27:31	210797:	-0: 3	5:31	A5	9.08	9.05	194	84	74	5348 H	310	6.92
834	3.0L	242	694	18:56:35	-26: 4:43	187545	-0:11	-2:39	A2	9.00	.00	282	7	257	147	280	7.98
835	1.0L	528	775	18:56:47	-32:22:33	210798	-0:14	0:55	A0	8.57	8.11	101	5	75	142	639	7.08
836	3.0L	527	777	18:56:47	-32:22:33	210798/	-0:10	0:33	A0	8.57	8.11	370	48	280	1980 H	2100	5.78
837	3.0C	523	769	18:56:47	-32:22:33	210798/	-0:14	0:41	A0	8.57	8.11	67	11	22	334	270	7.07
838	10.0C	532	766	18:56:47	-32:22:33	210798/	-0:10	-0:49	A0	8.57	8.11	163	38	38	2260 H	370	6.73
839	30.0C	536	758	18:56:47	-32:22:33	210798/	-0:16	0:33	A0	8.57	8.11	194	84	74	5348	310	6.92
840	3.0L	159	675	18:56:50	-24:28: 6	187551	0: 5	2:12	B8	8.40	.00	266	36	209	1161 H	1000	6.59
841	3.0C	154	668	18:56:50	-24:28: 6	187551	[illegible]: 8	1:59	B8	8.40	.00	44	4	22	81 L	[illegible]52	7.70
842	10.0C	162	666	18:56:50	-24:28: 6	187551	0:10	1:53	B8	8.40	.00	98	42	31	1670	238	7.21
843	30.0C	168	656	18:56:50	-24:28: 6	187551	-0: 2	2:31	B8	8.40	.00	161	112	64	5817	340	6.82
844	3.0L	335	730	18:56:51	-28: 7:14	187552	0: 8	-3:12	A2	7.71	.00	305	6	275	164?L	300	7.91
845	3.0L	586	794	18:57: 2	-33:40:49	210806	-0:16	0:12	A0	8.87	.00	313	5	286	107?	235	8.17
846	1.0L	258	704	18:57: 3	-26:27:46	NO	-0:10	-1:21				122	16	79	486	923	6.68
847	3.0L	254	707	18:57: 3	-26:27:46	NO	0: 5	1:43				314	15	277	450	871	6.74
848	10.0C	259	698	18:57: 3	-26:27:46	NO	0: 6	-0:22				70	6	45	135	53	8.85
849	10.0C	315	715	18:57:25	-27:42:57	187563	-0:11	2:50	A0	8.20	.00	85	18	41	558	97	8.19
850	30.0C	320	706	18:57:25	-27:42:57	187563?	-0:23	3:23	A0	8.20	.00	138	67	85	2394	120	7.96

UNCLASSIFIED

SAGITTARIUS EAST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
851	30.0C	114	656	18:57:37	-23:20:51	187566?	0:31	-2:54	A3	9.40	.00	94	6	57	179?L	18	10.03
852	1.0L	743	851	18:57:40	-37: 7:54	210815/	0:24	-1:55	B8	6.84	.00	202	65	77	3646 H	6015	4.64
853	3.0L	741	852	18:57:40	-37: 7:54	210815/	0:26	-0: 3	B8	6.84	.00	443	150	283	13500 H	21000	3.27
854	.5C	746	845	18:57:40	-37: 7:54	210815/	0:30	-2: 0	B8	6.84	.00	93	37	28	1427 H	4150	4.09
855	3.0C	738	844	18:57:40	-37: 7:54	210815/	0:18	-2:31	B8	6.84	.00	301	99	32	7971 H	4000	4.13
856	10.0C	746	842	18:57:40	-37: 7:54	210815/	0:27	-1:29	B8	6.84	.00	426	237	43	32643 H	6400	3.62
857	30.0C	750	834	18:57:40	-37: 7:54	210815/	0:26	-0:30	B8	6.84	.00	400	330	77	47036 H	4100	4.10
858	1.0L	743	851	18:57:41	-37: 7:57	210816/	0:23	-1:52	B8	6.62	.00	202	65	77	3646 H	6015	4.64
859	3.0L	741	852	18:57:41	-37: 7:57	210816/	0:25	0: 0	B8	6.62	.00	443	150	283	13500 H	21000	3.27
860	.5C	746	845	18:57:41	-37: 7:57	210816/	0:29	-1:57	B8	6.62	.00	93	37	28	1427 H	4150	4.09
861	3.0C	738	844	18:57:41	-37: 7:57	210816/	0:17	-2:27	B8	6.62	.00	301	99	32	7971 H	4000	4.13
862	10.0C	746	842	18:57:41	-37: 7:57	210816/	0:26	-1:25	B8	6.62	.00	426	237	43	32643 H	6400	3.62
863	30.0C	750	834	18:57:41	-37: 7:57	210816/	0:25	-0:27	B8	6.62	.00	400	330	77	47036 H	4100	4.10
864	1.0L	244	711	18:57:52	-26:16: 0							103	8	78	187	520	7.31
865	30.0C	513	771	18:58:15	-31:57:59							131	7	74	239?	19	9.97
866	3.0L	734	855	18:58:16	-36:57:44	210828/	0:17	-3:16	A0	6.88	.00	349	19	281	682	820	6.81
867	3.0C	728	848	18:58:16	-36:57:44	210828/	0:22	-1:53	A0	6.88	.00	66	26	23	782	450	6.52
868	10.0C	737	845	18:58:16	-36:57:44	210828/	0:24	-2:37	A0	6.88	.00	228	57	41	5433D	748	5.96
869	30.0C	742	835	18:58:16	-36:57:44	210828/	0: 5	-1:28	A0	6.88	.00	254	126	77	11722	950	5.70
870	3.0L	734	855	18:58:18	-36:56:51	210829/	0:15	-4: 9	B2	.00	.00	349	19	281	682	820	6.81
871	3.0C	728	848	18:58:18	-36:56:51	210829/	0:20	-2:46	B2	.00	.00	66	26	23	782	450	6.52
872	10.0C	737	845	18:58:18	-36:56:51	210829/	0:22	-3:20	B2	.00	.00	228	57	41	5433D	748	5.96
873	30.0C	742	835	18:58:18	-36:56:51	210829/	0: 3	-2:21	B2	.00	.00	254	126	77	11722	950	5.70
874	3.0L	685	842	18:58:25	-35:56:27	210833	0:17	-1:16	A0	8.07	7.80	315	15	280	403	575	7.20
875	10.0C	689	831	18:58:25	-35:56:27	210833	0:13	-1: 9	A0	8.07	7.80	96	22	48	676	108	8.07
876	30.0C	693	824	18:58:25	-35:56:27	210833	0:18	-0:29	A0	8.07	7.80	130	69	73	2682	125	7.91
877	3.0L	232	716	18:58:36	-26: 4:38	187583	-0: 7	-0: 9	A0	8.20	.00	260	21	234	473?	550	7.25
878	3.0L	677	843	18:58:45	-35:47:43	210841	0:16	-0:40	A0	9.83	9.48	304	4	282?	82?	190	8.41
879	3.0L	286	734	18:58:48	-27:17:14	187587/	-0:12	3:32	A0	9.40	.00	289	20	258	540 H	865*	6.75
880	3.0L	284	740	18:58:48	-27:17:14	187587/	0:20	3:57	A0	9.40	.00	284	5	258	115		
881	3.0L	286	734	18:58:50	-27:10: 0	187589:	-0:14	-3:42	A3	9.50	.00	289	20	258	540 H		
882	3.0L	279	738	18:58:50	-27:10: 0	187589	0:15	3:25	A3	9.50	.00	286	24	258	745 H	1800*	5.95
883	3.0L	284	740	18:58:50	-27:10: 0	187589:	0:19	-3:17	A3	9.50	.00	284	5	258	115		
884	3.0L	114	692	18:59:12	-23:46: 2	187595?	0:19	5:29	A0	8.60	.00	221	27	190	647 H	570	7.21
885	10.0C	119	682	18:59:12	-23:46: 2	187595	0:16	3:10	A0	8.60	.00	62	17	30	452	90	8.27
886	30.0C	125	672	18:59:12	-23:46: 2	187595	-0: 1	4: 9	A0	8.60	.00	108	78	60	2519	120	7.96
887	3.0L	626	832	18:59:14	-34:42:18	210852	0: 4	0:13	B9	7.21	.00	389	52	282	2650	2700	5.51
888	3.0C	622	824	18:59:14	-34:42:18	210852	-0: 1	-0:58	B9	7.21	.00	82	22	22	826	465	6.48
889	10.0C	630	822	18:59:14	-34:42:18	210852	0: 5	-1:10	B9	7.21	.00	244	58	41	4401	585	5.23
890	30.0C	634	815	18:59:14	-34:42:18	210852	0:10	-0:30	B9	7.21	.00	258	122	75	9925	730	5.99
891	3.0L	693	855	18:59:21	-36:10:10	210853	0:20	-0:55	A0	7.22	.00	320	5	287	141 L	280	7.98
892	10.0C	697	844	18:59:21	-36:10:10	210853?	0:21	-2:19	A0	7.22	.00	91	26	43	816 L	130	7.87
893	30.0C	701	836	18:59:21	-36:10:10	210853	0:15	0: 9	A0	7.22	.00	127	65	75	2353 L	115	8.00
894	30.0C	739	845	18:59:23	-36:59:29							132	13	74	454?	24	9.71
895	1.0L	409	773	18:59:25	-29:57:12	187600	-0:17	2:11	A2	2.71	.00	176	29	74	1490 L	1900	5.89
896	3.0L	408	775	18:59:25	-29:57:12	187600	-0:18	2:51	A2	2.71	.00	410	73	285	4940 L	5900	4.66
897	.5C	412	767	18:59:25	-29:57:12	187600	-0:10	1:36	A2	2.71	.00	76	16	25	510 L	2000	4.89
898	3.0C	404	767	18:59:25	-29:57:12	187600	-0:18	1:27	A2	2.71	.00	246	54	23	3996 L	1700	5.07
899	10.0C	412	764	18:59:25	-29:57:12	187600	-0:19	1:34	A2	2.71	.00	386	118	38	13056 L	3200	4.38
900	30.0C	417	756	18:59:25	-29:57:12	187600	-0:21	1:24	A2	2.71	.00	375	251	77	27363 L	2400	4.69

SAGITTARIUS EAST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
901	3.0L	641	839	18:59:35	-35: 3:38							310	9	283	229	400	7.59
902	3.0L	246	739	18:59:45	-26:25: 6	187606	0:15	-3:32	A0	9.00	.00	276	21	244	466 H	570	7.21
903	3.0L	758	874	18:59:48	-37:33:35	210858	-0:17	-1:49	A5	10.00	10.40	300	12	265	335 H	475	7.41
904	3.0L	284	751	18:59:54	-27:12: 5	187608?	0:12	-6: 2	A3	9.00	.00	284	8	260	176	320	7.84
905	1.0L	634	841	19: 0: 1	-34:55:19	NO						108	7	73	202	535	7.28
906	3.0L	394	781	19: 0:23	-29:41:18	187614?	-0:22	1:59	A0	8.60	.00	328	22	283	674 H	850	6.77
907	10.0C	393	774	19: 0:23	-29:41:18	187614?	0: 2	5:49	A0	8.60	.00	78	14	41	397	85	8.33
908	30.0C	402	762	19: 0:23	-29:41:18	187614?	-0:28	2: 5	A0	8.60	.00	111	22	82	550 L	28	9.54
909	1.0L	729	872	19: 0:26	-37: 0:21	NO						184	21	78	1177	1480	6.17
910	3.0L	477	809	19: 0:52	-31:31:53	210876	-0:14	0: 1	A0	8.98	8.55	329	13	292	351?	535	7.28
911	10.0C	480	798	19: 0:52	-31:31:53	210876	-0:16	1:21	A0	8.98	8.55	66	5	40	118 L	51	8.89
912	3.0L	257	749	19: 1: 3	-26:46:36	187629?	-0:26	0:14	A0	9.40	.00	282	4	258	88		
913	3.0L	260	757	19: 1: 3	-26:46:36	187629?	0: 8	-5:41	A0	9.40	.00	281	4	258	88	750*	6.91
914	3.0L	251	755	19: 1: 3	-26:46:36	187629?	0:15	5:31	A0	9.40	.00	282	4	258	88		
915	1.0L	457	806	19: 1:12	-31: 7:19	210883	-0:19	1:14	A0	5.53	.00	140	26	72	958	1697	6.02
916	3.0L	456	807	19: 1:12	-31: 7:19	210883	-0:20	1:56	A0	5.53	.00	414	69	284	4481	5200	4.80
917	3.0C	452	800	19: 1:12	-31: 7:19	210883	-0:18	1:43	A0	5.53	.00	167	45	22	2522	1140	5.50
918	10.0C	460	797	19: 1:12	-31: 7:19	210883	-0:13	1:32	A0	5.53	.00	356	101	42	9825	1600	5.13
919	30.0C	465	789	19: 1:12	-31: 7:19	210883	-0:21	1:39	A0	5.53	.00	350	211	83	21000	1900	4.94
920	30.0C	731	867	19: 1:22	-36:55:11	210888/	0:18	-2:14	A0	8.19	8.04	106	31	76	743 L	36	9.27
921	3.0L	275	767	19: 1:31	-27:12:21	187639	0: 8	-0:59	A2	8.80	.00	283	8	255	192	330	7.80
922	3.0L	451	810	19: 1:33	-31: 1:26	210894	-0:16	1: 9	A0	8.73	8.29	322	8	293	158	320	7.84
923	3.0L	774	906	19: 1:35	-38: 2:13	210895?	0:36	-4: 2	B9	7.21	.00	318	15	274	452 L	590	7.17
924	3.0C	770	898	19: 1:35	-38: 2:13	210895?	0:31	4:56	B9	7.21	.00	44	4	22	86 L	160	7.64
925	10.0C	779	895	19: 1:35	-38: 2:13	210895?	0:31	-5:10	B9	7.21	.00	134	66	43	3206	427	6.57
926	30.0C	783	887	19: 1:35	-38: 2:13	210895?	0:30	-4:15	B9	7.21	.00	178	145	75	7766	520	6.36
927	3.0L	179	739	19: 1:41	-25:18:24	187644?	0: 6	5:50	A0	6.87	.00	248	20	214?	512?L	540	7.27
928	10.0C	185	730	19: 1:41	-25:18:24	187644	0: 9	3:11	A0	6.87	.00	70	20	32	561 L	105	8.10
929	30.0C	190	722	19: 1:41	-25:18:24	187644	0: 2	3:26	A0	6.87	.00	114	75	65	2667 L	120	7.96
930	10.0C	726	876	19: 2: 6	-36:57: 5	210907	-0:18	-0:23	A2	9.71	9.96	69	5	46	105	48	8.36
931	30.0C	731	867	19: 2: 6	-36:57: 5	210907?	-0:27	-0:21	A2	9.71	9.96	106	31	76	743	36	9.27
932	1.0L	361	797	19: 2:37	-29: 9:29	187661	-0:19	3: 9	B8	6.92	.00	109	14	72	382	749	6.91
933	3.0L	360	798	19: 2:37	-29: 9:29	187661	-0:20	3:52	B8	6.92	.00	394	53	278	3000	2850	5.45
934	3.0C	356	791	19: 2:37	-29: 9:29	187661	-0:18	3:39	B8	6.92	.00	98	25	22	1038	540	6.32
935	10.0C	365	788	19: 2:37	-29: 9:29	187661	-0:21	2:38	B8	6.92	.00	260	63	38	5308	683	6.06
936	30.0C	369	781	19: 2:37	-29: 9:29	187661	-0:16	3:21	B8	6.92	.00	297	145	80	13551	1130	5.51
937	3.0L	480	834	19: 2:55	-31:46:20	210925	-0:13	2:22	A0	8.15	7.91	324	13	293	321	500	7.35
938	3.0C	476	826	19: 2:55	-31:46:20	210925	-0:18	1:14	A0	8.15	7.91	49	5	22	118 L	196	7.42
939	10.0C	485	823	19: 2:55	-31:46:20	210925	-0:14	-0: 8	A0	8.15	7.91	123	31	41	1391	185	7.48
940	30.0C	489	815	19: 2:55	-31:46:20	210925	-0:13	2: 4	A0	8.15	7.91	161	78	79	3853	195	7.43
941	1.0L	275	782	19: 3:12	-27:21:52	187672	-0: 4	2:41	B8	7.17	.00	94	8	69	180 L	520	7.31
942	3.0L	274	783	19: 3:12	-27:21:52	187672	-0: 6	3:23	B8	7.17	.00	359	34	275	1625	1600	6.08
943	3.0C	270	775	19: 3:12	-27:21:52	187672	-0:10	2:17	B8	7.17	.00	71	22	21	719 L	415	6.60
944	10.0C	278	773	19: 3:12	-27:21:52	187672	-0: 5	3:26	B8	7.17	.00	177	58	39	3376	445	6.53
945	30.0C	282	767	19: 3:12	-27:21:52	187672	0: 0	4:11	B8	7.17	.00	239	126	83	9486	750	5.96
946	3.0L	436	827	19: 3:20	-30:44:20	210935	-0:13	-3:58		9.96	10.65	306	5	282?	114?	240	8.15
947	3.0L	286	797	19: 3:49	-27:44:43	187683?	0:11	6:38	K0	3.42	.00	286	12	261	274	420	7.54
948	3.0L	123	748	19: 3:50	-24:16:21	187684?	0: 5	5:16	B9	8.70	.00	214	4	192?	83?L	150	8.66
949	3.0L	140	758	19: 4:11	-24:36: 8	187694	0: 7	1:49	A0	8.00	.00	223	5	200?	107?L	180	8.46
950	3.0L	123	748	19: 4:13	-24:12:36	187696/	-0:19	1:31	A2	9.50	.00	214	4	192?	83?	150	8.66

UNCLASSIFIED

SAGITTARIUS WEST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
1	1.0L	750	89	17:49:30	-31:37:28	209398	0: 0	0:51	B8	8.62	8.33	134	3	112	66	1587	6.09
2	3.0L	748	92	17:49:30	-31:37:28	209398	0: 4	-0:25	B8	8.62	8.33	475	34	446	885 H	9458	4.14
3	3.0C	745	82	17:49:30	-31:37:28	209398	-0:12	0:18	B8	8.62	8.33	57	13	27	317	260	7.11
4	10.0C	751	80	17:49:30	-31:37:28	209398	-0: 0	2: 3	B8	8.62	8.33	111	23	53	904	151E	7.71
5	10.0C	684	65	17:50:53	-30:12:35	NO	0: 1	-1: 4				85	11	58	264?	65	8.63
6	30.0C	688	57	17:50:53	-30:12:35	NO	-0: 1	1: 5				153	60	116	1821	100	8.16
7	10.0C	665	60	17:51:11	-29:50:35	185914	-0: 2	-0: 0	B8	9.20	.00	96	26	55	803D	187	7.47
8	30.0C	669	54	17:51:11	-29:50:35	185914	0:10	2: 4	B8	9.20	.00	171	98	120	4211 H	300	6.96
9	3.0L	838	159	17:51:14	-33:56: 0	209447/	0:10	2:34	A0	8.80	8.56	420	6	397	120	345	7.75
10	3.0L	838	159	17:51:19	-33:56:51	209449/	0: 5	3:25	B9	7.88	7.47	420	6	397	120 L	345	7.75
11	3.0L	838	159	17:51:22	-33:53:48	209450/	0: 2	0:22	A0	7.71	7.35	420	6	397	120	345	7.75
12	3.0L	652	73	17:51:31	-29:42:58	NO	0: 7	2:33				468	314	365	23693?	37000	2.65
13	10.0C	660	61	17:51:31	-29:42:58	NO	-0: 7	-2:32				83	13	58	286	70	8.55
14	10.0C	811	132	17:51:37	-33:11:15	209456	-0:18	-0: 6	B3	9.06	9.00	88	23	48	750 L	194	7.43
15	30.0C	814	128	17:51:37	-33:11:15	209456	0: 4	2: 9	B3	9.06	9.00	143	29	107	799 L	38E	9.21
16	10.0C	855	163	17:51:55	-34:13:39	209460	0: 9	-2:59	A0	.00	.00	88	16	56	400	77E	8.44
17	3.0L	747	124	17:52: 9	-31:55:17	NO						450	27	419?	683	1370	6.25
18	3.0L	591	53	17:52:10	-28:20:28	185937	0: 7	-0:44	B9	9.10	.00	463	6	434	160?	495	7.36
19	10.0C	595	39	17:52:10	-28:20:28	185937	-0: 7	-0: 7	B9	9.10	.00	84	8	57	191 L	57	8.77
20	30.0C	600	31	17:52:10	-28:20:28	185937	-0: 5	1: 9	B9	9.10	.00	148	14	115	392?L	25	9.67
21	1.0L	689	97	17:52:19	-30:32:41	209474/	0: 1	2:40	B3	8.60	8.70	124	5	112	168	409	7.57
22	3.0L	689	100	17:52:19	-30:32:41	209474/	0: 7	-5:17	B3	8.60	8.70	472	33	439	790	844	6.78
23	3.0C	682	91	17:52:19	-30:32:41	209474/	0: 5	-0:33	B3	8.60	8.70	60	17	26	435 L	305	6.94
24	10.0C	690	88	17:52:19	-30:32:41	209474/	0: 4	-1:41	B3	8.60	8.70	149	66	54	3168D	437	6.55
25	30.0C	695	81	17:52:19	-30:32:41	209474/	0:10	-0:46	B3	8.60	8.70	245	150	122	7600	750	5.96
26	3.0L	689	100	17:52:20	-30:40:32	209475/	0: 6	2:35	B9	8.86	8.65	472	33	439	790 H	844	6.78
27	1.0L	689	97	17:52:31	-30:33:51	209480/	0:13	1:30	A0	7.54	7.21	124	5	112	168	409	7.57
28	3.0L	689	100	17:52:31	-30:33:51	209480/	-0: 6	-4: 6	A0	7.54	7.21	472	33	439	790	844	6.78
29	3.0C	682	91	17:52:31	-30:33:51	209480/	-0: 7	0:37	A0	7.54	7.21	60	17	26	435 L	305	6.94
30	10.0C	690	88	17:52:31	-30:33:51	209480/	-0: 8	-0:31	A0	7.54	7.21	149	66	54	3168D	437	6.55
31	30.0C	695	81	17:52:31	-30:33:51	209480/	-0: 1	0:23	A0	7.54	7.21	245	150	122	7600	750	5.96
32	3.0L	846	178	17:52:36	-34:16:46	209482	0: 5	3:59	B9	8.06	7.71	410	13	384	290?	645	7.07
33	30.0C	852	161	17:52:36	-34:16:46	209482?	0:12	6:59	B9	8.06	7.71	127	28	101	650 L	32E	9.40
34	3.0L	765	145	17:52:59	-32:28: 6	209489	0: 7	1:37	O	6.62	.00	439	13	405	357 L	810	6.82
35	10.0C	772	131	17:52:59	-32:28: 6	209489	-0:14	-1: 5	O	6.62	.00	94	31	49	962 L	135	7.83
36	30.0C	776	126	17:52:59	-32:28: 6	209489	-0: 0	0:31	O	6.62	.00	156	84	103	2900 L	155	7.68
37	3.0L	857	185	17:53: 3	-34:29:28	209493	-0:15	1:10	A0	8.66	8.44	402	10	374	233?	510	7.33
38	10.0C	656	86	17:53:10	-29:51:32	185962/	0:20	-3:46	A2	8.40	.00	93	18	55	508	87	8.31
39	30.0C	661	79	17:53:10	-29:51:32	185962?	0:24	-3: 8	A2	8.40	.00	161	27	118	885	45	9.03
40	3.0L	616	78	17:53:13	-29: 0:55	185963/	0: 7	-2:59	A2	9.10	.00	458	4	435	89?	300	7.91
41	3.0L	616	78	17:53:26	-29: 2:37	185970/	-0: 5	-1:18	A3	8.90	.00	458	4	435	89?	300	7.91
42	10.0C	727	117	17:53:28	-31:30:56	209502	-0: 8	-0:18	B9	8.72	8.41	118	49	50	2050DH	265	7.09
43	30.0C	730	113	17:53:28	-31:30:56	209502/	0:19	1:25	B9	8.72	8.41	236	183	113	9951 H	1030	5.61
44	10.0C	656	86	17:53:30	-29:54:57	185974/	0: 3	-1: 5	B9	8.50	.00	93	18	55	508	87	8.31
45	30.0C	661	79	17:53:30	-29:54:57	185974/	0: 4	0:18	B9	8.50	.00	161	27	118	885 L	45	9.03
46	3.0L	572	56	17:53:32	-28: 3:33	185975	-0:19	1:31	A3	5.76	.00	466	5	443	113?L	400	7.59
47	1.0L	775	151	17:53:33	-32:40:58	209503	0:11	-0:42	B9	6.60	.00	116	0	106	0	259	8.07
48	3.0L	775	153	17:53:33	-32:40:58	209503	-0: 8	-1:22	B9	6.60	.00	429	38	395	1300	1021	6.57
49	3.0C	770	144	17:53:33	-32:40:58	209503	-0:16	0:22	B9	6.60	.00	49	8	25	175 L	210	7.35
50	10.0C	779	141	17:53:33	-32:40:58	209503	-0:16	-0:42	B9	6.60	.00	139	49	51	2219	310	6.92

SAGITTARIUS WEST. R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
51	30.0C	784	132	17:53:33	-32:40:58	209503	-0:20	1:15	B9	6.60	.00	204	111	111	5373 L	400	6.64
52	3.0C	678	109	17:53:37	-30:41:27	209506/	0:21	2: 6	B8	9.50	9.33	49	8	25	173	210	7.35
53	10.0C	686	106	17:53:37	-30:41:27	209506/	0:22	2: 9	B8	9.50	9.33	126	61	51	2603 H	409	6.62
54	30.0C	692	96	17:53:37	-30:41:27	209506/	0: 9	2:36	B8	9.50	9.33	212	158	115	5481 H	445	6.53
55	3.0L	667	107	17:53:39	-30:16:50	209507	0: 5	-0: 1	B8	8.50	8.47	443	13	411	365?	815	6.82
56	10.0C	672	95	17:53:39	-30:16:50	209507	-0: 1	-1:30	B8	8.50	8.47	123	35	56	1442	190	7.46
57	30.0C	677	86	17:53:39	-30:16:50	209507	-0: 5	0:23	B8	8.50	8.47	207	87	125	4053	285	7.01
58	10.0C	810	157	17:53:43	-33:24: 9	209508	-0:18	-0:24	A0	8.12	7.84	78	10	47	252 L	117	7.98
59	30.0C	816	148	17:53:43	-33:24: 9	209508?	-0:30	0:58	A0	8.12	7.84	126	27	101	613 L	29	9.51
60	3.0L	529	44	17:53:49	-27: 7:48	185976	-0:15	0:43	B9	8.40	.00	465	42	431	1186 H	2100	5.78
61	10.0C	534	32	17:53:49	-27: 7:48	185976	-0:14	-0:13	B9	8.40	.00	124	69	53	2655	360	6.76
62	30.0C	539	24	17:53:49	-27: 7:48	185976	-0:18	1:34	B9	8.40	.00	215	110	118	5700	470E	6.47
63	10.0C	723	124	17:53:56	-31:29:58	209514/	0: 7	-1:00	A0	9.44	9.40	107	37	50	1685DH	203	7.38
64	30.0C	730	113	17:53:56	-31:29:58	209514/	-0:10	0:27	A0	9.44	9.40	236	183	113	9951 H	1030	5.61
65	3.0C	678	109	17:54: 1	-30:38:55	209515/	-0: 3	-0:28	B8	9.10	8.68	49	8	25	173	210	7.35
66	10.0C	686	106	17:54: 1	-30:38:55	209515/	-0: 2	-0:23	B8	9.10	8.68	126	61	51	2603 H	409	6.62
67	30.0C	692	96	17:54: 1	-30:38:55	209515/	-0:15	0: 4	B8	9.10	8.68	212	158	115	5481 H	445	6.53
68	10.0C	723	124	17:54:11	-31:30:17	209518/	-0: 8	-0:41	B5	9.34	9.17	107	37	50	1685D	203	7.38
69	30.0C	730	113	17:54:11	-31:30:17	209518?	-0:25	0:46	B5	9.34	9.17	236	183	113	9951 H	1030	5.61
70	3.0L	634	94	17:54:12	-29:34: 8	185985	-0:17	1: 5	B3	9.20	.00	452	7	428	158 L		
71	3.0L	633	99	17:54:12	-29:34: 8	185985/	0:11	-0:13	B3	9.20	.00	453	5	428	114 L	872*	6.74
72	10.0C	636	90	17:54:12	-29:34: 8	185985/	0:18	-1:33	B3	9.20	.00	100	25	55	829 L	120	7.96
73	30.0C	641	81	17:54:12	-29:34: 8	185985/	0:14	0:18	B3	9.20	.00	181	50	127	1704 L	98	8.18
74	1.0L	744	145	17:54:13	-32: 2:40	209520	-0: 7	-0:47	B5	8.27	7.82	136	16	106	389	690	7.00
75	3.0L	741	146	17:54:13	-32: 2:40	209520	-0: 4	1:30	B5	8.27	7.82	457	38	406	1471	2200	5.73
76	3.0C	739	138	17:54:13	-32: 2:40	209520	-0:14	-1: 8	B5	8.27	7.82	99	40	25	1698 H	754	5.95
77	10.0C	747	135	17:54:13	-32: 2:40	209520	-0:12	-1: 3	B5	8.27	7.82	310	91	48	8611 H	1187	5.46
78	30.0C	753	125	17:54:13	-32: 2:40	209520?	-0:24	0:13	B5	8.27	7.82	339	208	102	20302 H	2100	4.83
79	3.0L	694	128	17:54:17	-31: 0:36	209521	0: 9	1:46	O	8.24	8.17	445	8	417	200?L	550	7.25
80	3.0C	692	119	17:54:17	-31: 0:36	209521	0: 2	0:15	O	8.24	8.17	53	9	26	207 L	225	7.27
81	10.0C	700	116	17:54:17	-31: 0:36	209521	0: 1	-0:50	O	8.24	8.17	137	41	55	1822 L	240	7.20
82	30.0C	706	107	17:54:17	-31: 0:36	209521	-0:11	0:24	O	8.24	8.17	209	107	117	5196 L	360	6.76
83	3.0L	773	165	17:54:27	-32:54:41	NO?	-0: 2	7:16				426	9	395?	217?	540	7.27
84	10.0C	785	160	17:54:27	-32:54:41	NO*	0: 9	-5: 6				91	23	50	661	105	8.10
85	30.0C	791	150	17:54:27	-32:54:41	NO*	-0: 6	-2: 9				155	74	99	2762	140	7.79
86	30.0C	776	145	17:54:32	-32:38:50							143	8	103	265?	19	9.97
87	30.0C	856	183	17:54:33	-34:25:57	NO						122	12	99	241?	18	10.03
88	3.0L	633	99	17:54:34	-29:34: 4	185994/	-0:10	-0:17	B8	8.70	.00	453	5	428	114 L	375	7.66
89	10.0C	636	90	17:54:34	-29:34: 4	185994/	-0: 4	-1:37	B8	8.70	.00	100	25	55	829	120	7.96
90	30.0C	641	81	17:54:34	-29:34: 4	185994/	-0: 8	0:14	B8	8.70	.00	181	50	127	1704 L	100	8.16
91	10.0C	830	177	17:54:40	-33:56:42	209527?	-0:25	-0:48	A0	8.30	7.93	72	8	48	179 L	57	8.77
92	30.0C	835	169	17:54:40	-33:56:42	209527?	-0:29	1:11	A0	8.30	7.93	132	37	99	999 L	45	9.03
93	3.0L	512	56	17:54:41	-26:50: 4	185998?	0:25	-2:46	A5	9.00	.00	461	18	428	499?H	1070	6.52
94	3.0L	644	107	17:54:44	-29:47:16	186002	-0:10	-4:18	B3	9.30	.00	451	47	408	1616?H	2500	5.59
95	3.0L	650	112	17:54:47	-30: 3:39	209529	-0: 1	2:44	B8	7.65	7.20	470	137	414?	5145 H	7800	4.35
96	3.0C	648	105	17:54:47	-30: 3:39	209529	-0: 5	-0:27	B8	7.65	7.20	71	22	25	693	435	6.55
97	10.0C	656	103	17:54:47	-30: 3:39	209529	0: 7	-1:22	B8	7.65	7.20	190	70	52	4330	607	6.19
98	30.0C	662	93	17:54:47	-30: 3:39	209529	-0:10	0:19	B8	7.65	7.20	275	151	118	10935	1200	5.45
99	10.0C	612	84	17:54:52	-29: 4: 6	186005	0: 1	-1: 5	B8	9.00	.00	122	43	56	1698 H	220	7.30
100	30.0C	617	75	17:54:52	-29: 4: 6	186005	-0: 2	1: 5	B8	9.00	.00	204	87	127	2520	165*	7.61

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SAGITTARIUS WEST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
101	30.0C	614	83	17:54:52	-29: 4: 6	186005?	0:38	-0:20	B8	9.00	.00	155	5	122	146?L		
102	30.0C	547	50	17:54:53	-27:28:23	186007	0:21	-2:27	A0	9.30	.00	258	182	115	11310 H	1250	5.40
103	3.0L	567	78	17:54:59	-28: 9:27	186010/	0: 3	1:12	B9	9.00	.00	463	45	425	1393 H	2350	5.66
104	3.0C	564	69	17:54:59	-28: 9:27	186010/	0: 2	-0:53	B9	-9.00	.00	63	16	28	429 H	295	6.98
105	10.0C	572	67	17:54:59	-28: 9:27	186010/	0: 2	-0:50	B9	9.00	.00	187	67	53	4040DH	486	6.43
106	30.0C	577	59	17:54:59	-28: 9:27	186010/	0: 3	0:29	B9	9.00	.00	269	145	120	7440 H	700	6.03
107	3.0L	567	78	17:55: 0	-28: 8:15	186011/	0: 2	-0: 0	B5	8.80	.00	463	45	425	1393 H	2350	5.66
108	3.0C	564	69	17:55: 0	-28: 8:15	186011/	0: 1	-2: 5	B5	8.80	.00	63	16	28	429 L	295	6.98
109	10.0C	572	67	17:55: 0	-28: 8:15	186011/	0: 1	-2: 3	B5	8.80	.00	187	67	53	4040DH	486	6.43
110	30.0C	577	59	17:55: 0	-28: 8:15	186011/	0: 2	-0:43	B5	8.80	.00	269	145	120	7440	700	6.03
111	3.0L	613	103	17:55:13	-29:15:33	186016	0:10	1:36	A0	9.00	.00	448	24	421	630	1300	6.31
112	10.0C	619	91	17:55:13	-29:15:33	186016	0: 1	-1: 4	A0	9.00	.00	77	4	54	88 L	42	9.10
113	30.0C	622	87	17:55:13	-29:15:33	186016	0:20	-0: 1	A0	9.00	.00	143	10	117	229 L	20	9.91
114	3.0L	690	139	17:55:27	-29:58: 1	NO	0: 6	-2:55				437	22	408	630	1200	6.40
115	10.0C	691	127	17:55:27	-30:58: 1	NO	0: 3	0:51				93	18	51	542	92	8.25
116	30.0C	697	117	17:55:27	-30:58: 1	NO	-0: 9	2: 5				150	40	117	884	45	9.03
117	3.0L	539	66	17:55:28	-27:31: 1	186023?	-0:28	0:42	B8	8.50	.00	459	60	430	1740	2900	5.43
118	3.0C	534	62	17:55:28	-27:31: 1	186023	-0: 7	-0:30	B8	8.50	.00	60	20	27	508	335	6.84
119	10.0C	542	59	17:55:28	-27:31: 1	186023	-0: 7	-0:27	B8	8.50	.00	167	73	52	3793DH	521	6.36
120	30.0C	547	50	17:55:28	-27:31: 1	186023/	-0:14	0:11	B8	8.50	.00	258	182	115	11310 H	1250	5.40
121	1.0L	593	93	17:55:29	-28:45:19	186025	0: 1	-0:36	B5*	5.95	.00	318	95	114	7110 H	11647	3.92
122	3.0L	592	97	17:55:29	-28:45:19	186025	0:10	-1:35	B5*	5.95	.00	486	281	436	8895	17500	3.47
123	.5C	596	87	17:55:29	-28:45:19	186025	0: 6	-0:59	B5*	5.95	.00	157	47	37	2550 H	6660	3.58
124	3.0C	588	87	17:55:29	-28:45:19	186025	-0: 0	-1:30	B5*	5.95	.00	403	99	31	11841	6400	3.62
125	10.0C	596	85	17:55:29	-28:45:19	186025	0: 6	-1:55	B5*	5.95	.00	429	258	57	31229	6900	3.54
126	30.0C	602	75	17:55:29	-28:45:19	186025	-0: 6	-0:46	B5*	5.95	.00	412	498	120	62700	7000	3.52
127	3.0L	641	118	17:55:37	-29:54:39							444	1567	357	94882?	140000	1.20
128	3.0L	463	43	17:55:48	-25:48:14	186033/	-0: 8	1: 5	A2	8.50	.00	456	53	403	2288 H	3500	5.23
129	3.0C	456	35	17:55:48	-25:48:14	186033?	0:30	0:42	A2	8.50	.00	54	14	28	320	265	7.09
130	10.0C	465	31	17:55:48	-25:48:14	186033/	-0: 8	2:54	A2	8.50	.00	145	47	53	2528 H	434	6.55
131	30.0C	468	25	17:55:48	-25:48:14	186033/	0: 5	4:23	A2	8.50	.00	256	109	118	6979 H	620E	6.17
132	1.0L	915	242	17:55:53	-36: 0:15	209555?	-0:27	-2:11	A0	8.60	8.26	124	8	97	237 H	982E	6.61
133	3.0L	913	244	17:55:53	-36: 0:15	209555/	-0:19	-1:33	A0	8.60	8.26	397	40	336	1580 H	1800E	5.95
134	3.0C	908	237	17:55:53	-36: 0:15	209555/	-0:18	-1:17	A0	8.60	8.26	64	15	24	453	310	6.92
135	10.0C	914	235	17:55:53	-36: 0:15	209555/	-0: 3	0:43	A0	8.60	8.26	93	40	44	1144	160E	7.64
136	1.0L	915	242	17:56: 6	-36: 1: 5	209560/	-0:39	-0: 1	O	7.26	.00	124	8	100	171 H	982E	6.61
137	3.0L	913	244	17:56: 6	-36: 1: 5	209560/	-0:19	-1:45	O	7.26	.00	397	40	336	1580 H	1800E	5.95
138	3.0C	908	237	17:56: 6	-36: 1: 5	209560/	-0:27	0: 0	O	7.26	.00	64	15	24	453 H	310	6.92
139	10.0C	914	235	17:56: 6	-36: 1: 5	209560/	-0:15	1:33	O	7.26	.00	93	40	44	1144	160E	7.64
140	10.0C	557	76	17:56: 8	-27:57:26	186045	0: 4	-0:35	A0	8.70	.00	75	5	50	121?L	50	8.91
141	30.0C	562	69	17:56: 8	-27:57:26	186045	0: 8	-0:58	A0	8.70	.00	140	32	115	795 L	40	9.16
142	3.0L	668	137	17:56: 9	-30:38:31	209561	-0: 0	2:51	B9	8.47	8.10	432	10	404	247?	610	7.13
143	10.0C	675	129	17:56: 9	-30:38:31	209561	0: 5	-2:22	B9	8.47	8.10	90	24	50	687	110	8.05
144	30.0C	681	119	17:56: 9	-30:38:31	209561	-0: 7	-1: 9	B9	8.47	8.10	166	75	113	2451	135	7.83
145	3.0L	463	43	17:56:10	-25:48:58	186047?.	-0:29	1:49	B9	8.20	.00	456	53	403	2288 H	3850*	5.12
146	3.0L	460	49	17:56:10	-25:48:58	186047	0: 6	1:18	B9	8.20	.00	429	7	407	149?L		
147	3.0C	456	35	17:56:10	-25:48:58	186047/	0: 9	1:26	B9	8.20	.00	54	14	28	320	265	7.09
148	10.0C	465	31	17:56:10	-25:48:58	186047?	-0:29	3:38	B9	8.20	.00	145	47	53	2528 H	434	6.55
149	30.0C	468	25	17:56:10	-25:48:58	186047/	-0:16	5: 7	B9	8.20	.00	256	109	118	6979 H	620E	6.17
150	10.0C	623	106	17:56:11	-29:28:51	186048	0: 6	-0:18	B9	8.90	.00	78	6	51	150 L	52	8.87

SAGITTARIUS WEST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
151	30.0C	628	99	17:56:11	-29:28:51	186048	0:10	-0:35	B9	8.90	.00	147	31	113	823 L	40	9.16
152	3.0L	486	54	17:56:16	-26:24: 3	186050?	-0:28	2:31	B8	9.00	.00	451	10	426	250 H	670	7.03
153	3.0L	653	134	17:56:17	-30:16:58	NO	0: 8	-0: 1				438	15	409	432	910	6.70
154	10.0C	658	120	17:56:17	-30:16:58	NO	-0: 7	-0:27				78	7	54	151	52	8.87
155	30.0C	663	114	17:56:17	-30:16:58	NO	-0: 1	0:27				147	24	122	511	29	9.51
156	10.0C	807	188	17:56:22	-33:39: 0	209563	-0:18	0: 2	B9	9.29	8.99	88	23	56	499	89	8.28
157	30.0C	811	183	17:56:22	-33:39: 0	209563	-0: 4	1:39	B9	9.29	8.99	148	81	96	2837 H	140	7.79
158	3.0L	816	206	17:56:37	-33:53:18	209568?	-0:27	-3:19	B2	8.31	8.26	395	4	371	82 L	235	8.17
159	10.0C	817	195	17:56:37	-33:53:18	209568	-0:18	-0:34	B2	8.31	8.26	80	17	47	450 L	84	8.35
160	30.0C	822	188	17:56:37	-33:53:18	209568	-0:17	0:54	B2	8.31	8.26	144	48	109	1097 L	51	8.89
161	1.0L	792	195	17:56:38	-33:24:22	209569	-0:19	0:49	B3	7.20	.00	163	42	100	1545	2673	5.52
162	3.0L	792	197	17:56:38	-33:24:22	209569	-0:16	-0:49	B3	7.20	.00	447	116	374	5416	8400	4.27
163	.5C	796	189	17:56:38	-33:24:22	209569	-0:14	0: 4	B3	7.20	.00	58	11	30	264 L	1460	5.23
164	3.0C	787	189	17:56:38	-33:24:22	209569	-0:15	-0:32	B3	7.20	.00	163	58	24	3520	1540	5.17
165	10.0C	795	186	17:56:38	-33:24:22	209569	-0:12	-0:22	B3	7.20	.00	393	120	47	14026	2550	4.62
166	30.0C	800	179	17:56:38	-33:24:22	209569	-0:14	-0: 4	B3	7.20	.00	381	252	95	30601	3000	4.45
167	3.0L	892	241	17:56:49	-35:38:50	209574?	-0:38	0:44	B5	9.10	8.64	390	21	342	712	1000	6.59
168	3.0C	889	235	17:56:49	-35:38:50	209574?	-0:34	-0:37	B5	9.10	8.64	54	20	22	510 L	315	6.90
169	10.0C	896	232	17:56:49	-35:38:50	209574?	-0:30	-0:24	B5	9.10	8.64	142	80	43	3917	475	6.46
170	30.0C	902	224	17:56:49	-35:38:50	209574?	-0:39	-0:12	B5	9.10	8.64	202	138	97	8940	740E	5.97
171	10.0C	541	84	17:56:53	-27:44: 6	186066	0:20	0: 2	B9	9.30	.00	88	20	50	576	97	8.19
172	30.0C	547	74	17:56:53	-27:44: 6	186066	0:12	0:46	B9	9.30	.00	169	41	115	1734	92	8.25
173	10.0C	428	26	17:56:54	-25: 5: 5	186067	0:10	1:45	B8	8.10	.00	83	8	56	191 L	57	8.77
174	1.0L	631	132	17:56:57	-29:49:59	186068/	0:16	0: 2	B3	8.50	.00	148	34	105	1028	2097	5.79
175	3.0L	629	132	17:56:57	-29:49:59	186068/	0:12	1:43	B3	8.50	.00	464	277	396	5150 H	9250	4.17
176	3.0C	625	126	17:56:57	-29:49:59	186068/	0:18	0:19	B3	8.50	.00	129	53	25	2696?	1120	5.52
177	10.0C	634	122	17:56:57	-29:49:59	186068/	0:11	-0:15	B3	8.50	.00	362	122	48	12331 H	1813	4.99
178	30.0C	639	114	17:56:57	-29:49:59	186068/	0:10	-0: 2	B3	8.50	.00	375	234	118	25493	3000	4.45
179	3.0L	580	106	17:57: 9	-28:37: 9	186076?	-0:21	-1:23	B0	8.90	.00	443	12	420	276 L	720	6.95
180	1.0L	631	132	17:57:15	-29:49:22	186079/	-0: 2	-0:34	B2	8.00	.00	148	34	105	1028	2097	5.79
181	3.0L	629	132	17:57:15	-29:49:22	186079/	-0: 6	1: 6	B2	8.00	.00	464	277	396	5150 H	9250	4.17
182	3.0C	625	126	17:57:15	-29:49:22	186079/	-0: 1	-0:17	B2	8.00	.00	129	53	25	2696?	1120	5.52
183	10.0C	634	122	17:57:15	-29:49:22	186079/	-0: 7	-0:51	B2	8.00	.00	362	122	48	12331	1813	4.99
184	30.0C	639	114	17:57:15	-29:49:22	186079/	-0: 8	-0:39	B2	8.00	.00	375	234	118	25493	3000	4.45
185	3.0L	582	118	17:57:32	-28:42:36	186085	0: 9	-4:45	A0*	8.90	.00	436	6	411	150	435	7.50
186	3.0C	575	108	17:57:32	-28:42:36	186085	-0: 1	-0:42	A0*	8.90	.00	59	11	26	297	255	7.13
187	10.0C	583	105	17:57:32	-28:42:36	186085	0: 4	-1: 5	A0*	8.90	.00	163	81	49	3763DH	508	6.38
188	30.0C	588	98	17:57:32	-28:42:36	186085	0: 3	-0:54	A0*	8.90	.00	249	170	120	9449 H	990	5.65
189	1.0L	404	34	17:57:37	-24:40:33	186086	0: 5	4:20	B3	8.60	.00	122	7	100	141?L	435	7.50
190	3.0C	399	29	17:57:37	-24:40:33	186086	0:14	2:23	B3	8.60	.00	47	10	29	150 L	205E	7.37
191	1.0L	919	271	17:57:58	-36:23:17	209597/	-0: 6	1:13	B9*	8.90	8.46	148	59	93	2048 H	3386	5.26
192	3.0L	918	272	17:57:58	-36:23:17	209597/	-0: 6	1:14	B9*	8.90	8.46	422	119	327	6435 H	9479	4.14
193	.5C	922	265	17:57:58	-36:23:17	209597	0: 1	1:27	B9*	8.90	8.46	55	18	27	424 H	1800	5.00
194	3.0C	914	265	17:57:58	-36:23:17	209597	-0: 8	0:20	B9*	8.90	8.46	156	99	26	5670 H	2900	4.48
195	10.0C	922	262	17:57:58	-36:23:17	209597	-0: 5	-0:31	B9*	8.90	8.46	400	200	46	24419 H	4900E	3.91
196	30.0C	925	258	17:57:58	-36:23:17	209597/	0:17	1:48	B9*	8.90	8.46	382	201	95	22522 H	2200	4.78
197	10.0C	755	190	17:58: 2	-32:44: 6	209599/	0:12	1: 3	A0	8.90	8.69	76	14	46	351	75	8.47
198	30.0C	761	181	17:58: 2	-32:44: 6	209599/	0: 5	1:49	A0	8.90	8.69	140	73	94	2292	120	7.96
199	3.0L	587	127	17:58: 5	-28:59:37	186102	0: 3	1:35	A0	9.10	.00	422	6	396	138?	380	7.65
200	10.0C	593	116	17:58: 5	-28:59:37	186102	-0: 0	-1:33	A0	9.10	.00	84	18	46	507	89	8.28

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Fig. 5b — S201 starfield photograph (Cetus), frame A63 (ICa, 10-min exposure)

SAGITTARIUS WEST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
201	30.0C	599	110	17:58: 5	-28:59:31	186102	0: 9	-2:19	A0	9.10	.00	179	33	109	1002	49	8.93
202	3.0L	880	258	17:58: 9	-35:33:43							353	10	325	250	480	7.39
203	10.0C	534	94	17:58:11	-27:41:15	NO	0: 6	-0:24				116	45	50	1648	220	7.30
204	30.0C	540	84	17:58:11	-27:41:15	NO	-0: 5	0:24				201	137	115	8370	780	5.92
205	10.0C	860	233	17:58:13	-35: 0:33	209605?	-0:23	-0:54	A0	8.50	8.30	75	14	45	349 L	75	8.47
206	30.0C	864	228	17:58:13	-35: 0:33	209605	-0: 9	0:44	A0	8.50	8.30	132	44	97	1224	54	8.83
207	3.0L	613	140	17:58:15	-29:35:14	186109	0: 5	0:56	A0	7.50	.00	431	16	403	357	810	6.82
208	3.0C	610	132	17:58:15	-29:35:14	186109	-0: 2	-0:40	A0	7.50	.00	52	5	26	113 L	181	7.51
209	10.0C	618	129	17:58:15	-29:35:14	186109	0: 4	-1: 2	A0	7.50	.00	129	33	52	1390	181	7.51
210	30.0C	622	123	17:58:15	-29:35:14	186109	0:10	-0: 9	A0	7.50	.00	198	89	114	3971	255	7.13
211	1.0L	919	271	17:58:25	-36:22:39	209608?	-0:33	0:35	B9	6.32	.00	148	59	93	2048 H	3386	5.26
212	3.0L	918	272	17:58:25	-36:22:39	209608?	-0:32	0:36	B9	6.32	.00	422	119	327	6435 H	9479	4.14
213	10.0C	922	262	17:58:25	-36:22:39	209608?	-0:33	-0:55	B9	6.32	.00	400	200	46	24419 H	4900E	3.91
214	30.0C	925	258	17:58:25	-36:22:39	209608/	-0:10	1:10	B9	6.32	.00	382	201	95	22522	2200	4.78
215	10.0C	755	190	17:58:26	-32:42:54	209609/	-0:11	-0: 9	O	8.76	8.77	76	14	46	351 L	75	8.47
216	30.0C	761	181	17:58:26	-32:42:54	209609/	-0:18	0:37	O	8.76	8.77	140	73	94	2292 L	120	7.96
217	3.0L	543	112	17:58:33	-27:57:23	186120	-0: 7	-2:39	B9	9.30	.00	441	19	409?	510 H	1040	6.55
218	10.0C	545	102	17:58:33	-27:57:23	186120	0: 3	-1:40	B9	9.30	.00	88	15	52	431	80	8.40
219	30.0C	557	88	17:58:33	-27:57:23	186120?	-0:40	-4:26	B9	9.30	.00	149	5	121	110?L		
220	30.0C	550	94	17:58:33	-27:57:23	186120	-0: 1	0: 7	B9	9.30	.00	162	46	116	1516	87*	8.31
221	3.0L	598	139	17:58:39	-29:15:25	186128	0: 6	-2:17	A0	9.00	.00	414	5	389?	111	310	7.87
222	10.0C	601	129	17:58:39	-29:15:25	186128	0: 9	-1:52	A0	9.00	.00	84	19	45	556D	125	7.91
223	30.0C	605	123	17:58:39	-29:15:25	186128	0:23	-0:20	A0	9.00	.00	173	46	106	1871	97	8.19
224	1.0L	522	106	17:58:41	-27:33:44	NO*	0: 6	3: 3				151	30	102	963	1780	5.96
225	3.0L	521	107	17:58:41	-27:33:44	NO*	0: 2	1:57				456	195	395	7320	8750	4.23
226	3.0C	517	99	17:58:41	-27:33:44	NO*	0: 0	2:37				146	41	26	2333	980	5.67
227	10.0C	525	96	17:58:41	-27:33:44	NO*	0: 2	1: 6				356	90	50	9640	1335	5.33
228	30.0C	529	89	17:58:41	-27:33:44	NO*	0:11	2: 5				371	235	115	21900	2580	4.61
229	3.0L	885	261	17:58:43	-35:40:11	209614?	-0:31	-0:29	B8	7.62	7.33	388	56	325	2370	2750	5.49
230	3.0C	880	254	17:58:43	-35:40:11	209614?	-0:25	-0:44	B8	7.62	7.33	67	34	22	1086	580	6.24
231	10.0C	888	250	17:58:43	-35:40:11	209614?	-0:32	0:31	B8	7.62	7.33	192	103	42	6477DH	808	5.88
232	30.0C	892	246	17:58:43	-35:40:11	209614	-0:15	0:33	B8	7.62	7.33	254	381	93	27400 H	2750	4.54
233	3.0L	719	192	17:58:47	-32: 3:28	209617	-0: 1	0:15	B8	8.61	8.38	420	22	383	598	1050	6.54
234	10.0C	724	181	17:58:47	-32: 3:28	209617	-0: 7	-1: 8	B8	8.61	8.38	92	25	43	791	125	7.91
235	30.0C	730	172	17:58:47	-32: 3:28	209617	-0:14	-0:24	B8	8.61	8.38	149	72	96	2617	127	7.90
236	1.0L	604	141	17:58:51	-29:24:56	NO						163	17	102	613?	900	6.71
237	3.0C	872	263	17:58:56	-35:34:21	209623?	0:24	-2:31	A	9.97	9.60	58	17	22	462 H	315	6.90
238	3.0L	481	89	17:58:57	-26:28:59	186136?	-0:20	-4:10	A0	9.00	.00	419	25	389	599?H	1100	6.49
239	3.0L	815	236	17:59: 4	-34:11:26	209626	-0:16	-0:40	B8	8.93	8.60	374	7	344	210	435	7.50
240	10.0C	819	225	17:59: 4	-34:11:26	209626	-0:20	-0:47	B8	8.93	8.60	89	19	52	535	91	8.26
241	30.0C	824	217	17:59: 4	-34:11:26	209626	-0:19	0:40	B8	8.93	8.60	146	65	104	1733	86	8.32
242	3.0L	469	88	17:59: 7	-26:17:27	NO	-0: 9	-1:24				427	26	386	903	1450	6.19
243	10.0C	468	80	17:59: 7	-26:17:27	NO	0: 8	1:23				98	28	48	885	133	7.84
244	1.0L	801	231	17:59:24	-33:53:25	209631	-0:18	0: 1	B5	7.55	6.98	176	54	95	2271 H	3663	5.18
245	3.0L	800	233	17:59:24	-33:53:25	209631	-0:13	-0:26	B5	7.55	6.98	450	148	357	7563 H	12500	3.84
246	3.0C	795	225	17:59:24	-33:53:25	209631	-0:17	0:19	B5	7.55	6.98	187	59	24	3908 H	1700	5.07
247	10.0C	803	222	17:59:24	-33:53:25	209631	-0:16	-0:36	B5	7.55	6.98	394	123	44	14514 H	2650	4.58
248	30.0C	808	217	17:59:24	-33:53:25	209631	-0: 5	-0: 8	B5	7.55	6.98	380	259	92	30496	3000	4.45
249	30.0C	472	76	17:59:25	-26: 6:50	186147?	0:16	-8:38	A0	9.00	.00	249	175	110	10335 H	1070	5.57
250	3.0L	753	216	17:59:28	-32:53: 7							400	49	361	1900	2500	5.59

SAGITTARIUS WEST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BO	DENSITY VOLUME	CORR. V/E	UV MAG.
251	3.0L	876	271	17:59:30	-35:31:51	209634/	-0: 4	-4:36	B9*	9.06	8.84	371	19	331	569 H	840	6.78
252	3.0C	872	263	17:59:30	-35:31:51	209634/	-0:11	-5: 1	B9*	9.06	8.84	58	17	22	462 H	315	6.90
253	10.0C	880	260	17:59:30	-35:31:51	209634/	-0: 7	-4:44	B9*	9.06	8.84	157	77	42	3936 H	540	6.32
254	30.0C	885	353	17:59:30	-35:31:51	209634	-0: 7	-4:14	B9*	9.06	8.84	211	105	93	7200 H	530	6.34
255	30.0C	679	158	17:59:32	-30:58:15	209635	-0:16	-0:28	B9	8.63	8.32	131	15	102	372?L	22	9.81
256	1.0L	377	46	17:59:34	-24:15:24	186152	-0: 2	3:12	B3	6.87	.00	249	145	103	9400 H	25500E	3.06
257	.5C	380	40	17:59:34	-24:15:24	186152	0: 9	3:16	B3	6.87	.00	104	58	35	1617	6450	3.61
258	3.0C	372	39	17:59:34	-24:15:24	186152	-0: 1	3:12	B3	6.87	.00	362	144	35	14800	8550E	3.30
259	10.0C	380	37	17:59:34	-24:15:24	186152	0: 0	1:38	B3	6.87	.00	438	173	60	43000	6300E	3.64
260	1.0L	599	148	17:59:36	-29:22: 4	186156	-0: 2	0: 4	B8	7.86	.00	153	33	101	1066 H	1420	6.21
261	3.0L	598	150	17:59:36	-29:22: 4	186156	0: 2	-0:21	B8	7.86	.00	459	106	399?	3700 H	5500	4.73
262	3.0C	594	142	17:59:36	-29:22: 4	186156	0: 2	-1:17	B8	7.86	.00	145	39	25	2136 H	932	5.72
263	10.0C	602	139	17:59:36	-29:22: 4	186156	0: 3	-1: 8	B8	7.86	.00	342	104	44	9706DH	1349	5.32
264	30.0C	607	131	17:59:36	-29:22: 4	186156	-0: 4	-0:29	B8	7.86	.00	356	272	104	27293 H	2940	4.47
265	3.0L	656	173	17:59:43	-30:43:38	209636	-0:14	1:55	A0	9.61	9.33	417	21	381	557?H	1000	6.59
266	3.0L	876	271	17:59:51	-35:36:54	209639?	-0:25	0:27	B9	8.30	8.02	371	19	331	569	840	6.78
267	10.0C	880	260	17:59:51	-35:36:54	209639?	-0:28	0:19	B9	8.30	8.02	157	77	42	3936 H	540	6.32
268	30.0C	858	251	17:59:52	-34:58: 5	209640?	0:25	-7:55	A2	9.18	9.23	134	69	90	2218 H	115	8.00
269	3.0L	620	165	17:59:55	-29:58:47	NO*N6522?	0:12	2:25	GLOB?		10.5	409	5	387	111	205	8.32
270	10.0C	629	151	17:59:55	-29:58:47	NO*N6522?	-0:14	-2:34	GLOB?		10.5	75	10	46	251	65	8.63
271	30.0C	632	146	17:59:55	-29:58:47	NO*N6522?	0: 2	0: 9	GLOB?		10.5	135	38	102	1007	53	8.85
272	3.0L	543	133	17:59:56	-28: 8: 0	NO	0:13	-2:40				430	19	401	487	970	6.63
273	30.0C	550	109	17:59:56	-28: 8: 0	NO	-0:13	2:40				145	14	115	402	25	9.67
274	3.0L	603	154	17:59:57	-29:31:51	186166/	-0:10	1: 9	B5	8.90	.00	436	12	409	330	770	6.88
275	3.0C	599	149	17:59:57	-29:31:51	186166/	0: 2	-0: 9	B5	8.90	.00	54	7	27	163 L	200	7.40
276	10.0C	607	146	17:59:57	-29:31:51	186166/	0: 5	-1:38	B5	8.90	.00	141	48	44	2334D	297	6.97
277	30.0C	611	140	17:59:57	-29:31:51	186166/	0:14	0:24	B5	8.90	.00	206	66	99	3694	205	7.37
278	3.0L	504	116	17:59:59	-27:19:47	186168	0: 1	3:54	A2	9.00	.00	401	7	350	320?H	550	7.25
279	3.0L	528	129	18: 0: 0	-27:53	N6520/	0:14	2: 4	NEB+STAR			436	60	388	1590?	2350	5.66
280	10.0C	534	117	18: 0: 0	-27:53	N6520/	0: 6	-0:36	NEB+STAR			99	29	44	1130D	254	7.14
281	30.0C	538	111	18: 0: 0	-27:53	N6520/	0:17	-0:14	NEB+STAR			180	52	133	1367	76	8.46
282	3.0L	603	154	18: 0: 2	-29:27:59	186170:	-0:15	-2:41	A0	9.10	.00	436	12	409	330	770	6.88
283	3.0C	599	149	18: 0: 2	-29:27:59	186170:	-0: 4	-4: 2	A0	9.10	.00	54	7	27	163	200	7.40
284	10.0C	607	146	18: 0: 2	-29:27:59	186170:	-0: 3	-4:43	A0	9.10	.00	141	48	44	2334D	297	6.97
285	30.0C	611	140	18: 0: 2	-29:27:59	186170:	0: 9	-3:29	A0	9.10	.00	206	66	99	3694 H	205	7.37
286	3.0L	528	129	18: 0: 3	-27:51:54	186171/	0:12	0:59	A0	9.00	.00	436	60	388	1590?H	2350	5.66
287	10.0C	534	117	18: 0: 3	-27:51:54	186171/	0: 3	-1:42	A0	9.00	.00	99	29	44	1130D	254	7.14
288	30.0C	538	111	18: 0: 3	-27:51:54	186171/	0:14	-1:19	A0	9.00	.00	180	52	133	1367	76	8.46
289	3.0L	463	99	18: 0:16	-26:19:17	186180	-0:18	1:33	A0	7.50	.00	431	18	395	484?	950	6.65
290	3.0C	458	90	18: 0:16	-26:19:17	186180	0: 3	1:27	A0	7.50	.00	51	8	25	176 L	210	7.35
291	10.0C	466	88	18: 0:16	-26:19:17	186180	-0:15	1:50	A0	7.50	.00	122	45	44	2080	273	7.06
292	30.0C	472	76	18: 0:16	-26:19:17	186180?	-0:36	3:49	A0	7.50	.00	249	175	110	10335	1060	5.58
293	10.0C	519	113	18: 0:18	-27:33:10	186182	-0: 2	-1:11	B8	8.80	.00	79	5	44	169DL	130	7.87
294	3.0L	483	115	18: 0:32	-26:52:15	186189	0: 4	2:47	B5	7.90	.00	422	65	380	2730	3600	5.20
295	3.0C	481	104	18: 0:32	-26:52:15	186189	-0:14	0:52	B5	7.90	.00	51	5	27	110 L	178	7.53
296	10.0C	489	101	18: 0:32	-26:52:15	186189	-0:15	1: 1	B5	7.90	.00	117	37	44	1622 L	234	7.23
297	30.0C	494	92	18: 0:32	-26:52:15	186189	-0:20	1:36	B5	7.90	.00	207	105	105	5670 L	410	6.62
298	3.0L	565	147	18: 0:36	-28:44:14	186192	-0: 5	0:18	A0	8.20	.00	419	34	385	731 H	1280	6.32
299	10.0C	569	138	18: 0:36	-28:44:14	186192	0: 1	-0:58	A0	8.20	.00	85	17	44	519 L	100	8.16
300	30.0C	574	131	18: 0:36	-28:44:14	186192	0: 7	-0: 6	A0	8.20	.00	155	49	108	1532 L	75	8.47

UNCLASSIFIED

SAGITTARIUS WEST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
301	3.0L	419	82	18: 0:38	-25:18:54	186193	-0: 6	-1:19	B1	8.90	.00	421	40	378	1295?	2200*	5.73
302	3.0L	413	85	18: 0:38	-25:18:54	186193	0:17	4:42	B1	8.90	.00	412	6	371	195?L		
303	10.0C	420	71	18: 0:38	-25:18:54	186193	-0: 1	1:12	B1	8.90	.00	84	20	49	524 L	92	8.25
304	30.0C	424	66	18: 0:38	-25:18:54	186193	0:14	1:38	B1	8.90	.00	187	49	125	2208 L	135	7.83
305	3.0L	427	87	18: 0:39	-25:30:18	NO*	-0: 2	-0:59				433	169	366	7140	12100	3.87
306	10.0C	428	77	18: 0:39	-25:30:18	NO*	0: 9	1: 7				87	37	46	1153	219	7.30
307	30.0C	436	66	18: 0:39	-25:30:18	NO*	-0: 6	-0:10				247	89	130	4860	390	6.67
308	1.0L	504	122	18: 0:42	-27:18:24	186200	-0: 7	0:48	B3	9.00	.00	124	8	99	182 L	739	6.92
309	3.0L	503	122	18: 0:42	-27:18:24	186200	-0:12	0:37	B3	9.00	.00	432	35	409	900	1515	6.14
310	3.0C	499	115	18: 0:42	-27:18:24	186200	-0: 6	1: 2	B3	9.00	.00	77	25	24	824D	405	6.63
311	10.0C	507	112	18: 0:42	-27:18:24	186200	-0: 9	0: 2	B3	9.00	.00	207	67	46	4508D	518	6.36
312	30.0C	511	106	18: 0:42	-27:18:24	186200	0: 3	0:24	B3	9.00	.00	285	200	112	17354	1970	4.90
313	3.0L	524	130	18: 0:44	-27:43:58	186201	-0:16	-2:48	A0*	9.20	.00	442	36	388	1200	1900	5.89
314	10.0C	525	121	18: 0:44	-27:43:58	186201	-0: 4	-0:37	A0*	9.20	.00	105	25	44	1110D	199	7.41
315	30.0C	530	113	18: 0:44	-27:43:58	186201	-0: 5	-0:28	A0*	9.20	.00	173	59	123	2051	125	7.91
316	1.0L	375	62	18: 0:48	-24:21:48	186204/	-0: 6	3:57	O	5.86	.00	408	352	103	32700	105000	1.52
317	3.0L	373	64	18: 0:48	-24:21:48	186204/	-0: 1	4:43	O	5.86	.00	507	3270	369	231600	H205000	.79
318	.5C	378	56	18: 0:48	-24:21:48	186204/	0: 8	3:30	O	5.86	.00	250	223	33	14073	37130	1.70
319	3.0C	369	56	18: 0:48	-24:21:48	186204/	0: 2	4:46	O	5.86	.00	470	505	30	69000	43000	1.54
320	10.0C	377	55	18: 0:48	-24:21:48	186204/	0: 9	2:53	O	5.86	.00	468	996	71	148640	61000	1.16
321	30.0C	380	47	18: 0:48	-24:21:48	186204/	0:13	5:18	O	5.86	.00	468	1160	130	390000?	49000E	1.40
322	1.0L	375	62	18: 0:52	-24:18:55	186207/	-0:11	1: 4	B0	7.25	.00	408	352	103	32700	105000	1.52
323	3.0L	373	64	18: 0:52	-24:18:55	186207/	-0: 6	1:50	B0	7.25	.00	507	3270	369	231600	H205000	.79
324	0.5C	378	56	18: 0:52	-24:18:55	186207/	0: 4	0:37	B0	7.25	.00	250		33	14073	37130	1.70
325	3.0C	369	56	18: 0:52	-24:18:55	186207/	-0: 2	1:53	B0	7.25	.00	470	505	30	69000	43000	1.54
326	10.0C	377	55	18: 0:52	-24:18:55	186207/	0: 4	0: 0	B0	7.25	.00	468	996	71	148640	61000	1.16
327	30.0C	380	47	18: 0:52	-24:18:55	186207/	0: 9	2:25	B0	7.25	.00	468	1160	130	390000?	49000E	1.40
328	10.0C	852	260	18: 0:57	-35: 6:33	209663?	-0:28	-0:45	A0	8.15	8.00	85	27	41	783	125	7.91
329	30.0C	858	251	18: 0:57	-35: 6:33	209663?	-0:41	0:33	A0	8.15	8.00	134	69	90	2218	115	8.00
330	3.0L	692	207	18: 1: 0	-31:38:53	209664	-0: 3	-2:11	B3	8.09	7.81	411	42	368	1350 L	1850	5.92
331	3.0C	687	199	18: 1: 0	-31:38:53	209664	0: 1	-0:47	B3	8.09	7.81	56	9	22	247 L	240	7.20
332	10.0C	695	196	18: 1: 0	-31:38:53	209664	0: 1	-1:44	B3	8.09	7.81	143	41	41	1938 L	260	7.11
333	30.0C	699	191	18: 1: 0	-31:38:53	209664	0:14	-0: 9	B3	8.09	7.81	184	85	90	4741 L	280	7.03
334	30.0C	822	243	18: 1: 3	-34:22:56	NO						115	11	92	238?	19	9.97
335	10.0C	519	124	18: 1: 7	-27:39:26							83	13	44	449D	149	7.72
336	30.0C	729	202	18: 1:12	-32:24: 8							115	26	88	591	30	9.47
337	3.0L	506	133	18: 1:13	-27:23:28	186218	0: 3	-3:22	B9	8.00	.00	417	7	384	177?L	440	7.49
338	3.0C	500	122	18: 1:13	-27:23:28	186218	-0:11	0:59	B9	8.00	.00	61	13	25	361D	229	7.25
339	10.0C	508	119	18: 1:13	-27:23:28	186218	-0:10	-0:16	B9	8.00	.00	150	41	46	2068D	282	7.02
340	10.0C	659	185	18: 1:19	-30:52:20	209669	0: 2	-1:19	B9	9.60	9.34	73	8	42	209 L	62	8.68
341	30.0C	665	175	18: 1:19	-30:52:20	209669	-0:11	-0:10	B9	9.60	9.34	123	31	92	809 L	37	9.24
342	3.0L	371	72	18: 1:21	-24:23:22	186220/	0: 7	3:47	B	7.21	.00	492	158	412	14800 H	29380	2.91
343	3.0L	371	72	18: 1:25	-24:19:36	186224/	0: 4	0: 2	B5	9.10	.00	492	158	412	14800 H	29380	2.91
344	1.0L	371	77	18: 1:31	-24:20: 5	186227?	0:27	-1:25	B3	8.90	.00	238	77	103	6200 H	7287	4.43
345	3.0L	371	72	18: 1:31	-24:20: 5	186227/	-0: 3	0:30	B3	8.90	.00	492	158	412	14800 H	29380	2.91
346	30.0C	374	60	18: 1:31	-24:20: 5	186227/	0:39	3:53	B3	8.90	.00	468	1160	130	390000?H	49000	1.40
347	3.0L	539	150	18: 1:33	-28:14:14	NO						420	18	382	531?	940	6.66
348	3.0L	441	108	18: 1:33	-26: 1:20	186229	0:12	2:20	A2	8.80	.00	410	15	374	433?H	800	6.84
349	3.0L	405	92	18: 1:35	-25:12:10	186230	0:12	4: 0	B9	9.00	.00	411	10	381	240?	550	7.25
350	3.0C	332	50	18: 1:38	-23:27:49	186233/	0: 3	-4:25	B	9.10	.00	49	(8)	29	149	198	7.41

SAGITTARIUS WEST. R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
351	10.0C	863	273	18: 1:39	-35:25: 6	209675?	-0:28	-0:38	A0	8.30	8.06	71	6	45	132 L	53	8.85
352	30.0C	866	268	18: 1:39	-35:25: 6	209675	-0:12	2:10	A0	8.30	8.06	120	50	88	1210 L	34	9.33
353	30.0C	434	81	18: 1:39	-25:36:26	NO						142	10	116	224?	19	9.97
354	3.0L	551	156	18: 1:40	-28:32:26	186234	0: 3	0:59	B9	9.30	.00	426	53	387	1523 H	2200	5.73
355	10.0C	556	145	18: 1:40	-28:32:26	186234	-0: 5	-1:39	B9	9.30	.00	99	23	44	823	125	7.91
356	30.0C	559	141	18: 1:40	-28:32:26	186234	0:21	0: 7	B9	9.30	.00	168	60	100	2547	125	7.91
357	1.0L	339	68	18: 1:45	-23:36: 3	186236?	0:31	-2:12	B8	8.60	.00	143	42	100	1246 H	3622	5.19
358	3.0L	338	68	18: 1:45	-23:36: 3	186236?	0:21	-2:48	B8	8.60	.00	444	20	367	1117 H	7974	4.33
359	3.0C	332	50	18: 1:45	-23:36: 3	186236/	-0: 4	3:48	B8	8.60	.00	49	8	29	149 L	198	7.41
360	3.0L	625	188	18: 1:47	-30:13:51	209678	0: 0	-0:56	A0	8.54	8.21	404	8	377	192		
361	3.0L	628	191	18: 1:47	-30:13:51	209678?	0:10	-5:50	A0	8.54	8.21	411	21	377	565	1400*	6.23
362	10.0C	629	178	18: 1:47	-30:13:51	209678	0: 2	-1:40	A0	8.54	8.21	90	17	42	566	97	8.19
363	30.0C	635	167	18: 1:47	-30:13:51	209678	-0:16	-0: 4	A0	8.54	8.21	143	54	94	1817	89	8.28
364	3.0L	523	147	18: 1:52	-27:51:42	NO	-0: 1	-2:34				422	19	373	808?	1240	6.36
365	10.0C	522	135	18: 1:52	-27:51:42	NO	0: 0	2:33				95	37	44	1312	179	7.52
366	1.0L	385	81	18: 1:53	-24:41: 5	186240	-0: 6	1:11	B0	8.00	.00	209	55	115	2557	4200	5.03
367	3.0L	381	80	18: 1:53	-24:41: 5	186240	0: 9	5:29	B0	8.00	.00	488	70?	369?	4200?	5600	4.71
368	.5C	388	75	18: 1:53	-24:41: 5	186240	0: 3	1:19	B0	8.00	.00	86	32	32	1082	4620	3.97
369	3.0C	380	75	18: 1:53	-24:41: 5	186240	-0: 4	1:19	B0	8.00	.00	312	109	27	9027	4115	4.10
370	10.0C	387	72	18: 1:53	-24:41: 5	186240	-0: 1	1: 4	B0	8.00	.00	422	150	85	23840?	6000	3.69
371	30.0C	390	69	18: 1:53	-24:41: 5	186240?	0:23	1:27	B0	8.00	.00	408	51	270	7100 L	685	6.06
372	3.0L	489	129	18: 1:54	-27: 5:25	186241?	-0:26	1:47	A2	9.00	.00	406	16	380	310?H	650	7.06
373	10.0C	494	124	18: 1:54	-27: 5:25	186241	-0: 1	-3:58	A2	9.00	.00	74	6	47	148	54	8.83
374	30.0C	500	113	18: 1:54	-27: 5:25	186241	-0:15	-2:38	A2	9.00	.00	146	28	115	677	34	9.33
375	30.0C	516	121	18: 2: 3	-27:33:24	186244	-0:21	0:46	A2	9.00	.00	136	12	113	234?L	19	9.97
376	.5C	374	71	18: 2: 6	-24:24:10	186247	0: 2	2:40	O	6.79	.00	91	45	32	1782	5110	3.86
377	3.0C	366	71	18: 2: 6	-24:24:10	186247	-0: 4	2: 6	O	6.79	.00	362	123	30	13150	7200	3.49
378	30.0C	374	60	18: 2: 6	-24:24:10	186247/	0: 4	7:58	O	6.79	.00	468	1160	130	390000?	49000	1.40
379	3.0L	574	172	18: 2: 9	-29: 5:34	186248	0: 2	-0:48	B8	8.70	.00	420	28	388	634	1150	6.44
380	10.0C	577	161	18: 2: 9	-29: 5:34	186248	0: 5	-0:25	B8	8.70	.00	82	13	45	363 L	75	8.47
381	30.0C	581	158	18: 2: 9	-29: 5:34	186248?	0:27	-0:58	B8	8.70	.00	138	33	98	1063 L	47	8.98
382	3.0L	514	146	18: 2:10	-27:42: 4	186249	-0: 5	-1:16	B9*	9.00	.00	424	99	371	3593 H	5700*	4.70
383	3.0L	516	152	18: 2:10	-27:42: 4	186249?	0:16	-5:55	B9*	9.00	.00	409	22	381	539 H		
384	3.0C	509	138	18: 2:10	-27:42: 4	186249	-0: 5	1: 4	B9*	9.00	.00	49	5	25	104	176	7.54
385	10.0C	517	135	18: 2:10	-27:42: 4	186249	-0: 8	-0:27	B9*	9.00	.00	116	31	44	1347DH	186	7.48
386	10.0C	520	143	18: 2:10	-27:42: 4	186249?	0:25	-8:48	B9*	9.00	.00	96	28	44	1034D	141	7.78
387	30.0C	522	126	18: 2:10	-27:42: 4	186249	-0:14	0: 9	B9*	9.00	.00	187	99	117	4086 H		
388	30.0C	526	132	18: 2:10	-27:42: 4	186249?	0: 8	-7:16	B9*	9.00	.00	211	149	107	9250 H	1120*	5.52
389	3.0L	522	150	18: 2:15	-27:54:39	NO*	-0: 7	0: 9				412	16	378	426	810	6.82
390	10.0C	524	142	18: 2:15	-27:54:39	NO*	0: 7	-0: 9				93	18	43	681D	103	8.12
391	3.0L	465	129	18: 2:16	-26:38: 4	186252	-0: 2	2:43	B8	8.60	.00	406	44	375	975	1550	6.12
392	10.0C	470	116	18: 2:16	-26:38: 4	186252	-0:14	1:39	B8	8.60	.00	90	20	49	557 L		
393	10.0C	465	120	18: 2:16	-26:38: 4	186252	0:15	4:26	B8	8.60	.00	91	23	47	713 L	205*	7.37
394	30.0C	472	111	18: 2:16	-26:38: 4	186252	0: 7	3:52	B8	8.60	.00	179	91	108	4191	315*	6.90
395	30.0C	469	114	18: 2:16	-26:38: 4	186252?	0:23	6:25	B8	8.60	.00	167	34	108	1211?L		
396	10.0C	565	157	18: 2:17	-28:49:51	NO*	0: 3	-0:19				86	17	44	510	90	8.27
397	30.0C	570	148	18: 2:17	-28:49:51	NO*	-0: 4	0:19				141	41	100	1324	60	8.71
398	1.0L	911	312	18: 2:21	-36:35: 3	209691?	-0:27	0:13	B8	7.80	.00	123	31	88	820 H	1140	6.45
399	3.0L	910	313	18: 2:21	-36:35: 3	209691?	-0:27	0:16	B8	7.80	.00	384	69	308	2743 H	3050	5.38
400	3.0C	905	306	18: 2:21	-36:35: 3	209691?	-0:26	0:28	B8	7.80	.00	100	49	23	2090 H	1000	5.64

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SAGITTARIUS WEST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
401	10.0C	913	303	18: 2:21	-36:35: 3	209691?	-0:24	-0:18	B8	7.80	.00	296	112	39	10051 H	1290	5.37
402	30.0C	919	294	18: 2:21	-36:35: 3	209691?	-0:38	1: 1	B8	7.80	.00	329	262	86	23443 H	2240	4.76
403	1.0L	339	66	18: 2:26	-23:43:12	186255/	-0:10	4:57	B3	8.30	.00	143	42	100	1246 H	3622	5.19
404	3.0L	338	68	18: 2:26	-23:43:12	186255/	-0:19	4:21	B3	8.30	.00	444	20	367	1117 L	7974	4.33
405	.5C			18: 2:26	-23:43:12	186255			B3	8.30	.00			32		1844	4.98
406	3.0C	334	60	18: 2:26	-23:43:12	186255	-0: 5	3:27	B3	8.30	.00	140	71	29	3702 H	1700	5.07
407	10.0C	342	58	18: 2:26	-23:43:12	186255	-0: 5	2: 5	B3	8.30	.00	363	175	53	16866DH	2557	4.62
408	30.0C	346	50	18: 2:26	-23:43:12	186255	-0: 1	4:27	B3	8.30	.00	401	258	144	31490 H	3750E	4.20
409	3.0L	584	178	18: 2:28	-29:16:54	186256	-0: 8	-3:54	A2	7.03	.00	413	15	374	419?	810	6.82
410	3.0L	627	198	18: 2:35	-30:25:35	209696	-0: 4	4:13	K0	3.07	.00	407	10	383?	221?	495	7.36
411	1.0L	691	233	18: 2:44	-31:55:15	209701?	0:37	2:52	A5	9.70	9.85	141	34	98	990?H	2407	5.64
412	3.0L	694	231	18: 2:44	-31:55:15	209701	0:16	-0:45	A5	9.70	9.85	388	21	350	605 H	2011	5.83
413	3.0L	679	224	18: 2:48	-31:29:41	209703/	0: 6	-5:34	B8	8.76	8.49	415	71	365	2200 H	3100	5.36
414	10.0C	680	211	18: 2:48	-31:29:41	209703/	-0: 2	-1:22	B8	8.76	8.49	157	61	42	2950 H	390	6.67
415	30.0C	685	203	18: 2:48	-31:29:41	209703/	-0: 1	0: 1	B8	8.76	8.49	199	136	88	7914 H	590	6.22
416	3.0L	679	224	18: 2:49	-31:34:36	209704	0: 6	-0:40	B8	8.92	8.69	415	71	365	2200 H	3100	5.36
417	3.0C	675	218	18: 2:49	-31:34:36	209704	0:11	-2: 5	B8	8.92	8.69	98	34	22	1264?H	645	6.12
418	10.0C	680	211	18: 2:49	-31:34:36	209704/	-0: 2	3:33	B8	8.92	8.69	157	61	42	2950 H	390	6.67
419	30.0C	685	203	18: 2:49	-31:34:36	209704/	-0: 2	4:55	B8	8.92	8.69	199	136	88	7914 H	590*	6.22
420	30.0C	685	212	18: 2:49	-31:34:36	209704?	0:40	-0: 1	B8	8.92	8.69	113	5	88	114?L		
421	1.0L	480	138	18: 2:50	-26:58:49	186264	-0: 9	0:53	B3	8.60	.00	132	15	96	416 L	946	6.65
422	3.0L	479	140	18: 2:50	-26:58:49	186264	-0:11	0:59	B3	8.60	.00	436	54	380	2137	3000	5.40
423	3.0C	475	131	18: 2:50	-26:58:49	186264	-0:13	1:35	B3	8.60	.00	112	29	24	1413	630	6.15
424	10.0C	482	129	18: 2:50	-26:58:49	186264	-0: 8	1:20	B3	8.60	.00	284	66	43	5795	787	5.91
425	30.0C	487	121	18: 2:50	-26:58:49	186264	-0: 9	1:27	B3	8.60	.00	336	145	113	14011	1570	5.15
426	1.0L	586	184	18: 2:51	-29:26:13	186265	0: 3	-0:18	B5	8.50	.00	171	29	100	1178 H	1500	6.15
427	3.0L	586	185	18: 2:51	-29:26:13	186265	-0: 0	-1:22	B5	8.50	.00	442	63	384?	2183	3150	5.34
428	3.0C	581	177	18: 2:51	-29:26:13	186265	-0: 1	0:28	B5	8.50	.00	186	35	25	2263	1000	5.64
429	10.0C	589	174	18: 2:51	-29:26:13	186265	0: 3	-0:57	B5	8.50	.00	352	91	43	8587D	1293	5.36
430	30.0C	595	163	18: 2:51	-29:26:13	186265	-0:20	1: 6	B5	8.50	.00	356	197	104	19478	2080	4.85
431	1.0L	358	83	18: 3: 0	-24:12: 4	186268	-0:12	2:50	B9*	8.10	.00	159	58	100	1923 H	3131	5.35
432	3.0L	357	86	18: 3: 0	-24:12: 4	186268	-0: 5	2: 2	B9*	8.10	.00	459	56	415	1845	11481	3.93
433	.5C			18: 3: 0	-24:12: 4	186268			B9*	8.10	.00			32		2460	4.66
434	3.0C	353	77	18: 3: 0	-24:12: 4	186268/	-0: 6	2:31	B9*	8.10	.00	182	117	27	6141 H	2600	4.60
435	10.0C	361	74	18: 3: 0	-24:12: 4	186268	-0: 8	0:50	B9*	8.10	.00	397	212	51	17996 H	3600	4.25
436	1.0L	803	274	18: 3: 1	-34:19:15	209711	-0:19	0:13	B8	7.98	7.46	119	13	92	313 L	1052	6.54
437	3.0L	803	276	18: 3: 1	-34:19:15	209711	-0:16	-1:20	B8	7.98	7.46	396	49	339	1679	2588	5.56
438	3.0C	798	268	18: 3: 1	-34:19:15	209711	-0:15	-1: 6	B8	7.98	7.46	86	23	23	909	490	6.42
439	10.0C	806	265	18: 3: 1	-34:19:15	209711	-0:17	-0:19	B8	7.98	7.46	244	70	44	4854	685	6.06
440	30.0C	811	257	18: 3: 1	-34:19:15	209711	-0:17	1: 7	B8	7.98	7.46	265	139	93	10000	960*	5.69
441	30.0C	808	266	18: 3: 1	-34:19:15	209711?	0:32	-0:24	B8	7.98	7.46	124	5	89	149?L		
442	3.0L	809	280	18: 3: 7	-34:30:28	209714/	-0:13	1: 2	B8	8.71	8.31	382	26	343	707	1050	6.54
443	3.0C	806	273	18: 3: 7	-34:30:28	209714/	-0:17	-1: 3	B8	8.71	8.31	56	9	25	230	230	7.25
444	10.0C	814	270	18: 3: 7	-34:30:28	209714/	-0:13	-0:44	B8	8.71	8.31	145	45	49	2064	280	7.03
445	30.0C	818	265	18: 3: 7	-34:30:28	209714/	-0: 2	-0:15	B8	8.71	8.31	191	116	89	6100	410	6.62
446	3.0L	510	159	18: 3: 9	-27:47: 8	NO*	0: 7	2:51				417	22	377	684	1140	6.45
447	10.0C	513	148	18: 3: 9	-27:47: 8	NO*	0: 3	2:32				73	5	43	137	78	8.43
448	30.0C	525	140	18: 3: 9	-27:47: 8	NO*	-0:11	-5:22				182	74	107	3600	210	7.35
449	3.0L	809	280	18: 3:11	-34:31:14	209718/	-0:18	1:48	B8	9.24	9.05	382	26	343	707 H	1050	6.54
450	3.0C	806	273	18: 3:11	-34:31:14	209718/	-0:21	-0:17	B8	9.24	9.05	56	9	25	230	230	7.25

SAGITTARIUS WEST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
451	10.0C	814	270	18: 3:11	-34:31:14	209718/	-0:18	0: 2	B8	9.24	9.05	145	45	49	2064 H	280	7.03
452	30.0C	818	265	18: 3:11	-34:31:14	209718/	-0: 7	0:31	B8	9.24	9.05	191	116	89	6100	410	6.62
453	3.0L	545	173	18: 3:17	-28:34: 1	186278	-0: 5	1:22	B8	9.20	.00	405	10	376	247	550	7.25
454	10.0C	549	163	18: 3:17	-28:34: 1	186278	-0: 1	-1: 1	B8	9.20	.00	92	19	44	596	100	8.16
455	30.0C	555	152	18: 3:17	-28:34: 1	186278	-0:18	0:31	B8	9.20	.00	159	69	104	2111	115	8.00
456	10.0C	348	75	18: 3:22	-23:56:32	NO*	0: 0	-0:13				99	61	53	1838D	254	7.14
457	30.0C	353	67	18: 3:22	-23:56:32	NO*	0: 0	0:12				248	112	172	8000	1000	5.64
458	3.0C	353	77	18: 3:25	-24: 9:54	186282?	-0:31	0:21	B9	9.00	.00	182	117	30	5790 H	3100	4.41
459	3.0L	463	144	18: 3:26	-26:42:27	NO	0: 6	0:57				389	5	366	120	310	7.87
460	10.0C	468	133	18: 3:26	-26:42:27	NO	-0: 1	-1:20				68	5	42	120	52	8.87
461	30.0C	473	124	18: 3:26	-26:42:27	NO	-0: 5	0:24				142	75	104	1896	93	8.24
462	3.0L	713	245	18: 3:27	-32:23:25	209720/	0: 2	-1:58	B8	8.82	8.63	387	19	353	494	820	6.81
463	10.0C	717	234	18: 3:27	-32:23:25	209720/	-0: 2	-2: 9	B8	8.82	8.63	84	21	38	659	110	8.05
464	30.0C	723	223	18: 3:27	-32:23:25	209720	-0:21	-0:30	B8	*8.82	8.63	130	56	86	1773	85	8.33
465	10.0C	519	153	18: 3:28	-27:48:43	NO	-0: 2	-5:11				83	9	48	251	65	8.63
466	30.0C	516	143	18: 3:28	-27:48:43	NO	0: 3	5:11				135	20	100	573	29	9.51
467	1.0L	536	172	18: 3:35	-28:22:11	186286	-0: 0	1: 4	A0	7.33	.00	133	15	96	422	1108	6.48
468	3.0L	536	173	18: 3:35	-28:22:11	186286	-0: 4	0: 0	A0	7.33	.00	426	60	376	2015 H	2800	5.47
469	3.0C	531	166	18: 3:35	-28:22:11	186286	-0: 1	0:11	A0	7.33	.00	122	25	26	1220 H	580	6.24
470	10.0C	539	163	18: 3:35	-28:22:11	186286	0: 2	-1:14	A0	7.33	.00	292	62	42	5287DH	677	6.07
471	30.0C	542	159	18: 3:35	-28:22:11	186286	0:23	1: 1	A0	7.33	.00	316	136	94	12899 H	1220	5.43
472	3.0L	567	188	18: 3:36	-29: 2:34	186287/	0: 6	-3:51	A0	8.10	.00	411	55	369	1863 H	2550	5.57
473	3.0C	561	179	18: 3:36	-29: 2:34	186287/	0: 7	-0:52	A0	8.10	.00	69	18	23	560	350	6.79
474	10.0C	569	177	18: 3:36	-29: 2:34	186287/	0:11	-2:16	A0	8.10	.00	174	61	41	3382DH	404	6.63
475	30.0C	572	172	18: 3:36	-29: 2:34	186287?	0:24	-0:43	A0	8.10	.00	248	148	94	9600 H	830	5.85
476	3.0L	713	245	18: 3:37	-32:30:16	209722:	-0:10	4:53	B9	9.60	9.75	387	19	353	494 H	820	6.81
477	10.0C	717	234	18: 3:37	-32:30:16	209722:	-0:14	4:42	B9	9.60	9.75	84	21	38	659 H	110	8.05
478	3.0L	567	188	18: 3:44	-29: 4:52	186288/	-0: 1	-1:33	B9	7.90	.00	411	55	369	1863 H	2550	5.57
479	3.0C	561	179	18: 3:44	-29: 4:52	186288/	0: 0	1:26	B9	7.90	.00	69	18	23	560	350	6.79
480	10.0C	569	177	18: 3:44	-29: 4:52	186288/	0: 4	0: 2	B9	7.90	.00	174	61	41	3382DH	404	6.63
481	30.0C	572	172	18: 3:44	-29: 4:52	186288/	0:17	1:35	B9	7.90	.00	248	148	94	9600 H	830	5.85
482	1.0L	437	133	18: 3:49	-26: 6:25	NO*	0: 6	0:49				113	5	92	105	1155	6.44
483	3.0L	437	135	18: 3:49	-26: 6:25	NO*	0: 3	-1:17				415	59	373	2500	3300	5.29
484	3.0C	432	126	18: 3:49	-26: 6:25	NO*	0: 3	0:26				65	15	25	465	310	6.92
485	10.0C	440	123	18: 3:49	-26: 6:25	NO*	0: 0	-0:30				159	53	41	3028D	498	6.40
486	30.0C	446	112	18: 3:49	-26: 6:25	NO*	-0:11	0:29				265	117	109	8704?	790	5.90
487	3.0L	497	159	18: 3:50	-27:30:53	186292	-0:12	2:12	B5	9.00	.00	412	16	362	617	960	6.64
488	10.0C	501	149	18: 3:50	-27:30:53	186292	-0: 8	-0:13	B5	9.00	.00	97	19	44	650 L	110	8.05
489	30.0C	506	141	18: 3:50	-27:30:53	186292	-0:13	1:32	B5	9.00	.00	156	54	101	2071 L	110	8.05
490	3.0L	430	131	18: 3:52	-25:57:10							399	14	373	366	785	6.86
491	1.0L	683	239	18: 3:56	-31:50:39	NO*	0:14	3:32				129	7	95	199?	576	7.20
492	3.0L	689	238	18: 3:56	-31:50:39	NO*	-0:14	-3:33				388	6	363	132	1167	6.43
493	3.0L	947	347	18: 3:58	-37:31:58	209728?	-0:25	0:44	B9	9.30	8.94	306	21	268	800 H	890	6.72
494	10.0C	950	337	18: 3:58	-37:31:58	209728	-0:18	-1:30	B9	9.30	8.94	75	28	37	802	130	7.87
495	30.0C	955	330	18: 3:58	-37:31:58	209728	-0:18	0: 4	B9	9.30	8.94	125	75	78	2460	120	7.96
496	3.0L	633	220	18: 4: 8	-30:40:13	209733	0: 2	0:49	B9	8.89	8.50	404	26	354	978 H	1350	6.27
497	3.0C	629	212	18: 4: 8	-30:40:13	209733	0: 1	-0: 9	B9	8.89	8.50	56	9	22	243	240	7.20
498	10.0C	637	210	18: 4: 8	-30:40:13	209733	0: 6	-1:31	B9	8.89	8.50	128	30	41	1363	160	7.64
499	30.0C	642	202	18: 4: 8	-30:40:13	209733	0: 1	0:18	B9	8.89	8.50	173	63	98	2864	145	7.75
500	3.0L	610	210	18: 4:10	-30:11: 3	209734	-0: 5	3: 7	A0	9.32	9.23	392	15	363	380?H	730	6.94

UNCLASSIFIED

SAGITTARIUS WEST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
501	10.0C	848	301	18: 4:19	-35:23:46	209741	0: 0	-0:26		8.67	9.20	63	4	40	87	45	9.03
502	30.0C	853	295	18: 4:19	-35:23:46	209741	0: 5	-0:18		8.67	9.20	110	27	88	624	31	9.43
503	3.0L	394	119	18: 4:22	-25: 6:42	186306	-0:14	-1:59	B	8.40	.00	401	160	352	5471 H	8600	4.25
504	10.0C	394	109	18: 4:22	-25: 6:42	186306	-0: 3	0:11	B	8.40	.00	89	23	47	664	110	8.05
505	30.0C	398	101	18: 4:22	-25: 6:42	186306	0: 0	2:36	B	8.40	.00	173	82	114	2947	170	7.58
506	3.0L	463	153	18: 4:28	-26:41:59	186310	-0:16	-3:57	A0	8.80	.00	402	18	371	433	820	6.81
507	10.0C	463	141	18: 4:28	-26:41:59	186310	-0:12	0:21	A0	8.80	.00	67	5	44	108 L	49	8.93
508	3.0L	412	132	18: 4:31	-25:36: 3	186315	-0: 1	-0: 6	B9	8.50	.00	398	8	374	184	440	7.49
509	10.0C	415	120	18: 4:31	-25:36: 3	186315	-0: 4	0:40	B9	8.50	.00	113	25	51	976	135	7.83
510	30.0C	419	112	18: 4:31	-25:36: 3	186315	-0: 3	1:56	B9	8.50	.00	205	49	113	2675	155*	7.68
511	30.0C	423	116	18: 4:31	-25:36: 3	186315	0: 9	-4:31	B9	8.50	.00	137	4	114	88?L		
512	3.0L	829	305	18: 4:33	-35: 1:46	209746	-0:10	-2:11	B8	8.66	8.22	349	8	323	194 L	410	7.57
513	3.0C	823	296	18: 4:33	-35: 1:46	209746	-0:18	0: 8	B8	8.66	8.22	49	7	23	160 L	203	7.38
514	10.0C	831	293	18: 4:33	-35: 1:46	209746	-0:17	-0:41	B8	8.66	8.22	116	38	40	1665	225	7.27
515	30.0C	837	284	18: 4:33	-35: 1:46	209746?	-0:31	0:34	B8	8.66	8.22	162	84	92	3663	195	7.43
516	3.0L	292	75	18: 4:39	-22:54:17	186320/	-0:15	4:20	B2	9.10	.00	397	9	375	200 L	480	7.39
517	3.0C	286	70	18: 4:39	-22:54:17	186320/	0: 6	4: 6	B2	9.10	.00	66	31	23	982	530	6.34
518	10.0C	294	67	18: 4:39	-22:54:17	186320/	0: 3	3:24	B2	9.10	.00	159	61	48	3000	395E	6.66
519	3.0L	305	88	18: 4:43	-23: 6:45	186324	0:13	-4:39	B9	8.40	.00	386	10	354	257?L	535	7.28
520	3.0C	297	74	18: 4:43	-23: 6:45	186324	0: 0	2: 3	B9	8.40	.00	49	(6)	28	117 L	184	7.49
521	10.0C	304	71	18: 4:43	-23: 6:45	186324	-0: 7	2:52	B9	8.40	.00	112	46	45	1730	306	6.94
522	30.0C	308	64	18: 4:43	-23: 6:45	186324	0: 1	4:48	B9	8.40	.00	250	86	128	4900	390E	6.67
523	3.0L	291	77	18: 4:48	-22:53:13	186325	-0:11	2:27	B3	8.50	.00	397	9	375	200 L	480	7.39
524	3.0C	286	70	18: 4:48	-22:53:13	186325/	-0: 2	3: 3	B3	8.50	.00	66	31	23	982	530	6.34
525	10.0C	294	67	18: 4:48	-22:53:13	186325/	-0: 6	2:20	B3	8.50	.00	159	61	48	3000	395E	6.66
526	3.0L	582	206	18: 4:50	-29:34:20	NO*	-0: 6	0:53				396	10	364	252	550	7.25
527	10.0C	587	195	18: 4:50	-29:34:20	NO*	-0: 7	-1: 0				73	10	41	260	70	8.55
528	30.0C	590	191	18: 4:50	-29:34:20	NO*	0:12	0: 6				124	39	87	1137	50	8.91
529	3.0L	475	165	18: 4:52	-27: 8: 2	186327	-0: 2	2:39	A0	9.30	.00	399	15	365?	429 H	780	6.87
530	10.0C	479	154	18: 4:52	-27: 8: 2	186327	-0: 3	0:42	A0	9.30	.00	81	17	41	518	94	8.22
531	30.0C	484	146	18: 4:52	-27: 8: 2	186327	-0: 8	2:26	A0	9.30	.00	137	47	98	1422	64	8.64
532	3.0L	484	168	18: 4:57	-27:19:20	186331	-0:12	0:56	B9	8.60	.00	426	59	372	1686 H	2350	5.66
533	3.0C	479	161	18: 4:57	-27:19:20	186331	-0: 7	2:14	B9	8.60	.00	53	5	24	132 L	190	7.46
534	10.0C	487	158	18: 4:57	-27:19:20	186331	-0: 5	0:51	B9	8.60	.00	122	26	45	1157	155	7.68
535	30.0C	491	152	18: 4:57	-27:19:20	186331	0: 1	1:41	B9	8.60	.00	182	72	106	3010	160	7.64
536	3.0L	401	131	18: 5: 1	-25:21:26	186332	-0:19	-1: 3	B2	8.50	.00	407	24	364	665	1100	6.49
537	3.0C	394	124	18: 5: 1	-25:21:26	186332	-0: 1	0:26	B2	8.50	.00	54	10	24	250 L	245	7.18
538	10.0C	402	121	18: 5: 1	-25:21:26	186332	-0: 5	-0:28	B2	8.50	.00	127	51	44	2133 L	295	6.98
539	3.0L	803	298	18: 5: 4	-34:31: 6	209755	-0:18	-1: 8	B8	8.20	7.87	370	7	342	174 L	385	7.64
540	3.0C	798	291	18: 5: 4	-34:31: 6	209755	-0:17	-0:55	B8	8.20	7.87	48	11	22	255 L	255	7.13
541	10.0C	806	288	18: 5: 4	-34:31: 6	209755	-0:14	-0:35	B8	8.20	7.87	124	59	44	2668	350	6.79
542	30.0C	811	281	18: 5: 4	-34:31: 6	209755	-0:16	-0:18	B8	8.20	7.87	182	138	95	6661	490	6.42
543	3.0L	379	126	18: 5: 5	-24:53:57	186334	0: 3	-1:13	A3	9.40	.00	386	6	347	209?H	425	7.53
544	3.0L	885	335	18: 5: 8	-36:19:43	209758	-0:15	-0: 1	A0	9.00	8.70	322	31	283	1392 H	1000	6.59
545	10.0C	889	324	18: 5: 8	-36:19:43	209758?	-0:21	-0:30	A0	9.00	8.70	92	34	37	1222 H	175	7.55
546	30.0C	894	316	18: 5: 8	-36:19:42	209758?	-0:27	1:27	A0	9.00	8.70	141	90	82	3448 H	205*	7.37
547	30.0C	892	320	18: 5: 8	-36:19:43	209758	-0: 2	0:45	A0	9.00	8.70	136	23	82	828		
548	3.0L	522	187	18: 5:13	-28:13: 3	NO	-0: 5	-0: 1				384	11	349	308	595	7.16
549	10.0C	524	179	18: 5:13	-28:13: 3	NO	0: 8	-0:31				65	3	41	67	37	9.24
550	30.0C	530	169	18: 5:13	-28:13: 3	NO	-0: 4	0:32				115	10	89	230	19	9.97

SAGITTARIUS WEST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
551	3.0L	314	96	18: 5:17	-23:26:24	186340	-0: 6	0:22	B9	9.50	.00	395	89	346	2747?H	3350	5.28
552	10.0C	316	85	18: 5:17	-23:26:24	186340	-0: 6	2: 0	B9	9.50	.00	99	37	45	1397	265	7.09
553	30.0C	319	81	18: 5:17	-23:25:24	186340	0:15	2:38	B9	9.50	.00	308	295	130	31500 H	4000	4.13
554	10.0C	283	72	18: 5:26	-22:40:42							93	32	45?	1014	150E	7.71
555	3.0L	604	221	18: 5:31	-30: 9:25	209762	-0:16	2:11	A2	8.63	8.55	389	12	358	278?	580	7.19
556	1.0L	446	159	18: 5:32	-26:30:27	NO	0: 2	1:40				131	9	94	263?		
557	1.0L	450	161	18: 5:32	-26:30:27	NO	0: 4	-3:54				143	17	96	560	1350*	6.27
558	3.0L	445	159	18: 5:32	-26:30:27	NO	-0: 5	2:15				377	30	347	900	1300	6.31
559	3.0L	650	245	18: 5:39	-31:15:25	209767:	0: 4	2:10	B9	9.38	9.28	388	16	355	430 H	750	6.91
560	3.0C	644	237	18: 5:39	-31:15:25	209767:	0: 5	5:10	B9	9.38	9.28	59	9	21	257	245	7.18
561	10.0C	657	230	18: 5:39	-31:15:25	209767?	-0:29	0:20	B9	9.38	9.28	70	12	41	281 L		
562	10.0C	652	235	18: 5:39	-31:15:25	209767:	0: 9	3:49	B9	9.38	9.28	134	52	38	2286DH	330*	6.85
563	30.0C	657	227	18: 5:39	-31:15:25	209767:	0: 7	4: 0	B9	9.38	9.28	181	133	84	6899 H	480	6.44
564	3.0L	461	167	18: 5:41	-26:52:30	186345	-0:18	1:47	B5	9.00	.00	393	8	363	186 L	435	7.50
565	10.0C	465	157	18: 5:41	-26:52:30	186345	-0:13	0:32	B5	9.00	.00	75	9	41	247 L	68	8.58
566	30.0C	470	148	18: 5:41	-26:52:30	186345	-0:17	2:16	B5	9.00	.00	135	42	95	1305 L	58	8.75
567	3.0L	650	245	18: 5:44	-31:10: 7	209771/	-0: 1	-3: 7	A0	7.69	.00	388	16	355	430	750	6.91
568	3.0C	644	237	18: 5:44	-31:10: 7	209771/	-0: 1	-0: 8	A0	7.69	.00	59	9	21	257 L	245	7.18
569	10.0C	652	235	18: 5:44	-31:10: 7	209771/	0: 4	-1:28	A0	7.69	.00	134	52	38	2286D	330	6.85
570	30.0C	657	227	18: 5:44	-31:10: 7	209771/	0: 2	-1:17	A0	7.69	.00	181	133	84	6899	480	6.44
571	1.0L	401	141	18: 5:48	-25:28:53	186350	-0: 7	1:18	B8	6.27	.00	180	41	92	1803	2507	5.59
572	3.0L	400	143	18: 5:48	-25:28:53	186350	-0: 4	0:59	B8	6.27	.00	445	131	364	8500	14000	3.71
573	.5C			18: 5:48	-25:28:53	186350			B8	6.27	.00			27		1696	5.07
574	3.0C	396	135	18: 5:48	-25:28:53	186350	-0: 1	1: 3	B8	6.27	.00	256	55	24	4415	1783	5.01
575	10.0C	404	132	18: 5:48	-25:28:53	186350	-0: 4	0:10	B8	6.27	.00	395	115	40	13939D	2216	4.78
576	30.0C	408	125	18: 5:48	-25:28:53	186350	0: 2	0:58	B8	6.27	.00	386	417	108	41397	4600	3.98
577	3.0L	776	298	18: 5:54	-34: 1: 1	209777	-0:10	-1: 6	B8	9.25	9.02	379	14	348	334	1170*	6.42
578	3.0L	774	303	18: 5:54	-34: 1: 1	209777	0:20	-2:18	B8	9.25	9.02	368	10	334	281?		
579	3.0C	771	290	18: 5:54	-34: 1: 1	209777	-0: 9	-0:54	B8	9.25	9.02	53	8	23	200	225	7.27
580	10.0C	779	287	18: 5:54	-34: 1: 1	209777	-0: 8	-1:43	B8	9.25	9.02	128	31	46	1409	185	7.48
581	30.0C	782	283	18: 5:54	-34: 1: 1	209777	0:13	0:36	B8	9.25	9.02	172	69	101	2926	150	7.71
582	1.0L	899	348	18: 5:58	-36:40:54	209779	-0:21	0:44	B0	6.58	.00	180	64	88	3032	4500	4.95
583	3.0L	898	349	18: 5:58	-36:40:54	209779	-0:21	0:50	B0	6.58	.00	428	103	293	7949	11000	3.98
584	.5C	902	342	18: 5:58	-36:40:54	209779	-0:15	0:23	B0	6.58	.00	71	28	26	861	2900	4.48
585	3.0C	893	341	18: 5:58	-36:40:54	209779	-0:20	0:59	B0	6.58	.00	223	82	23	6267	3000	4.45
586	10.0C	902	339	18: 5:58	-36:40:54	209779	-0:15	-1:21	B0	6.58	.00	414	149	40	21065	3900	4.16
587	30.0C	906	333	18: 5:58	-36:40:54	209779	-0: 7	0:50	B0	6.58	.00	396	348	79	46133	4050	4.12
588	3.0L	310	107	18: 6: 5	-23:26:40	186360	0: 2	-0:20	B9*	9.30	.00	383	13	350	400 H	690	7.00
589	10.0C	313	92	18: 6: 5	-23:26:40	186360	-0:16	1:43	B9*	9.30	.00	105	95	48	3642 H	520	6.36
590	3.0L	279	88	18: 6:12	-22:47:11	186365?	-0:26	4:36	B8	8.70	.00	376	15	350	350 L	630	7.10
591	10.0C	282	81	18: 6:12	-22:47:11	186365	-0: 5	3: 6	B8	8.70	.00	92	40	45	1306	180	7.51
592	30.0C	287	72	18: 6:12	-22:47:11	186365	-0:10	4:22	B8	8.70	.00	221	74	128	4632	355E	6.77
593	1.0L	334	116	18: 6:14	-23:59:51	186366	-0: 5	2: 8	B0	7.48	.00	180	48	99	2142	3300	5.29
594	3.0L	333	116	18: 6:14	-23:59:51	186366	-0:12	2:43	B0	7.48	.00	453	54	339	3938	4300	5.00
595	.5C	337	110	18: 6:14	-23:59:51	186366	0: 1	1:53	B0	7.48	.00	70	24	28	697	2832	4.51
596	3.0C	329	109	18: 6:14	-23:59:51	186366	-0:11	1:33	B0	7.48	.00	258	78	26	6698	2925	4.47
597	10.0C	337	107	18: 6:14	-23:59:51	186366	-0:10	0:15	B0	7.48	.00	411	130	46	19745D	3700	4.22
598	30.0C	340	100	18: 6:14	-23:59:51	186366	-0: 1	3: 6	B0	7.48	.00	421	640	113	100000?H	11000	3.03
599	3.0L	371	133	18: 6:16	-24:49:42	186368	-0:18	0:41	B8	9.40	.00	388	11	358	275	575	7.20
600	30.0C	377	117	18: 6:16	-24:49:42	186368	-0: 2	2: 6	B8	9.40	.00	137	5	115	116 L	15	10.23

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SAGITTARIUS WEST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
601	3.0L	293	103	18: 6:23	-23: 5:10	186371	-0: 1	-0:26	A0	9.30	.00	370	38	338	911?H	1300	6.31
602	3.0L	435	166	18: 6:24	-26:21:12	186372	-0: 1	1:28	A0	9.00	.00	391	27	355	736 H	1130	6.46
603	10.0C	438	156	18: 6:24	-26:21:12	186372	0: 5	0:14	A0	9.00	.00	82	18	38	570	100	8.16
604	30.0C	442	151	18: 6:24	-26:21:12	186372	0:16	0:36	A0	9.00	.00	137	57	89	1953	96	8.20
605	3.0L	361	130	18: 6:28	-24:40:24	186374?	-0:24	4:19	B8	8.90	.00	399	43	358	1330	2000*	5.84
606	3.0L	362	135	18: 6:28	-24:40:24	186374	-0: 0	0:55	B8	8.90	.00	380	3	358	69 L		
607	10.0C	366	123	18: 6:28	-24:40:24	186374	-0: 8	-0:37	B8	8.90	.00	80	22	45	605	105	8.10
608	30.0C	371	114	18: 6:28	-24:40:24	186374	-0:12	1: 4	B8	8.90	.00	172	46	123	1385 L	72	8.51
609	3.0L	317	117	18: 6:33	-23:34:39	186375/	0: 6	-4:25	A2	8.60	.00	455	306	342	19000	31000	2.85
610	10.0C	515	187	18: 6:34	-28: 6:25	NO	-0:12	-0:19				68	8	39	190	61	8.70
611	30.0C	518	184	18: 6:34	-28: 6:25	NO	0:12	0:19				127	34	90	920	42	9.10
612	1.0L	813	319	18: 6:37	-34:52:43	209789	-0:16	-1: 7	B5	9.11	8.79	114	8	90	177 L	480	7.39
613	3.0L	812	320	18: 6:37	-34:52:43	209789	-0:16	-1: 0	B5	9.11	8.79	392	25	331	931	1200	6.40
614	3.0C	807	313	18: 6:37	-34:52:43	209789	-0:15	-0:49	B5	9.11	8.79	68	17	22	546	350	6.79
615	10.0C	815	310	18: 6:37	-34:52:43	209789	-0:11	-0:26	B5	9.11	8.79	175	52	40	3024	385	6.69
616	30.0C	819	305	18: 6:37	-34:52:43	209789	-0: 0	0: 3	B5	9.11	8.79	209	109	87	7133	500	6.40
617	30.0C	861	317	18: 6:38	-35:44:56	209790?	-0:35	1:23	A0	9.90	9.45	107	5	83	111?L	14	10.30
618	3.0L	707	278	18: 6:39	-32:33:50	209791	-0: 7	-1:58	B8	9.14	8.90	374	15	345	373	680	7.01
619	3.0C	702	271	18: 6:39	-32:33:50	209791	-0: 3	-0:36	B8	9.14	8.90	51	6	22	148	198	7.41
620	10.0C	710	268	18: 6:39	-32:33:50	209791	-0: 3	-1:26	B8	9.14	8.90	114	32	40	1251	175	7.55
621	30.0C	715	260	18: 6:39	-32:33:50	209791	-0: 8	0:24	B8	9.14	8.90	157	73	85	3206	160	7.64
622	3.0C	836	326	18: 6:40	-35:35:39	209792/	-0:12	4: 5	A0	8.88	8.75	45	4	23	86 L	155	7.68
623	10.0C	844	323	18: 6:40	-35:35:39	209792/	-0: 8	4:30	A0	8.88	8.75	105	35	37	1490DH	234	7.23
624	1.0L	321	120	18: 6:42	-23:41:27	186379:	0: 5	-3:44	B	9.10	.00	162	114	90	4664 H	8300	4.29
625	3.0L	317	117	18: 6:42	-23:41:27	186379:	-0: 4	2:22	B	9.10	.00	455	306	342	19000	31000	2.85
626	.5C	324	114	18: 6:42	-23:41:27	186379:	0:15	-3:32	B	9.10	.00	54	18	26	423	1820	4.99
627	3.0C	312	108	18: 6:42	-23:41:27	186379:	-0: 8	3:39	B	9.10	.00	181	72	24	5104DH	2032	4.87
628	10.0C	320	105	18: 6:42	-23:41:27	186379:	-0:10	1:57	B	9.10	.00	399	177	48	18045DH		
629	10.0C	323	111	18: 6:42	-23:41:27	186379:	0:10	-3:43	B	9.10	.00	397	249	49	23492DH	8400*	3.32
630	30.0C	327	103	18: 6:42	-23:41:27	186379:	0:13	-1:20	B	9.10	.00	446	610	113	95000 H	10000	3.13
631	1.0L	321	120	18: 6:43	-23:39:20	186380:	0: 6	5:51	B	8.70	.00	162	114	90	4664 H	8300	4.29
632	3.0L	317	117	18: 6:43	-23:39:20	186380:	-0: 5	0:15	B	8.70	.00	455	306	342	19000	31000	2.85
633	3.0C	312	108	18: 6:43	-23:39:20	186380:	-0: 9	1:32	B	8.70	.00	181	72	26	4960 H	2300	4.74
634	10.0C	320	105	18: 6:43	-23:39:20	186380:	-0:10	-0: 9	B	8.70	.00	399	177	48	18045 H		
635	10.0C	323	111	18: 6:43	-23:39:20	186380?	0:10	-5:49	B	8.70	.00	397	249	49	23492 H	8400*	3.32
636	30.0C	327	103	18: 6:43	-23:39:20	186380:	0:12	-3:27	B	8.70	.00	446	610	113	95000 H	10000	3.13
637	3.0L	837	333	18: 6:44	-35:30:40	209797	-0: 8	3:33	B8	8.88	8.58	337	10	312	222 L	430	7.51
638	3.0C	836	326	18: 6:44	-35:30:40	209797/	-0:16	-0:53	B8	8.88	8.58	45	4	23	86 L	155	7.68
639	10.0C	844	323	18: 6:44	-35:30:40	209797/	-0:13	-0:29	B8	8.88	8.58	105	35	37	1490D	234	7.23
640	30.0C	849	315	18: 6:44	-35:30:40	209797?	-0:21	0:16	B8	8.88	8.58	156	169	82	6466	465*	6.48
641	30.0C	847	320	18: 6:44	-35:30:40	209797	0:12	0:17	B8	8.88	8.58	139	18	87	621 L		
642	3.0L	317	117	18: 6:45	-23:39:57	186381:	-0: 6	0:52	B8	9.40	.00	455	306	342	19000	31000	2.85
643	.5C	320	108	18: 6:45	-23:39:57	186381:	-0: 4	2:39	B8	9.40	.00	52	17	27	379 H	1750	5.03
644	3.0C	315	114	18: 6:45	-23:39:57	186381:	0:11	-4:23	B8	9.40	.00	189	80	24	5761DH	2032	4.87
645	10.0C	323	111	18: 6:45	-23:39:57	186381?	0: 8	-5:13	B8	9.40	.00	397	249	49	23492DH	8400*	3.32
646	10.0C	320	105	18: 6:45	-23:39:57	186381:	-0:12	0:27	B8	9.40	.00	399	177	48	18045DH		
647	30.0C	327	103	18: 6:45	-23:39:57	186381:	0:10	-2:50	B8	9.40	.00	446	610	113	95000 H	10000	3.13
648	30.0C	471	166	18: 6:47	-27: 1:27	NO						113	15	88	346?	22	9.81
649	3.0L	317	117	18: 6:48	-23:37:28	186385/	-0: 9	-1:36	B5	9.50	.00	455	306	342	19000	31000	2.85
650	.5C	320	108	18: 6:48	-23:37:28	186385/	-0: 7	0:10	B5	9.50	.00	52	17	27	379 H	1750	5.03

SAGITTARIUS WEST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
651	3.0C	315	114	18: 6:48	-23:37:28	186385/	0: 6	-6:49	B5	9.50	.00	189	80	24	5761DH	2032	4.87
652	10.0C	320	105	18: 6:48	-23:37:28	186385/	-0:15	-2: 1	B5	9.50	.00	399	177	48	18045DH	3500	4.28
653	1.0L	343	108	18: 7: 0	-24: 8	N6559	-1:49	3:40	NEB			94	64	92	66	66	9.56
654	3.0C	331	119	18: 7: 0	-24: 8	N6559	-0:14	-2:30	NEB			58	64	38	228	76	8.46
655	10.0C	339	116	18: 7: 0	-24: 8	N6559	-0:19	2:51	NEB			140	60	46	3100	310	6.92
656	30.0C	343	129	18: 7: 0	-24: 8	N6559?	-1:15	-6: 5	NEB			141	64	132	336	11	10.56
657	1.0L	321	120	18: 7: 3	-23:47: 0	186389/	-0:15	1:50	B5*	7.64	.00	162	114	90	4664 H	8300	4.29
658	3.0L	317	117	18: 7: 3	-23:47: 0	186389/	-0:27	7: 6	B5*	7.64	.00	455	306	342	19000	31000	2.85
659	.5C	324	114	18: 7: 3	-23:47: 0	186389/	-0: 5	2: 1	B5*	7.64	.00	54	18	26	423	1820	4.99
660	3.0C	315	114	18: 7: 3	-23:47: 0	186389/	-0: 7	2:40	B5*	7.64	.00	189	80	24	5761DH	2180	4.79
661	10.0C	323	111	18: 7: 3	-23:47: 0	186389/	-0:11	1:51	B5*	7.64	.00	397	749	49	23492DH	4900	3.91
662	30.0C	327	103	18: 7: 3	-23:47: 0	186389/	-0: 8	4:14	B5*	7.64	.00	446	610	113	95000 H	10000	3.13
663	3.0L	557	226	18: 7: 6	-29:13:24	186391	0: 4	-0:20	A2	8.00	.00	379	11	354	257?	540	7.27
664	10.0C	719	280	18: 7: 9	-32:50:53	NO	0:14	-0:27				93	19	41	661	110	8.05
665	30.0C	725	269	18: 7: 9	-32:50:53	NO	-0:13	0:27				141	45	90	1697	80	8.40
666	10.0C	798	309	18: 7:12	-34:32:57	209808	-0:16	-1:11	A0	8.93	8.68	64	5	38	120 L	60	8.71
667	30.0C	804	298	18: 7:12	-34:32:57	209808?	-0:35	0:28	A0	8.93	8.68	111	18	82	472	56	8.79
668	3.0L	307	125	18: 7:14	-23:25:11	186395?	0:18	-6:35	A0	9.00	.00	372	21	322	813 H	1100	6.49
669	30.0C	309	106	18: 7:14	-23:25:11	186395?	0:31	0:45	A0	9.00	.00	144	18	109	480?L	26	9.63
670	3.0L	902	368	18: 7:16	-36:54:46							375	24	292	1139?	1200	6.40
671	3.0L	585	238	18: 7:17	-29:55: 3	186397	-0: 1	3: 3	B9	8.80	.00	391	35	351	1020 H	1400	6.23
672	10.0C	352	130	18: 7:25	-24:27:53	186402	-0: 7	0:26	B8	9.60	.00	77	13	41	375	80	8.40
673	30.0C	357	120	18: 7:25	-24:27:53	186402	-0:16	2:33	B8	9.60	.00	160	59	109	1914	100	8.16
674	1.0L	325	129	18: 7:29	-23:55:47	186406	-0: 8	2:26	B5*	8.80	.00	116	18	88	416	1346	6.27
675	3.0L	324	128	18: 7:29	-23:55:47	186406	-0:16	3: 1	B5*	8.80	.00	434	102	341	5000	3667	5.18
676	3.0C	320	122	18: 7:29	-23:55:47	186406	-0: 9	1:25	B5*	8.80	.00	88	39	24	1465D	751	5.96
677	10.0C	328	119	18: 7:29	-23:55:47	186406	-0:13	0:37	B5*	8.80	.00	222	76	49	6000 H	930	5.72
678	3.0L	385	158	18: 7:30	-25:19:53	186407	-0: 7	1:59	B9	9.20	.00	391	53	339	1693?H	2100	5.78
679	3.0L	479	196	18: 7:31	-27:25:49	186408	-0:17	-0:16	B9	9.00	.00	384	8	353	186?		
680	3.0L	475	202	18: 7:31	-27:25:49	186408	0:17	2: 9	B9	9.00	.00	386	12	360	259?	975*	6.62
681	1.0L	760	309	18: 7:36	-33:48:39	209817	-0:12	-1:48	B5	6.24	.00	396	93	98	9526 H	24000	3.13
682	3.0L	758	310	18: 7:36	-33:48:39	209817	-0:10	-0:30	B5	6.24	.00	462	220	332	15000 H	26000	3.04
683	.5C	763	303	18: 7:36	-33:48:39	209817	-0: 4	-1:19	B5	6.24	.00	277	61	27	4510 H	12000	2.93
684	3.0C	754	303	18: 7:36	-33:48:39	209817	-0: 3	-0:47	B5	6.24	.00	414	132	24	14356 H	7700	3.42
685	10.0C	762	299	18: 7:36	-33:48:39	209817	-0: 8	-1: 6	B5	6.24	.00	433	305	40	38188	7400	3.46
686	30.0C	767	293	18: 7:36	-33:48:39	209817	-0: 3	-0:11	B5	6.24	.00	411	535	88	70404 L	6700	3.57
687	3.0L	403	169	18: 7:39	-25:41: 6	186409	-0: 0	-2:14	A0	9.40	.00	379	9	349	220?	455	7.45
688	10.0C	836	327	18: 7:48	-35:24: 0	209820?	-0:38	-0:40	A3	9.80	9.71	61	3	37	70D	60	8.71
689	30.0C	840	321	18: 7:48	-35:24: 0	209820?	-0:32	1:13	A3	9.80	9.71	108	5	83	118?	14	10.30
690	3.0L	518	221	18: 7:49	-28:20:13	186414	0:14	-3:59	A0	8.60	.00	370	5	340	135?L	305	7.89
691	3.0L	279	110	18: 7:50	-22:54:44	186415?	-0:26	2:13	B9	9.40	.00	361	8	336	175?		
692	3.0L	277	113	18: 7:50	-22:54:44	186415	-0: 7	3:13	B9	9.40	.00	364	6	332	164?	745*	6.92
693	30.0C	287	90	18: 7:50	-22:54:44	186415?	-0:31	3: 1	B9	9.40	.00	131	9	107	189 L		
694	30.0C	285	95	18: 7:50	-22:54:44	186415	-0: 7	3:34	B9	9.40	.00	131	25	103	580?L	45*	9.03
695	3.0L	576	241	18: 7:51	-29:45:49	186417	0: 0	2:58	A5	8.10	.00	381	4	351	107?	265	8.04
696	3.0L	447	190	18: 7:56	-26:41:12	186419	-0: 7	-4:47	A3	10.00	.00	389	5	360?	119?H	1350*	6.27
697	3.0L	444	193	18: 7:56	-26:41:12	186419/	0:14	-2:38	A3	10.00	.00	382	12	347	348?H		
698	3.0L	570	240	18: 8: 2	-29:30:47	186421	-0: 4	-4:35	A0	9.20	.00	384	25	352	586?H	960	6.64
699	10.0C	688	275	18: 8: 4	-32:13: 0	NO	-0: 4	-1: 1				69	11	37	280	74	8.48
700	30.0C	692	269	18: 8: 4	-32:13: 0	NO	0: 4	1: 2				118	37	84	963	44	9.05

UNCLASSIFIED

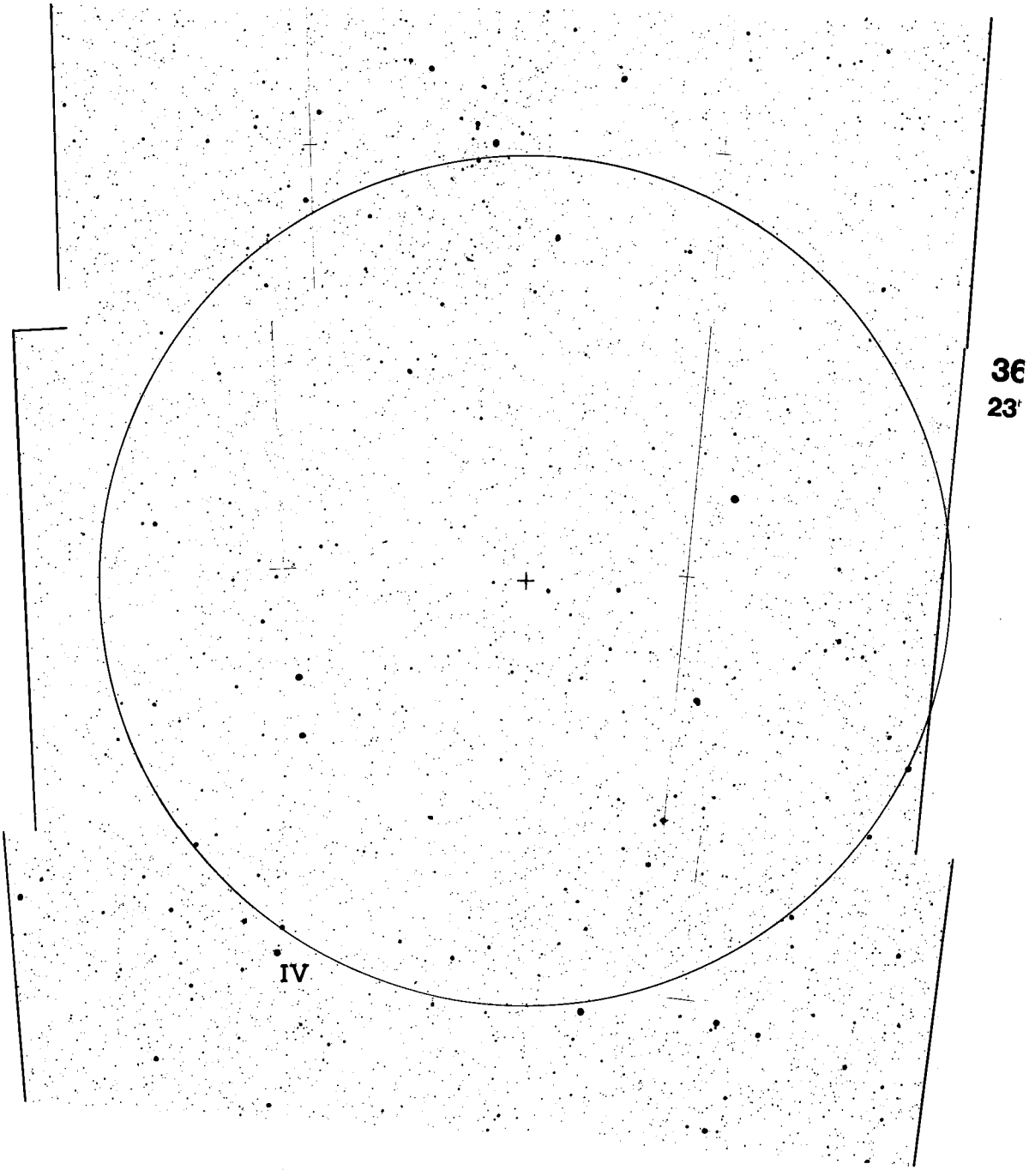

Fig. 6a — Preselected target field (Grus). The approximate area covered by the S201 pointing is shown by the circle.

SAGITTARIUS WEST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
701	3.0L	622	263	18: 9: 5	-30:44: 0	209826	0: 5	-3:57	A3	9.55	9.70	371	5	341	140?H	320	7.84
702	3.0L	579	251	18: 8: 6	-29:54:48	186424?	0:30	2:41	A0	8.30	.00	384	19	350	488	810	6.82
703	10.0C	586	237	18: 8: 6	-29:54:48	186424/	0: 8	-0: 8	A0	8.30	.00	79	7	45	188 L	60	8.71
704	1.0L	316	135	18: 8: 7	-23:46:45	NO						134	11	86	390?	665	7.04
705	3.0L	444	193	18: 8:10	-26:39:25	186426/	0: 1	-4:25	A5	9.00	.00	382	12	355	288 H	585	7.18
706	10.0C	586	237	18: 8:15	-29:54:56	186432/	-0:17	-2:51	A0	8.90	.00	79	7	45	188 L	60	8.71
707	3.0L	811	339	18: 8:20	-35: 2:14	209832	-0:16	0: 6	B8	6.99	.00	387	27	315	1096 L	1280	6.32
708	3.0C	807	332	18: 8:20	-35: 2:14	209832	-0:12	-1:21	B8	6.99	.00	79	20	23	704 L	410	6.62
709	10.0C	815	329	18: 8:20	-35: 2:14	209832	-0:14	-0:28	B8	6.99	.00	206	57	38	3850 L	505	6.39
710	30.0C	820	321	18: 8:20	-35: 2:14	209832	-0:20	1:28	B8	6.99	.00	236	85	83	6399 L	295	6.98
711	3.0L	693	292	18: 8:22	-32:24:58	209833	-0: 8	-0:32	B8	8.69	8.32	382	32	337	979 H	1310	6.30
712	3.0C	688	285	18: 8:22	-32:24:58	209833	-0: 1	-0:49	B8	8.69	8.32	61	9	21	273	250	7.16
713	10.0C	696	282	18: 8:22	-32:24:58	209833	-0: 1	-1:37	B8	8.69	8.32	136	31	38	1590	210	7.35
714	30.0C	700	277	18: 8:22	-32:24:58	209833	0:10	-1:11	B8	8.69	8.32	174	68	89	3586	185	7.48
715	10.0C	550	227	18: 8:27	-29: 6:43	NO	0: 5	-1: 3				78	12	46	289	70	8.55
716	30.0C	555	218	18: 8:27	-29: 6:43	NO	-0: 5	1: 3				129	60	84	2050	105	8.10
717	10.0C	785	319	18: 8:30	-34:24:14	209834	-0: 6	-1: 6	B9	9.10	8.73	75	13	42	335	75	8.47
718	30.0C	791	310	18: 8:30	-34:24:14	209834	-0:19	0: 4	B9	9.10	8.73	121	56	79	1674	90*	8.27
719	30.0C	789	314	18: 8:30	-34:24:14	209834	0: 6	-0:37	B9	9.10	8.73	123	6	97	141?L		
720	3.0L	579	251	18: 8:32	-29:52: 4	186432/	0: 5	-0: 2	A0*	8.90	.00	384	19	350	488 H	810	6.82
721	3.0C	574	243	18: 8:32	-29:52: 4	186432	0: 1	0:35	A0*	8.90	.00	59	7	26	175	205	7.37
722	10.0C	582	241	18: 8:32	-29:52: 4	186432	0: 7	0:28	A0*	8.90	.00	124	27	45	1212 H	160	7.64
723	30.0C	587	233	18: 8:32	-29:52: 4	186432	0: 6	0:37	A0*	8.90	.00	183	80	94	4000 H	220	7.30
724	10.0C	645	263	18: 8:35	-31:16:52	NO	-0: 6	-0:12				77	10	42	274	70	8.55
725	30.0C	649	258	18: 8:35	-31:16:52	NO	0: 5	0:13				118	27	86	718	35	9.30
726	3.0L	327	142	18: 8:36	-24: 4:17	186435?	-0:30	1:35	B9	9.20	.00	368	29	311	1267?H	1550*	6.12
727	3.0L	325	151	18: 8:36	-24: 4:17	186435/	0:18	-1:13	B9	9.20	.00	356	4	332	85?		
728	3.0L	346	155	18: 8:37	-24:27:54	186436	-0:10	-3:20	A0	9.40	.00	367	16	330	504?H		
729	3.0L	342	156	18: 8:37	-24:27:54	186436	0: 3	0:53	A0	9.40	.00	373	56	334	1478?H	2600*	5.55
730	3.0L	703	299	18: 8:38	-32:39:51	209837	-0: 8	-0:34	B8	8.37	7.75	386	17	335	534	805	6.83
731	3.0C	698	292	18: 8:38	-32:39:51	209837	-0: 7	-0:23	B8	8.37	7.75	79	14	22	499	320	6.89
732	10.0C	706	289	18: 8:38	-32:39:51	209837	-0: 2	-1:38	B8	8.37	7.75	178	39	42	2285	300	6.96
733	30.0C	712	279	18: 8:38	-32:39:51	209837?	-0:22	-1:14	B8	8.37	7.75	211	80	95	5214	330	6.85
734	3.0L	323	146	18: 8:39	-24: 0:13	186439	-0: 6	0:23	B8	9.20	.00	381	41	331	1275?H	1600	6.08
735	30.0C	330	129	18: 8:39	-24: 0:13	186439	0: 2	1:32	B8	9.20	.00	141	58	94	2087?	105	8.10
736	10.0C	794	324	18: 8:40	-34:36:20	209838	-0:13	-1:18	A0	8.50	8.18	71	14	38	364 L	80	8.40
737	30.0C	798	317	18: 8:40	-34:36:20	209838	-0:11	1:15	A0	8.50	8.18	122	59	79	2000	95	8.21
738	3.0L	412	183	18: 8:41	-26: 1:57	186441	-0:15	1: 7	A0	9.00	.00	393	19	342	651 H	965	6.63
739	10.0C	415	173	18: 8:41	-26: 1:57	186441	-0:10	-0: 5	A0	9.00	.00	93	25	37	886	140	7.79
740	30.0C	419	164	18: 8:41	-26: 1:57	186441	-0:18	3:14	A0	9.00	.00	156	79	89	3266	170	7.58
741	10.0C	907	371	18: 8:42	-37: 3:15	209840	-0:12	-0:25	A0	8.50	8.30	62	7	37	160 L	57	8.77
742	30.0C	912	363	18: 8:42	-37: 3:15	209840	-0:18	1:33	A0	8.50	8.30	107	34	78	827 L	40	9.16
743	3.0L	240	113	18: 8:43	-22: 7: 0	186442	0:17	-3:26	B	9.10	.00	355	6	325	136?	320	7.84
744	3.0L	366	168	18: 8:46	-25: 4: 3	186443	0: 2	4:14	A0*	9.20	.00	377	54	337	1386?H	1790	5.96
745	3.0L	371	172	18: 8:46	-25: 4: 3	186443	0: 5	-4: 5	A0*	9.20	.00	379	37	335	1186?H	1500	6.15
746	1.0L	767	325	18: 8:47	-34: 4:51	209841	-0: 8	-1:12	B8	7.11	.00	163	29	91	1153 H	1500	6.15
747	3.0L	766	326	18: 8:47	-34: 4:51	209841	-0: 8	-1: 3	B8	7.11	.00	428	66	329	3486 H	4000	5.08
748	3.0C	762	318	18: 8:47	-34: 4:51	209841	-0:15	-1:35	B8	7.11	.00	177	39	24	2507	1050	5.59
749	10.0C	769	316	18: 8:47	-34: 4:51	209841	-0: 7	-1:38	B8	7.11	.00	369	90	37	9913 H	1478	5.22
750	30.0C	775	306	18: 8:47	-34: 4:51	209841?	-0:26	-0: 1	B8	7.11	.00	360	229	84	23261	2170	4.80

SAGITTARIUS WEST. R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
751	1.0L	537	236	18: 8:48	-28:54:50	186444	0: 3	0:57	A0	6.38	.00	126	9	92	259 L	681	7.01
752	3.0L	536	237	18: 8:48	-28:54:50	186444	0: 1	1: 6	A0	6.38	.00	411	31	352	1250	1550	6.12
753	3.0C	532	229	18: 8:48	-28:54:50	186444	-0: 4	0:32	A0	6.38	.00	108	18	23	820 L	440	6.54
754	10.0C	539	227	18: 8:48	-28:54:50	186444	0: 2	0:25	A0	6.38	.00	230	47	38	3507 L	450	6.52
755	30.0C	544	219	18: 8:48	-28:54:50	186444	0: 2	1:43	A0	6.38	.00	273	114	88	9047 L	700	6.03
756	3.0L	569	247	18: 8:49	-29:35: 1	186445	-0:18	-3: 5	B9	8.00	.00	394	12	349	387?		
757	3.0L	566	249	18: 8:49	-29:35: 1	186445	-0: 1	-0:29	B9	8.00	.00	397	25	345	977	2000*	5.84
758	3.0C	561	241	18: 8:49	-29:35: 1	186445	-0: 2	1:18	B9	8.00	.00	65	9	23	262 L	245	7.18
759	10.0C	569	238	18: 8:49	-29:35: 1	186445	0: 2	0: 0	B9	8.00	.00	131	33	36	1560	210	7.35
760	30.0C	572	234	18: 8:49	-29:35: 1	186445/	0:20	1: 7	B9	8.00	.00	173	93	89	3832	200	7.40
761	10.0C	474	204	18: 8:50	-27:24:46	NO	0:12	-0:22				82	12	42	352?	76	8.46
762	30.0C	480	192	18: 8:50	-27:24:46	NO	-0:12	0:22				138	39	96	1243?	55	8.81
763	10.0C	318	134	18: 8:54	-23:50:23	NO*	-0: 9	-0:32				60	4	39	83	43	9.08
764	30.0C	322	129	18: 8:54	-23:50:23	NO*	0: 9	0:32				133	22	94	642	32	9.40
765	3.0L	425	196	18: 8:57	-26:24:34	186449	0: 2	2: 2	A0	8.50	.00	364	4	337	97 L	240	8.15
766	10.0C	430	184	18: 8:57	-26:24:34	186449	-0: 5	0:34	A0	8.50	.00	65	5	37	125 L	53	8.85
767	30.0C	434	177	18: 8:57	-26:24:34	186449	0: 1	1:23	A0	8.50	.00	117	29	86	762 L	36	9.27
768	3.0L	325	151	18: 9: 0	-24: 6:49	186451/	-0: 7	1:18	B8	9.30	.00	356	4	332	85?L		
769	3.0L	325	157	18: 9: 0	-24: 6:49	186451	0:19	-0:54	B8	9.30	.00	359	9	328	227?	665*	7.04
770	3.0L	560	250	18: 9:11	-29:29:18	186455	-0: 6	0:22	B8	9.00	.00	396	53	345	1947 H	2450	5.62
771	10.0C	563	240	18: 9:11	-29:29:18	186455	-0: 2	0:48	B8	9.00	.00	63	8	36	184	60	8.71
772	30.0C	572	234	18: 9:11	-29:29:18	186455/	-0: 2	-4:36	B8	9.00	.00	173	73	89	3000	150	7.71
773	3.0L	553	252	18: 9:15	-29:22: 0	186457	0:16	0:22	A3	8.80	.00	371	5	344	114?	280	7.98
774	10.0C	878	366	18: 9:18	-36:29:34	209851	-0:10	0: 2	B9	8.26	8.03	82	22	40	646 L	110	8.05
775	30.0C	883	359	18: 9:18	-36:29:34	209851	-0:12	0:22	B9	8.26	8.03	129	65	79	2300?L	115	8.00
776	10.0C	496	215	18: 9:19	-27:55:43	186458	-0: 7	-1:29	A2	8.70	.00	62	4	38	91 L	45	9.03
777	30.0C	500	209	18: 9:19	-27:55:43	186458	0: 2	-0:54	A2	8.70	.00	115	24	86	620	30	9.47
778	3.0L	636	280	18: 9:20	-31:13:10	209853	-0: 9	-0: 9	A2	9.35	9.42	371	14	341	341?H	840*	6.78
779	3.0L	638	283	18: 9:20	-31:13:10	209853	0: 3	-3:52	A2	9.35	9.42	362	4	339	89?		
780	3.0L	440	204	18: 9:24	-26:44:50	186460	-0:13	1:11	B	9.20	.00	381	33	345	881?	1800*	5.95
781	3.0L	441	207	18: 9:24	-26:44:50	186460	0: 0	-1:20	B	9.20	.00	370	14	343	317?		
782	30.0C	448	184	18: 9:24	-26:44:50	186460?	-0:23	2:36	B	9.20	.00	109	6	85	134?L		
783	30.0C	446	190	18: 9:24	-26:44:50	186460	0:10	1: 6	B	9.20	.00	111	20	84	469?L	40*	9.16
784	3.0L	862	374	18: 9:25	-36:13:41	NO*	-0: 2	-0:31				319	4	295	87	200	8.35
785	10.0C	865	364	18: 9:25	-36:13:41	NO*	0: 0	-1: 4				58	4	36	84	44	9.05
786	30.0C	869	357	18: 9:25	-36:13:41	NO*	0: 2	1:34				100	17	73	405	25	9.67
787	3.0L	455	211	18: 9:30	-27: 9:17	186462	-0:15	3:47	B9	9.20	.00	383	21	343	649?H	1600*	6.08
788	3.0L	456	217	18: 9:30	-27: 9:17	186462	0: 9	0:22	B9	9.20	.00	376	16	343	386?		
789	10.0C	460	203	18: 9:30	-27: 9:17	186462	-0: 7	0:59	B9	9.20	.00	102	20	42	762?	120	7.96
790	3.0L	271	137	18: 9:31	-22:53:46	186463	0:10	-2:43	A0	9.70	.00	346	4	321	90?	220	8.25
791	3.0L	477	228	18: 9:33	-27:37:14	186464	0:19	-2:23	A2	9.00	.00	371	14	334	364	800	6.84
792	3.0L	536	243	18: 9:34	-28:58:34	186465	-0:19	2:34	A0	9.20	.00	373	17	349	333?H	630	7.10
793	3.0L	621	279	18: 9:35	-30:57:41	209858	0: 2	2:24	A2	8.65	8.73	367	6	337	153?	340	7.77
794	3.0L	651	292	18: 9:36	-31:35:27	NO	0:10	-0:56				369	7	334	212	425	7.53
795	10.0C	653	280	18: 9:36	-31:35:27	NO	0: 2	0:31				75	12	37	348	77	8.44
796	30.0C	659	270	18: 9:36	-31:35:27	NO	-0:13	0:26				116	35	82	949	44	9.05
797	3.0L	283	142	18: 9:38	-23:12: 8							364	21	331	700	975	6.62
798	3.0L	340	169	18: 9:43	-24:29:57	186469	0: 0	-1:11	A5	9.00	.00	355	4	329	88?	220	8.25
799	1.0L	505	231	18: 9:44	-28:17:35	186471?	-0:20	3:54	A0*	9.20	.00	142	21	89	671 H	1392	6.23
800	3.0L	505	232	18: 9:44	-28:17:35	186471?	-0:24	2:54	A0*	9.20	.00	417	83	339	3861 H	4750	4.89

UNCLASSIFIED

SAGITTARIUS WEST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
801	3.0C	500	225	18: 9:44	-28:17:35	186471	-0:19	4:12	A0*	9.20	.00	117	22	22	1036 H	460	6.49
802	10.0C	508	222	18: 9:44	-28:17:35	186471	-0:16	2:56	A0*	9.20	.00	251	55	39	4153 H	540	6.32
803	30.0C	513	212	18: 9:44	-28:17:35	186471?	-0:33	4:24	A0*	9.20	.00	292	124	91	10371 H	890	5.77
804	1.0L	505	231	18: 9:49	-28:19:50	186472?	-0:25	6: 9	A0	9.20	.00	142	21	89	671 H	1392	6.23
805	3.0L	505	232	18: 9:49	-28:19:50	186472?	-0:28	5: 9	A0	9.20	.00	417	83	339	3861 H	4750	4.89
806	30.0C	513	212	18: 9:49	-28:19:50	186472?	-0:38	6:38	A0	9.20	.00	292	124	91	10371 H	890	5.77
807	30.0C	579	245	18: 9:52	-29:48:16	NO						113	8	87	185?	17	10.09
808	3.0L	443	212	18: 9:53	-26:54:11	186473	-0:14	2:43	A0	8.80	.00	388	44	341	1385?H	1750	5.98
809	30.0C	452	193	18: 9:53	-26:54:11	186473	-0:15	2: 5	A0	8.80	.00	113	31	85	708?L	35	9.30
810	3.0L	248	132	18: 9:54	-22:28: 0	186474	0:13	-0:10	A0	9.10	.00	344	11	313	282?	510	7.33
811	30.0C	256	108	18: 9:54	-22:28: 0	186474	-0:10	3:32	A0	9.10	.00	150	81	104	2392?	130	7.87
812	3.0L	680	302	18: 9:56	-32:24: 8	209862?	-0:21	8: 3	B8	9.32	9.14	366	9	335	229	1130*	6.46
813	3.0L	686	307	18: 9:56	-32:24: 8	209862	-0: 6	-1:16	B8	9.32	9.14	367	5	333	142		
814	3.0L	680	310	18: 9:56	-32:24: 8	209862	0:18	4:51	B8	9.32	9.14	357	6	329	152?		
815	10.0C	684	293	18: 9:56	-32:24: 8	209862?	-0:14	6:59	B8	9.32	9.14	69	8	43	184 L		
816	10.0C	689	297	18: 9:56	-32:24: 8	209862	-0: 2	-0:42	B8	9.32	9.14	100	26	42	878	185*	7.48
817	30.0C	690	284	18: 9:56	-32:24: 8	209862?	-0:23	6:27	B8	9.32	9.14	122	16	86	449 L		
818	30.0C	694	288	18: 9:56	-32:24: 8	209862	-0:10	-0: 4	B8	9.32	9.14	144	103	89	3424	210*	7.35
819	3.0L	549	256	18:10: 8	-29:22: 0	186480	-0:13	3:42	B9	9.20	.00	370	6	343	137	320	7.84
820	10.0C	554	248	18:10: 8	-29:22: 0	186480	-0: 0	-0:40	B9	9.20	.00	68	7	36	193 L	61	8.70
821	30.0C	559	238	18:10: 8	-29:22: 0	186480	-0:11	1:32	B9	9.20	.00	111	24	81	624 L	32	9.40
822	1.0L	457	221	18:10:11	-27:13:45	186481	-0: 4	2:25	B9	8.20	.00	124	9	91	238	550	7.25
823	3.0L	456	222	18:10:11	-27:13:45	186481	-0: 6	2:36	B9	8.20	.00	419	60	340	1330	1750	5.98
824	3.0C	452	215	18:10:11	-27:13:45	186481	-0: 5	1:31	B9	8.20	.00	110	21	23	921 H	485	6.43
825	10.0C	460	212	18:10:11	-27:13:45	186481	-0: 7	0:43	B9	8.20	.00	239	49	38	3682DH	452	6.51
826	30.0C	464	205	18:10:11	-27:13:45	186481	0: 0	2:42	B9	8.20	.00	290	147	88	12000 H	1040	5.60
827	3.0L	363	190	18:10:16	-25: 9:54	186484	0:16	2:26	A2	7.70	.00	355	20	319	527?	780	6.87
828	10.0C	801	346	18:10:17	-34:55: 0	209871	-0: 7	-0:28	B8	9.22	8.91	72	7	36	188?L	77	8.44
829	30.0C	806	337	18:10:17	-34:55: 0	209871	-0:21	0:30	B8	9.22	8.91	117	50	77	1536	70	8.55
830	3.0L	225	124	18:10:20	-22: 3:15	186487	-0: 5	4:39	A0	9.20	.00	344	27	306	812 H	1810*	5.95
831	3.0L	228	128	18:10:20	-22: 3:15	186487	0: 9	-0:32	A0	9.20	.00	350	24	316	544?H		
832	1.0L	666	303	18:10:21	-31:58:54	209873	-0: 3	-0:43	B8	6.64	.00	165	23	91	937	1250	6.35
833	3.0L	665	305	18:10:21	-31:58:54	209873	-0: 3	-0:32	B8	6.64	.00	423	61	336	3116	3500	5.23
834	3.0C	660	297	18:10:21	-31:58:54	209873	0: 1	0:48	B8	6.64	.00	171	32	22	2034	880	5.78
835	10.0C	668	295	18:10:21	-31:58:54	209873	0: 6	-0:26	B8	6.64	.00	344	75	39	7490	1120	5.52
836	30.0C	673	287	18:10:21	-31:58:54	209873	-0: 2	0:11	B8	6.64	.00	342	161	80	17728	1530	5.18
837	3.0L	485	238	18:10:22	-27:54:29	186488	0: 6	0:59	A0	9.30	.00	364	10	331	279?H	520	7.31
838	3.0L	258	137	18:10:23	-22:43:54	186489	-0:16	2:27	B2	8.60	.00	375	170	318	3978 H	5500	4.73
839	3.0C	254	130	18:10:23	-22:43:54	186489	-0: 8	1: 3	B2	8.60	.00	46	7	22	150 L	205	7.37
840	10.0C	261	127	18:10:23	-22:43:54	186489	-0:12	1:12	B2	8.60	.00	98	48	37	1753 L	314	6.91
841	30.0C	265	121	18:10:23	-22:43:54	186489	0: 1	2:43	B2	8.60	.00	221	120	104	7266	580	6.24
842	10.0C	926	401	18:10:25	-37:40:52	209876/	0:10	1:57	B9	9.70	9.37	77	22	38	620?	110	8.05
843	30.0C	931	394	18:10:25	-37:40:52	209876/	0: 9	3:26	B9	9.70	9.37	124	81	76	2613	125	7.91
844	3.0L	557	265	18:10:28	-29:32: 0							380	65	338	2142?	2700	5.51
845	3.0L	340	178	18:10:29	-24:36:32	186490	-0: 5	1:52	A0	8.60	.00	358	22	327	546?H		
846	3.0L	342	187	18:10:29	-24:36:32	186490?	0:32	-3:58	A0	8.60	.00	364	82	317	2531?H	3900*	5.11
847	3.0L	317	169	18:10:30	-24: 4:24							360	33	320	989?	1250	6.35
848	30.0C	305	147	18:10:34	-23:42:36	186492	0:20	4:23	A0	9.50	.00	125	44	91	1099?	50	8.91
849	3.0L	960	425	18:10:40	-38:25:37	209880	-0:16	1:30	A0	7.14	.00	296	25	258	696	800	6.84
850	3.0C	956	419	18:10:40	-38:25:37	209880	-0: 9	-1:39	A0	7.14	.00	65	29	20	900	510	6.38

SAGITTARIUS WEST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
851	10.0C	964	416	18:10:40	-38:25:37	209880	-0: 4	-1: 4	A0	7.14	.00	184	81	36	5096	740	5.97
852	30.0C	968	410	18:10:40	-38:25:37	209880	0: 1	-0: 4	A0	7.14	.00	228	135	82	10034	800	5.89
853	3.0L	888	396	18:10:41	-36:53:13	209883	-0:14	0:26	B5	8.36	8.00	339	30	283	1111	1220	6.38
854	3.0C	883	389	18:10:41	-36:53:13	209883	-0:16	-0:37	B5	8.36	8.00	59	18	22	501 L	335	6.84
855	10.0C	891	386	18:10:41	-36:53:13	209883	-0:11	-0: 5	B5	8.36	8.00	154	80	35	4518D	565	6.27
856	30.0C	895	381	18:10:41	-36:53:13	209883	0: 0	0:29	B5	8.36	8.00	227	165	82	10420	830	5.85
857	1.0L	769	347	18:10:43	-34:18:15	209885	-0:12	-1: 0	B8	7.85	7.37	116	9	88	219 L	545	7.26
858	3.0L	768	349	18:10:43	-34:18:15	209885	-0: 7	-1:18	B8	7.85	7.37	383	37	314	1455	1650	6.05
859	3.0C	764	341	18:10:43	-34:18:15	209885	-0: 8	-2:18	B8	7.85	7.37	86	19	23	715	405	6.63
860	10.0C	772	338	18:10:43	-34:18:15	209885	-0:11	-1:24	B8	7.85	7.37	216	43	41	3171	390	6.67
861	30.0C	777	329	18:10:43	-34:18:15	209885?	-0:24	-0:13	B8	7.85	7.37	236	74	84	6576	430	6.56
882	10.0C	926	401	18:10:44	-37:38:10	209886/	-0: 9	-0:45	A0	7.70	7.42	77	22	38	620?L	110	8.05
863	30.0C	931	394	18:10:44	-37:38:10	209886/	-0: 9	0:44	A0	7.70	7.42	124	81	76	2613 L	125	7.91
864	3.0L	595	280	18:10:45	-30:26: 9	209887	-0:13	1:21	A2	9.22	9.08	367	5	337	116?		
865	3.0L	595	287	18:10:45	-30:26: 9	209887	0:20	-1:22	A2	9.22	9.08	368	14	333	433?H	975*	6.62
866	3.0L	720	330	18:10:46	-33:14:56	209888	-0: 6	-0:18	B9	8.21	7.82	364	16	329	400	675	7.02
867	3.0C	716	322	18:10:46	-33:14:56	209888	-0:12	-0:51	B9	8.21	7.82	60	7	24	200 L	220	7.30
868	10.0C	724	320	18:10:46	-33:14:56	209888	-0: 6	-2: 3	B9	8.21	7.82	134	19	35	1112D	255	7.13
869	30.0C	730	309	18:10:46	-33:14:56	209888?	-0:27	-1:40	B9	8.21	7.82	167	24	85	1106 L		
870	30.0C	722	315	18:10:46	-33:14:56	209888	0:18	3:46	B9	8.21	7.82	347	157?	79	15900?H	1380*	5.29
871	3.0L	332	177	18:10:50	-24:25:32	186499	-0:15	0:38	A0	9.30	.00	345	5	310	147?		
872	3.0L	330	180	18:10:50	-24:25:32	186499	0: 4	1:39	A0	9.30	.00	358	10	322	293?H	820*	6.81
873	3.0L	355	198	18:10:58	-25: 2:58	186503?	0:27	1:45	B9	9.20	.00	362	4	339?	86?L	220	8.25
874	1.0L	466	235	18:11: 1	-27:31: 4	186505	-0: 7	2:11	B9	7.50	.00	142	17	88	597 H	890	6.72
875	3.0L	466	236	18:11: 1	-27:31: 4	186505	-0:11	1:12	B9	7.50	.00	405	44	342	1685 H	2100	5.78
876	3.0C	461	229	18:11: 1	-27:31: 4	186505	-0: 3	0:51	B9	7.50	.00	143	23	23	1267 H	590	6.22
877	10.0C	469	226	18:11: 1	-27:31: 4	186505	-0: 3	1:14	B9	7.50	.00	286	51	41	4605 H	605	6.19
878	30.0C	474	217	18:11: 1	-27:31: 4	186505	-0:10	1:46	B9	7.50	.00	312	122	91	11671	1040	5.60
879	1.0L	371	195	18:11: 2	-25:19:33	186506	-0:10	1: 5	B5	8.50	.00	112	8	85	186 L	1006	6.59
880	3.0L	370	197	18:11: 2	-25:19:33	186506	-0:12	1:16	B5	8.50	.00	402	63	333	1985 H	2500	5.59
881	3.0C	366	189	18:11: 2	-25:19:33	186506	-0:11	0: 8	B5	8.50	.00	81	19	22	706	410	6.62
882	10.0C	373	187	18:11: 2	-25:19:33	186506	-0: 6	1:15	B5	8.50	.00	196	47	37	3158	400	6.64
883	30.0C	378	179	18:11: 2	-25:19:33	186506	-0: 7	1:20	B5	8.50	.00	273	112	91	9292	750	5.96
884	3.0L	689	321	18:11: 7	-32:33:22	209895	-0:12	-1:29	A0	8.94	8.65	353	6	327	136?		
885	3.0L	689	325	18:11: 7	-32:33:22	209895	0:11	-3:19	A0	8.94	8.65	352	7	323	171?	670*	7.03
886	3.0L	410	223	18:11:21	-26:12:53	186510	0:17	-4:23	A5	8.60	.00	367	95	329	2073?H	2700	5.51
887	10.0C	556	264	18:11:22	-29:33:37	186511/	0: 2	1:50	A0	9.30	.00	72	9	38	250	67	8.59
888	30.0C	561	256	18:11:22	-29:33:37	186511/	0: 0	1:58	A0	9.30	.00	124	44	84	1203	53	8.85
889	1.0L	523	261	18:11:23	-28:51:16	186512	-0: 3	2:13	B8	8.00	.00	130	9	91	267 L	570	7.21
890	3.0L	522	263	18:11:23	-28:51:16	186512	0: 1	1:57	B8	8.00	.00	411	33	340	1458	1750	5.98
891	3.0C	518	255	18:11:23	-28:51:16	186512	-0: 4	1:21	B8	8.00	.00	97	16	26	582 L	350	6.79
892	10.0C	526	252	18:11:23	-28:51:16	186512	-0: 1	0: 7	B8	8.00	.00	196	65	51	2964	395	6.66
893	30.0C	529	248	18:11:23	-28:51:16	186512	0:18	1:14	B8	8.00	.00	252	106	100	6694	495	6.41
894	10.0C	556	264	18:11:24	-29:33: 5	186513/	-0: 0	1:19	A0	9.10	.00	72	9	38	250	67	8.59
895	30.0C	561	256	18:11:24	-29:33: 5	186513/	-0: 2	1:26	A0	9.10	.00	124	44	84	1203	53	8.85
896	1.0L	714	334	18:11:25	-33: 9:23	209900	-0: 2	-0: 8	B2	8.30	7.89	169	28	89	1219 H	1992	5.84
897	3.0L	713	335	18:11:25	-33: 9:23	209900	-0: 2	0: 3	B2	8.30	7.89	424	63	324	3356 H	4596	4.93
898	.5C	717	328	18:11:25	-33: 9:23	209900	0: 3	-0:21	B2	8.30	7.89	62	8	26	231	1390	5.28
899	3.0C	709	327	18:11:25	-33: 9:23	209900	-0: 9	-0:31	B2	8.30	7.89	182	32	23	2076 H	910	5.75
900	10.0C	717	324	18:11:25	-33: 9:23	209900	-0: 9	-1:15	B2	8.30	7.89	345	94	39	8548 H	1320	5.34

UNCLASSIFIED

SAGITTARIUS WEST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
901	30.0C	719	321	18:11:25	-33: 9:23	209900	0:18	0:38	B2	8.30	7.89	362	135	79	16440 H	1380	5.29
902	3.0L	502	254	18:11:27	-28:22:37	186514	-0:11	0:50	B8	9.00	.00	377	29	343	657 H	1020	6.57
903	3.0C	497	248	18:11:27	-28:22:37	186514	-0: 1	1:41	B8	9.00	.00	57	7	24	178	210	7.35
904	10.0C	505	245	18:11:27	-28:22:37	186514	-0: 3	0:54	B8	9.00	.00	123	20	45	929	130	7.87
905	30.0C	509	238	18:11:27	-28:22:37	186514	0: 3	1:44	B8	9.00	.00	171	56	95	2710	130	7.87
906	3.0L	284	164	18:11:29	-23:24:18	186516	-0:16	0: 1	B8	9.10	.00	341	7	314	169?L		
907	3.0L	281	168	18:11:29	-23:24:18	186516	0:10	1:46	B8	9.10	.00	344	11	310	308?	870*	6.75
908	3.0L	214	134	18:11:35	-21:50: 8	NO*	-0:10	-1:13				345	6	313	173	350	7.74
909	10.0C	216	125	18:11:35	-21:50: 8	NO*	0: 3	-0:35				59	6	36	133	56	8.79
910	30.0C	220	118	18:11:35	-21:50: 8	NO*	0: 6	1:47				138	21	96	624	29	9.51
911	3.0L	269	161	18:11:36	-23: 7:58	186522/	-0: 4	1:57	A0	9.50	.00	339	11	306	293?H	500	7.35
912	1.0L	260	157	18:11:37	-22:49:49	NO*	0: 3	-2:51				112	5	81	125	445	7.48
913	3.0L	633	308	18:11:38	-31:24: 1	209904	0: 4	0:45	B8	8.69	8.26	366	12	335	284 L	540	7.27
914	3.0C	629	300	18:11:38	-31:24: 1	209904	-0: 1	0:28	B8	8.69	8.26	53	6	22	147 L	200	7.40
915	10.0C	637	297	18:11:38	-31:24: 1	209904	-0: 1	0:36	B8	8.69	8.26	101	22	36	838 L	130	7.87
916	30.0C	641	291	18:11:38	-31:24: 1	209904	0:10	1: 1	B8	8.69	8.26	144	53	84	2145 L	110	8.05
917	3.0L	255	155	18:11:39	-22:49:49	NO*	0: 0	4:21				347	16	318	400	640	7.08
918	3.0L	649	319	18:11:40	-31:45:30	209906?	0:30	-1:31	A0	9.66	9.58	379	23	332	696 H	990	6.60
919	10.0C	652	309	18:11:40	-31:45:30	209906?	0:31	-2: 7	A0	9.66	9.58	91	18	36	664 H	110	8.05
920	30.0C	656	302	18:11:40	-31:45:30	209906?	0:31	-0:47	A0	9.66	9.58	136	55	78	2129 H	105	8.10
921	3.0L	508	258	18:11:42	-28:28:48	186524	-0:17	-1:50	B9	9.20	.00	376	15	331	534 H	770	6.88
922	10.0C	511	248	18:11:42	-28:28:48	186524	-0:14	-1:19	B9	9.20	.00	80	11	53	208 L	61	8.70
923	30.0C	516	239	18:11:42	-28:28:48	186524?	-0:22	-0:46	B9	9.20	.00	131	38	93	1132	50	8.91
924	3.0L	269	161	18:11:45	-23: 4: 0	186526/	-0:13	-2: 1	A5	9.00	.00	339	11	306	293?H	500	7.35
925	10.0C	949	424	18:11:55	-38:13:32	NO*	0: 0	-0:44				64	15	33	397	86	8.32
926	30.0C	953	417	18:11:55	-38:13:32	NO*	0: 0	0:43				109	64	71	1854	88	8.30
927	3.0L	308	183	18:12: 1	-24: 0:51	186534	-0:10	1:17	B8	8.38	.00	356	53	311	1728 H	2700*	5.51
928	3.0L	306	187	18:12: 1	-24: 0:51	186534/	0:13	0:43	B8	8.38	.00	345	16	307	482?		
929	10.0C	311	172	18:12: 1	-24: 0:51	186534	-0:10	0:32	B8	8.38	.00	71	18	36	494 L	95	8.21
930	30.0C	317	162	18:12: 1	-24: 0:51	186534	-0:20	1:27	B8	8.38	.00	135	64	84	2258 L	115	8.00
931	3.0L	239	151	18:12: 4	-22:27:43	186539	-0:12	1: 4	B5	9.00	.00	382	116	304	4377 H	6600*	4.54
932	3.0L	236	155	18:12: 4	-22:27:43	186539	0: 7	2: 6	B5	9.00	.00	350	28	305	849?		
933	3.0C	234	143	18:12: 4	-22:27:43	186539	-0:13	1:24	B5	9.00	.00	59	23	22	625 L	390	6.67
934	10.0C	242	141	18:12: 4	-22:27:43	186539	-0:13	0:16	B5	9.00	.00	135	70	37	3454D	550	6.30
935	30.0C	246	134	18:12: 4	-22:27:43	186539	-0: 5	2:13	B5	9.00	.00	277	266	94	17861 H	1790	5.01
936	3.0L	370	213	18:12: 6	-25:26:12							359	10	325	280	510	7.33
937	1.0L	777	366	18:12: 7	-34:36:40	209916	-0: 7	-0:36	B8	6.85	.00	130	14	89	429	700	6.98
938	3.0L	777	367	18:12: 7	-34:36:40	209916	-0: 9	-1:35	B8	6.85	.00	396	38	312	1843	2000	5.84
939	3.0C	772	360	18:12: 7	-34:36:40	209916	-0: 8	-1:27	B8	6.85	.00	130	29	21	1529	710	6.02
940	10.0C	780	357	18:12: 7	-34:36:40	209916	-0: 7	-2: 8	B8	6.85	.00	317	67	37	6357	910	5.75
941	30.0C	785	348	18:12: 7	-34:36:40	209916	-0:19	0:12	B8	6.85	.00	317	121	81	13442	1110	5.53
942	3.0L	307	191	18:12:17	-23:58:37	186545	0:11	-3:59	A0	9.20	.00	344	9	313	194?		
943	3.0L	306	187	18:12:18	-23:58:37	186545/	-0: 3	-1:32	A0	9.20	.00	345	16	307	482?H	1050*	6.54
944	3.0L	250	166	18:12:21	-22:45:22	186547	0:13	-0:46	B9	8.80	.00	337	16	306	375?	600	7.15
945	1.0L	708	342	18:12:23	-33: 6:29	209919	-0: 3	0:22	B9	6.87	.00	113	6	87	144 L	455	7.45
946	3.0L	708	343	18:12:23	-33: 6:29	209919	-0: 5	-0:37	B9	6.87	.00	395	34	323	1361	1550	6.12
947	3.0C	703	336	18:12:23	-33: 6:29	209919	-0: 4	-0:28	B9	6.87	.00	90	17	21	682 L	395	6.66
948	10.0C	711	333	18:12:23	-33: 6:29	209919	-0: 4	-1:11	B9	6.87	.00	221	58	37	3587	445	6.53
949	30.0C	714	329	18:12:23	-33: 6:29	209919	0:13	-0:15	B9	6.87	.00	245	64?	79	4752?L	265	7.09
950	1.0L	867	406	18:12:25	-36:35:27	209922	-0:11	0:37	B3	7.00	.00	195	62	83	3180 H	4600	4.93

SAGITTARIUS WEST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
951	3.0L	866	407	18:12:25	-36:35:27	209922	-0:11	0:48	B3	7.00	.00	434	113	283	8832 H	13000	3.80
952	.5C	870	400	18:12:25	-36:35:27	209922	-0: 8	0:27	B3	7.00	.00	78	24	25	817	2750	4.54
953	3.0C	862	399	18:12:25	-36:35:27	209922	-0:18	0:11	B3	7.00	.00	245	72	22	5683 H	2650	4.58
954	10.0C	870	397	18:12:25	-36:35:27	209922	-0:11	-0:53	B3	7.00	.00	410	158	37	18503 H	3300	4.34
955	30.0C	875	389	18:12:25	-36:35:27	209922	-0:17	1: 2	B3	7.00	.00	385	345	76	39148	3400	4.31
956	3.0L	266	170	18:12:26	-23: 8: 2	186548	-0: 9	2: 3	B5	8.70	.00	342	17	308	439?	660	7.05
957	30.0C	274	154	18:12:26	-23: 8: 2	186548	0: 1	1:39	B5	8.70	.00	117	13	92	298?L	20	9.91
958	10.0C	826	379	18:12:27	-35:39:16	209923	-0: 9	0: 7	A0	7.40	7.21	60	5	36	112 L	51	8.89
959	30.0C	831	371	18:12:27	-35:39:16	209923	-0:18	0:51	A0	7.40	7.21	99	21	73	485 L	27	9.58
960	10.0C	878	401	18:12:28	-36:46:54	209924	-0: 5	0:39	B8	8.25	7.96	76	29	35	870	140	7.79
961	30.0C	883	393	18:12:28	-36:46:54	209924	-0:13	1:28	B8	8.25	7.96	128	89	75	3332	160	7.64
962	3.0L	485	261	18:12:29	-28: 5:48	186549	-0: 7	1:19	B8	8.50	.00	393	56	340	1522 H	1900	5.89
963	3.0C	480	254	18:12:29	-28: 5:48	186549	-0: 4	1:25	B8	8.50	.00	71	10	22	330	26C	7.11
964	10.0C	488	251	18:12:29	-28: 5:48	186549	-0: 4	1:50	B8	8.50	.00	151	46	38	2223	305	6.94
965	30.0C	492	245	18:12:29	-28: 5:48	186549	0: 7	2:13	B8	8.50	.00	220	106	85	6581	310	6.92
966	3.0L	409	235	18:12:32	-26:20:40	186550	0: 3	-1:27	A5	8.50	.00	356	10	320	306?H	530	7.29
967	1.0L	531	281	18:12:45	-29:10:21	186556/	0: 2	2:57	B8	8.60	.00	112	12	87	268	1474	6.17
968	3.0L	528	283	18:12:45	-29:10:21	186556/	0: 5	4:19	B8	8.60	.00	398	105	331	3850 H	4900	4.86
969	3.0C	523	277	18:12:45	-29:10:21	186556/	0:13	3:60	B8	8.60	.00	66	19	23	574	365	6.74
970	10.0C	531	274	18:12:45	-29:10:21	186556/	0:18	3:58	B8	8.60	.00	143	51	37	2846	360	6.76
971	30.0C	537	265	18:12:45	-29:10:21	186556/	0: 4	3:47	B8	8.60	.00	214	117	82	7950	560	6.28
972	30.0C	336	186	18:12:49	-24:31:48	NO						115	39	83	994?	45	9.03
973	3.0L	369	218	18:12:52	-25:28:38	186559	-0:19	1:35	B8	9.30	.00	361	16	325	450	1670*	6.03
974	3.0L	372	221	18:12:52	-25:28:38	186559	-0:10	-3:15	B8	9.30	.00	346	5	325	110		
975	3.0L	371	225	18:12:52	-25:28:38	186559/	0: 8	-3:23	B8	9.30	.00	364	15	325	450		
976	10.0C	374	215	18:12:52	-25:28:38	186559:	0:13	-4:32	B8	9.30	.00	81	18	37	579	100	8.16
977	30.0C	378	199	18:12:52	-25:28:38	186559?	-0:26	1:22	B8	9.30	.00	114	17	83	436?L		
978	30.0C	379	207	18:12:52	-25:28:38	186559:	0:13	-3:17	B8	9.30	.00	141	100	82	3424	195*	7.43
979	1.0L	620	315	18:12:55	-31:10:36	209933	-0: 5	0:27	B5	7.60	.00	122	8	89	209 L	549	7.25
980	3.0L	619	316	18:12:55	-31:10:36	209933	-0: 6	0:39	B5	7.60	.00	396	28	332	1053 L	1847	5.92
981	3.0C	614	309	18:12:55	-31:10:36	209933	-0: 4	0:47	B5	7.60	.00	100	18	21	737 L	415	6.60
982	10.0C	622	307	18:12:55	-31:10:36	209933	0: 1	-0:24	B5	7.60	.00	216	49	38	3182 L	400	6.64
983	30.0C	625	302	18:12:55	-31:10:36	209933	0:19	0:44	B5	7.60	.00	249	125	78	9542 L	710	6.02
984	3.0L	975	460	18:12:56	-38:56:17	209934	0:15	-0:30	B5	8.96	8.67	273	8	244	212 L	330	7.80
985	10.0C	979	447	18:12:56	-38:56:17	209934	0: 4	-1:13	B5	8.96	8.67	62	18	35	421 L	87	8.31
986	30.0C	984	439	18:12:56	-38:56:17	209934	-0: 5	-0:28	B5	8.96	8.67	109	53	72	1408 L	63	8.66
987	3.0L	964	454	18:12:57	-38:41: 0	209935	0: 7	-2: 3	A2	8.82	8.74	293	15	248	503?H	575	7.20
988	3.0L	378	228	18:12:59	-25:43:28	186561	0: 4	1:56	B9	9.40	.00	356	53	323	1037?H	1400	6.23
989	30.0C	388	205	18:12:59	-25:43:28	186561	-0:20	1:52	B9	9.40	.00	112	13	82	321?L		
990	30.0C	393	209	18:12:59	-25:43:28	186561?	-0: 9	-5:44	B9	9.40	.00	114	15	83	372?L		
991	30.0C	387	214	18:12:59	-25:43:28	186561/	0:21	-1:37	B9	9.40	.00	120	54	94	926?	87*	8.31
992	30.0C	288	167	18:13: 1	-23:28:58	NO						120	23	90	551?	28	9.54
993	1.0L	531	281	18:13: 3	-29: 7:41	186562/	-0:16	-0:43	B8	9.00	.00	112	12	87	268	1474	6.17
994	3.0L	528	283	18:13: 3	-29: 7:41	186562/	-0:12	1:39	B8	9.00	.00	398	105	331	3850 H	4900	4.86
995	3.0C	523	277	18:13: 3	-29: 7:41	186562/	-0: 5	1:19	B8	9.00	.00	66	19	23	574	365	6.74
996	10.0C	531	274	18:13: 3	-29: 7:41	186562/	0: 1	1:18	B8	9.00	.00	143	51	37	2846	360	6.76
997	30.0C	537	265	18:13: 3	-29: 7:41	186562/	-0:14	1: 7	B8	9.00	.00	214	117	82	7950	560	6.28
998	3.0L	296	194	18:13: 5	-23:51: 5							353	63	307	1647?	1950	5.87
999	1.0L	573	300	18:13: 6	-30: 8:33	209938	-0: 2	2: 2	B3	8.87	8.54	118	6	90	144 L	450	7.47
1000	3.0L	573	302	18:13: 6	-30: 8:33	209938	0: 0	0:37	B3	8.87	8.54	392	23	332	866 L	1130	6.46

UNCLASSIFIED

SAGITTARIUS WEST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
1001	3.0C	568	294	18:13: 6	-30: 8:33	209938	-0: 3	1:12	B3	8.87	8.54	79	11	25	389 L	275	7.05
1002	10.0C	575	291	18:13: 6	-30: 8:33	209938	0: 1	0: 0	B3	8.87	8.54	166	31	43	1862 L	235	7.22
1003	30.0C	579	286	18:13: 6	-30: 8:33	209938	0:14	1:35	B3	8.87	8.54	208	87	88	4500 L	255	7.13
1004	30.0C	393	209	18:13: 9	-25:52:51	186564/	-0:21	3:40	A0	9.20	.00	114	15	83	372?L		
1005	30.0C	387	214	18:13: 9	-25:52:51	186564?	0:10	7:47	A0	9.20	.00	120	54	94	926?	65*	8.63
1006	3.0L	371	225	18:13:12	-25:34: 0	186565/	-0:12	1:59	B8	8.80	.00	364	15	325	450	705	6.98
1007	10.0C	374	215	18:13:12	-25:34: 0	186565/	-0: 7	0:50	B8	8.80	.00	81	18	37	579 L	100	8.16
1008	30.0C	379	207	18:13:12	-25:34: 0	186565/	-0: 7	2: 5	B8	8.80	.00	141	100	82	3424	175	7.55
1009	3.0L	451	256	18:13:14	-27:25:53	186566	-0:15	4: 1	B9	8.30	.00	355	4	329	95	235	8.17
1010	3.0L	445	258	18:13:17	-27:14:18	186567	0: 6	-1:23	B8	9.20	.00	353	18	319	498?H	740	6.92
1011	30.0C	451	238	18:13:17	-27:14:18	186567	0: 0	2:26	B8	9.20	.00	105	4	80	91?L	12	10.47
1012	1.0L	585	307	18:13:18	-30:25:22	209941	0: 3	-0:51	B8	7.69	7.28	107	0	89	0	309	7.88
1013	3.0L	583	308	18:13:18	-30:25:22	209941	-0: 1	1:48	B8	7.69	7.28	391	27	331	825	1898	5.89
1014	3.0C	579	300	18:13:18	-30:25:22	209941	-0: 5	2:23	B8	7.69	7.28	69	11	24	335 L	270	7.07
1015	10.0C	587	298	18:13:18	-30:25:22	209941	0: 5	0:45	B8	7.69	7.28	160	31	39	1720 L	220	7.30
1016	30.0C	592	289	18:13:18	-30:25:22	209941	-0: 8	1:46	B8	7.69	7.28	198	71	89	4284 L	240	7.20
1017	3.0L	343	219	18:13:21	-25: 0:40	186571	0: 8	3:36	B8	9.20	.00	348	25	295	859?H	1050	6.54
1018	1.0L	559	301	18:13:27	-29:46:31	186572:	0:10	-3:57	A2	8.80	.00	134	10	90	322 H	610	7.13
1019	3.0L	558	302	18:13:27	-29:46:31	186572:	0: 9	-3:44	A2	8.80	.00	395	25	332	827 H	1100	6.49
1020	3.0C	554	295	18:13:27	-29:46:31	186572:	0: 9	-4:48	A2	8.80	.00	105	20	23	830 H	450	6.52
1021	10.0C	558	289	18:13:27	-29:46:31	186572	-0: 0	0:31	A2	8.80	.00	98	25	35	1040D	150	7.71
1022	30.0C	564	277	18:13:27	-29:46:31	186572?	-0:26	1:13	A2	8.80	.00	134	14	81	464?L		
1023	30.0C	565	287	18:13:27	-29:46:31	186572:	0:21	-3:57	A2	8.80	.00	279	172	82	12795 H	1100*	5.54
1024	1.0L	559	301	18:13:36	-29:52:38	186576/	0: 2	2:10	B8	9.00	.00	134	10	90	322 H	610	7.13
1025	3.0L	558	302	18:13:36	-29:52:38	186576/	0: 0	2:23	B8	9.00	.00	395	25	332	827 H	1100	6.49
1026	3.0C	554	295	18:13:36	-29:52:38	186576/	0: 1	1:20	B8	9.00	.00	105	20	23	830 H	450	6.52
1027	10.0C	562	292	18:13:36	-29:52:38	186576	-0: 1	0:35	B8	9.00	.00	223	52	35	3830DH	470	6.47
1028	30.0C	565	287	18:13:36	-29:52:38	186576/	0:12	2:10	B8	9.00	.00	279	172	82	12795 H	1100	5.54
1029	10.0C	938	439	18:13:45	-38: 8:49	209948	-0: 5	-0:15	B9	9.24	8.83	58	10	33	225 L	69	8.56
1030	30.0C	941	434	18:13:45	-38: 8:49	209948	0: 8	1:26	B9	9.24	8.83	101	41	68	1135 L	53	8.85
1031	3.0L	257	188	18:13:46	-22:59:48	186579	0:14	-4:10	B8	9.40	.00	323	9	299	187?	370	7.68
1032	3.0L	353	224	18:13:48	-25:10:30	186581	-0:17	-0: 1	A0	9.20	.00	371	7	318	214	410	7.57
1033	1.0L	200	166	18:13:52	-21:47:54	NO?	0:36	-1:49				109	10	76	269?	600	7.15
1034	3.0L	204	156	18:13:52	-21:47:54	NO?	-0:30	-1:34				328	36	293	887?	1100	6.49
1035	30.0C	207	140	18:13:52	-21:47:54	NO	-0: 6	3:23				109	10	84	222?	19	9.97
1036	1.0L	695	355	18:13:59	-32:57:28	209952	-0: 7	-0: 0	B8	8.32	7.90	117	7	88	172	475	7.41
1037	3.0L	694	356	18:13:59	-32:57:28	209952	-0: 7	0:13	B8	8.32	7.90	392	31	314	1360 H	1500	6.15
1038	3.0C	690	349	18:13:59	-32:57:28	209952	-0: 8	-0:50	B8	8.32	7.90	80	15	21	536	335	6.84
1039	10.0C	698	346	18:13:59	-32:57:28	209952	-0: 8	-1:32	B8	8.32	7.90	180	28	38	1973	250	7.16
1040	30.0C	702	338	18:13:59	-32:57:28	209952	-0: 6	1: 2	B8	8.32	7.90	219	92	79	6867	450	6.52
1041	1.0L	621	329	18:14: 0	-31:18:58	209953	0: 5	1:20	B8	7.37	.00	118	9	89	218 L	525	7.30
1042	3.0L	620	329	18:14: 0	-31:18:58	209953	-0: 2	2: 0	B8	7.37	.00	388	31	328	1040	1350	6.27
1043	3.0C	616	322	18:14: 0	-31:18:58	209953	-0: 2	0:58	B8	7.37	.00	105	18	21	788	440	6.54
1044	10.0C	624	320	18:14: 0	-31:18:58	209953	0: 3	-0:12	B8	7.37	.00	218	65	36	3815	520	6.36
1045	30.0C	629	310	18:14: 0	-31:18:58	209953	-0:16	1:16	B8	7.37	.00	257	139	76	10788	830	5.85
1046	3.0L	260	192	18:14: 2	-23:13:54	186586	0:12	4:45	A0	9.30	.00	335	24	295	717?H	930	6.67
1047	30.0C	273	178	18:14: 2	-23:13:54	186586:	0:18	-1:52	A0	9.30	.00	289	226	88	16969 H	1600	5.13
1048	10.0C	816	393	18:14: 3	-35:34:34	209954	-0: 4	-0:24	B9	9.39	9.04	75	15	36	451	87	8.31
1049	30.0C	820	388	18:14: 3	-35:34:34	209954	0: 7	0: 8	B9	9.39	9.04	123	58	75	1862	89	8.28
1050	3.0L	298	203	18:14: 4	-23:59:43	186587	-0:16	2:25	B9	9.20	.00	333	4	305	102?		

SAGITTARIUS WEST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
1051	3.0L	298	209	18:14: 4	-23:59:43	186587	0: 8	-0:54	B9	9.20	.00	336	8	301	209?	610*	7.13
1052	3.0L	506	293	18:14:14	-28:40:16	186594	0:10	-3:50	A3	6.04	.00	350	5	322	128?	290	7.94
1053	1.0L	747	378	18:14:17	-34: 7:35	209959/	-0:11	-0:46	B5	6.10	.00	343	62	89	5494	10300	4.05
1054	3.0L	746	379	18:14:17	-34: 7:35	209959/	-0:11	-0:33	B5	6.10	.00	442	130	310	8923	13800	3.73
1055	.5C	750	372	18:14:17	-34: 7:35	209959/	-0: 3	-1:19	B5	6.10	.00	172	33	26	1980	5150	3.86
1056	3.0C	741	372	18:14:17	-34: 7:35	209959/	-0: 4	-0:53	B5	6.10	.00	362	84	26	7965	3750	4.20
1057	10.0C	749	369	18:14:17	-34: 7:35	209959/	-0: 4	-1:32	B5	6.10	.00	416	182	42	21346	4100	4.10
1058	30.0C	753	362	18:14:17	-34: 7:35	209959/	-0: 4	-0: 9	B5	6.10	.00	398	336	85	40192 L	3750	4.20
1059	10.0C	274	186	18:14:21	-23:24:26	186597	-0:12	-0:18	B8	9.40	.00	77	19	37	579	100	8.16
1060	1.0L	747	378	18:14:22	-34: 6:24	209961:	-0:16	-1:57	A0	8.70	8.26	343	62	89	5494 H	10300	4.05
1061	3.0L	746	379	18:14:22	-34: 6:24	209961:	-0:16	-1:44	A0	8.70	8.26	442	130	310	8923 H	13800	3.73
1062	.5C	750	372	18:14:22	-34: 6:24	209961:	-0: 8	-2:30	A0	8.70	8.26	172	33	26	1980 H	5150	3.86
1063	3.0C	741	372	18:14:22	-34: 6:24	209961:	-0: 9	-2: 4	A0	8.70	8.26	362	84	26	7965 H	3750	4.20
1064	10.0C	749	369	18:14:22	-34: 6:24	209961:	-0: 9	-2:44	A0	8.70	8.26	416	182	42	21346 H	4100	4.10
1065	30.0C	753	362	18:14:22	-34: 6:24	209961:	-0: 9	-1:20	A0	8.70	8.26	398	336	85	40192 H	3750	4.20
1066	1.0L	469	278	18:14:26	-27:53: 5	186598/	0: 3	0:52	B9	8.20	.00	115	7	87	162	600	7.15
1067	3.0L	469	279	18:14:26	-27:53: 5	186598/	-0: 6	0:22	B9	8.20	.00	385	32	325	1303 H	1715	6.01
1068	3.0C	464	272	18:14:26	-27:53: 5	186598/	0: 2	0: 0	B9	8.20	.00	87	18	21	699 H	400	6.64
1069	10.0C	472	269	18:14:26	-27:53: 5	186598/	-0: 0	-0:43	B9	8.20	.00	189	55	38	3227 H	415	6.60
1070	30.0C	476	260	18:14:26	-27:53: 5	186598/	-0: 5	0:59	B9	8.20	.00	238	131	83	8910 H	675	6.07
1071	3.0L	482	283	18:14:27	-28: 7:10	186599	-0: 9	-4:15	A0	8.60	.00	359	17	329	406?		
1072	3.0L	475	285	18:14:27	-28: 7:10	186599	0:10	3:34	A0	8.60	.00	356	14	327	340?	2100*	5.78
1073	3.0L	481	288	18:14:27	-28:17:10	186599	0:14	-4:50	A0	8.60	.00	357	21	326	502?		
1074	1.0L	522	297	18:14:29	-29:10	M2-36	-0: 6	5:27	PLAN		13.0	97	9	91	28	28	10.49
1075	3.0L	521	298	18:14:29	-29:10	M2-36	-0:10	4:54	PLAN		13.0	364	9	329	202	150	8.66
1076	3.0C	516	291	18:14:29	-29:10	M2-36	-0: 4	6:10	PLAN		13.0	45	9	31	69	23	9.76
1077	10.0C	524	288	18:14:29	-29:10	M2-36	-0: 4	4:56	PLAN		13.0	88	13	38	458	63	8.66
1078	30.0C	529	278	18:14:29	-29:10	M2-36	-0:17	-5:24	PLAN		13.0	134	55	82	1941	85	8.33
1079	3.0L	570	317	18:14:30	-30:12:33	209964	-0: 4	0:44	B9	9.52	9.33	371	11	325	389 H	620	7.12
1080	3.0C	565	309	18:14:30	-30:12:33	209964	-0: 2	0:52	B9	9.52	9.33	51	4	21	98	170	7.58
1081	10.0C	573	306	18:14:30	-30:12:33	209964	-0: 3	0: 8	B9	9.52	9.33	104	24	36	923 H	140	7.79
1082	30.0C	577	300	18:14:30	-30:12:33	209964	0: 3	1:53	B9	9.52	9.33	148	55	82	2850 H	135	7.83
1083	1.0L	469	278	18:14:31	-27:55: 2	186601/	-0: 3	2:49	B9	8.60	.00	115	7	87	162	600	7.15
1084	3.0L	469	279	18:14:31	-27:55: 2	186601/	-0:12	2:19	B9	8.60	.00	385	32	325	1303 H	1715	6.01
1085	3.0C	464	272	18:14:31	-27:55: 2	186601/	-0: 4	1:57	B9	8.60	.00	87	18	21	699 H	400	6.64
1086	10.0C	472	269	18:14:31	-27:55: 2	186601/	-0: 6	1:14	B9	8.60	.00	189	55	38	3227 H	415	6.60
1087	30.0C	476	260	18:14:31	-27:55: 2	186601/	-0:11	2:56	B9	8.60	.00	238	131	83	8910 H	675	6.07
1088	3.0L	277	205	18:14:34	-23:36:34	186602	0: 3	1:45	A0	8.70	.00	343	38	297	1261?H	1400	6.23
1089	30.0C	286	190	18:14:34	-23:36:34	186602/	0:16	-0:11	A0	8.70	.00	115	13	89	297?L	20	9.91
1090	1.0L	714	368	18:14:35	-33:24:56	209966	-0: 8	-0:41	B8	7.02	.00	129	11	88	352	893	6.72
1091	3.0L	712	370	18:14:35	-33:24:56	209966	-0: 0	0:16	B8	7.02	.00	403	38	316	1872	2100	5.78
1092	3.0C	708	362	18:14:35	-33:24:56	209966	-0: 7	-0:20	B8	7.02	.00	123	21	22	1076	530	6.34
1093	10.0C	716	359	18:14:35	-33:24:56	209966	-0: 7	-1: 1	B8	7.02	.00	284	58	36	4971	675	6.07
1094	30.0C	719	355	18:14:35	-33:24:56	209966	0:12	0:12	B8	7.02	.00	295	123	76	11835	930	5.72
1095	3.0L	527	304	18:14:44	-29:16:37	186607	-0: 5	2:54	B8	8.50	.00	375	18	325	584	835	6.79
1096	3.0C	523	297	18:14:44	-29:16:37	186607	0: 1	1:23	B8	8.50	.00	71	11	21	371	280	7.03
1097	10.0C	531	294	18:14:44	-29:16:37	186607	-0: 1	0:40	B8	8.50	.00	146	30	39	1571	205	7.37
1098	30.0C	535	287	18:14:44	-29:16:37	186607	-0: 1	1:56	B8	8.50	.00	202	71	94	3854	210	7.35
1099	3.0L	265	199	18:14:45	-23:17:48	186608	-0:12	-0:55	B8	8.00	.00	376	127	293	4745 H	6450	4.56
1100	3.0C	260	191	18:14:45	-23:17:48	186608	-0: 6	0:11	B8	8.00	.00	70	21	22	667	400	6.64

UNCLASSIFIED

SAGITTARIUS WEST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
1101	10.0C	268	188	18:14:45	-23:17:48	186608	-0:10	-0:28	B8	8.00	.00	167	63	37	3470DH	487	6.43
1102	30.0C	273	178	18:14:45	-23:17:48	186608?	-0:25	2: 2	B8	8.00	.00	289	226	88	16969 H	1600	5.13
1103	3.0L	847	426	18:14:52	-36:22:26	209970	-0: 8	-1: 2	B8	9.09	8.53	341	35	283	1354 H	1400	6.23
1104	3.0C	842	418	18:14:52	-36:22:26	209970	-0: 8	-0:57	B8	9.09	8.53	66	14	22	432	300	6.96
1105	10.0C	850	415	18:14:52	-36:22:26	209970	-0:10	0: 4	B8	9.09	8.53	167	48	36	2777 H	350	6.79
1106	30.0C	855	407	18:14:52	-36:22:26	209970	-0:19	0:45	B8	9.09	8.53	198	85	72	6341 H	380	6.70
1107	3.0L	348	235	18:14:55	-25: 6: 4	186614	-0:20	-4:32	A0	8.90	.00	343	28	303	900?H	1500*	6.15
1108	3.0L	343	239	18:14:55	-25: 6: 4	186614	0: 5	0: 2	A0	8.90	.00	344	9	306	276		
1109	10.0C	347	229	18:14:55	-25: 6: 4	186614	0:10	-1: 5	A0	8.90	.00	60	5	34	115 L	53	8.85
1110	30.0C	358	216	18:14:55	-25: 6: 4	186614?	-0:29	-5:54	A0	8.90	.00	101	9	75	210?L		
1111	30.0C	352	218	18:14:55	-25: 6: 4	186614	-0: 7	0:16	A0	8.90	.00	108	28	74	756 L	53*	8.85
1112	3.0L	547	313	18:14:56	-29:43:57	186615	-0: 4	1: 2	B9	8.70	.00	366	7	323	222	420	7.54
1113	10.0C	550	303	18:14:56	-29:43:57	186615	-0: 2	1:37	B9	8.70	.00	100	22	36	794	125	7.91
1114	30.0C	555	294	18:14:56	-29:43:57	186615	-0: 9	2: 9	B9	8.70	.00	146	58	78	2485	120	7.96
1115	3.0L	448	277	18:14:59	-27:27:54	186616	-0: 8	0:47	B9	9.40	.00	364	23	321	672 H	1480*	6.17
1116	3.0L	447	282	18:14:59	-27:27:54	186616	0:20	-0:13	B9	9.40	.00	349	12	319	308?H		
1117	10.0C	450	267	18:14:59	-27:27:54	186616	-0: 5	1:12	B9	9.40	.00	62	3	36	70 L	38	9.21
1118	30.0C	454	260	18:14:59	-27:27:54	186616	-0: 1	1:54	B9	9.40	.00	104	14	80	309 L	22	9.81
1119	3.0L	731	378	18:15: 0	-33:47:32	209973?	-0:28	-2:34	B9	9.01	8.61	333	6	305	151	310	7.87
1120	10.0C	731	370	18:15: 0	-33:47:32	209973	-0: 3	-0:55	B9	9.01	8.61	77	15	36	454	88	8.30
1121	30.0C	737	360	18:15: 0	-33:47:32	209973?	-0:25	-0:33	B9	9.01	8.61	120	43	80	1280	57	8.77
1122	3.0L	279	210	18:15: 3	-23:40:23	186617	-0: 6	1: 5	B9	9.10	.00	343	22	298	668?H	870	6.75
1123	30.0C	286	190	18:15: 3	-23:40:23	186617/	-0:14	3:37	B9	9.10	.00	115	13	89	297?L	20	9.91
1124	3.0L	389	258	18:15: 4	-26: 8:38	NO	0: 1	0:49				350	8	314	246	440	7.49
1125	10.0C	393	247	18:15: 4	-26: 8:38	NO	-0: 1	-1: 1				65	6	36	149	58	8.75
1126	30.0C	397	239	18:15: 4	-26: 8:38	NO	-0: 1	0:13				115	31	79	852	40	9.16
1127	1.0L	770	397	18:15:10	-34:42:23	209978	-0: 6	-1:24	B8	6.86	.00	146	24	86	852	1180	6.41
1128	3.0L	769	398	18:15:10	-34:42:23	209978	-0: 6	-1:11	B8	6.86	.00	409	46	304	2672	2600	5.55
1129	3.0C	764	390	18:15:10	-34:42:23	209978	-0:10	-0:38	B8	6.86	.00	162	32	23	1850	820	5.86
1130	10.0C	772	388	18:15:10	-34:42:23	209978	-0: 4	-1:43	B8	6.86	.00	336	66	43	6665	980	5.67
1131	30.0C	776	381	18:15:10	-34:42:23	209978	-0: 4	-0:19	B8	6.86	.00	333	146	84	13000	1100	5.54
1132	3.0L	312	225	18:15:11	-24:22:33	186620	-0:10	-0:51	B9	9.10	.00	329	8	308	137?		
1133	3.0L	311	230	18:15:11	-24:22:33	186620/	0:11	-2:34	B9	9.10	.00	343	49	300	2000 H	2500*	5.59
1134	10.0C	314	220	18:15:11	-24:22:33	186620/	0:17	-2:31	B9	9.10	.00	61	9	33	213 L	66	8.61
1135	30.0C	318	210	18:15:11	-24:22:33	186620/	0: 8	-0:26	B9	9.10	.00	121	54	78	1658	77	8.44
1136	3.0L	499	300	18:15:12	-28:40:32	186621	0: 5	1:36	A2	8.90	.00	354	5	329	120	285	7.96
1137	3.0L	205	176	18:15:14	-22: 1:24	186622	-0:20	1:36	A0	9.40	.00	319	13	283	361?H		
1138	3.0L	199	181	18:15:14	-22: 1:24	186622?	0: 9	5:42	A0	9.40	.00	318	16	283	442?H	1150*	6.44
1139	30.0C	212	161	18:15:14	-22: 1:24	186622	-0: 4	1:58	A0	9.40	.00	108	8	83	187?L	17	10.09
1140	3.0L	755	396	18:15:16	-34:26:54	NO*	0: 7	0:37				336	8	307	193	385	7.64
1141	10.0C	759	386	18:15:16	-34:26:54	NO*	0: 7	-1: 5				72	10	39	258	68	8.58
1142	30.0C	764	376	18:15:16	-34:26:54	NO*	-0:13	0:28				113	32	84	718	35	9.30
1143	3.0L	251	204	18:15:23	-23: 3:57	186625	0: 2	-0:34	A0	9.30	.00	335	[illegible]	[illegible]	932?H	1140	6.45
1144	30.0C	597	318	18:15:30	-30:43: 6							95	10	74	199?	19	9.97
1145	3.0L	230	193	18:15:35	-22:34: 5	186627	-0:21	-1:48	A0	8.80	.00	313	5	289	1[illegible]5		
1146	3.0L	229	196	18:15:35	-22:34: 5	186627	-0: 4	-1:54	A0	8.80	.00	327	44	288	101[illegible]?H	1400*	6.23
1147	10.0C	231	183	18:15:35	-22:34: 5	186627	-0:11	0:33	A0	8.80	.00	67	20	34	526	97	8.19
1148	30.0C	236	175	18:15:35	-22:34: 5	186627	-0:12	0:36	A0	8.8[illegible]	.00	135	70	81	2601	125	7.91
1149	3.0L	612	344	18:15:36	-31:14:56	209983	-0: 4	0: 1	A0	8.90	8.74	344	17	315	417?H	655	7.06
1150	30.0C	621	322	18:15:36	-31:14:56	209983?	-0:28	1:20	A0	8.[illegible]0	8.74	97	4	75	85?L	12	10.47

SAGITTARIUS WEST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
1151	3.0L	311	230	18:15:37	-24:24:38	186630/	-0:15	-0:29	B8	9.40	.00	343	49	300	2000 H	2200	5.73
1152	10.0C	314	220	18:15:37	-24:24:38	186630/	-0: 8	-0:26	B8	9.40	.00	61	9	33	213 L	66	8.61
1153	30.0C	318	210	18:15:37	-24:24:38	186630/	-0:18	1:39	B8	9.40	.00	121	54	78	1658	77	8.44
1154	3.0L	270	218	18:15:51	-23:31:47	NO						324	9	298	234	410	7.57
1155	3.0L	477	299	18:15:53	-28:14:11	186635	-0: 5	2: 5	B9	9.10	.00	377	34	322	1113 H	1350	6.27
1156	3.0C	472	292	18:15:53	-28:14:11	186635	-0: 2	2:10	B9	9.10	.00	52	4	21	111	245	7.18
1157	10.0C	480	289	18:15:53	-28:14:11	186635	-0: 5	1:28	B9	9.10	.00	109	22	37	926	140	7.79
1158	30.0C	484	283	18:15:53	-28:14:11	186635	0: 6	1:51	B9	9.10	.00	149	64	80	2727	130	7.87
1159	3.0L	411	275	18:15:57	-26:45:34	186637	-0:10	3:20	A0	9.10	.00	356	27	313	785?H	1350*	6.27
1160	3.0L	410	279	18:15:57	-26:45:34	186637	0:13	2:47	A0	9.10	.00	345	6	309	175?		
1161	3.0L	245	207	18:15:59	-22:58:15	186639	-0: 7	-0:34	B9	9.20	.00	324	22	290	551?H	750	6.91
1162	30.0C	254	187	18:15:59	-22:58:15	186639	-0:19	-0:23	B9	9.20	.00	122	55	82	1575?	73	8.50
1163	3.0L	645	367	18:16:12	-32: 4:52	209990	0:18	0:51	A0	9.47	9.38	343	23	306	710?H	915	6.69
1164	3.0L	510	315	18:16:13	-29: 1:16	186642	-0: 7	2: 2	A0	8.50	.00	356	9	328	183	400	7.59
1165	3.0C	506	308	18:16:13	-29: 1:16	186642	0: 1	1:42	A0	8.50	.00	60	8	22	227	230	7.25
1166	10.0C	514	305	18:16:13	-29: 1:16	186642	-0: 1	0:60	A0	8.50	.00	123	27	36	1260	170	7.58
1167	30.0C	519	295	18:16:13	-29: 1:16	186642	-0:14	1:58	A0	8.50	.00	181	71	82	3876	195	7.43
1168	3.0L	365	262	18:16:15	-25:41: 7	NO	-0: 4	-1:24				348	25	304	740	755	6.90
1169	10.0C	367	252	18:16:15	-25:41: 7	NO	-0: 1	0:18				71	11	34	320	75	8.47
1170	30.0C	371	245	18:16:15	-25:41: 7	NO	0: 5	1: 7				119	39	76	1216	54	8.83
1171	10.0C	913	453	18:16:22	-37:37:24	209993?	-0:26	-11:12	A2	8.89	8.65	56	3	33	66 L	37	9.24
1172	30.0C	917	446	18:16:22	-37:37:24	209993?	-0:21	-9:14	A2	8.89	8.65	93	25	68	570	30	9.47
1173	3.0L	259	216	18:16:27	-23:19:53	186648	-0:20	1:22	A2	9.30	.00	323	49	280	1569?H	2900*	5.43
1174	3.0L	254	220	18:16:27	-23:19:53	186648	0: 7	4:21	A2	9.30	.00	322	34	278	1076?H		
1175	3.0L	486	309	18:16:31	-28:27:53	186652	-0: 7	0:47	B8	9.10	.00	361	32	318	992 H	1250	6.35
1176	10.0C	488	299	18:16:31	-28:27:53	186652	-0: 5	1:22	B8	9.10	.00	91	21	35	701	115	8.00
1177	30.0C	493	290	18:16:31	-28:27:53	186652	-0:12	1:53	B8	9.10	.00	138	49	84	1697	80	8.40
1178	3.0L	444	299	18:16:34	-27:31:39	186653	0:14	-1: 4	A2	8.40	.00	337	5	313	111?	255	8.08
1179	3.0L	826	437	18:16:37	-36: 1:49	209995:	-0: 0	-3:40	A5	9.15	9.26	353	34	281	1510 H	1550	6.12
1180	3.0C	820	428	18:16:37	-36: 1:49	209995	-0: 9	-1:34	A5	9.15	9.26	72	18	21	617 H	375	6.71
1181	10.0C	828	426	18:16:37	-36: 1:49	209995:	-0: 2	-2:34	A5	9.15	9.26	185	52	34	3269 H	415	6.60
1182	30.0C	832	421	18:16:37	-36: 1:49	209995:	0:11	-0:55	A5	9.15	9.26	216	114	72	7974 H	520	6.36
1183	3.0L	221	210	18:16:38	-22:33: 2	186655	0:13	-0:17	A5	9.20	.00	312	20	282	486 H	675	7.02
1184	3.0L	826	437	18:16:39	-36: 3:29	209996/	-0: 2	-2: 0	B8	8.67	8.26	353	34	281	1510 H	1550	6.12
1185	3.0C	820	428	18:16:39	-36: 3:29	209996	-0:11	0: 7	B8	8.67	8.26	72	18	21	617 H	380	6.70
1186	10.0C	828	426	18:16:39	-36: 3:29	209996/	-0: 4	-0:54	B8	8.67	8.26	185	52	34	3269 H	415	6.60
1187	30.0C	832	421	18:16:39	-36: 3:29	209996/	0: 9	0:45	B8	8.67	8.26	216	114	72	7974 H	520	6.36
1188	10.0C	959	479	18:16:42	-38:50: 1	209999	0: 6	0:34	B8	9.60	9.29	62	11	34	268 L	73	8.50
1189	30.0C	965	469	18:16:42	-38:50: 1	209999	-0:17	0:59	B8	9.60	9.29	107	66	67	1892	90	8.27
1190	1.0L	658	374	18:16:47	-32:23:23	210001/	0: 3	1:45	B9	9.39	9.19	110	6	86	127	445	7.48
1191	3.0L	657	376	18:16:47	-32:23:23	210001/	0: 8	1:15	B9	9.39	9.19	376	32	306	1330 H	1430	6.20
1192	3.0C	652	368	18:16:47	-32:23:23	210001/	0: 4	1:48	B9	9.39	9.19	78	20	21	691 H	400	6.64
1193	10.0C	660	365	18:16:47	-32:23:23	210001/	0: 4	1: 9	B9	9.39	9.19	197	55	42	3247 H	415	6.60
1194	30.0C	665	356	18:16:47	-32:23:23	210001/	-0: 4	1:46	B9	9.39	9.19	237	144	74	9500 H	700	6.03
1195	1.0L	767	414	18:16:48	-34:47:49	210002	-0: 6	0:25	B9	7.81	7.35	115	11	84	283	600	7.15
1196	3.0L	767	415	18:16:48	-34:47:49	210002	-0: 8	-0:31	B9	7.81	7.35	375	38	291	1868 H	1950	5.87
1197	3.0C	762	407	18:16:48	-34:47:49	210002	-0: 7	-0:26	B9	7.81	7.35	88	20	21	737	420	6.59
1198	10.0C	770	405	18:16:48	-34:47:49	210002	-0: 1	-1:28	B9	7.81	7.35	216	51	35	3431	435	6.55
1199	30.0C	774	398	18:16:48	-34:47:49	210002	-0: 1	-0:11	B9	7.81	7.35	231	113	73	9132	630	6.15
1200	3.0L	181	192	18:16:50	-21:45:19	186659	-0: 1	4:43	A0	9.20	.00	307	16	274	443?H	590	7.17

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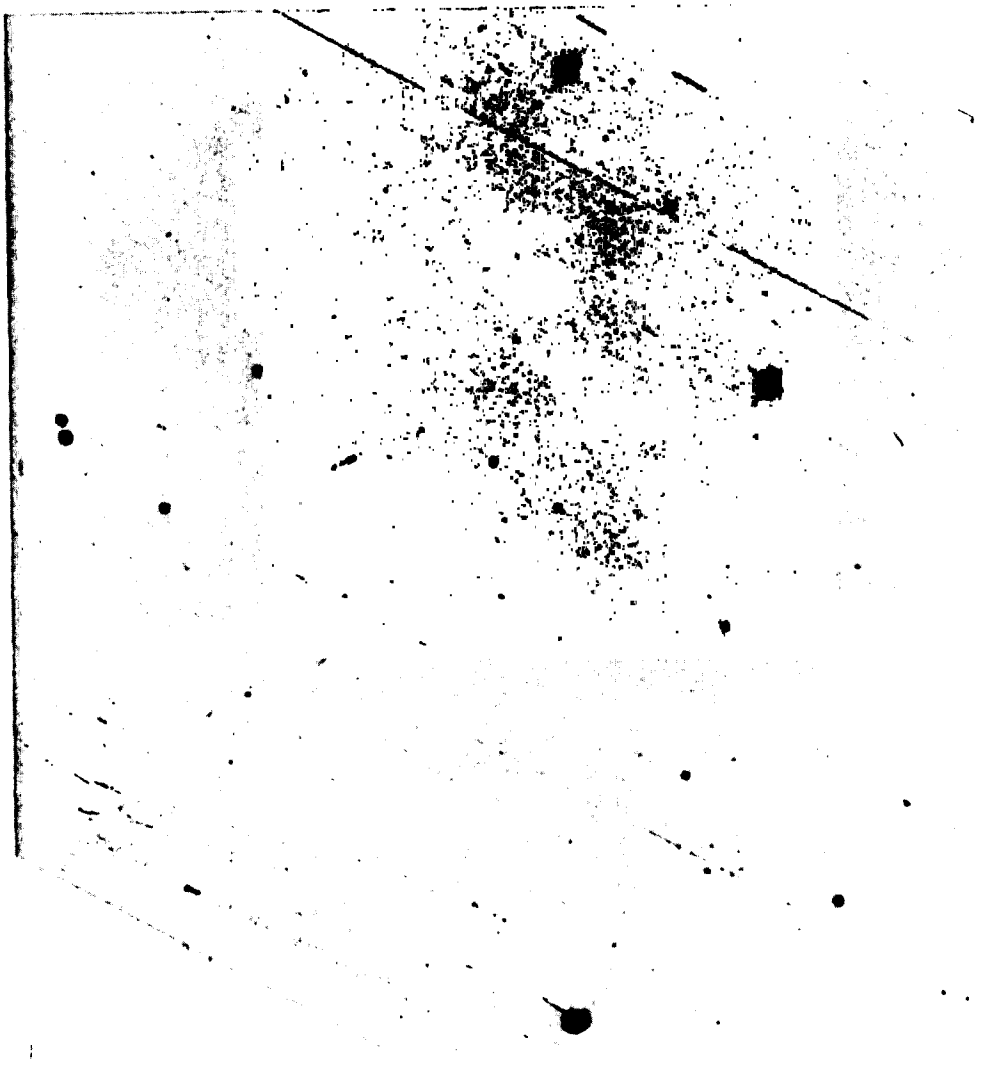

Fig 6b — S201 starfield photograph (Grus), frame A93 (ICa, 10-min exposure)

SAGITTARIUS WEST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
1201	10.0C	189	180	18:16:50	-21:45:19	186659	-0:14	-0:13	A0	9.20	.00	54	5	32	104 L	51	8.89
1202	30.0C	191	181	18:16:50	-21:45:19	186659?	0:30	-0: 0	A0	9.20	.00	109	59	71	1612	75	8.47
1203	1.0L	658	374	18:16:51	-32:21:50	210003/	-0: 1	0:12	B8	8.90	8.56	110	6	86	127	445	7.48
1204	3.0L	657	376	18:16:51	-32:21:50	210003/	0: 6	-0:18	B8	8.90	8.56	376	32	306	1330 H	1430	6.20
1205	3.0C	652	368	18:16:51	-32:21:50	210003/	0: 2	0:15	B8	8.90	8.56	78	20	21	691 H	400	6.64
1206	10.0C	660	365	18:16:51	-32:21:50	210003/	0: 1	-0:24	B8	8.90	8.56	197	55	42	3247 H	415	6.60
1207	30.0C	665	356	18:16:51	-32:21:50	210003/	-0: 7	0:13	B8	8.90	8.56	237	144	74	9500 H	700	6.03
1208	1.0L	658	374	18:16:54	-32:23:47	210004/	-0: 4	2: 9	B8	8.77	8.56	110	6	86	127	445	7.48
1209	3.0L	657	376	18:16:54	-32:23:47	210004/	0: 1	1:39	B8	8.77	8.56	376	32	306	1330 H	1430	6.20
1210	3.0C	652	368	18:16:54	-32:23:47	210004/	-0: 3	2:12	B8	8.77	8.56	78	20	21	691 H	400	6.64
1211	10.0C	660	365	18:16:54	-32:23:47	210004/	-0: 4	1:33	B8	8.77	8.56	197	55	42	3247 H	415	6.60
1212	30.0C	665	356	18:16:54	-32:23:47	210004/	-0:12	2:10	B8	8.77	8.56	237	144	74	9500 H	700	6.03
1213	1.0L	797	427	18:16:55	-35:27: 4	210005	-0: 2	-1:13	B9	6.72	.00	153	31	84	1190 H	1550	6.12
1214	3.0L	796	428	18:16:55	-35:27: 4	210005	-0: 2	-0:59	B9	6.72	.00	410	58	292	3600 H	3900	5.11
1215	3.0C	791	420	18:16:55	-35:27: 4	210005	-0: 7	-0:28	B9	6.72	.00	172	39	21	2469	1040	5.60
1216	10.0C	800	417	18:16:55	-35:27: 4	210005	-0: 8	-2:13	B9	6.72	.00	355	90	35	9149 H	1400	5.28
1217	30.0C	804	410	18:16:55	-35:27: 4	210005	-0: 7	0:18	B9	6.72	.00	351	150	73	18926	1600	5.13
1218	3.0L	315	249	18:16:56	-24:37:15	186661	-0: 9	-0:15	B9	9.60	.00	325	15	299	298 H	500	7.35
1219	10.0C	317	238	18:16:56	-24:37:15	186661	-0: 8	0:16	B9	9.60	.00	69	14	33	381	84	8.35
1220	30.0C	323	228	18:16:56	-24:37:15	186661?	-0:25	1:36	B9	9.60	.00	123	51	77	1678	76	8.46
1221	3.0L	387	280	18:16:58	-26:11:47	186663	-0: 2	-3:55	B9	8.70	.00	334	10	307	228	430	7.51
1222	3.0L	776	420	18:16:59	-35: 0: 4	210008	-0:10	-1: 1	B8	9.42	9.03	336	15	294	445 H	610	7.13
1223	3.0C	770	413	18:16:59	-35: 0: 4	210008	-0: 7	0:14	B8	9.42	9.03	62	12	20	356 H	280	7.03
1224	10.0C	779	410	18:16:59	-35: 0: 4	210008	-0: 8	-1:32	B8	9.42	9.03	87	18	35	630	108	8.07
1225	30.0C	783	403	18:16:59	-35: 0: 4	210008	-0: 3	-0:35	B8	9.42	9.03	126	46	80	1487		
1226	30.0C	782	406	18:16:59	-35: 0: 4	210008	0:11	-0:20	B8	9.42	9.03	125	58	73	1608	140*	7.79
1227	1.0L	658	374	18:17: 1	-32:21:59	210009/	-0:11	0:21	B8	8.29	7.89	110	6	86	127 L	445	7.48
1228	3.0L	657	376	18:17: 1	-32:21:59	210009/	-0: 5	-0: 9	B8	8.29	7.89	376	32	306	1330 H	1430	6.20
1229	3.0C	652	368	18:17: 1	-32:21:59	210009/	-0: 9	0:24	B8	8.29	7.89	78	20	21	691	400	6.64
1230	10.0C	660	365	18:17: 1	-32:21:59	210009/	-0: 9	-0:15	B8	8.29	7.89	197	55	42	3247 H	415	6.60
1231	30.0C	665	356	18:17: 1	-32:21:59	210009/	-0:17	0:21	B8	8.29	7.89	237	144	74	9500 H	700	6.03
1232	3.0L	328	255	18:17: 5	-24:57:58	186665	-0:18	3: 5	B9	9.00	.00	341	16	296	526	700	6.98
1233	10.0C	332	246	18:17: 5	-24:57:58	186665	-0:10	0:24	B9	9.00	.00	66	9	32	246 L	70	8.55
1234	30.0C	337	236	18:17: 5	-24:57:58	186665	-0:21	1:19	B9	9.00	.00	113	38	75	1073 L	50	8.91
1235	3.0L	173	197	18:17:16	-21:30:50	186673	0:13	-2:34	A2	9.00	.00	298	7	270	167?	310	7.87
1236	30.0C	185	184	18:17:16	-21:30:50	186673?	0:31	-8:46	A2	9.00	.00	100	5	71	126?L	15	10.23
1237	3.0L	204	205	18:17:23	-22:10:47	186675?	-0:21	-1: 6	B8	8.80	.00	309	18	279	433?	600	7.15
1238	3.0L	253	231	18:17:33	-23:21:13	186677	-0: 6	2:37	A0	9.40	.00	321	36	283	1022?H	1650*	6.05
1239	3.0L	251	235	18:17:33	-23:21:13	186677	0:18	3:16	A0	9.40	.00	313	13	277	362?H		
1240	3.0L	353	273	18:17:37	-25:29:41	186679	-0:12	-3: 0	B9	8.90	.00	325	4	296	110?L		
1241	3.0L	349	274	18:17:37	-25:29:41	186679	0: 1	1:17	B9	8.90	.00	340	35	292	1139 H	1480*	6.17
1242	10.0C	353	262	18:17:37	-25:29:41	186679	-0: 6	-0: 7	B9	8.90	.00	81	18	32	594	105	8.10
1243	30.0C	358	252	18:17:37	-25:29:41	186679	-0:21	2:24	B9	8.90	.00	128	56	72	2110	103	8.12
1244	3.0L	961	504	18:17:47	-39: 2:43	210022	0:10	0:41	B9	6.70	.00	286	25	240	795	1000	6.59
1245	3.0C	957	497	18:17:47	-39: 2:43	210022	0: 7	-0:31	B9	6.70	.00	51	17	20	437 L	320	6.89
1246	10.0C	965	493	18:17:47	-39: 2:43	210022	0:13	0:13	B9	6.70	.00	136	68	33	3463	465	6.48
1247	30.0C	969	487	18:17:47	-39: 2:43	210022	0:17	1:12	B9	6.70	.00	182	139	68	8310	540	6.32
1248	1.0L	479	325	18:17:50	-28:22:17	186684	0:11	-3:40	A0	8.80	.00	282	69	87	6761 H	10770	4.00
1249	3.0L	476	322	18:17:50	-28:22:17	186684	-0: 4	0:38	A0	8.80	.00	363	73	318	2631 H	2559	5.57
1250	10.0C	479	311	18:17:50	-28:22:17	186684	-0: 2	1:13	A0	8.80	.00	70	11	33	317 L	75	8.47

SAGITTARIUS WEST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
1251	30.0C	484	301	18:17:50	-28:22:17	186684	-0:20	2:35	A0	8.80	.00	113	33	74	1009?L	46	9.00
1252	3.0L	580	359	18:17:54	-30:39:54	210023	-0: 6	-2:56	A3	8.77	8.77	332	7	305	162?	330	7.80
1253	30.0C	911	465	18:17:59	-37:48:46							110	14	69	407?	25	9.67
1254	1.0L	590	363	18:18: 2	-30:57:54	210026	0: 1	1:33	B9	6.98	.00	139	15	84	553	830	6.80
1255	3.0L	589	364	18:18: 2	-30:57:54	210026	-0: 5	2:15	B9	6.98	.00	403	45	305	2333	2500	5.59
1256	3.0C	585	357	18:18: 2	-30:57:54	210026	0: 0	0:44	B9	6.98	.00	119	22	22	1075	530	6.34
1257	10.0C	593	354	18:18: 2	-30:57:54	210026	-0: 1	0: 4	B9	6.98	.00	277	56	33	4650	610	5.18
1258	30.0C	598	344	18:18: 2	-30:57:54	210026	-0:19	1:31	B9	6.98	.00	296	114	76	10770	820	5.86
1259	3.0L	876	472	18:18: 3	-37:15:25	NO*	-0: 2	-0: 6				344	35	266	1513?	1500	6.15
1260	3.0C	872	464	18:18: 3	-37:15:25	NO*	-0: 9	-0:49				72	24	22	778	445	6.53
1261	10.0C	880	461	18:18: 3	-37:15:25	NO*	-0: 5	-0: 8				192	64	34	4157	560	6.28
1262	30.0C	883	457	18:18: 3	-37:15:25	NO*	0:14	1: 5				225	137	70	9944	700	6.03
1263	3.0L	645	387	18:18: 4	-32:12:18	210027/	0:11	-1:14	A3	7.07	.00	331	6	307	133 L	290	7.94
1264	10.0C	651	376	18:18: 4	-32:12:18	210027/	0: 8	-4: 7	A3	7.07	.00	80	13	36	410 L	83	8.36
1265	3.0L	351	278	18:18: 6	-25:33:55	186689	-0: 9	1:20	A2	9.00	.00	328	16	294	550 H	1000*	6.59
1266	3.0L	352	284	18:18: 6	-25:33:55	186689	0:18	-2:16	A2	9.00	.00	322	6	292	156?		
1267	3.0L	707	407	18:18:12	-33:38:27	210031	-0: 8	2:35	A	9.60	9.23	330	12	298	294 H	490	7.37
1268	10.0C	712	398	18:18:12	-33:38:27	210031	-0: 5	-0:44	A	9.60	9.23	68	8	37	210	65	8.63
1269	30.0C	717	390	18:18:12	-33:38:27	210031	-0:11	1: 4	A	9.60	9.23	108	24	72	650	34	9.33
1270	3.0L	645	387	18:18:14	-32:16:29	210032/	0: 1	2:57	B8	8.80	8.56	331	6	307	133 L	290	7.94
1271	10.0C	651	376	18:18:14	-32:16:29	210032/	-0: 2	0: 3	B8	8.80	8.56	80	13	36	410 L	83	8.36
1272	30.0C	653	373	18:18:14	-32:16:29	210032?	0:24	2: 1	B8	8.80	8.56	132	46	72	1712 L	79	8.41
1273	30.0C	179	190	18:18:23	-21:34:43							99	9	70	208?	19	9.97
1274	3.0L	280	260	18:18:32	-24: 0:41	186700	0:15	-1:36	A0	9.10	.00	310	8	282	194?	360	7.71
1275	30.0C	176	192	18:18:37	-21:33:13							107	12	69	338?	22	9.81
1276	30.0C	644	369	18:18:40	-32: 4: 8	210043	-0: 7	2: 4	A0	8.50	8.31	102	10	68	249?L	20	9.91
1277	30.0C	908	467	18:18:47	-37:47: 2	210046?	-0:30	0:54	A0	8.83	8.56	113	9	67	288?L	21	9.86
1278	3.0L	473	331	18:18:50	-28:27:16	186704	-0: 9	5:17	A2	6.07	.00	354	27	314	700	980	6.62
1279	10.0C	479	323	18:18:50	-28:27:16	186704/	-0: 4	0:17	A2	6.07	.00	68	11	35	280 L	74	8.48
1280	30.0C	482	318	18:18:50	-28:27:16	186704/	0: 8	1:52	A2	6.07	.00	112	41	75	1121 L	50	8.91
1281	3.0L	480	336	18:18:53	-28:29:45	186706	0: 1	-2:41	A0	9.40	.00	332	7	306	146?		
1282	3.0L	474	336	18:18:53	-28:29:45	186706/	0: 7	4:51	A0	9.40	.00	331	8	301	193?	680*	7.01
1283	10.0C	479	323	18:18:53	-28:29:45	186706/	-0: 7	2:45	A0	9.40	.00	68	11	35	280	74	8.48
1284	30.0C	482	318	18:18:53	-28:29:45	186706/	0: 6	4:20	A0	9.40	.00	112	41	75	1121	50	8.91
1285	3.0L	195	223	18:18:55	-22: 6:24	186710	-0:12	-3:15	A0	9.20	.00	293	12	268	269?	430	7.51
1286	3.0L	191	221	18:18:57	-22: 2:47	186712/	-0:11	-1:48	A3	8.60	.00	292	4	269	89?	195	8.38
1287	3.0L	702	415	18:18:58	-33:33: 6	210052	-0: 5	0: 4	A0	9.35	9.08	331	10	294	291	465	7.43
1288	10.0C	705	405	18:18:58	-33:33: 6	210052	0: 2	-0:53	A0	9.35	9.08	80	18	33	581	105	8.10
1289	1.0L	231	238	18:18:59	-22:56:47	186715/	-0: 9	0:15	B8	7.70	.00	100	12	74	268 L	898	6.71
1290	3.0L	231	239	18:18:59	-22:56:47	186715/	-0:14	-0:39	B8	7.70	.00	375	60	276	2840 H	3050	5.38
1291	3.0C	226	232	18:18:59	-22:56:47	186715/	-0: 5	-1:10	B8	7.70	.00	81	27	20	1023	540	6.32
1292	10.0C	234	229	18:18:59	-22:56:47	186715/	-0: 8	-0:33	B8	7.70	.00	195	63	33	4310D	511	6.38
1293	30.0C	238	223	18:18:59	-22:56:47	186715/	-0: 2	0:15	B8	7.70	.00	309	185	81	15701	1350	5.32
1294	3.0L	339	284	18:19: 0	-25:23:33	186716/	-0:11	2:40	B8	9.00	.00	336	24	288	776 H	1250*	6.35
1295	3.0L	340	289	18:19: 0	-25:23:33	186716	0:11	-1:48	B8	9.00	.00	317	5	289	123?L		
1296	10.0C	343	275	18:19: 0	-25:23:33	186716	-0: 8	0:27	B8	9.00	.00	65	9	32	240 L	68	8.58
1297	30.0C	346	270	18:19: 0	-25:23:33	186716	0: 5	2: 1	B8	9.00	.00	107	41	69	1194 L	55	8.81
1298	1.0L	231	238	18:19: 1	-22:56:47	186717/	-0: 9	0:15	B8	7.06	.00	100	12	74	268 L	898	6.71
1299	3.0L	231	239	18:19: 1	-22:56:47	186717/	-0:14	-0:39	B8	7.06	.00	375	60	276	2840 H	3050	5.38
1300	3.0C	226	232	18:19: 1	-22:56:47	186717/	-0: 5	-1:10	B8	7.06	.00	81	27	20	1023	540	6.32

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SAGITTARIUS WEST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
1301	10.0C	234	229	18:19: 1	-22:56:47	186717/	-0: 8	-0:33	B8	7.06	.00	195	63	33	4310D	511	6.38
1302	30.0C	238	223	18:19: 1	-22:56:47	186717/	-0: 2	0:15	B8	7.06	.00	309	185	81	15701	1350	5.32
1303	3.0L	334	281	18:19: 2	-25:15:53	186718	-0:18	2: 9	A2	8.80	.00	318	4	289	102?		
1304	3.0L	339	284	18:19: 2	-25:15:53	186718/	-0:12	-5: 1	A2	8.80	.00	336	24	288	776 H	1150*	6.44
1305	3.0L	202	234	18:19: 3	-22:19:20	186719	0:18	-2:37	A0	8.60	.00	297	9	267	229?	390	7.62
1306	30.0C	210	210	18:19: 3	-22:19:20	186719	-0: 8	0: 1	A0	8.60	.00	102	13	78	284?L	22	9.81
1307	3.0L	500	342	18:19: 4	-28:56:41	186720	-0:18	-2: 1	B9	9.20	.00	338	4	311	98?L		
1308	3.0L	495	343	18:19: 4	-28:56:41	186720	-0: 2	3:28	B9	9.20	.00	343	47	299	1590 H	1950*	5.87
1309	10.0C	499	333	18:19: 4	-28:56:41	186720	-0: 4	1:43	B9	9.20	.00	61	6	33	149 L	57	8.77
1310	30.0C	503	327	18:19: 4	-28:56:41	186720	0: 7	2:10	B9	9.20	.00	100	19	70	496?L	28	9.54
1311	3.0L	317	277	18:19: 9	-24:55:49	186722	-0:14	3:47	B8	8.90	.00	317	7	289	162?	320	7.84
1312	3.0L	463	333	18:19:10	-28:12:57	186723	-0: 5	2:22	B8	8.50	.00	342	18	311	3730	7000*	4.47
1313	3.0L	467	335	18:19:10	-28:12:57	186723	-0: 3	-3:14	B8	8.50	.00	351	55	302	1888?H		
1314	3.0L	307	274	18:19:12	-24:39:26	186724	-0: 9	-0: 0	A7	9.20	.00	313	4	288	92?	210	8.30
1315	1.0L	386	304	18:19:14	-26:26:29	186726	-0: 7	1:26	B	7.99	.00	131	16	82	501	1048	6.54
1316	3.0L	385	305	18:19:14	-26:26:29	186726	-0: 9	1:42	B	7.99	.00	400	64	298	2800	3100	5.36
1317	3.0C	380	298	18:19:14	-26:26:29	186726	-0: 1	1:18	B	7.99	.00	111	19	23	930	475	6.46
1318	10.0C	388	295	18:19:14	-26:26:29	186726	-0: 4	0:41	B	7.99	.00	228	52	34	3688	475	6.46
1319	30.0C	392	289	18:19:14	-26:26:29	186726	0: 1	1:29	B	7.99	.00	277	122	74	10597	800	5.89
1320	3.0L	412	315	18:19:18	-26:56: 7	186730/	-0:13	-4:49	A0	8.80	.00	326	7	301	158?L		
1321	3.0L	406	316	18:19:18	-26:56: 7	186730/	0: 4	1:51	A0	8.80	.00	349	32	300	1022 H	1480*	6.17
1322	10.0C	410	304	18:19:18	-26:56: 7	186730/	-0: 3	0:30	A0	8.80	.00	76	13	34	393 L	83	8.36
1323	30.0C	415	294	18:19:18	-26:56: 7	186730/	-0:19	1:25	A0	8.80	.00	116	23	77	725 L	35	9.30
1324	3.0L	412	315	18:19:23	-26:56:11	186733/	-0:17	-4:46	A0	8.40	.00	326	7	301	158?L		
1325	3.0L	406	316	18:19:23	-26:56:11	186733/	-0: 0	1:54	A0	8.40	.00	349	32	300	1022 H	1480*	6.17
1326	10.0C	410	304	18:19:23	-26:56:11	186733/	-0: 7	0:33	A0	8.40	.00	76	13	34	393 L	83	8.36
1327	30.0C	415	294	18:19:23	-26:56:11	186733/	-0:24	1:29	A0	8.40	.00	116	23	77	725 L	35	9.30
1328	10.0C	988	518	18:19:26	-39:40:11	NO*	-0: 1	-3:48				55	5	34	105	50	8.91
1329	30.0C	992	510	18:19:26	-39:40:11	NO*	0: 2	3:47				97	34	67	825	41	9.13
1330	1.0L	845	473	18:19:29	-36:41:41	210061	-0: 7	-0:24	B8	5.39	.00	288	65	83	4820 H	8200	4.30
1331	3.0L	843	474	18:19:29	-36:41:41	210061	-0: 4	1: 1	B8	5.39	.00	436	124	276	9754	10800	4.00
1332	0.5C	848	467	18:19:29	-36:41:41	210061	-0: 1	0:17	B8	5.39	.00	154	40	24	2210 H	6100	3.67
1333	3.0C	839	467	18:19:29	-36:41:41	210061	-0: 6	-0: 8	B8	5.39	.00	378	90	23	9366	4550	3.99
1334	10.0C	847	464	18:19:29	-36:41:41	210061	-0: 2	0:33	B8	5.39	.00	416	202	37	25188	4750	3.94
1335	30.0C	850	458	18:19:29	-36:41:41	210061	0: 5	2:38	B8	5.39	.00	402	399	70	50873	4200	4.08
1336	1.0L	549	366	18:19:33	-30: 9:57	210064	-0: 1	1:42	B	8.52	8.07	133	14	84	454	735	6.93
1337	3.0L	548	367	18:19:33	-30: 9:57	210064	-0: 2	1:59	B	8.52	8.07	394	39	308	1780	2000	5.84
1338	3.0C	544	360	18:19:33	-30: 9:57	210064	-0: 2	0:53	B	8.52	8.07	102	21	21	894	485	6.43
1339	10.0C	552	357	18:19:33	-30: 9:57	210064	-0: 4	0:15	B	8.52	8.07	238	51	33	3708	465	6.48
1340	30.0C	555	352	18:19:33	-30: 9:57	210064	0:15	1:27	B	8.52	8.07	275	124	67	10567	750	5.96
1341	10.0C	992	525	18:19:55	-39:50:30	NO*						76	24	34	715	120	7.96
1342	3.0L	462	342	18:19:56	-28:13:16							357	98	302	3324?	4000	5.08
1343	3.0L	212	244	18:20: 2	-22:38: 7	186743	-0:15	0:47	B9	9.00	.00	308	13	269	353	500	7.35
1344	10.0C	216	234	18:20: 2	-22:38: 7	186743	-0:12	-1:27	B9	9.00	.00	58	8	33	178 L	61	8.70
1345	30.0C	220	227	18:20: 2	-22:38: 7	186743	-0:10	0:57	B9	9.00	.00	114	55	74	1649	77	8.44
1346	3.0L	399	322	18:20: 7	-26:47:55	186745	0: 1	-0:38	A0	9.10	.00	326	5	298	122?	475*	7.41
1347	3.0L	396	325	18:20: 7	-26:47:55	186745	0:20	0:28	A0	9.10	.00	322	4	294	98?		
1348	10.0C	992	525	18:20:10	-39:48:26	NO	-0:15	-1:35				76	21	34	650	110	8.05
1349	30.0C	993	521	18:20:10	-39:48:26	NO	0:14	1:34				99	21	67	537	30	9.47
1350	3.0L	428	334	18:20:16	-27:31:44	186747	-0: 4	2:35	A0	8.40	.00	339	30	301	726	790	6.85

SAGITTARIUS WEST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
1351	10.0C	432	324	18:20:16	-27:31:44	186747	-0: 0	0:24	A0	8.40	.00	65	7	34	173 L	60	8.71
1352	30.0C	437	314	18:20:16	-27:31:44	186747	-0:16	2:55	A0	8.40	.00	107	29	75	730 L	52*	8.87
1353	30.0C	435	320	18:20:16	-27:31:44	186747?	0:20	2:47	A0	8.40	.00	103	8	73	192 L		
1354	1.0L	405	324	18:20:17	-26:58:46	186748	-0: 4	1:33	B0	8.80	.00	113	5	85	123 L	467	7.42
1355	3.0L	404	325	18:20:17	-26:58:46	186748	-0: 6	1:50	B0	8.80	.00	375	34	310	1015	1866	5.91
1356	3.0C	400	318	18:20:17	-26:58:46	186748	-0: 3	1:52	B0	8.80	.00	71	13	21	417 L	300	6.96
1357	10.0C	408	315	18:20:17	-26:58:46	186748	-0: 6	1:16	B0	8.80	.00	161	30	35	1791 L	230	7.25
1358	30.0C	413	305	18:20:17	-26:58:46	186748	-0:18	2:10	B0	8.80	.00	208	93	80	5800 L	360	6.76
1359	3.0L	287	287	18:20:28	-24:18:51	186753	0:14	-3:18	A3	9.10	.00	303	4	275	96?	210	8.30
1360	3.0L	231	258	18:20:30	-23: 5:15	186754	-0:12	0:20	B9	9.00	.00	323	46	268	1440?H	1500	6.15
1361	10.0C	234	249	18:20:30	-23: 5:15	186754	-0: 7	-0:42	B9	9.00	.00	78	25	33	794	130	7.87
1362	30.0C	238	244	18:20:30	-23: 5:15	186754	0: 3	-0:19	B9	9.00	.00	145	86	74	3637	180	7.51
1363	1.0L	735	446	18:20:31	-34:24:34	210084:	0:14	0: 5	B9	10.10	9.60	403	127	88	12074 H	31500	2.83
1364	.5C	738	440	18:20:31	-34:24:34	210084:	0:24	-0:38	B9	10.10	9.30	366	91	25	9140 H	26800	2.06
1365	3.0C	729	439	18:20:31	-34:24:34	210084:	0:15	0:25	B9	10.10	9.60	442	240	25	25361 H	15000	2.69
1366	10.0C	736	436	18:20:31	-34:24:34	210084:	0:17	1: 4	B9	10.10	9.60	447	438	42	63244 H	12500	2.89
1367	3.0L	299	289	18:20:37	-24:39: 1	186759	-0: 8	1:55	A0	9.20	.00	303	7	279	142?	280	7.98
1368	3.0L	481	359	18:20:41	-28:41:44	186761	0: 7	-2:29	B9	9.00	.00	332	5	308	107?L	245	8.13
1369	3.0L	865	497	18:20:43	-37:14:39	210087/	0: 6	-0: 1	B9	9.02	8.60	305	17	265	486 H	615	7.12
1370	3.0C	860	489	18:20:43	-37:14:39	210087	0: 2	0:39	B9	9.02	8.60	46	6	21	132	190	7.46
1371	10.0C	868	486	18:20:43	-37:14:39	210087/	0: 2	-0: 3	B9	9.02	8.60	100	32	35	1224	175	7.55
1372	30.0C	872	480	18:20:43	-37:14:39	210087/	0: 9	2: 2	B9	9.02	8.60	144	80	73	3453	170	7.58
1373	1.0L	735	446	18:20:44	-34:21:39	210088:	0: 1	-2:50	B9	6.79	.00	403	127	88	12074 H	31500	2.83
1374	3.0L	733	447	18:20:44	-34:21:39	210088:	0: 6	-1:39	B9	6.79	.00	457	329	292	25986 H	42000	2.52
1375	.5C	738	440	18:20:44	-34:21:39	210088:	0:11	-3:33	B9	6.79	.00	366	91	25	9140 H	26800	2.06
1376	3.0C	729	439	18:20:44	-34:21:39	210088:	0: 2	-2:30	B9	6.79	.00	442	240	25	25361 H	15000	2.69
1377	10.0C	736	436	18:20:44	-34:21:39	210088:	0: 4	-1:51	B9	6.79	.00	447	438	42	63244 H	12500	2.89
1378	30.0C	741	431	18:20:44	-34:21:39	210088:	0:13	-2:36	B9	6.79	.00	425	816	74	122476 H	13500	2.80
1379	3.0L	177	238	18:20:46	-21:56:43	186763	-0:16	0:39	B9	9.00	.00	298	15	257	456 H	560	7.23
1380	10.0C	181	229	18:20:46	-21:56:43	186763	-0:13	-0:24	B9	9.00	.00	64	17	32	444	89	8.28
1381	30.0C	184	225	18:20:46	-21:56:43	186763	0:10	0:21	B9	9.00	.00	133	89	73	3289 H	160	7.64
1382	1.0L	735	446	18:20:51	-34:24:36	210091/	-0: 6	0: 8	A0	1.95	.00	403	127	88	12074	31500	2.83
1383	3.0L	733	447	18:20:51	-34:24:36	210091/	-0: 1	1:18	A0	1.95	.00	457	329	292	25986 L	42000	2.52
1384	.5C	738	440	18:20:51	-34:24:36	210091/	0: 4	-0:36	A0	1.95	.00	366	91	25	9140	26800	2.06
1385	3.0C	729	439	18:20:51	-34:24:36	210091/	-0: 5	0:28	A0	1.95	.00	442	240	25	25361 L	15000	2.69
1386	10.0C	736	436	18:20:51	-34:24:36	210091/	-0: 2	1: 6	A0	1.95	.00	447	438	42	63244 L	12500	2.89
1387	30.0C	741	431	18:20:51	-34:24:36	210091/	0: 7	0:22	A0	1.95	.00	425	816	74	122476 L	13500	2.80
1388	3.0L	310	296	18:20:55	-24:47:51	186765	-0:15	-4:43	B9	9.20	.00	300	5	278	108?L	230	8.20
1389	3.0L	366	319	18:21: 1	-26: 8:17	NO*	-0: 6	0: 0				335	17	292	530	690	7.00
1390	10.0C	369	309	18:21: 1	-26: 8:17	NO*	-0: 6	-0:35				79	16	32	519	96	8.20
1391	30.0C	372	305	18:21: 1	-26: 8:17	NO*	0:12	0:34				126	52	74	1838	87	8.31
1392	3.0L	929	526	18:21: 5	-38:38:23	210097	0: 2	-1:55	B8	8.20	7.87	289	13	244	420 L	500	7.35
1393	3.0C	925	519	18:21: 5	-38:38:23	210097	-0: 0	-3: 7	B8	8.20	7.87	50	9	21	224 L	240	7.20
1394	10.0C	933	516	18:21: 5	-38:38:23	210097	0: 2	-3:30	B8	8.20	7.87	133	58	33	2814	370	6.73
1395	30.0C	938	507	18:21: 5	-38:38:23	210097	-0: 5	2:12	B8	8.20	7.87	167	130	66	7188	450	6.52
1396	3.0L	865	497	18:21: 6	-37:15:15	210098/	-0:16	0:35	A3	7.84	7.71	305	17	265	486 H	610	7.13
1397	3.0C	860	489	18:21: 6	-37:15:15	210098?	-0:21	1:15	A3	7.84	7.71	46	6	21	132	190	7.46
1398	10.0C	868	486	18:21: 6	-37:15:15	210098?	-0:20	0:33	A3	7.84	7.71	100	32	35	1224 H	175	7.55
1399	30.0C	872	480	18:21: 6	-37:15:15	210098/	-0:13	2:38	A3	7.84	7.71	144	80	73	3453 H	170	7.58
1400	30.0C	575	373	18:21:10	-30:42:59	210101	-0: 7	1:46	A0	8.03	7.61	87	8	63	174 L	18	10.03

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SAGITTARIUS WEST, R.A. 18:34 DEC. -30:24 (6 FRAMES)

OBJECT NO.	EXP.& FILTER	X	Y	R.A.	DEC.	SAO NO.	Δ R.A.	Δ DEC.	SPEC. TYPE	V MAG.	P MAG.	PEAK DEN.	NO. OF POINTS	BG	DENSITY VOLUME	CORR. V/E	UV MAG.
1401	3.0L	685	437	18:21:11	-33:18:31	210102	0:17	-3:29	A0	8.46	8.10	309	4	286	85?L	190	8.41
1402	10.0C	686	422	18:21:11	-33:18:31	210102	-0: 1	0: 1	A0	8.46	8.10	54	4	32	85 L	46	9.00
1403	1.0L	405	335	18:21:13	-27: 1:53	NO						159	28	85	1249	1600	6.08
1404	3.0L	389	333	18:21:18	-26:42: 9							334	41	292	1211?	1400	6.23

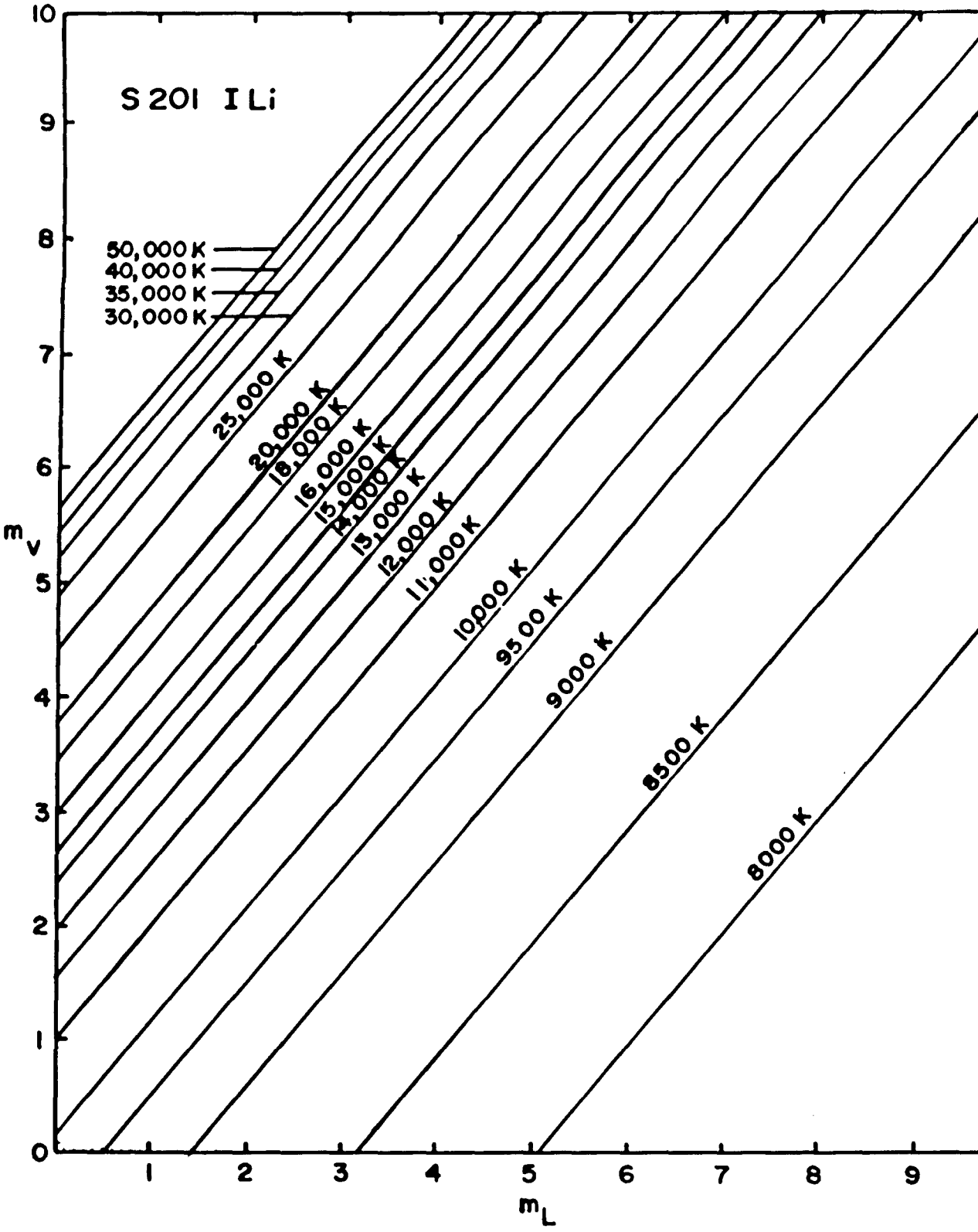

Fig. 36 — Theoretical relationship between UV magnitude in the ILi mode (m_L) and the visual magnitude (m_v) based on model atmosphere predictions and S201 preflight calibrations (to be used as an overlay for Figs. 16, 18, 20, 22, 24, 26, and 28)

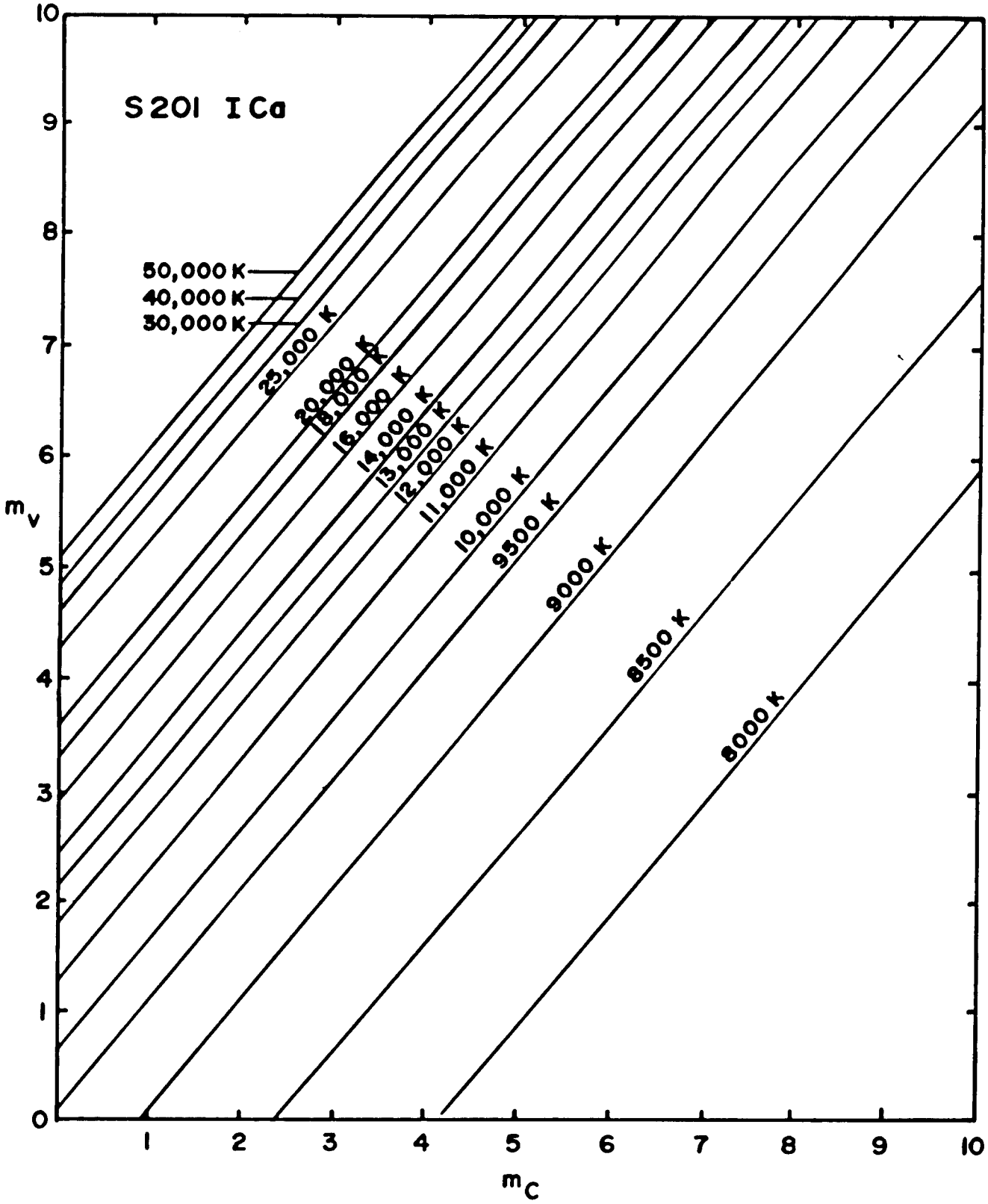

Fig. 37 — Theoretical relationship between UV magnitude in the ICa mode (m_C) and visual magnitude (m_v) based on model atmosphere predictions and S201 preflight calibration (to be used as an overlay for Figs. 17, 19, 21, 23, 25, 27, and 29)

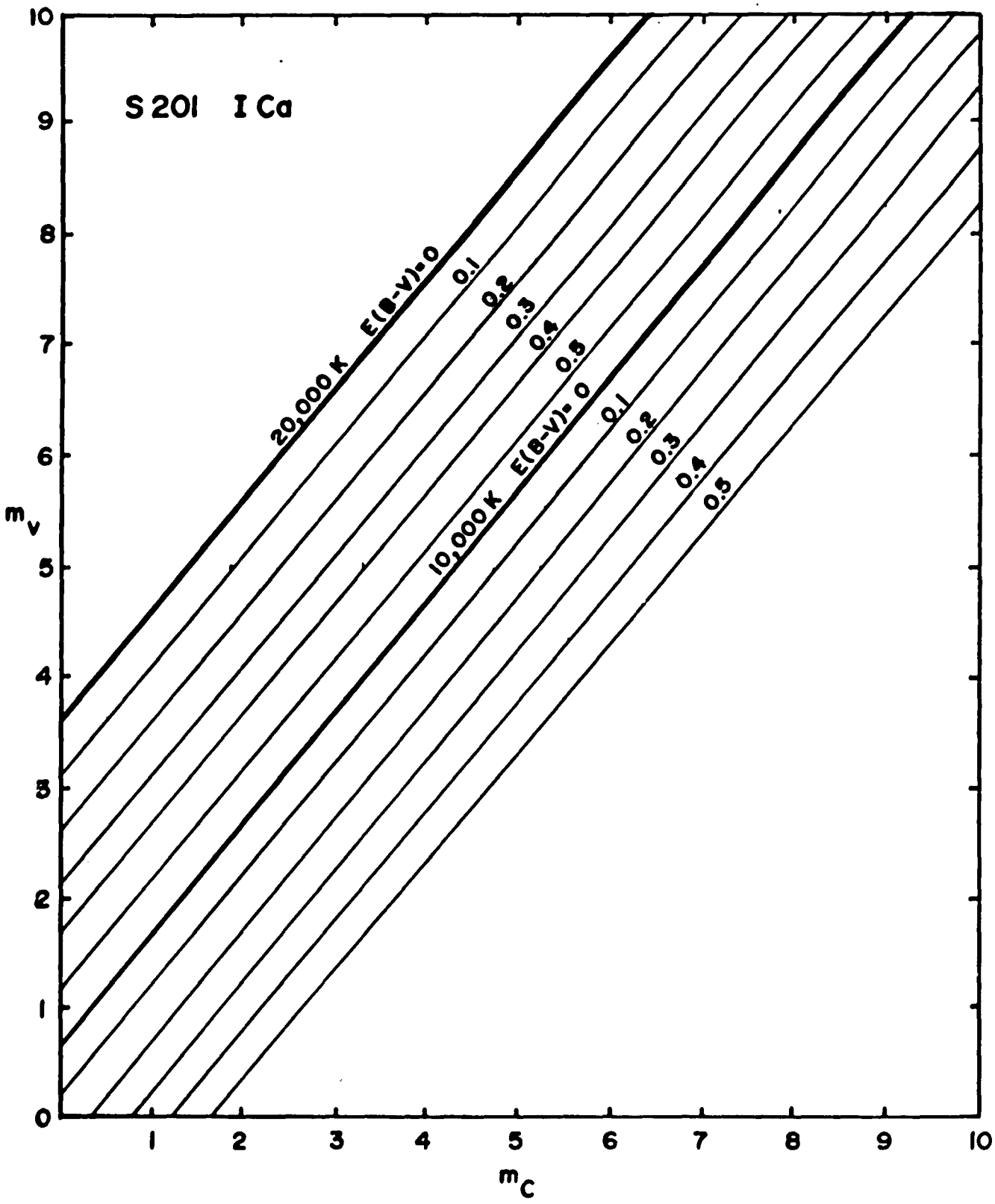

Fig. 38 — Effect of varying amounts of interstellar reddening on the relationship shown in Fig. 37, for effective temperatures of 10,000 K and 20,000 K (to be used as an overlay for Figs. 17, 19, 21, 23, 25, 27, and 29)

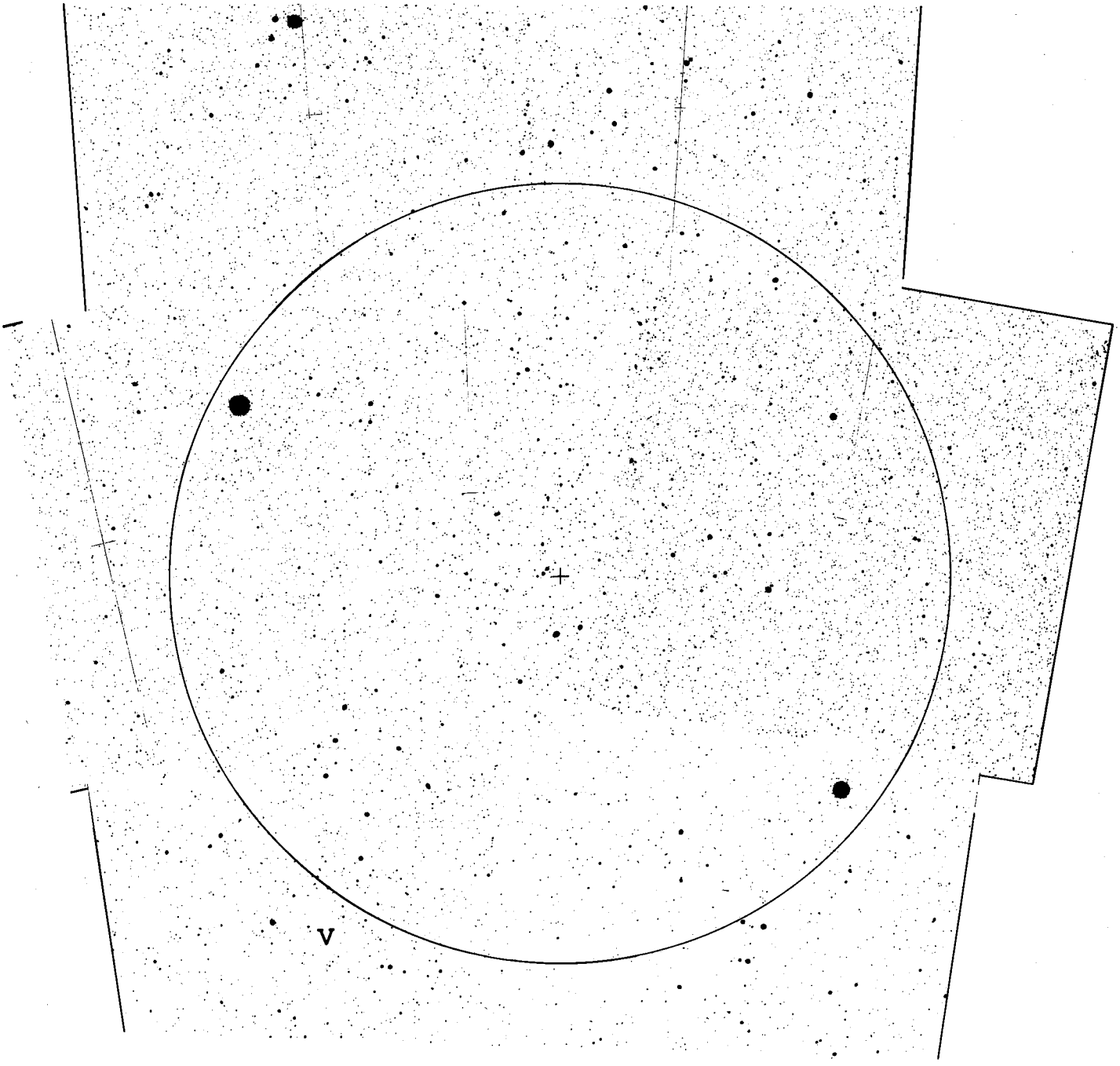

Fig. 7a — Preselected target field (Pavo). The approximate area covered by the S201 pointing is shown by the circle.

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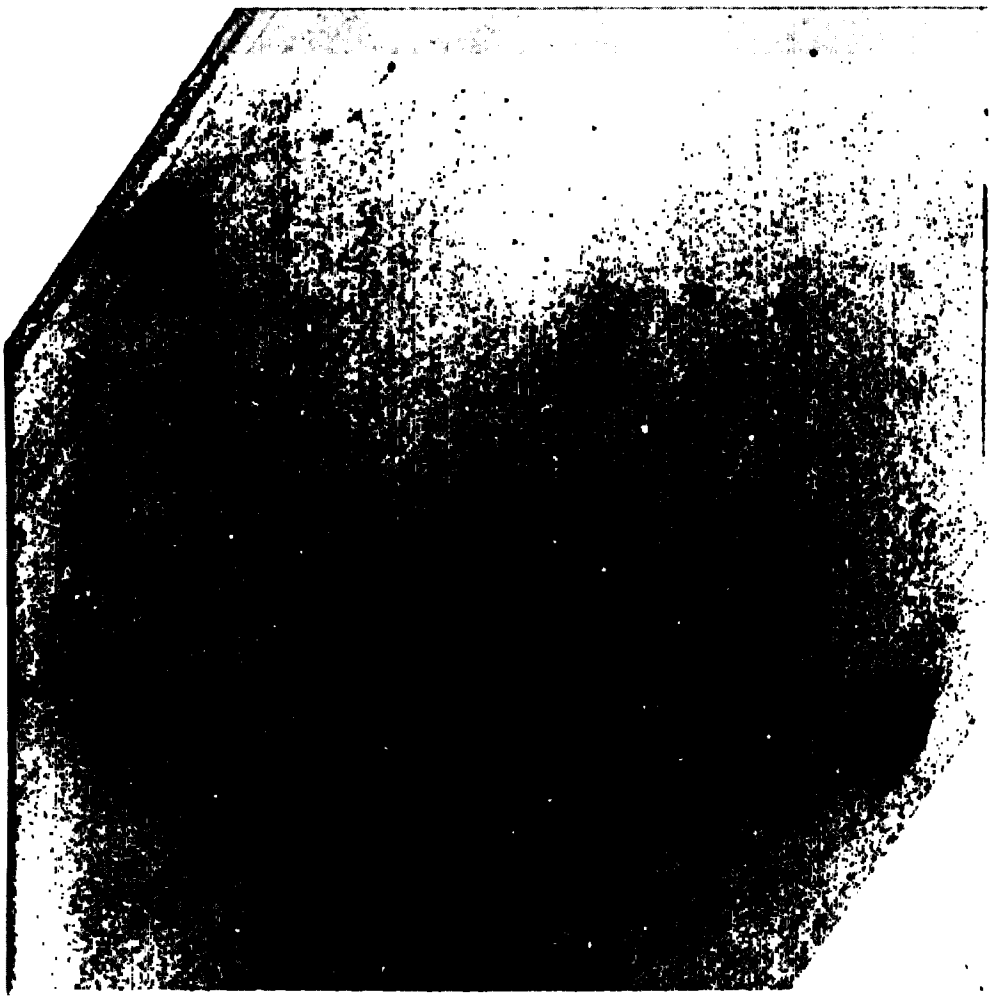

Fig. 7b — S201 starfield photograph (Pavo), frame A121 (ICa, 3-min exposure)

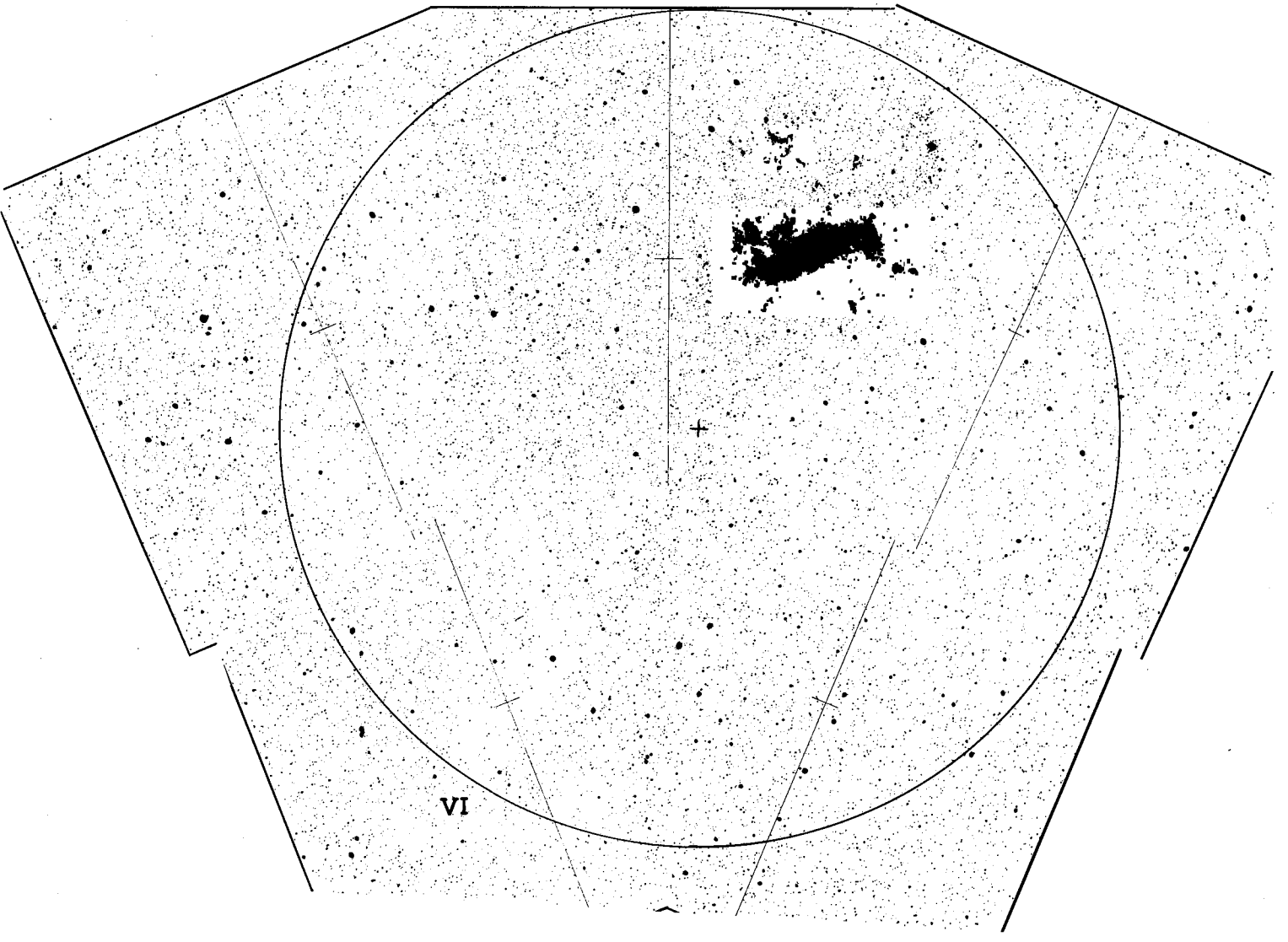

Fig. 8a — Preselected target field (Mensa-LMC). The approximate area covered by the S201 pointing is shown by the circle.

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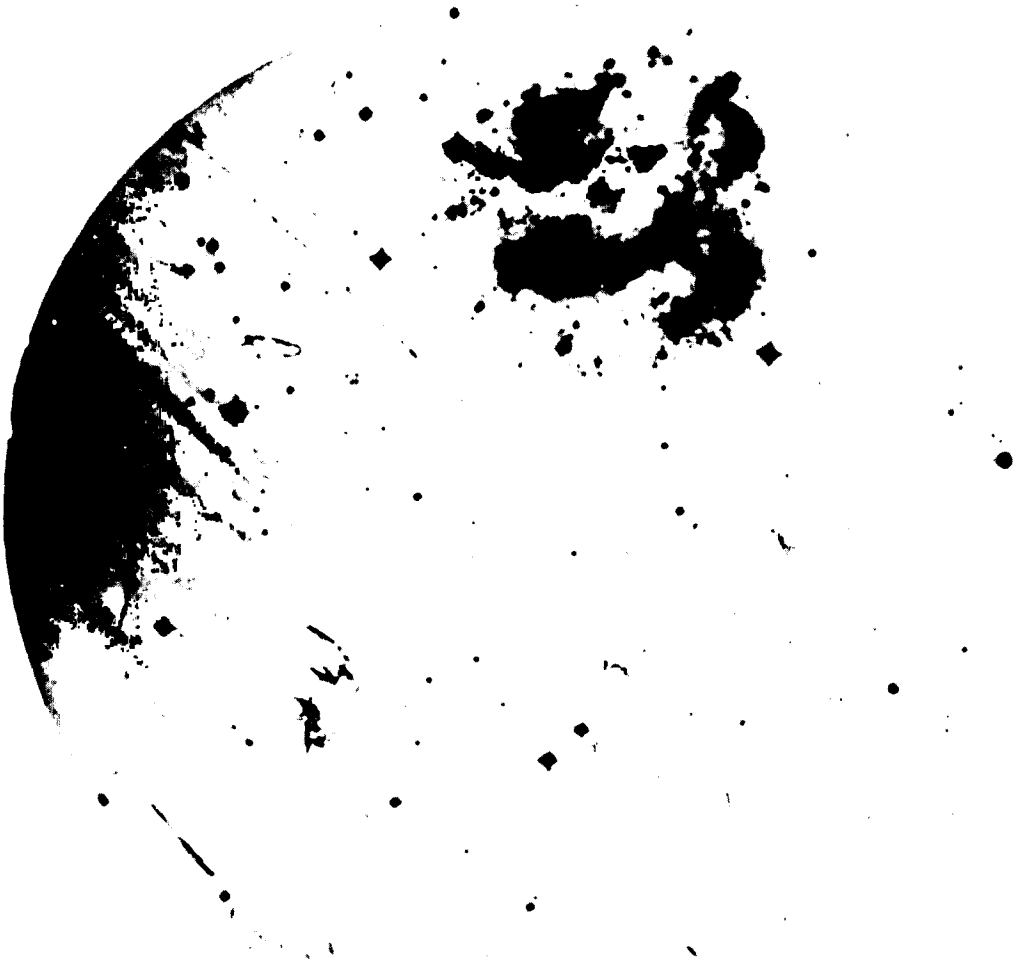

Fig 8b — S201 starfield photograph (Mensa-LMC), frame A129 (ICa, 10-min exposure)

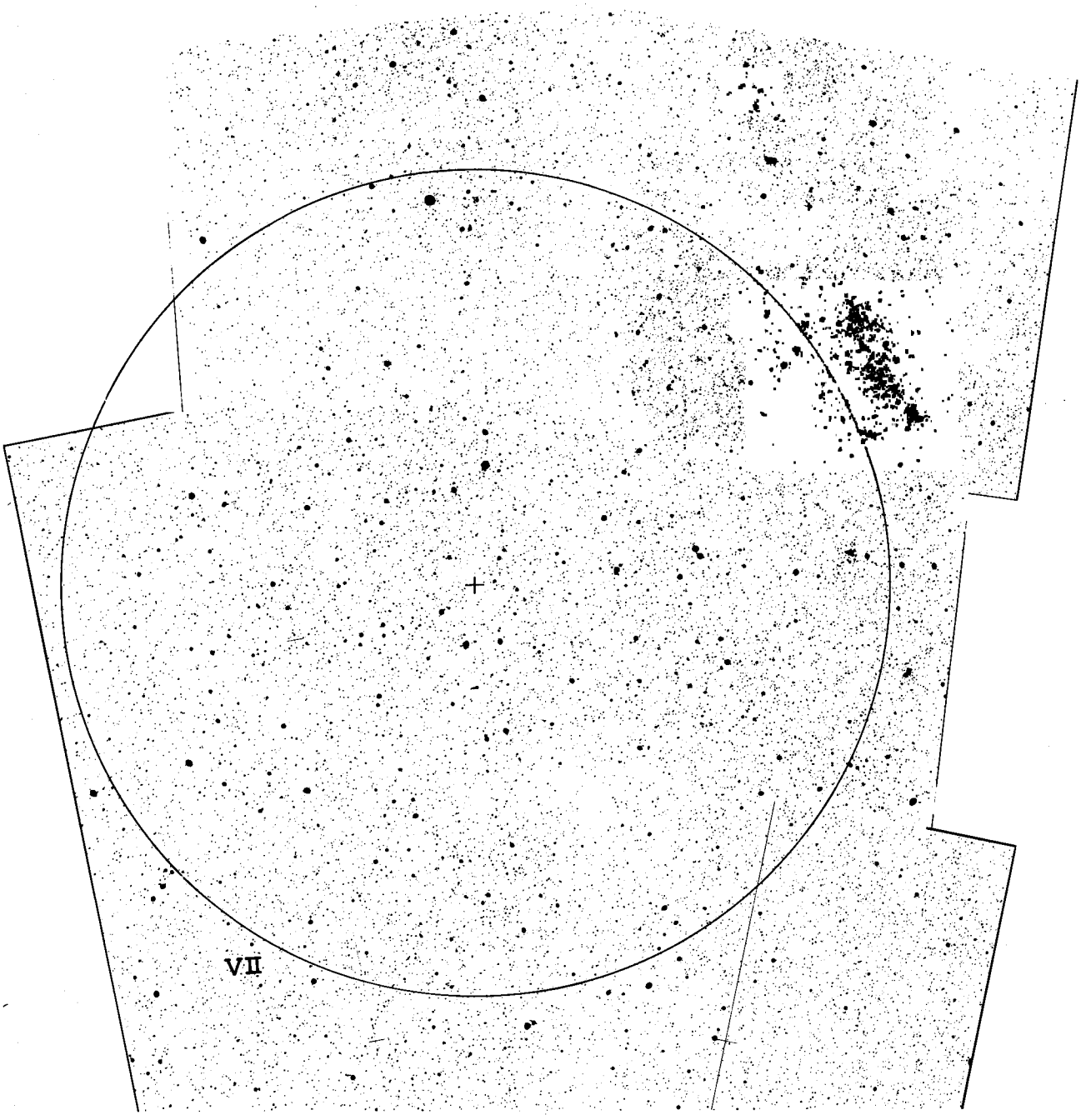

Fig. 9a — Preselected target field (Norma). The approximate area covered by the S201 pointing is shown by the circle.

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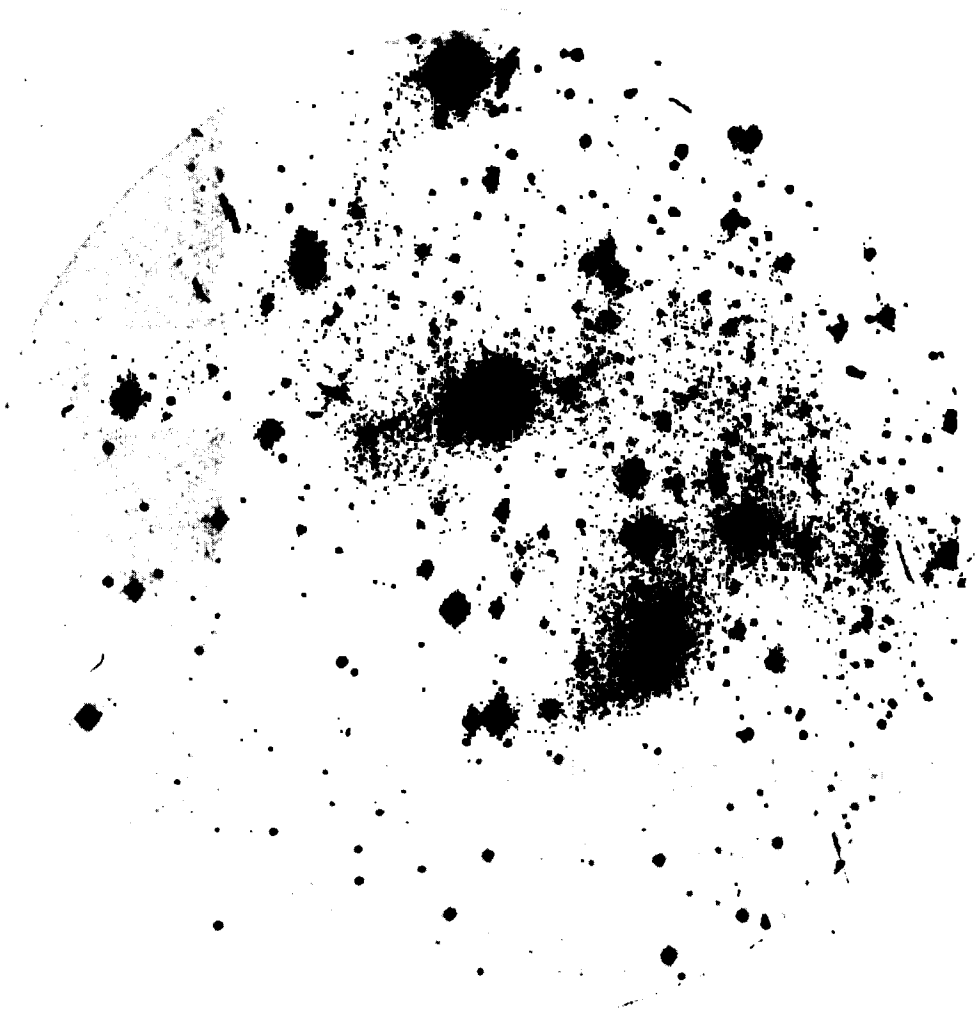

Fig. 9b — S201 starfield photograph (Norma), frame A149 (ICa, 4.1-min exposure)

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A catalog of star images was compiled from images obtained by the NRL Far-Ultraviolet Camera/Spectrograph (Experiment S201), operated from 21 to 23 April 1972 on the lunar surface during the Apollo-16 mission. These images were scanned on a microdensitometer, and the output was recorded on magnetic tapes. A set of seven computer programs was written to process these recorded outputs in order to compile the catalog. The catalog is divided into 11 parts, covering ten fields in the sky (the Sagittarius field being covered by two parts), and each part is headed by a constellation name and the field center coordinates. The errors in position of the detected

(Continued)

DD FORM 1 JAN 73 1473 EDITION OF 1 NOV 65 IS OBSOLETE
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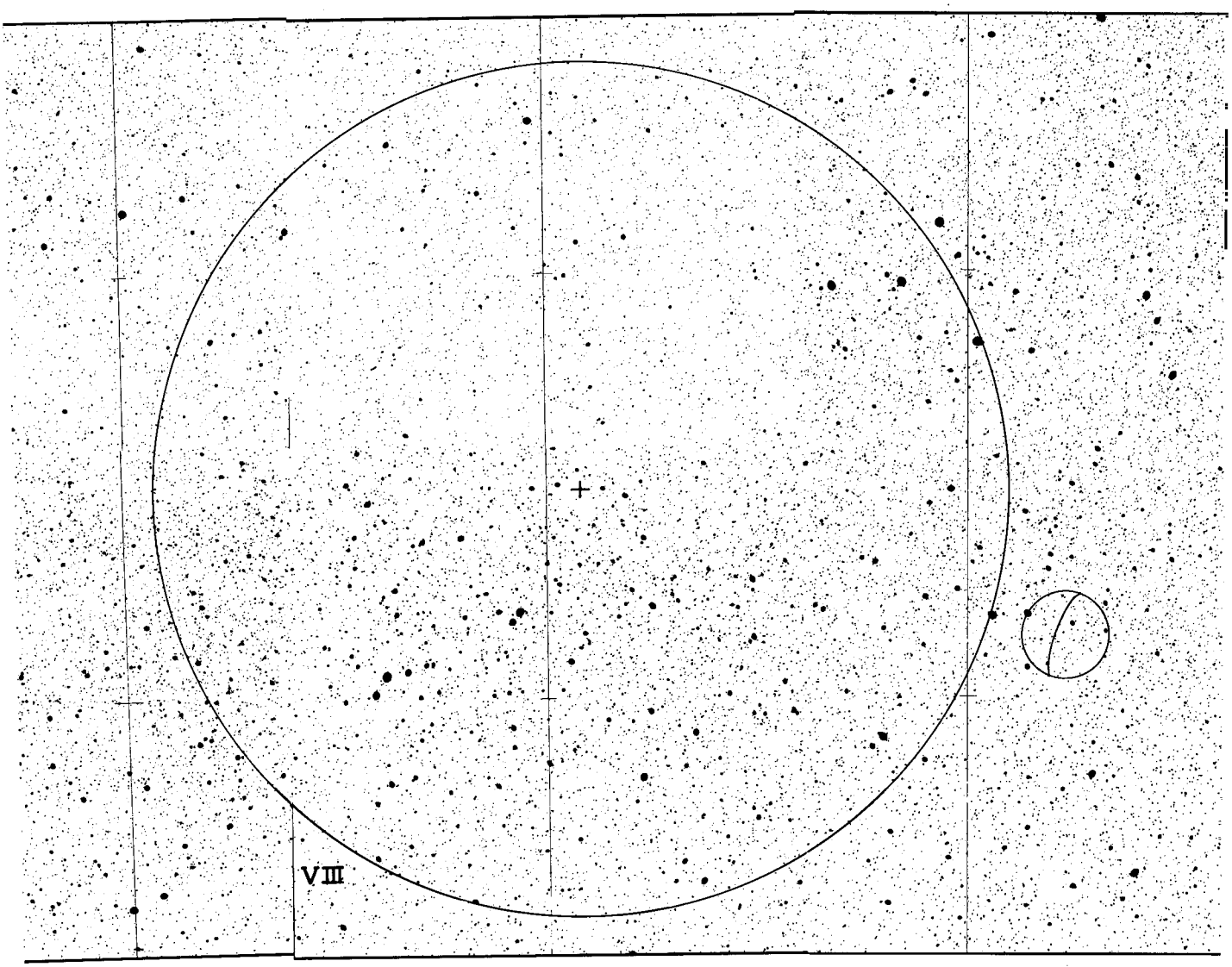

Fig. 10a — Preselected target field (Aquarius-Geocorona). The approximate area covered by the S201 pointing is shown by the circle.

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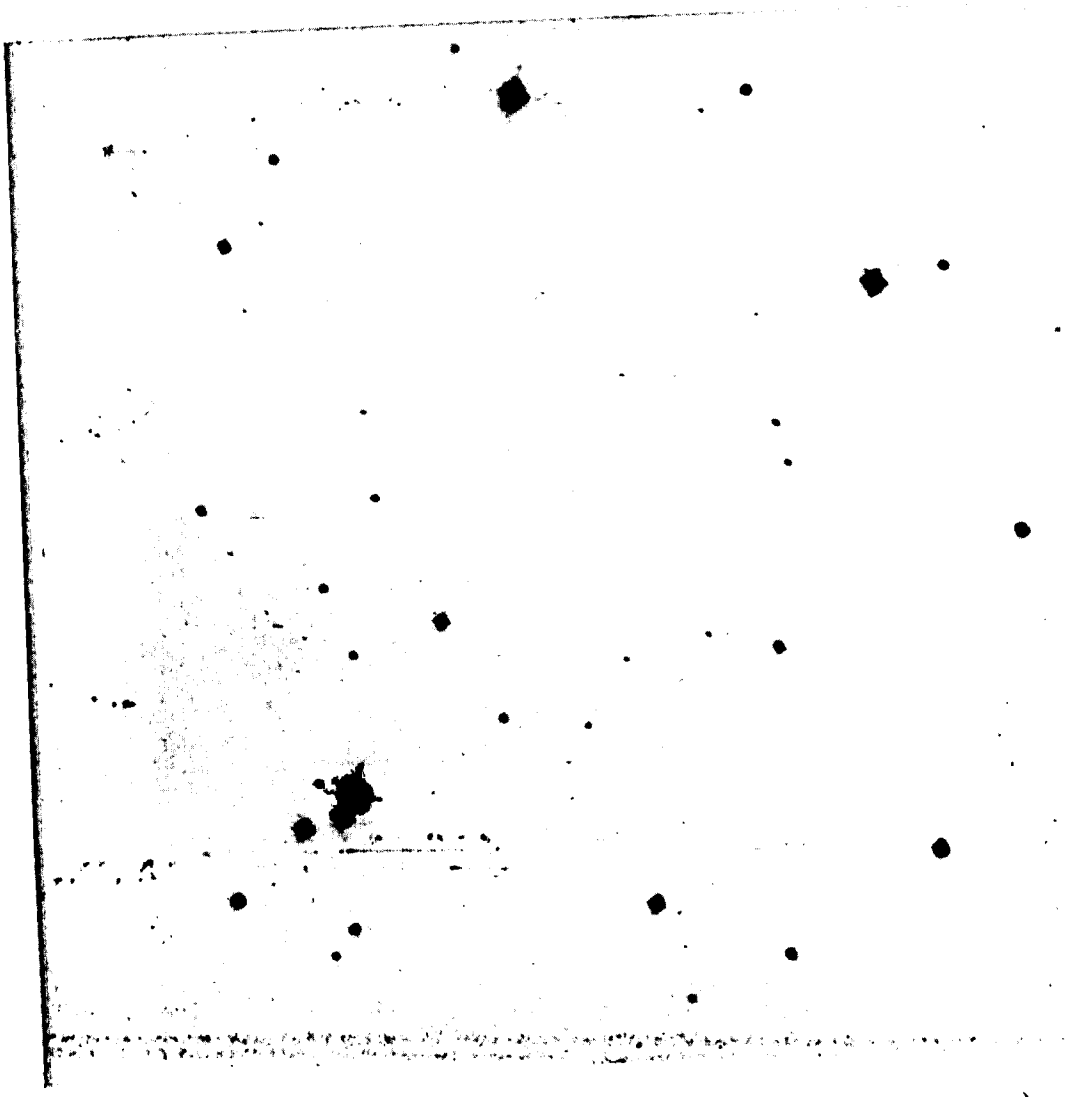

Fig. 10b — S201 starfield photograph (Aquarius-Geocorona), frame A156 (ICa, 10-min exposure)

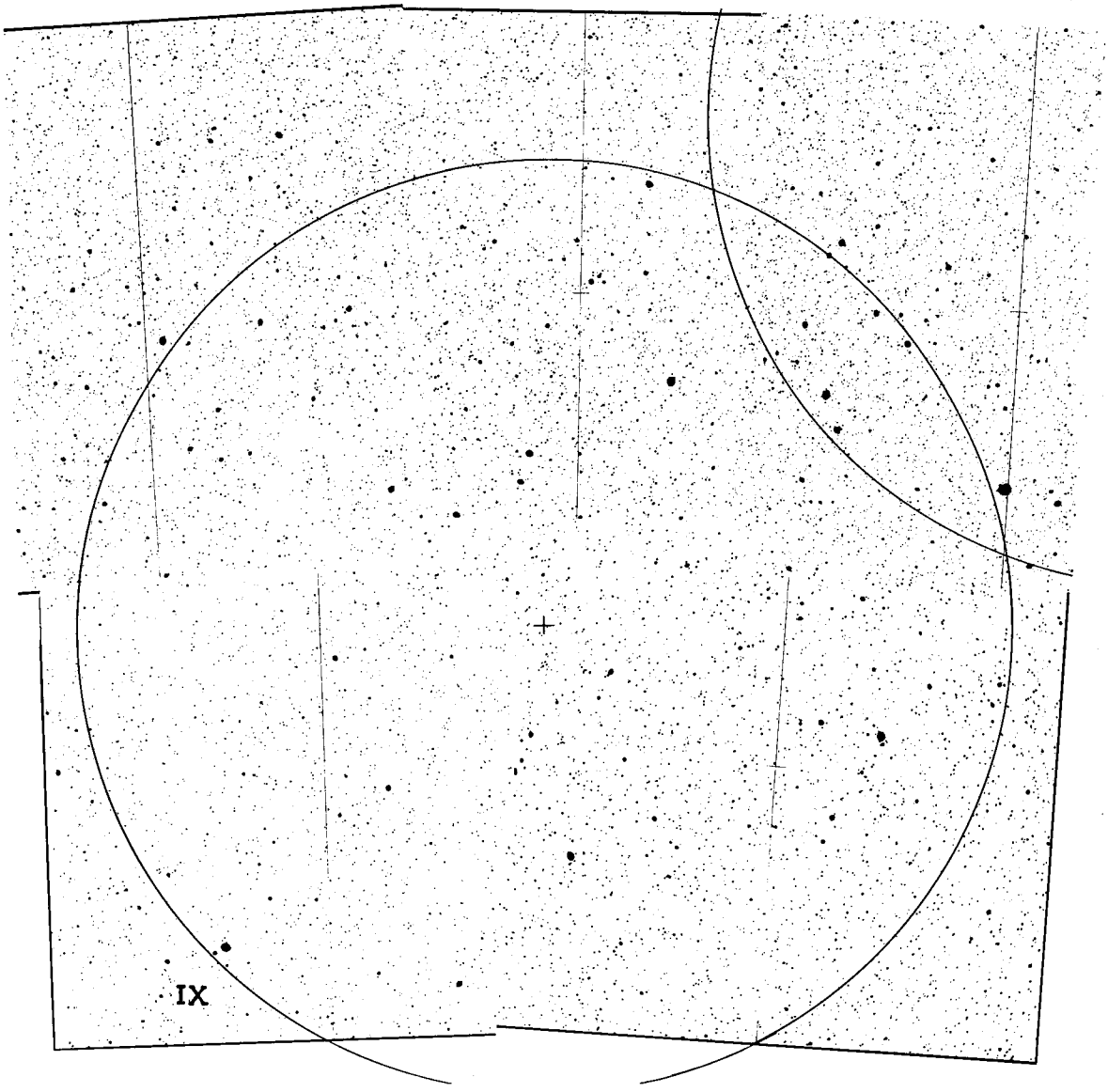

Fig. 11a — Preselected target field (Fornax). The approximate area covered by the S201 pointing is shown by the full circle.

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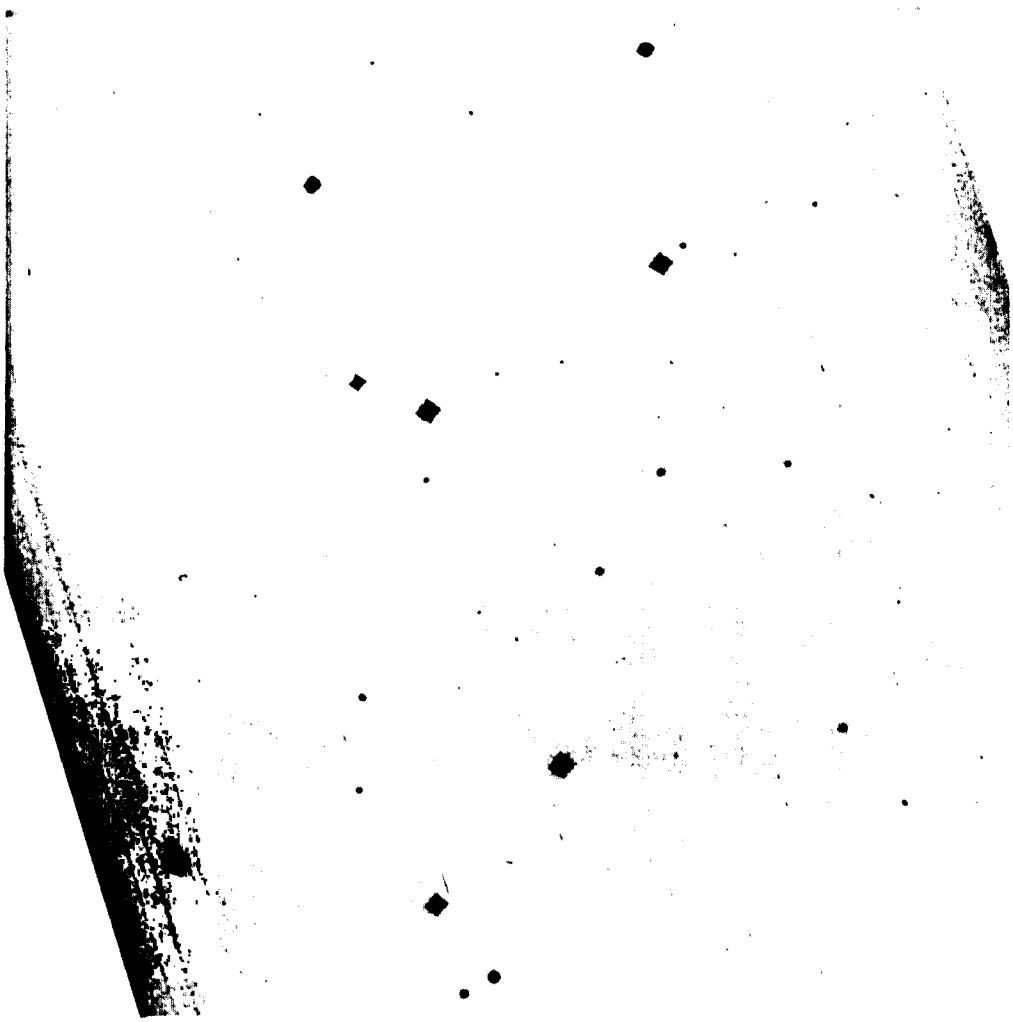

Fig 11b — S201 starfield photograph (Fornax), frame A192 (ICa, 3-min exposure)

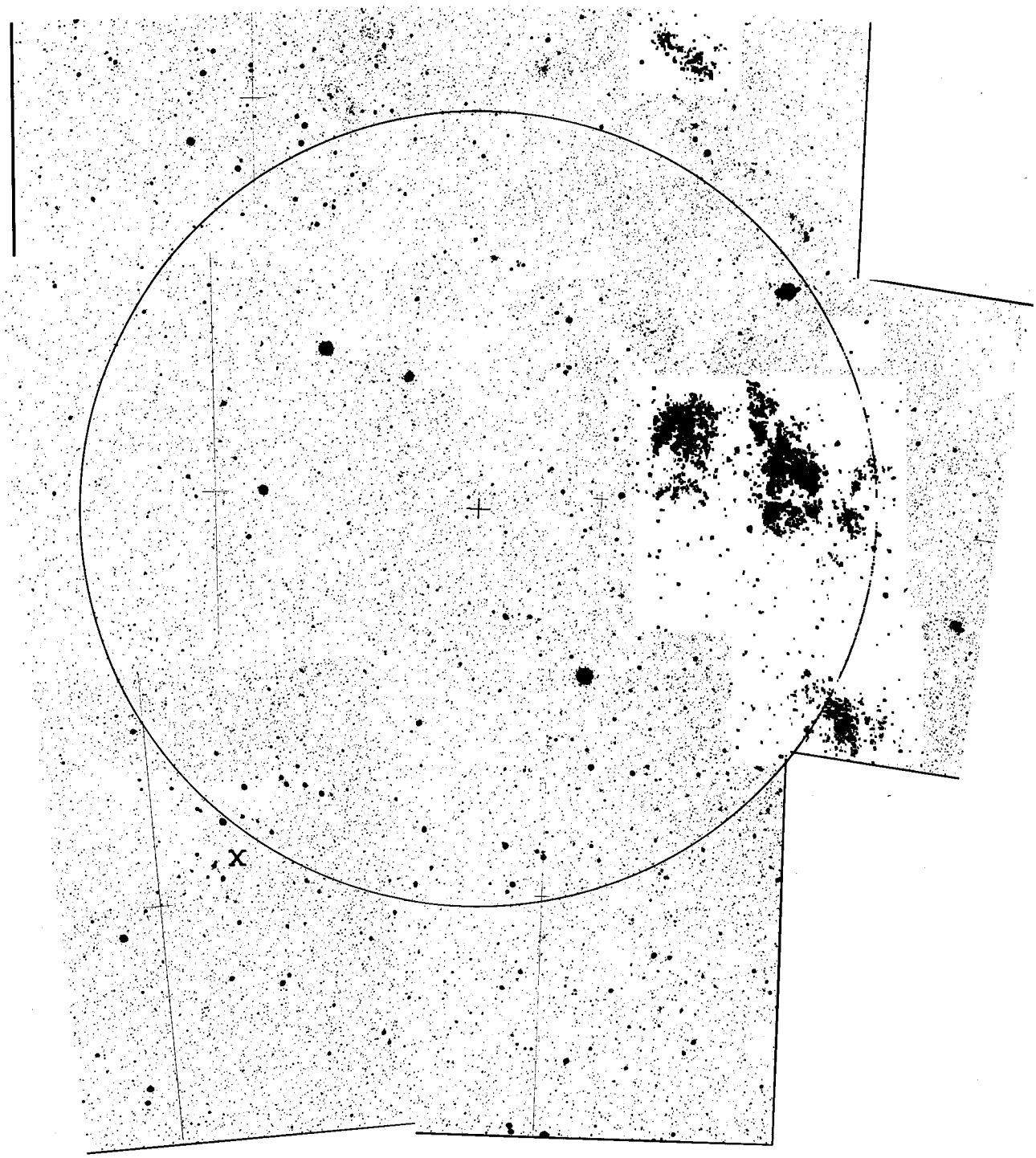

Fig. 12a — Preselected target field (Sagittarius). The approximate area covered by the S201 pointing is shown by the circle.

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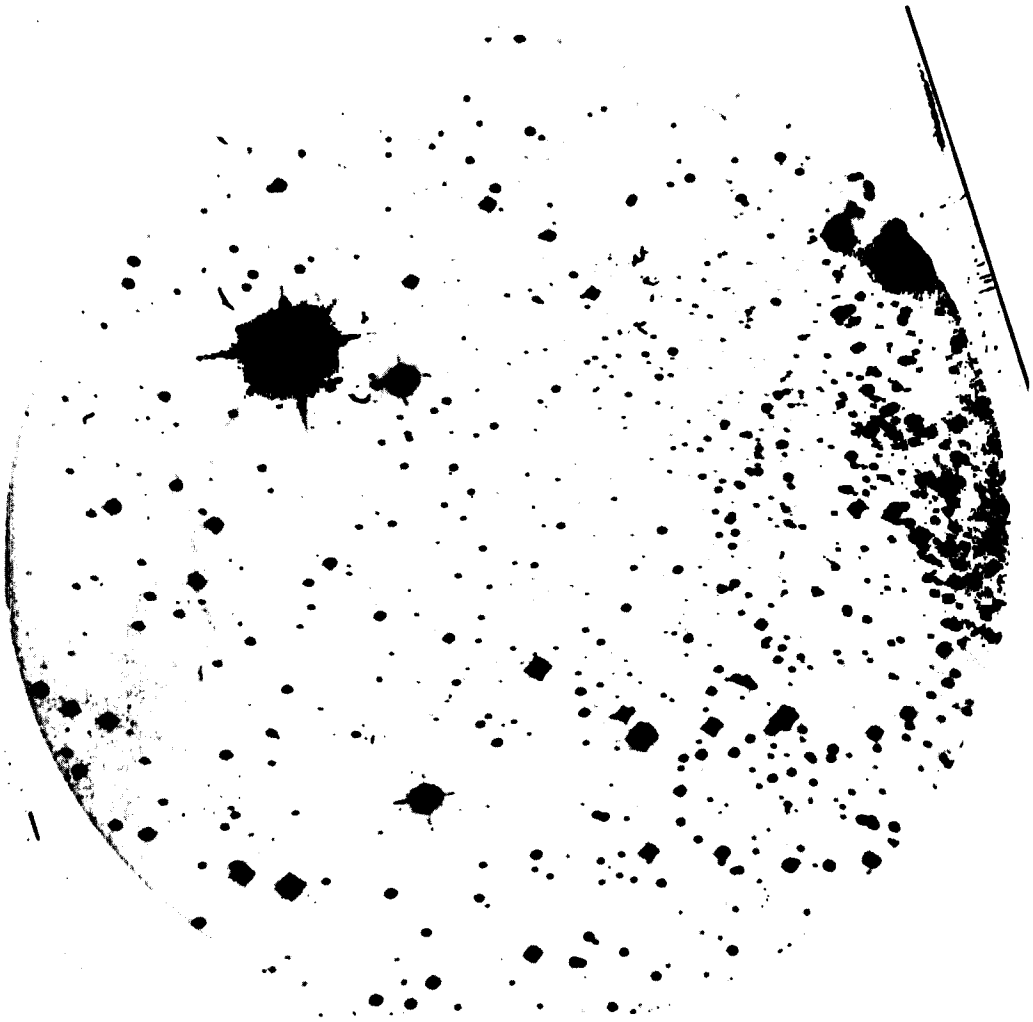

Fig. 12b — S201 starfield photograph (Sagittarius), frame A203 (ICa, 10-min exposure)

Table 1 — Apollo Frames Scanned and Measured

In this table, α_0 and δ_0 are coordinates of the scan center, at $x = 512$, $y = 512$ rasters; θ_0 is the position angle of the $-y$ scan axis projected on the sky; "Stand Stars" is the number of α, δ and x, y inputs to the COORDINATE TRANSFORMATION program; σ is the larger of rms x residuals or y residuals, given in rasters, "No. of Images" is the number of starlike images of four or more pixels located by the STAR DETECTION program; "BG Range" is the range of the background density in units of 0.01D; "SAO Stars" is the number of star images within 5 arc-min of stars listed in the Smithsonian Astrophysical Observatory catalog (1966); and "NOs" (non-SAO objects) is the number of starlike images detected on two or more frames which are more than 10 arc-min from any star in the SAO catalog. Except for the three entries footnoted, the local background was the average of five surrounding pixels. The totals for each field list the number of SAO stars and of NOs in parentheses.

Frame	Exp (min)	Filter	α_0 (deg)	δ_0 (deg)	θ_0 (deg)	Stand Stars	σ	No. of Images	BG Range	SAO Stars	NOs (Objects)
Cygnus (loop nebula)											
A21	1/4	Li	320.97	+37.57	+05.97	19	1.7	36	22-30	32	0
22	1	Li	321.15	+37.47	+06.09	23	1.9	130	60-70	103	3
23	3	Li	321.03	+37.51	+06.22	22	1.9	243	104-143	182	15
26	3	Ca	319.66	+37.58	+04.94	23	2.4	197	14-20	166	4
27	10	Ca	321.12	+37.42	+05.68	23	2.0	444	18-30	336	26
28	3.7	Ca	321.20	+37.55	+05.86	23	2.0	240	15-28	212	9
Total								1290		(419)	(31)
Capricorn (earth centered)											
A40	1	Li	318.73	−14.43	−31.33	6	1.9	31	75-292	17	1
41	3	Li	318.71	−14.36	−31.40	8	1.9	30	158-348	19	1
44	3	Ca	318.49	−14.47	−31.46	12	1.8	30	17-25	29	1
45	10	Ca	318.34	−14.70	−31.69	12	2.2	39	17-28	31	3
46	30	Ca	318.59	−14.63	−31.80	12	2.1	46	12-30	32	2
Total								176		(39)	(4)
Cetus (for NGC1068)											
A58	1	Li	41.76	−15.26	+85.41	3	0.4	6	33-40	3	1
59	3	Li	41.79	−15.24	+85.10	5	3.2	15	68-83	9	2
62	3	Ca	40.57	−14.09	+85.19	5	2.3	17	12-17	7	1
63	10	Ca	40.54	−14.09	+85.21	6	2.5	24	15-20	11	3
64	8.4	Ca	41.69	−14.03	+85.47	5	1.9	21	17-24	13	3
Total								83		(14)	(3)
Grus (for NGC55)											
A68	1	Li	353.12	−42.61	+153.87	6	2.7	12	48-63	7	1
69	3	Li	353.20	−42.64	+153.97	8	1.4	16	102-128	9	1
72	3	Ca	354.53	−42.09	+152.71	8	1.8	18	13-19	9	1
73	10	Ca	353.81	−42.43	+153.38	8	1.5	22	15-23	11	1
88	1	Li	358.11	−40.73	+153.59	3	3.3	9	43-59	3	0
92	3	Ca	358.40	−40.58	+153.47	6	2.4	22	10-22	9	1
93	10	Ca	358.70	−40.38	+153.36	6	2.3	20	16-26	10	2
94	30	Ca	358.48	−40.50	+153.91	6	2.0	31	17-27	10	2
Total								150		(22)	(2)

(Table continues.)

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Table 1 (Concluded) — Apollo Frames Scanned and Measured

Frame	Exp (min)	Filter	α_0 (deg)	δ_0 (deg)	θ_0 (deg)	Stand Stars	σ	No of Images	BG Range	SAO Stars	NOs (Objects)
					Pavo						
A117	1	Li	318.55	−52.23	+234.76	9	2.7	23	47-62	9	0
118	3	Li	318.51	−52.16	+235.02	10	3.0	29	106-136	11	2
121	3	Ca	318.86	−52.27	+234.79	10	1.8	34	14-28	12	2
Total								86		(17)	(3)
					Mensa (LMC included)						
A124	1	Li	87.44	−74.00	+85.86	10	1.4	67	57-90	16	13
125	3	Li	87.54	−74.03	+85.80	11	1.8	143	150-170	25	31
129	10	Ca	87.43	−74.03	+86.10	11	1.7	235	30-70	37	51
130	30	Ca	87.25	−74.04	+86.31	7	1.4	470	70-120	43	73
Total								915		(51)	(80)
					Norma (for NGC6300)						
A144	1	Li	260.80	−59.06	−70.30	15	1.5	138	70-100	88	11
145	3	Li	260.85	−59.09	−70.26	15	1.6	241	160-300	165	26
148	3	Ca	261.13	−59.06	−70.42	15	1.5	220	20-28	159	24
149	4.1	Ca	260.96	−59.08	−70.16	15	1.7	296	25-35	197	27
Total								895		(281)	(39)
					Aquarius (geocorona)						
A150	1/4	Li	344.26	−05.16	−03.40	5	1.5	8	30-49	8	0
151	1	Li	344.27	−05.06	−03.29	10	1.4	15	47-77	13	2
152	3	Li	344.30	−05.05	−03.40	11	1.4	29	130-380	22	4
155	3	Ca	344.29	−05.13	−03.21	11	2.0	23	13-22	21	2
156	10	Ca	344.46	−05.09	−03.11	11	1.8	32	16-24	26	4
157	30	Ca	344.66	−05.02	−03.23	11	1.7	38	15-35	27	4
171	1	Li	348.96	−03.31	−03.78	10	2.9	13	50-75	11	1
172	3	Li	348.99	−03.23	−03.77	9	1.7	23	105-360	17	3
175	3	Ca	352.26	−02.89	−04.39	9	2.3	16	13-29	14	1
176	10	Ca	349.04	−03.25	−03.84	10	2.9	25	14-25	23	3
177	30	Ca	349.21	−03.20	−03.87	10	2.9	29	13-39	25	4
Total								251		(34)	(7)
					Fornax						
A191	1	Li	55.38	−27.20	+107.07	6	1.0	15	30-53	13	0
192	3	Li	55.38	−27.19	+107.10	6	1.1	30	67-88†	20	2
195	3	Ca	55.75	−27.47	+106.93	6	1.6	31	14-20	16	1
196	0.3	Ca	55.75	−27.45	+106.92	6	1.1	9	14-20	9	0
Total								85		(23)	(2)
					Sagittarius (Milky Way)						
A198	1	Li	278.36	−30.40	−71.72	14	1.6	173	60-144	107	16
199	3	Li	278.33	−30.41	−71.75	14	2.0	791	210-300‡	596	43
201	0.5	Ca	278.0	−30.5	−72	7	—	44	22-37	44	0
202	3	Ca	278.46	−30.55	−71.78	14	1.4	280	15-30	206	8
203	10	Ca	278.58	−30.42	−71.93	15	1.9	565	30-70	375	56
204	30	Ca	278.77	−30.37	−72.00	12	1.8	644	50-120‡	383	58
Total								2497		(766)	(81)
Grand Total								6428		1666	252

†Average of ten pixels
‡Average of 20 pixels

background B. From these determinations the "density-volume" of the image, $V = \Sigma_N(D - B)$ can be derived. This program was described in detail in Appendix A of NRL Report 8173 (cited on the inside front cover). The density-volume is a measure of the total intensity of an image. When corrected for instrumental and microdensitometry effects, and when a calibration (based on preflight tests and/or observations of sources of known intensity) is applied, the density-volume leads to a measurement of the absolute UV brightness of the object imaged.

• The STAR PLOT program was based on a tape created from the SAO catalog tape provided by the Smithsonian Astrophysical Observatory, Cambridge, MA 02138. That catalog [11] lists 258,997 stars as faint as 10.5 visual magnitude (essentially complete to approximately the 9th magnitude) in all parts of the sky, together with spectral type, visual magnitude m_v, photographic magnitude m_p, right ascension α, declination δ (the latter two being 1950 coordinates), proper motions, and references. A new tape SAO CATALOG APOLLO was created, listing all SAO stars of O, B, and A types, F stars brighter than 4.5 visual magnitude, and other types brighter than 3.5 visual magnitude in regions covering the ten S201 target fields listed in Table 1. From this tape the STAR PLOT program created plots and lists of the SAO stars in fields accurately matching the S201 fields and using symbols whose sizes roughly represent far-UV magnitudes. These rough far-UV magnitudes were computed using the visual magnitudes and blackbody curves for the effective temperatures appropriate to the spectral classes and integrating the fluxes over the range 1050 to 1600 Å for the ILi frames and over the range 1250 to 1600 Å for the ICa frames. These plots were used to identify three to 23 star images on each frame with the brighter SAO stars. (A previous step had been the identification of three to five bright O-B stars by visual inspection and comparison with the Skalnate-Pleso charts [12].)

It was later found necessary to introduce a "distortion correction" (Δx and Δy as a function of x, y) to eliminate an S-shaped distortion produced by the nonuniform magnetic field in the S201 camera. This involved comparing the positions of detected images on isodensity contour plots with the plotted positions of over 150 SAO stars in two fields (Cygnus and Sagittarius), producing plots of resulting Δx and Δy, and smoothing the Δx, Δy matrix.

• The COORDINATE TRANSFORMATION program used the input of three or more identified star positions (x, y and α, δ) and the distortion matrix to convert all detected star positions on one frame from scan coordinates to celestial (1950) coordinates: right ascension (α) and declination (δ). The program derives the center-of-frame coordinates α_0, δ_0 and the angle θ_0 between the $-$y axis and the $+\delta$ axis (direction north) from the input positions by the method of least squares. The residuals for each input star were printed out and used to spot an occasional misidentified input star. The root-mean-square residuals in x and y were used to estimate position errors, typically within 3 arc-min. In Table 1, σ is the larger of the RMS residuals in rasters.

• The STAR IDENTIFICATION program was used to compare the coordinates of detected star-like images on each frame with SAO star coordinates on the SAO CATALOG APOLLO tape and print out a separate line for each star image and the SAO stars within 10 arc-min of that image position. These printouts, in the format of the final S201 catalog, were then edited, eliminating scan defects and correcting background (B) values inconsistent with the contour plots. The editing was done with the EXEC VIII Univac 1110 computer; a query (?) was added to doubtful SAO numbers, background values, and density-volume values, and H or L was added to density-volume values considered too high or too low (a factor of 2 above or below the mean) for the SAO spectral type and visual magnitude. The symbol NO (for non-SAO object) was inserted in the SAO-number column when two or more S201 frames recorded an image with no SAO star within 10 arc-min. The non-SAO objects (NOs) are listed in Table 2.

With use of the preceding computer programs, 6428 images were detected and measured on the S201 frames. These correspond to 1666 stars in the SAO Catalog and 283 NOs, as listed in Tables 1 and 2, together with 90 possible identifications in nine other catalogs. Some of the faint NOs may be spurious, but further work is under way by one of us (HMH) to complete these identifications.

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Table 2 — Positions and UV Magnitudes of Non-SAO Objects (NOs) and Possible Identifications

Entries in this table, which follows on the next five pages, are identified by the field and the object number used in the Revised S201 Catalog listing. The equatorial coordinates (RA and DEC) are for the epoch 1950 and are the measured positions listed in the Revised S201 Catalog. The apparent UV magnitude obtained with the lithium fluoride (m_L) and calcium fluoride (m_C) filters are unweighted averages computed from the number (indicated in parentheses) of above-threshold images detected by the star detection program. A series of hyphens indicates that no above-threshold images were detected through a given filter. If only one above-threshold image is detected, then existence of a below-threshold image is indicated in the REMARKS column. Possible identifications were obtained primarily through a search of the 1979 edition of the Catalog of Stellar Identifications (Strasbourg Observatory). Candidate identifications are indicated by SAO, HD, Durchmusterung, or other catalog numbers with alternate designations listed in the REMARKS column. A CODE has been assigned to describe the likelihood that the candidate object is the correct identification, with the sense of the code being as follows:

- 4 = early-type candidate star with a position difference less than 3 arc-min,
- 3 = early-type candidate star with a position difference between 3 and 5 arc-min,
- 2 = late-type candidate star with a position difference less than 5 arc-min *and* cataloged evidence of duplicity, and
- 1 = early-type candidate star with a position difference greater than 5 arc-min
- BLANK = no likely early-type candidate star.

The apparent blue (m_b) and visual (m_v) magnitudes are homogenized (F. Ochsenbein, Astron. Astrophys. Suppl. **15**, 215 (1974)). The letter V following the blue magnitude indicates variability, and D indicates duplicity. An asterisk following the apparent visual magnitude indicates lower precision (nonhomogenization). A one-dimensional spectral type (HD or pseudo-HD) is indicated under the column heading Sp. Photoelectric UBV photometry was obtained from B. Nicolet, Astron. Astrophys. Suppl. **34**, 1 (1978). Modern MK-spectral types were obtained from two sources. The first is based on a mergence of three spectral classification catalogs—C. Jascek, H. Conde, and A. de Sierra, ("Catalog of Steller Spectra Classified in the Morgan-Keenan System," Publ. La Plata Obs. **28** (1964); P.M. Kennedy, "MK Classification Extension," published by the Mount Stromlo Observatory, 1978; and M. Jascek, "Catalog of Selected Spectral Types in the MK System," CDS Information Bulletin **15**, 121). The second source is based on the first two volumes of the "Michigan Catalog of 2-Dimensional Spectral Types for the HD Stars," the first volume (1975) being by N. Houk and A.P. Cowley and the second volume (1978) being by N. Houk, with both volumes being published by the University of Michigan.

The position difference between the candidate star and the S201 object is given in minutes of time (for RA) and in minutes of arc (for DEC). This difference is in terms of the S201 position minus the candidate star position. The distance between the S201 position and the candidate star position (in arc-minutes) is indicated under the column heading Dist.

The REMARKS column includes alternate names for the candidate star and comments concerning the S201 image(s). Other less familiar catalog identifications are as follows:

- LS = "Luminous Stars of the Northern Milky Way" and "Luminous Stars of the Southern Milky Way," published from 1959 to 1971 by Hamburg-Bergedorf and Warner and Swasey Observatory;
- ADS = "New General Catalogue of Double Stars within 120 degrees of the North Pole," published in 1932 by R.G. Aitken, Carnegie Institution, Washington, D.C.;
- IDS = "Index Catalogue of Visual Double Stars," published in 1963 as Lick Observatory Publication 21.

There are 37 objects located in the LMC which are listed as NOs in the Revised S201 Catalog. These objects are not listed in Table 2. The reader is referred to Ref. 29 (*Revised Listing, S201 Far-UV Atlas of the Large Magellanic Cloud*) for information on these objects. Additional information on these LMC objects and all the objects listed in the following table is being prepared as a separate NRL Report.

(Table follows on pages 30 through 34.)

20. ABSTRACT (Continued)
images are less than about 3 arc-min. Correlations are given with star numbers in the Smithsonian Astrophysical Observatory catalog, and star images detected on two or more S201 frames which do not correspond to SAO stars are listed.

The Revised Catalog differs from the first edition (NRL Report 8173, 20 January 1978) in that the brightnesses of all detected objects have been placed on an absolute scale of UV magnitudes based on instrument preflight calibrations. These magnitudes are compared with expectations based on theoretical model atmospheres and with calibrated OAO-2 observations of stars in common. The text includes discussions of the data analysis procedures and discussions of some results for nonstellar objects of special interest. The Revised S201 Catalog is also available on a single reel of seven-track magnetic tape.

Table 2 — Positions and UV Magnitudes of Non-SAO Objects (NOs) and Possible identifications

OBJECT NUMBER	RA (1950)	DEC	UV-MAGNITUDE m_L	m_C	POSSIBLE IDENT.	CODE	m_b	m_v	Sp.	V	B-V	U-B	MK Spect.	Δ RA	Δ DEC	Dist	<----------REMARKS---------->
CYG 21	$20^h39^m\ 5^s$	$38^o\ 1'33''$	-------	7.73(1)													SECOND FAINT ICA IMAGE
CYG 107-111	20 46 55	35 53 9	7.16(2)	6.29(3)	BD +35 4277	4	9.3	*	B-	9.31	-0.08	-0.85	OB-CE	$0^m.10$	$-1'.3$	$1'.8$	=LS II +35 83
CYG 170	20 50 16	38 11 5	-------	8.63(1)													SECOND FAINT ICA IMAGE
CYG 205	20 52 11	36 49 17	-------	7.88(1)	BD +36 4308	4	9.9	9.4	B-	9.84	+0.03	-0.75	OB-CE	0.05	-0.5	0.8	=LS II +36 85/SECOND FAINT ICA IMAGE
CYG 302-303	20 56 40	30 50 0	-------	8.55(1)	LS II +30 36	3	10.6	*	B-				OB-	0.00	-5.0	5.0	SECOND FAINT ICA IMAGE
CYG 304	20 57 16	38 33 58	7.80(1)	-------													SECOND FAINT ICA IMAGE
CYG 311-314	20 57 28	31 57 19	8.40(1)	7.43(3)	BD +31 4300	4	9.5	9.6*	B5				OB-	0.02	-2.7	2.7	=LS II +32 28
CYG 356-359	21 0 44	41 6 18	8.61(1)	7.50(3)	HD 200528	4	8.4V	8.4*	A0					-0.05	1.1	1.2	=BD +40 4393/YZ CYG
CYG 404	21 3 54	39 18 49	-------	9.00(1)													SECOND FAINT ICA IMAGE
CYG 406-407	21 4 27	36 41 53	8.42(1)	8.47(1)													
CYG 465-467	21 7 6	40 3 18	8.58(1)	7.83(2)	HD 201544	4	9.2	9.8	A0					-0.02	0.5	0.5	=BD +39 4453/LS II +40 39 IS 8.8 ARC MIN AWAY
CYG 472	21 7 30	40 12 18	-------	8.75(1)	BD +39 4455	4	10.4	*	B-				OB-CE	0.07	1.1	1.3	=LS II +40 39/SECOND FAINT ICA IMAGE
CYG 483	21 7 50	36 27 26	-------	8.70(1)													SECOND FAINT ICA IMAGE
CYG 513-514	21 8 20	33 8 6	8.72(1)	7.94(1)													
CYG 538	21 9 10	34 7 47	-------	8.39(1)	SAO 71036	4	10.0	9.9*	A0					-0.06	0.8	1.2	=BD +33 4186/IDS 21071+3357 AB/SECOND FAINT ICA IMAGE
CYG 644	21 12 32	37 18 18	-------	8.77(1)													SECOND FAINT ICA IMAGE
CYG 654	21 13 25	38 18 18	-------	8.96(1)													SECOND FAINT ICA IMAGE
CYG 660	21 13 42	33 38 12	7.98(1)	-------													SECOND FAINT ICA IMAGE
CYG 674-676	21 15 0	34 1 28	8.26(1)	7.59(2)													
CYG 685	21 15 23	36 59 25	-------	9.00(1)													SECOND FAINT ICA IMAGE
CYG 736-737	21 16 45	38 53 4	9.15(1)	8.50(1)	HD 203097	2	9.2	8.8	F0					-0.21	-3.5	4.3	=BD +38 4442/ADS 14851 AB
CYG 761	21 18 13	44 48 7	-------	8.10(1)	HD 203341	4	9.0	9.0	A2					-0.07	-2.5	2.6	=BD +44 3778/SECOND FAINT ICA IMAGE
CYG 807-809	21 22 12	36 16 11	8.82(1)	7.54(2)	BD +35 4511	4	9.6	9.6	A0	9.61	0.00	-0.25		-0.10	-1.3	1.8	RNGC 7063 (OPEN CLUSTER) NEAR
					BD +35 4515	3	9.7	9.7	A0	9.73	-0.02	-0.36		-0.26	-0.8	3.3	RNGC 7063 (OPEN CLUSTER) NEAR
					HD 203921	3	8.9	8.9	A0	8.89	-0.02	-0.36	B9 III	0.02	3.5	3.5	=BD +35 4510/RNGC 7063 (OPEN CLUSTER) NEAR
CYG 815-819	21 22 57	34 37 39	7.89(2)	7.20(3)	BD +34 4408	4	9.7	9.8*	B5					-0.13	2.3	2.9	
CYG 876	21 27 26	46 55 40	-------	7.03(1)	BD +46 3336	4	10.2	10.4*	B2				OB1	-0.05	1.3	1.4	=LS III +46 60/SECOND FAINT ICA IMAGE/EDGE OF FIELD
					BD +46 3339	4	9.9	10.0*	B5					-0.23	-1.2	2.7	SECOND FAINT ICA IMAGE/EDGE OF FIELD
					LS III+46 61	4	11.0	*	B-				OB-	-0.17	-2.3	2.9	SECOND FAINT ICA IMAGE/EDGE OF FIELD
CYG 899	21 28 25	38 45 35	-------	8.53(1)	BD +38 4512	4	9.7	9.6*	A0					0.09	0.0	1.0	=IDS 21263+3832 AB/SECOND FAINT ICA IMAGE
CYG 901-902	21 28 46	37 9 1	7.66(2)	-------													
CYG 934-936	21 31 21	35 51 20	8.55(1)	7.89(2)													
CYG 937	21 31 32	45 23 18	8.41(1)	-------													SECOND FAINT ICA IMAGE
CYG 1078	21 43 5	29 18 31	-------	7.55(1)	BD +28 4177	3	9.6	9.8*	B0				B1 IV	0.27	-1.3	3.7	SECOND FAINT ICA IMAGE
CYG 1145	21 48 42	29 52 36	8.69(1)	-------													SECOND FAINT ICA IMAGE
CAP 21-22	20 54 50	-14 35 54	-------	8.91(2)	LS IV-14 116	4	12.6	*	B				OB	-0.05	1.5	1.7	
CAP 77-78	21 14 18	-7 37 21	7.67(2)	-------													
CAP 115-116	21 27 33	-19 35 40	-------	8.95(2)													
CAP 124-125	21 33 44	-19 29 41	-------	6.41(2)													
CET 15-17	2 32 19	-16 20 31	8.79(1)	8.34(2)	HD 16054	1	10.3	10.2	A0	10.24	+0.11	-0.19	A1 IV	0.37	0.2	5.3	=BD -16 462
CET 22-23	2 34 1	-9 5 22	-------	8.59(2)													
CET 37-41	2 50 47	-20 26 20	7.52(2)	7.37(3)													
GRU 75-76	23 31 14	-47 32 15	-------	8.45(2)													
GRU 104-110	23 41 45	-34 44 5	7.18(2)	6.78(5)	UVBY 9444	4	10.8	*	B					0.05	-1.1	1.3	IDENTIFICATION FROM ASTRON. ASTROPHYS. SUPPL. 22, 235.
PAV 48	21 31 32	-45 12 9	8.85(1)	-------													SECOND FAINT ILI IMAGE
PAV 61	21 42 13	-52 33 10	-------	7.49(1)													SECOND FAINT ICA IMAGE
PAV 84-85	22 11 55	-49 28 58	7.43(1)	7.26(1)													
MEN 2	3 26 8	-77 9 17	-------	9.47(1)													SECOND FAINT ICA IMAGE
MEN 4	3 33 5	-75 34 7	-------	9.21(1)	CPD-75 239	4	10.3	10.2	B8					-0.72	-1.0	2.9	SECOND FAINT ICA IMAGE
MEN 5-6	3 36 2	-79 27 46	-------	9.06(2)													
MEN 15	3 47 32	-77 53 0	-------	10.09(1)													SECOND FAINT ICA IMAGE
MEN 16-17	3 47 48	-77 28 48	-------	9.08(2)													
MEN 30	4 3 34	-78 12 37	-------	10.30(1)													SECOND FAINT ICA IMAGE
MEN 31	4 3 34	-77 32 11	-------	9.86(1)													SECOND FAINT ICA IMAGE
MEN 32	4 7 18	-77 35 37	-------	10.16(1)													SECOND FAINT ICA IMAGE
MEN 38	4 26 57	-80 35 37	-------	9.91(1)													SECOND FAINT ICA IMAGE
MEN 45-46	4 34 13	-80 10 36	-------	9.06(2)													
MEN 47	4 35 10	-82 24 50	-------	10.16(1)													SECOND FAINT ICA IMAGE
MEN 48	4 35 14	-79 56 16	-------	10.09(1)													SECOND FAINT ICA IMAGE

(Table continues.)

Table 2 — Positions and UV Magnitudes of Non-SAO Objects (NOs) and Possible identifications

OBJECT NUMBER	RA (1950)	DEC	UV-MAGNITUDE m_L	UV-MAGNITUDE m_C	POSSIBLE IDENT.	CODE	m_b	m_v	Sp.	V	B-V	U-B	MK Spect.	Δ RA	Δ DEC	Dist	<----------REMARKS---------->
MEN 51-52	4h35m41s	-80° 3'15"	-------	8.31(2)													
MEN 54-55	4 36 0	-74 31 20	-------	8.72(2)	HD 29955	3	9.0	8.9	A0				B9.5 V	0m44	-3'0	3'3	=CPD-75 147
MEN 57-58	4 37 1	-74 34 50	-------	9.13(2)													
MEN 62-63	4 40 24	-82 3 59	-------	9.37(2)													
MEN 160-161	4 59 8	-74 40 22	-------	8.63(2)													
MEN 238	5 7 37	-79 49 15	-------	9.40(1)	HD 34218	3	9.4	9.3	B9				B9.5/A0 V	0.45	-2.9	3.2	=CPD-79 168/SECOND FAINT ICA IMAGE
MEN 276-277	5 14 8	-77 16 21	-------	9.02(2)													
MEN 297	5 19 6	-75 17 24	-------	9.71(1)													SECOND FAINT ICA IMAGE
MEN 354	5 24 53	-77 35 41	7.77(1)	-------													SECOND FAINT IMAGE
MEN 370	5 26 50	-77 37 50	-------	5.51(1)													SECOND FAINT ICA IMAGE
MEN 452-454	5 33 6	-79 10 2	8.42(1)	9.67(2)													
MEN 463-464	5 33 50	-79 17 7	-------	9.47(2)													
MEN 468	5 34 9	-79 10 40	-------	9.67(1)													SECOND FAINT ICA IMAGE
MEN 566-568	5 47 42	-75 2 17	7.55(2)	10.09(1)													
MEN 604	5 56 29	-83 3 42	-------	9.54(1)													SECOND FAINT ICA IMAGE
MEN 618-620	6 3 50	-77 1 28	8.49(1)	9.62(2)	HD 42428	1	11.0	10.9*	A0				A3/5 IV/V	0.65	-4.8	5.3	=CPD-76 368
MEN 629-632	6 8 1	-78 6 47	7.77(2)	8.51(2)													
MEN 633-634	6 8 10	-65 14 13	-------	5.88(2)	HD 42804	3	9.7	9.7	A2				B7 III	0.46	1.9	3.5	=CPD-65 553
MEN 649	6 13 32	-68 11 27	-------	9.58(1)													SECOND FAINT ICA IMAGE
MEN 676-678	6 23 51	-66 34 50	8.47(1)	9.47(2)													
MEN 681-682	6 28 45	-71 59 32	-------	9.21(2)	HD 46630	4	8.5	8.4	A0				A0 V	0.26	-0.1	1.2	=CPD-71 446
MEN 684-685	6 28 49	-73 12 0	-------	8.91(2)	SAO 256305	4	9.4	9.3	A0				B8 V	0.51	-0.3	2.2	=HD 46668/CPD-73 382
MEN 692-694	6 30 57	-68 52 30	7.41(1)	6.98(2)	SAO 249573	4	7.7	7.8	B9				B9 V	0.18	2.1	2.3	=HD 46976/CPD-68 532
MEN 699-701	6 37 54	-70 52 26	7.38(1)	7.42(2)	SAO 256320	4	8.2	8.2	A0				B8/9 V	0.14	-0.1	0.7	=HD 48467/CPD-70 542
MEN 702	6 38 40	-75 53 35	-------	9.97(1)													SECOND FAINT ICA IMAGE
MEN 720-722	6 43 3	-68 11 0	7.71(1)	6.94(2)	HD 49339	3	8.8	8.8	B9				B5 V	0.43	2.0	3.1	=CPD-68 556
MEN 723-276	6 43 17	-65 36 56	6.31(2)	5.70(2)	HD 49193	1	8.7	8.6	B9				B2 V	1.02	4.5	7.8	=CPD-65 648/IDS 06421-6539 AB
MEN 727-728	6 43 32	-69 13 5	-------	8.15(2)	SAO 249634	4	8.9	8.8	B8				B8/9 VN	0.09	1.6	1.7	=HD 49531/CPD-69 652
MEN 729-731	6 44 7	-66 23 17	7.79(1)	6.38(2)	HD 49424	1	8.0	8.0	B9				B9 IV	0.88	3.6	6.4	=CPD-66 594
MEN 732-733	6 44 54	-67 36 21	-------	8.34(2)	SAO 249637	3	8.9	8.9	B9				B9.5 V	0.56	2.6	4.1	=HD 49692/CPD-67 650
MEN 737	6 49 26	-68 0 15	-------	7.90(1)													SECOND FAINT ICA IMAGE
MEN 740-741	6 51 21	-71 4 40	-------	7.98(2)													
MEN 759-762	6 55 56	-76 35 21	7.73(2)	7.46(2)													
MEN 763-764	6 56 51	-75 46 38	-------	7.96(2)													
MEN 766-767	6 58 13	-76 29 4	-------	8.87(2)													
MEN 768-770	6 58 26	-71 36 20	8.11(1)	8.51(2)	CPD-71 508	4	10.6	10.5*	B8					0.21	-0.9	1.4	
MEN 771-772	6 58 31	-69 17 5	-------	9.22(2)													
MEN 773-776	6 58 38	-72 51 2	6.98(2)	7.38(2)													
MEN 777-779	6 59 8	-73 22 32	7.39(1)	8.25(2)													
MEN 785	7 0 5	-76 22 24	-------	10.23(1)													
MEN 788-791	7 2 17	-76 24 48	7.63(2)	8.50(2)													
MEN 792-793	7 2 21	-76 29 45	-------	7.26(2)													
MEN 796-799	7 3 46	-76 27 50	7.50(2)	7.34(2)													
MEN 800	7 4 26	-76 20 23	-------	7.98(1)													SECOND FAINT ICA IMAGE
MEN 808-810	7 8 27	-72 40 33	7.89(1)	8.13(2)													
MEN 814-816	7 11 47	-76 43 55	8.34(1)	7.97(2)													
MEN 819	7 12 3	-77 38 0	-------	10.03(1)	HD 57556	1	10.5	9.9	A5				F0 V	-2.27	4.1	8.3	=CPD-77 301/SECOND FAINT ICA IMAGE
MEN 822-823	7 13 12	-68 19 9	-------	8.99(2)													
MEN 826	7 14 15	-77 1 47	-------	6.89(1)	HD 57923	1		*	A3				A3	-2.02	-4.2	8.0	SECOND FAINT ICA IMAGE
MEN 828	7 14 25	-77 6 48	-------	6.35(1)													
MEN 829-831	7 14 52	-77 0 17	8.54(1)	7.53(2)	HD 57923	1		*	A3				A3	-1.39	-2.7	5.5	
MEN 833-836	7 15 12	-77 3 5	7.41(2)	8.28(2)	HD 57923	1		*	A3				A3	-1.07	-5.5	6.6	
MEN 838-839	7 15 37	-77 39 43	-------	7.89(2)	HD 57697	4	9.7	9.6	B5	9.71	+0.01	-0.65	B3 III	0.69	0.6	2.3	=CPD-77 302
					HD 57556	3	10.5	9.9	A5				F0 V	1.31	2.3	4.8	=CPD-77 301
MEN 840-843	7 15 42	-77 29 57	7.34(2)	7.85(2)													
MEN 844-345	7 17 12	-77 35 39	7.98(1)	5.33(1)	HD 57697	1	9.7	9.6	B5	9.71	+0.01	-0.65	B3 III	2.27	4.8	8.7	=CPD-77 302
MEN 846-847	7 17 21	-76 59 50	-------	9.06(2)	HD 57923	3		*	A3				A3	1.10	-2.3	4.3	
MEN 851-853	7 19 0	-77 27 9	7.70(2)	6.54(1)													
MEN 854-855	7 20 3	-77 30 42	7.59(2)	-------													

(Table continues.)

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Table 2 — Positions and UV Magnitudes of Non-SAO Objects (NOs) and Possible identifications

OBJECT NUMBER	RA (1950) DEC	UV-MAGNITUDE m_L	UV-MAGNITUDE m_C	POSSIBLE IDENT.	CODE	m_b	m_v	Sp.	V	B-V	U-B	MK Spect.	ΔRA	ΔDEC	Dist	<----------REMARKS---------->
MEN 858	$7^h20^m57^s$ -77°35' 8"	8.56(1)														SECOND FAINT IMAGE
MEN 864-865	7 24 13 -70 40 55	-------	7.87(2)	HD 59426	4	8.4	8.4	B9				B9 V	-0.06	-0.5	0.6	=CPD-70 644
MEN 869-872	7 25 44 -70 22 34	7.66(2)	7.16(2)													
MEN 875-876	7 31 59 -75 42 50	7.58(2)	-------													
MEN 883-885	7 37 41 -76 29 55	8.35(1)	9.26(2)													
MEN 886-887	7 40 7 -70 18 0	-------	7.81(2)	SAO 256432	4	8.7	8.8	B9				B8 V	0.34	1.7	2.4	=HD 62688/CPD-70 673/IDS 07401-7013 AB
MEN 888-889	7 42 14 -72 28 15	-------	7.81(2)	SAO 256438	2	5.0	3.9	K0	3.95	+1.04	+0.83	K0 III	-0.22	0.9	1.3	=HD 63295/CPD-72 627/IDS 07430-7222 AB/ZETA VOL
MEN 891-892	7 43 32 -71 55 30	8.07(1)	10.47(1)													
MEN 896	7 45 9 -74 7 24	-------	9.76(1)	HD 63833	4	8.7	8.5	A0				A0 VN	0.44	0.5	1.9	=CPD-73 466/SECOND FAINT ICA IMAGE
MEN 910-911	8 3 34 -71 59 30	-------	8.10(2)													IMAGE AT EDGE OF FIELD
NOR 5-7	16 14 22 -64 23 34	7.61(1)	6.87(2)	HD 146226	3	8.1	8.0	A0				A1 V	-0.25	3.4	3.8	=CPD-64 3438/IDS 16100-6419 AB/IMAGE AT EDGE OF FIELD
NOR 8-9	16 14 23 -64 30 0	7.67(1)	7.68(1)	HD 146226	3	8.1	8.0	A0				A1 V	-0.23	-3.0	3.4	=CPD-64 3438/IDS 16100-6419 AB/EDGE OF FIELD
				SAO 253500	1	6.7	6.7	A0	6.71	0.00		B9/9.5 V	-0.94	1.7	6.4	=HD 146349/CPD-64 3442/IDS 16107-6424 AB/EDGE OF FIELD
NOR 105-107	16 24 29 -64 56 45	6.55(1)	6.26(2)	HD 147949	4	9.4	9.4	A0				A1/2 IV	0.09	-0.5	0.8	=CPD-64 3491
NOR 130-133	16 29 11 -65 54 59	5.44(2)	5.13(2)	SAO 253607	4	7.3	7.3	B3	7.35	-0.08	-0.53		-0.64	-0.4	3.9	=HD 148740/CPD-65 3324
				HD 148524	1	9.8	9.6	A0				A3P	0.88	-4.6	7.1	=CPD-65 3319
NOR 164-166	16 34 25 -57 22 29	7.05(1)	7.01(2)	SAO 244010	2	9.5	8.8	G5				K0 V	0.10	-0.3	0.9	=HD 149499/CPD-57 8088/IDS 16301-5716 AB
NOR 264-265	16 44 16 -56 44 45	-------	7.81(2)													
NOR 299-300	16 47 55 -57 9 18	7.41(2)	-------	SAO 244209	2	9.5V	9.0	F0				F0 V	-0.05	1.4	1.4	=HD 151697/CPD-57 8150/V0610 ARA
NOR 305-306	16 48 45 -57 10 25	-------	6.69(2)													
NOR 461-462	17 4 51 -53 56 22	-------	7.62(2)													
NOR 463-464	17 4 52 -54 26 0	7.76(2)	-------													
NOR 465-466	17 5 8 -53 32 7	7.73(2)	-------													
NOR 472-474	17 5 39 -54 27 9	7.80(1)	7.33(2)													
NOR 475-476	17 5 42 -53 34 24	-------	7.27(2)													
NOR 477	17 6 1 -53 4 41	8.13(1)	-------	CPD-53 8416	3	10.6	10.4*	A3					-0.22	4.1	4.6	SECOND FAINT IMAGE
NOR 478	17 6 6 -52 59 36	8.17(1)	-------													SECOND FAINT IMAGE
NOR 480-481	17 6 27 -54 28 25	-------	7.45(2)													
NOR 483-485	17 6 47 -53 6 51	7.68(1)	7.19(2)													
NOR 486-487	17 6 52 -53 2 46	-------	7.25(2)													
NOR 488-489	17 6 57 -53 13 28	7.44(2)	-------	CPD-53 8416	1	10.6	10.4*	A3					0.71	-4.7	8.0	SEE NOR 477
NOR 504-505	17 7 44 -54 39 19	8.03(2)	-------													
NOR 506-507	17 7 44 -53 14 54	-------	7.03(2)													
NOR 508-509	17 7 45 -53 6 46	-------	7.44(2)													
NOR 514-515	17 8 38 -54 39 55	-------	7.33(2)													
NOR 600-601	17 18 34 -67 55 47	8.53(1)	7.35(1)	SAO 253891	3	9.0	8.9	A0				B6 III	0.34	-2.9	3.5	=HD 156545/CPD-67 3312
NOR 610	17 19 7 -57 41 34	8.51(1)	-------													SECOND FAINT IMAGE
NOR 630	17 20 33 -56 47 24	-------	7.77(1)													SECOND FAINT ICA IMAGE
NOR 640-641	17 21 58 -55 53 1	8.59(1)	7.71(1)													
NOR 674-677	17 25 25 -66 51 17	5.18(2)	5.16(2)	HD 157772	4	7.3	7.2	B9				B7/8 III	0.15	-1.5	1.7	=CPD-66 3116
NOR 742-743	17 32 4 -68 56 0	-------	7.39(2)													IMAGE AT EDGE OF FIELD
NOR 746-747	17 35 3 -64 25 9	8.24(1)	7.98(1)	CPD-64 3654	4	10.1	10.1	B5					0.00	-1.3	1.3	
NOR 757-760	17 39 23 -64 51 18	7.27(2)	6.79(2)	HD 160360	4	8.8	8.8	A0				B5 V	0.09	-2.3	2.4	=CPD-64 3660
NOR 765-767	17 41 10 -54 7 17	7.66(1)	7.24(2)	HD 160818	4	7.5	7.6	A0				AP	0.22	-0.5	2.0	=CPD-54 8468/IDS 17369-5406 AB/HM ARA VARIABLE IS NEAR
NOR 768-769	17 41 55 -61 57 38	7.19(2)	-------	CPD-61 6027	4	11.0	10.7*	A8					0.07	2.8	2.9	
NOR 771-772	17 42 52 -61 57 26	-------	6.68(2)	CPD-61 6027	1	11.0	10.7*	A8					1.02	3.0	7.8	SEE NOR 768-769
NOR 777-780	17 43 15 -66 12 54	6.73(2)	6.33(2)	SAO 254034	4	7.8	7.9	B9				B8 III	0.23	-1.7	2.2	=HD 161013/CPD-66 3136
NOR 781-783	17 43 25 -65 34 39	7.33(1)	6.63(2)	SAO 254037	4	7.9	7.9	A0				B8 VN	0.19	-1.5	1.9	=HD 161051/CPD-65 3487
NOR 830	17 58 2 -63 25 24	7.80(1)	-------													SECOND FAINT IMAGE
NOR 856	18 8 34 -64 59 0	8.07(1)	-------													SECOND FAINT IMAGE
NOR 857-860	18 10 35 -66 54 13	6.42(2)	6.08(2)	HD 166318	1	8.8	8.8	A0				A0 V	0.58	-4.4	5.6	=CPD-66 3281/IDS 18048-6650 AB
				SAO 254183	1	7.4	7.6	B8				B8 V	0.92	-4.5	7.0	=HD 166226/CPD-66 3280/IDS 18044-6650 AB
AQR 58-59	22 47 33 -13 43 29	-------	7.90(2)													
AQR 67-69	22 52 58 -7 15 38	-------	8.73(3)													
AQR 78-79	23 1 13 -5 16 15	7.53(2)	-------													
AQR 138-145	23 15 6 -6 45 55	7.98(2)	7.63(6)													
AQR 174-181	23 17 20 -5 27 55	7.64(3)	7.37(5)	GL 894.3	4	11.2	11.5	0	11.50	-0.30	-1.20		-0.07	-1.9	2.2	ID FROM GLIESE, W. (1969), CATALOGUE OF NEARBY STARS
AQR 200-201	23 19 52 -3 24 54	7.58(2)	-------													
AQR 234-235	23 26 22 0 14 34	8.85(1)	8.77(1)													

(Table continues.)

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OBJECT NUMBER	RA (1950) DEC	UV-MAGNITUDE m_L	UV-MAGNITUDE m_C	POSSIBLE IDENT.	CODE	m_b	m_v	Sp.	V	B-V	U-B	MK Spect.	Δ RA	Δ DEC	Dist	<----------REMARKS---------->
FOR 36	3h39m27s -28° 2'21"	8.46(1)	-------													SECOND FAINT IMAGE
FOR 71-72	3 59 15 -32 32 14	7.70(1)	7.04(1)													
SGR W 5-6	17 50 53 -30 12 35	-------	8.36(2)	HD 162801	4	9.8	10.3	B8					-0.02	1.3	1.3	=CD -30 14891
SGR W 12-13	17 51 31 -29 42 58	2.65(1)	8.55(1)	HD 316568	4	10.0	9.8	B2	9.76	+0.25	-0.62	B2 IV-VP,E	0.02	0.3	0.4	=CD -29 14172/BE* AS 253/LS 4475/PLATE BACKGROUND HIGH
				SAO 185925	4	9.2	9.2*	A7					-0.20	-2.5	3.6	=CD -29 14177/IDS 17485-2940 AB/PLATE BACKGROUND HIGH
				HD 316569	3	9.7	9.4	B3	9.37	+0.30	-0.49	B3 II	0.20	3.6	4.5	=CD -29 14168/LS 4474/PLATE BACKGROUND HIGH
SGR W 17	17 52 9 -31 55 17	6.25(1)	-------	SAO 209485	1	9.5	9.3	A0					-0.60	-5.1	9.2	=HD 163137/CD -31 14819/PLATE BACKGROUND HIGH
SGR W 83-85	17 54 27 -32 54 41	7.27(1)	7.92(2)	HD 318667	4	10.3	*	B5				OB-	-0.18	1.8	2.9	=CD -32 13556/LS 4505
				HD 163557	1	9.5	10.4	B9					-0.44	3.9	6.7	=CD -32 13558
SGR W 87	17 54 33 -34 25 57	-------	10.03(1)	HD 163601	1	9.2	10.0	B8					-0.57	0.6	7.0	=CD -34 12314
SGR W 114-116	17 55 27 -29 58 1	8.40(1)	8.57(2)													
SGR W 153-155	17 56 17 -30 16 58	6.70(1)	9.14(2)	SAO 209546	1	9.2	8.9	B9					0.73	2.3	9.8	=HD 163686/CD -30 15023
SGR W 203-204	17 58 11 -27 41 15	-------	6.40(2)	HD 164295	3	7.9	9.1	A0					-0.25	1.0	3.5	=CD -27 12258/ADS 10974 AB
SGR W 224-228	17 58 41 -27 33 44	4.78(2)	5.12(3)	HD 164404	3	7.5	8.5	B5					-0.25	-3.5	4.8	=CD -27 12272/ADS 10984 ABC
				HD 164295	1	7.9	9.1	A0					0.25	6.6	7.4	=CD -27 12258/ADS 10974 AB
SGR W 236	17 58 51 -29 24 56	6.71(1)	-------													
SGR W 242-243	17 59 7 -26 17 27	6.19(1)	7.84(1)													
SGR W 269-271	17 59 55 -29 58 47	8.32(1)	8.74(2)	HD 164655	3	10.5	11.4	A0					-0.38	-0.6	5.0	=CD -26 14408/RNGC 6522 (GLOBULAR CL.) 7.0 ARC MIN AWAY
SGR W 272-273	17 59 56 -28 8 0	6.63(1)	9.67(1)													
SGR W 305-307	18 0 39 -25 30 18	3.87(1)	6.94(2)	CD -25 12637	4	11.7	**	B-				OB-	0.12	1.5	2.1	=LS 4587
				HD 164795	3	9.5	10.4	A0					-0.13	2.8	3.3	=CD -25 12648
				HD 164817	3	9.6	10.6	B8					-0.24	-1.2	3.4	=CD -25 12650/ADS 11009 AB
SGR W 334	18 1 3 -34 22 56	-------	9.97(1)	HD 164886	1	10.0	10.2	B9					-0.47	1.2	5.9	=CD -34 12433/SECOND FAINT ICA IMAGE
SGR W 347	18 1 33 -28 14 14	6.66(1)	-------	HD 164910	3	10.9	11.6	A3					0.10	4.9	5.0	=CD -28 14095/SECOND FAINT IMAGE
				HD 164884	1	10.0	11.5	B8					0.20	-5.1	5.8	=CD -28 14094/SECOND FAINT IMAGE
SGR W 353	18 1 39 -25 36 26	-------	9.97(1)													SECOND FAINT ICA IMAGE
SGR W 364-365	18 1 52 -27 51 42	6.36(1)	7.52(1)	CD -27 12344	1	11.8	*	B+				OB+	0.47	-3.1	6.9	=LS 4614
SGR W 389-390	18 2 15 -27 54 39	6.82(1)	8.12(1)	HD 165136	3	10.3	11.4	A0					-0.30	-0.6	4.0	=CD -27 12378/RNGC 6540 (OPEN CL.) 12.5 ARC MIN AWAY
SGR W 396-397	18 2 17 -28 49 51	-------	8.47(2)	HD 165082	4	10.0	11.1	B8					0.02	0.2	0.3	=CD -28 14116
				HD 164974	1	10.6	11.0	A0					0.52	7.2	9.9	=CD -28 14108
SGR W 446-448	18 3 9 -27 47 8	6.45(1)	7.76(2)	HD 165304	3	10.7	11.6	B8					-0.20	-2.2	3.4	=CD -27 12398/RNGC 6540 (OPEN CLUSTER) 2.3 ARC MIN AWAY
				HD 165226	3	10.4	11.9	A0					0.20	2.9	3.9	=CD -27 12389/RNGC 6540 (OPEN CLUSTER) 2.3 ARC MIN AWAY
				HD 165346	1	10.3	11.1	A0					-0.40	5.8	7.9	=CD -27 12403/RNGC 6540 (OPEN CLUSTER) 2.3 ARC MIN AWAY
SGR W 456-457	18 3 22 -23 56 32	-------	6.15(2)	CD -23 13906	4	10.0	*	B-				OB-	-0.12	1.3	2.1	=LS 4654
SGR W 459-461	18 3 26 -26 42 27	7.87(1)	8.51(2)	HD 165382	3	10.1	10.3	B9					-0.28	2.5	4.5	=CD -26 12809
SGR W 465-466	18 3 28 -27 48 43	-------	8.98(2)	HD 165304	3	10.7	11.6	B8					0.11	-3.8	4.1	=CD -27 12398/RNGC 6540 (OPEN CL.) 6.8 ARC MIN AWAY
				HD 165346	3	10.3	11.1	A0					-0.08	4.2	4.4	=CD -27 12403/RNGC 6540 (OPEN CL.) 6.8 ARC MIN AWAY
				HD 165226	1	10.4	11.9	A0					0.52	1.3	7.0	=CD -27 12389/RNGC 6540 (OPEN CL.) 6.8 ARC MIN AWAY
SGR W 482-486	18 3 49 -26 6 25	5.73(2)	6.34(3)	HD 165424	4	9.3	9.6	B5					0.00	0.5	0.5	=CD -26 12812
				HD 165484	3	9.8	10.3	B8					-0.35	1.7	5.0	=CD -26 12819
				HD 165323	1	10.6	11.0	A0					0.42	-4.5	7.2	=CD -26 12805
SGR W 491-492	18 3 56 -31 50 39	6.74(2)	-------													
SGR W 526-528	18 4 50 -29 34 20	7.25(1)	8.72(2)	HD 165580	4	10.4	10.8	B8					0.15	0.5	2.0	=CD -29 14524
SGR W 548-550	18 5 13 -28 13 3	7.16(1)	9.54(2)	HD 165709	4	10.2	10.9	B8					-0.14	0.7	1.9	=CD -28 14181
SGR W 556-558	18 5 32 -26 30 27	6.29(2)	-------													
SGR W 610-611	18 6 34 -28 6 25	-------	8.88(2)	HD 165926	4	11.2	11.5	A2					0.22	0.3	2.9	=CD -28 14201
				HD 165897	1	11.6	11.7	A0					0.32	-5.7	7.1	=CD -28 14198
SGR W 648	18 6 47 -27 1 27	-------	9.81(1)	HD 166035	4	10.6	11.0	A0					-0.05	2.3	2.3	=CD -27 12494/SECOND FAINT ICA IMAGE
				HD 165976	1	10.2	10.9	B8					0.25	5.3	6.2	=CD -27 12483/SECOND FAINT ICA IMAGE
SGR W 664-665	18 7 9 -32 50 53	-------	8.22(2)	HD 166113	4	9.9	10.8	B8					-0.13	-1.2	2.1	=CD -32 13824
SGR W 699-700	18 8 4 -32 13 0	-------	8.74(2)	HD 166266	4	10.1	10.8	B9					0.10	-1.4	1.9	=CD -32 13844
SGR W 704	18 8 7 -23 46 45	7.04(1)	-------													SECOND FAINT IMAGE
SGR W 715-716	18 8 27 -29 6 43	-------	8.31(2)	HD 166396	4	9.9	10.6	B9					-0.03	0.9	1.0	=CD -29 14621
				HD 166422	4	10.2	11.1	B9					-0.13	-1.1	2.1	=CD -29 14628
SGR W 724-725	18 8 35 -31 16 52	-------	8.86(2)	HD 166448	4	9.8	10.3	A0					-0.15	-0.3	1.9	=CD -31 15229
				HD 166367	4	10.4	10.8	B9					0.15	-0.3	1.9	=CD -31 15222
SGR W 761-762	18 8 50 -27 24 46	-------	8.61(2)	HD 166530	3	10.0	10.9	B9					-0.20	1.7	3.2	=CD -27 12537
				HD 166395	1	10.6	11.4	B8					0.40	-0.2	5.3	=CD -27 12527/IDS 18053-2725 AB
SGR W 763-764	18 8 54 -23 50 23	-------	9.22(2)	HD 166503	4	9.5	9.6	B9					0.05	1.2	1.4	=CD -23 14051/ADS 11137 AB

(Table continues.)

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Table 2 (Concluded) — Positions and UV-Magnitudes of Non-SAO Objects (NOs) and Possible Identifications

OBJECT NUMBER	RA (1950)	DEC	UV-MAGNITUDE m_L	UV-MAGNITUDE m_C	POSSIBLE IDENT.	CODE	m_b	m_v	Sp.	V	B-V	U-B	MK Spect.	Δ RA	Δ DEC	Dist	REMARKS
SGR W 784-786	$18^h\ 9^m 25^s$	$-36°13'41''$	8.35(1)	9.33(2)	HD 166616	4	9.3	9.3	B9					$-0^m.21$	0'.3	2'.6	=CD -36 12334
SGR W 794-796	18 9 36	-31 35 27	7.53(1)	8.70(2)	HD 166633	4	10.0	10.3	B9					-0.05	-0.9	1.1	=CD -31 15249
SGR W 807	18 9 52	-29 48 16	-------	10.09(1)													
SGR W 908-910	18 11 35	-21 50 8	7.74(1)	9.08(2)	HD 167115	4	9.0	9.9	B8					-0.11	1.2	2.0	=BD -21 4919
SGR W 912,917	18 11 38	-22 49 49	7.27(2)	-------													
SGR W 925-926	18 11 55	-38 13 32	-------	8.31(2)	HD 167074	4	9.7	9.7	A0					-0.05	-0.5	0.8	=CD -38 12620
SGR W 972	18 12 49	-24 31 48	-------	9.03(1)													SECOND FAINT ICA IMAGE
SGR W 992	18 13 1	-23 28 58	-------	9.54(1)													SECOND FAINT ICA IMAGE
SGR W 1033-1035	18 13 52	-21 47 54	6.78(2)	9.97(1)	HD 167613	1	10.5	10.1	A0					-0.04	6.3	6.3	=BD -21 4933
SGR W 1124-1126	18 15 4	-26 8 38	7.49(1)	8.92(2)	HD 167866	4	9.9	11.5	A0					-0.03	2.4	2.5	=CD -26 13019
					HD 167751	1	10.1	11.1	A0					0.47	3.5	7.2	=CD -26 13010
SGR W 1140-1142	18 15 16	-34 26 54	7.64(1)	8.88(2)	HD 167911	3	9.6	10.4	A0					-0.25	0.2	3.1	=CD -34 12695
SGR W 1154	18 15 51	-23 31 47	7.57(1)	-------													SECOND FAINT IMAGE
SGR W 1168-1170	18 16 15	-25 41 7	6.90(1)	8.63(2)	HD 168140	4	9.8	10.9	A0					-0.05	1.9	2.0	=CD -25 13008
SGR W 1259-1262	18 18 3	-37 15 25	6.15(1)	6.27(3)	HD 168469	4	8.2	8.3	B9					0.00	0.9	0.9	=CD -37 12468/IDS 18147-3717 AB
					HD 168401	3	10.0	9.9	A0					0.32	2.7	4.7	=CD -37 12463
SGR W 1328-1329	18 19 26	-39 40 11	-------	9.02(2)	HD 168632	1	9.1	9.7	B9					0.35	-3.4	5.3	=CD -39 12520
					HD 168753	1	8.4	8.5	B9					-0.29	5.8	6.7	=CD -39 12532
SGR W 1341	18 19 55	-39 50 30	-------	7.96(1)	HD 168753	1	8.4	8.5	B9					0.20	-4.5	5.1	=CD -39 12532
SGR W 1348-1349	18 20 10	-39 48 26	-------	8.55(2)	HD 168753	1	8.4	8.5	B9					0.45	-2.4	5.7	=CD -39 12532
					HD 168945	1	10.2	10.2	B9					-0.58	-1.5	6.9	=CD -39 12555
SGR W 1389-1391	18 21 1	-26 8 17	7.00(1)	8.25(2)	HD 315643	4	10.1	*	B2				OB-	0.05	1.1	1.3	=CD -26 13111/LS 4996
SGR W 1403	18 21 13	-27 1 53	6.08(1)	-------	HD 169232	1	10.8	11.0	A0					-0.50	-5.3	8.5	=CD -26 13124/SECOND FAINT IMAGE
SGR E 10-11	18 21 33	-25 22 38	-------	9.10(2)	HD 169139	1	10.8	11.0	A					0.37	-4.0	6.4	=CD -25 13084
SGR E 16-17	18 21 46	-36 3 36	-------	8.35(2)													
SGR E 39-41	18 22 25	-25 54 5	7.31(1)	8.71(2)													
SGR E 79-80	18 23 27	-27 2 37	7.98(1)	8.73(1)													
SGR E 109-110	18 24 8	-26 5 9	-------	8.88(2)													
SGR E 171-172	18 26 15	-31 29 21	7.35(1)	9.58(1)	HD 170124	3		*	P4					0.31	1.9	4.5	PLANETARY NEBULA
					HD 170100	1	11.0	11.0	A0					0.41	-4.0	6.7	=CD -31 15575/IDS 18226-3127 AB
SGR E 187-190	18 26 20	-32 15 20	6.70(1)	7.57(3)	HD 170182	4	9.6	10.3	B8					0.09	0.0	1.1	=CD -32 14203
SGR E 218	18 27 17	-31 20 7	-------	9.47(1)	HD 170460	3	9.9	10.3	B9					-0.35	1.1	4.6	=CD -31 15613/SECOND FAINT ICA IMAGE
SGR E 459-460	18 35 40	-29 31 0	7.64(2)	-------													
SGR E 461-463	18 35 44	-32 0 47	-------	7.93(3)	HD 172001	4	10.3	9.9	B8					-0.12	-1.2	1.9	=CD -32 14356
SGR E 490-491	18 37 27	-29 55 51	-------	8.11(2)	HD 172318	4	9.9	10.3	A0					-0.12	0.4	1.6	=CD -30 16024
					HD 172258	4	8.4	8.6	A0					0.15	0.6	2.0	=CD -29 15211/ADS 11553 AB
SGR E 543-544	18 39 32	-30 26 52	-------	9.18(2)	HD 172700	4	9.9	10.3	B9					-0.17	-0.6	2.2	=CD -30 16089
SGR E 582-585	18 41 48	-39 46 37	6.40(1)	5.87(3)													
SGR E 607-608	18 42 34	-39 20 52	-------	8.56(2)													
SGR E 659-660	18 45 0	-33 16 33	-------	7.40(2)													
SGR E 695-697	18 48 30	-26 13 31	7.19(1)	6.39(2)													
SGR E 783-784	18 54 11	-29 16 35	-------	8.75(2)													
SGR E 818-820	18 55 45	-26 25 28	4.46(1)	6.88(2)													
SGR E 846-848	18 57 3	-26 27 46	6.72(2)	8.85(1)													
SGR E 905	19 0 1	-34 55 19	7.28(1)	-------													
SGR E 909	19 0 26	-37 0 21	6.17(1)	-------													
SGR E 1005-1006	19 8 24	-26 50 18	6.90(2)	-------													
SGR E 1009-1011	19 8 52	-27 38 57	7.59(2)	-------													
SGR E 1063-1066	19 12 38	-34 56 49	6.23(1)	6.19(3)	HD 179808	1	7.4	7.4	A0					0.54	-2.8	7.1	=CD -35 13331

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Mosaic Printouts

In addition to use of the computer programs discussed in the previous section, an alternate method of data analysis was to obtain printouts of the density D, with or without nonlinearity correction and with or without smoothing, at each position (x, y). This method, particularly when the unsmoothed data are used, provides the maximum information available from any graphical method of displaying the data; however, it is rather unwieldy except for examination of small areas of an image. It is particularly useful for accurate determinations of brightness distributions in star images and other images of small angular extent or when the maximum angular resolution must be retained.

As will be discussed later, if the approximate location of a faint object of interest is known, manual inspection of such mosaic printouts allows much more sensitive detection of objects, and more accurate measurements of the density-volumes, than is possible with the STAR DETECTION program (which does not detect images unless their densities are more than 0.2D above background).

Density-Volume Corrections

The density-volumes (V) as measured using the STAR DETECTION program require three corrections: at low V a quantity T must be added to correct for *truncation* of the images at 20 units (0.2D) above background B; a correction must be added for the *PDS lag* during the rise from B to the peak density P; and for $V > 500$ a quantity ΔD must be added to correct for the *nonlinear response* of the S201-camera-and-NTB-3-emulsion combination.

Figure 13 illustrates schematically the truncation correction T for images of different sizes. Many cross sections were drawn from mosaics of the smoothed scan data. The images were found to be nearly circular, roughly approximated by a right circular cone of volume $(N/3)(P - B)$. At $V \leqslant 400$ the full image radius was 3.5 rasters, and the measured V was $20N$ plus a rounded cap somewhat larger than a cone of volume $(N/3)(P - B - 20)$, as shown in Fig. 13a. This excess of cap over a cone is called $\Delta V = V - 20N - (N/3)(P - B - 20)$, and it was found that, on the average, $\Delta V = 0.13N(P - B - 20)$ for $80 < V < 800$, and $\Delta V = 100$ for $800 < V < 3000$. Then for the faint images the truncation correction is

$$T = \frac{\pi}{3}(3.5)^2(P - B) - (N/3)(P - B - 20) - 20N, \quad \text{for } V \leqslant 400, \tag{1}$$

and is relatively large (up to a factor of 3.6 at $V = 80$). (Images with $N < 4$, or $V < 80$, are not listed in the catalog, because most of them are noise.)

Measured values of V, N, and $P - B$ for 138 images on frames A26, A27, and A28 (ICa, low background) also show how images grow from $V = 80$ to V over 100,000 (in units of 0.01D times raster squared, where 1 raster = 33 μm). There is some scatter, but most of the values fall within 20% of the mean curves of N versus V and $(P - B)$ versus V (values from these curves being listed in the first three columns of Table 3).

The image cross sections show that for $V > 1000$ there is usually a wing or skirt extending several rasters beyond the measured image edge, as shown in Fig. 13d. This was fitted fairly well by extending a cone of height H beyond the measured image edge. Then the truncation correction is the volume of the H-cone rim, or

$$T = (N/3)H^3/(H - 20)^2 - (N/3)(H - 20) - 20N, \quad \text{for } V > 400. \tag{2}$$

Values of H obtained from cross sections were plotted against V, and values of the resulting smoothed relation are listed in Table 3. At low V, H is nearly equal to $P - B$. In the range $V = 1000$ to 15,000, H remains near 60, and $P - B$ climbs to 350. In the large overexposed images, H reapproaches $P - B$.

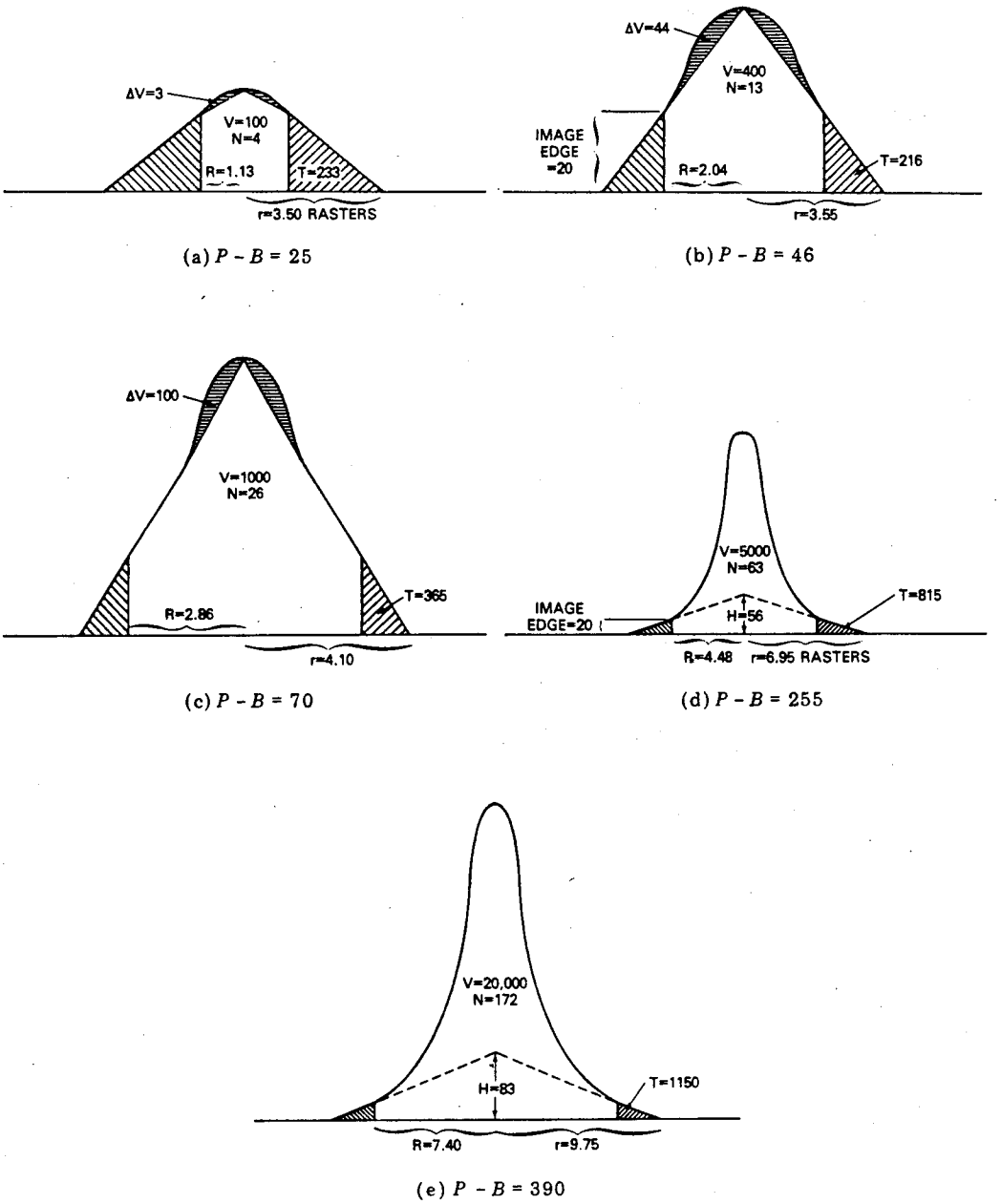

Fig. 13 — Correction to the measured density-volume for image truncation (due to the PDS scan speed and the emulsion/microdensitometer nonlinear response): (a) P − B = 25, (b) P − B = 46, (c) P − B = 70, (d) P − B = 255, and (e) P − B = 390

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Table 3 — Truncation Corrections* to S201 Density Volumes

V	N	$P - B$	H	T	$(V + T)/V$	Log $(V + T)/V$
80	3.5	22	25	210	3.62	0.559
100	4	25	27	233	3.33	0.522
150	6	30	31	244	2.63	0.420
200	7.5	34	34	250	2.25	0.353
300	10	40	40	245	1.82	0.260
400	13	46	46	242	1.605	0.206
500	15	49	49	245	1.51	0.180
600	17	54	52	265	1.44	0.160
700	20	58	53	295	1.42	0.152
800	22	62	53	320	1.40	0.147
900	24	64	54	345	1.385	0.142
1000	26	70	54	365	1.365	0.136
1200	28	78	54	395	1.33	0.125
1400	30	90	55	420	1.30	0.115
1600	32	105	55	440	1.275	0.106
1800	33	122	56	430	1.24	0.093
2000	34	140	56	420	1.21	0.084
2500	38	165	56	520	1.207	0.082
3000	44	190	56	580	1.19	0.077
4000	52	225	56	680	1.17	0.069
5000	63	255	56	800	1.16	0.066
6000	72	285	58	820	1.136	0.056
8000	87	315	64	910	1.113	0.047
10000	103	345	67	1000	1.100	0.042
12000	118	365	70	1100	1.090	0.038
15000	137	375	75	1120	1.074	0.032
20000	172	390	88	1150	1.053	0.024
25000	207	405	96	1200	1.048	0.021
30000	240	410	104	1200	1.040	0.018
40000	300	415	131	1200	1.030	0.014
50000	365	420	200	900	1.016	0.008
60000	430	425	311	600	1.010	0.004
80000	525	440	420	400	1.005	0.003
100000	715	455	455	100	1.001	0.000

*V = density volume of an identified star image in units of 0.01D square raster;
N = number of points (pixels) with density 20 (0.2D) above background B;
$P - B$ = peak density above background in units of 0.01D;
H = height of "wing cone" (see Figs 12d and 12e);
T = correction for truncation in the STAR DETECTION program.

Although uncertainties in H and T are fairly large, the ratio T/V drops off rapidly, as shown in Table 3, and the uncertainty in log $[(V + T)/V]$ for $V > 400$ is estimated to be less than 0.05 (less than 0.02 for $V > 20{,}000$).

The PDS lag correction $\Delta\Delta$ and the linearizing correction ΔD are listed in Table 4 as functions of $P - B$ and P respectively. The PDS lag correction $\Delta\Delta$ was obtained from a speed test on four star images of different peak densities. The linearizing correction ΔD was obtained by measuring uniform geocorona densities on three frames, A40, A41, and A42 (1-, 3-, and 10-min ILi exposures), and up to

Table 4 — Corrections to Peak Densities P for PDS Lag $\Delta\Delta$ and Linearization ΔD*

$P - B$	$\Delta\Delta$	P	ΔD
50	0	50	0
100	0	100	0
150	0	150	+10
200	+10	200	30
250	20	250	80
300	40	300	150
350	70	350	270
400	100	400	400
450	140	450	600
500	180	500	870

*P = Peak density of a star image;
B = local background density;
$\Delta\Delta$ = correction for lag in the PDS microdensitometer;
ΔD = correction for the nonlinear response of the S201 camera;
All densities are in units of 0.01D.

measured density $D_M = 350$ units (3.5D) is closely represented by the following expressions for linearized density D_L:

$$D_L = D_M + \exp[0.674(D_M - 130)^{0.39}], \quad \text{for } 350 > D_M > 130 \text{ units}, \tag{3a}$$

and

$$D_L = D_M, \quad \text{for } D_M \leqslant 130 \text{ units}. \tag{3b}$$

The corrections given by Eqs. (1), (2), and (3) have been applied to the image peak densities P as shown in Table 5, giving fully corrected density volumes V_c. Values of log (V_c/V) versus V are plotted in Fig. 14. The "normal" background $B \approx 50$, and the correction for nonlinear response is small for faint and medium star images. However on three frames (A41, A145, and A199) there is a high background: $B \approx 250$. This requires a nonlinearity and lag correction to measured V even for faint images, as shown in Tables 4 and 5. Since the high background is subtracted from the (higher) star-image densities, the correction is the *difference* between ΔD for density P and ΔD for density 250, as given in Table 5. This high-background correction cannot be given for $V > 5000$, where $P - B > 250$, and for $P > 500$, the upper limit to densities recorded by the PDS microdensitometer.

Table 5 — Correction Factor V_c/V_M Applied to Measured Density-Volumes V_M

			Correction Factor for Various Background Levels									
V_M	T	$\Delta\Delta$	$B = 0$	$B = 50$	$B = 100$	$B = 150$	$B = 200$	$B = 250$	$B = 300$	$B = 350$	$B = 400$	$B = 450$
80	210	0	3.63	3.63	3.63	4.18	5.42	7.69	11.00	15.77	22.80	32.00
200	250	0	2.25	2.25	2.26	2.87	4.05	6.07	9.05	13.35	19.65	27.95
500	245	0	1.49	1.49	1.52	2.12	3.17	4.89	7.42	11.15	16.39	23.48
1,000	365	0	1.36	1.37	1.45	2.12	3.16	4.81	7.23	10.78	15.62	22.17
2,000	420	0	1.21	1.35	1.73	2.41	3.43	4.98	7.20	10.21	14.46	19.56
5,000	800	21	1.42	1.80	2.49	3.83	5.28	7.35	10.05	13.48	18.45	24.00
10,000	1000	67	1.58	2.23	3.58	5.47	7.42	9.81	13.21	17.21	21.21	24.00
20,000	1150	94	1.76	2.57	4.02	6.08	7.90	10.65	13.80	17.01	29.76	—
50,000	900	116	1.85	2.69	4.20	6.15	8.00	10.65	13.33	15.65	—	—
100,000	100	144	2.14	3.17	4.97	7.16	9.56	12.08	14.51	—	—	—
200,000	0	170	3.2	5.2	8.0	—	—	—	—	—	—	—
600,000	0	200	5.2	9.2	14	—	—	—	—	—	—	—

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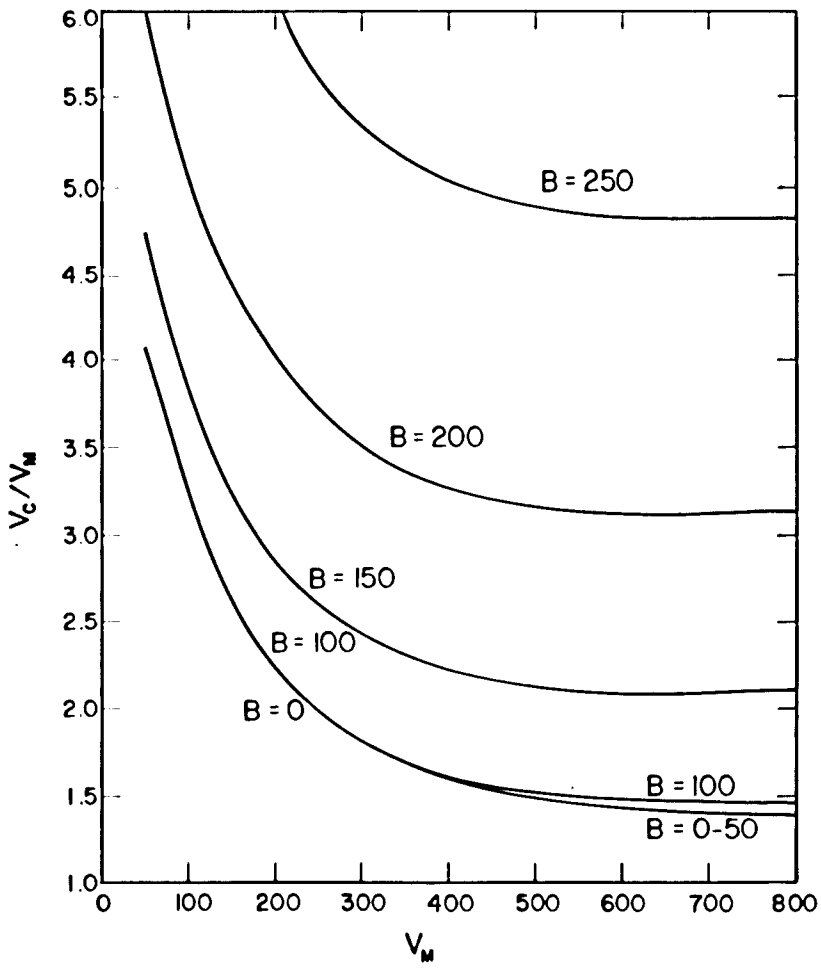

Fig. 14 — Correction factor V_c/V_m by which measured density-volumes V_M must be corrected for various values of background density B

The nonlinearity correction portion of the correction factor V_c/V_M is based on Eq. (3), which was derived for uniform densities rather than peaked star images, and on the assumption that star-image density-volumes are represented by the cone-cap-skirt model discussed. Detailed examination of density mosaics of several hundred star images revealed many deviations recorded as differences between density-volume/exposure (V_c/E) for different exposure times on the same star. Among probable causes of these deviations are differences in image size and shape with position in the camera field of view, trailing of the images due to lunar rotation (0.54 arc-min per minute at the lunar celestial equator), and overlapping images (flagged by D in column 16 of the Revised Catalog listing).

Density-volumes were summed on mosaics of D_L (density corrected for nonlinear response by Eq. (3)) to a level of 2 units (0.02D) above background, therefore requiring no truncation correction. Figure 15 is a plot of the ratio of the accurate, summed density-volume to the corrected computer density-volume V_c as a function of the measured (uncorrected) density-volume V_M. It shows that large density-volumes were overcorrected by the computer. The curve is the adopted correction to V_c: 0.70 for V_M greater than 3000, 0.80 for V_M between 1300 and 2250, and 1.0 for $V_M = 100$. (V_M is listed in column 16 of the Revised Catalog listing.)

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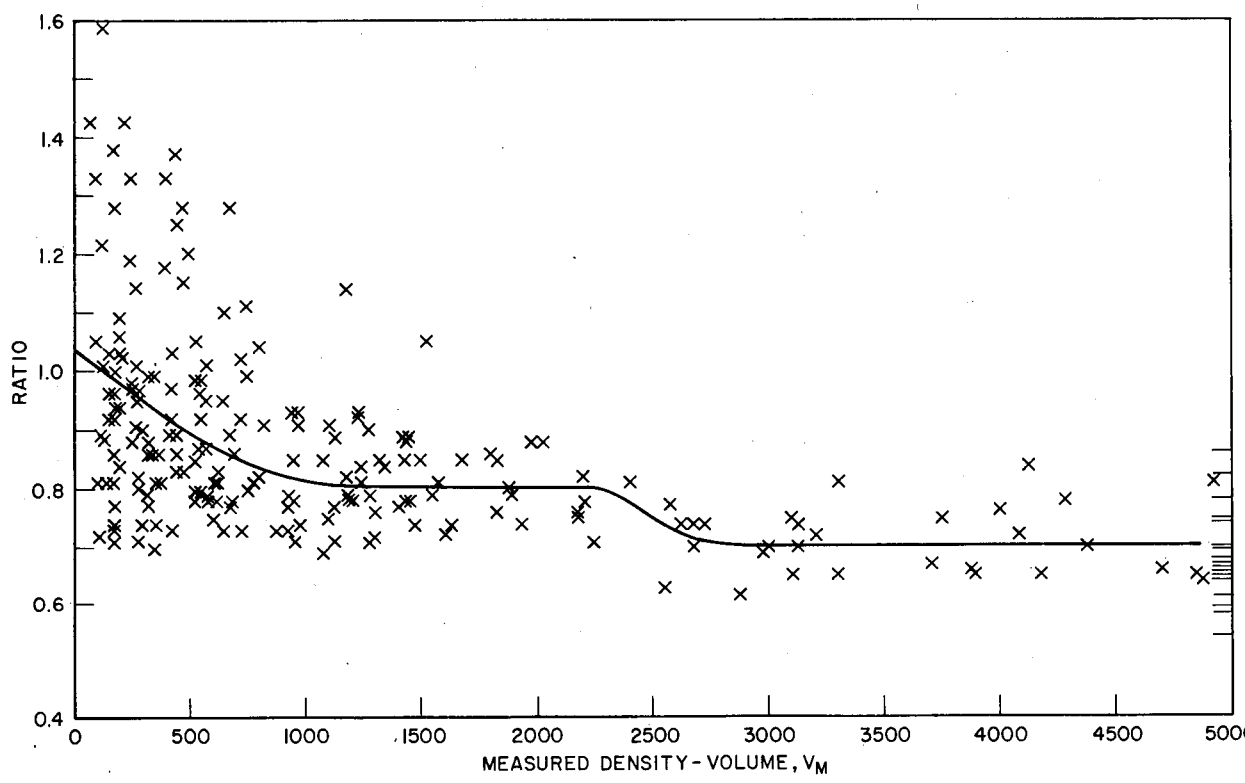

Fig. 15 — Correction factor to measured density-volumes of star images as a function of the average density in the image, derived by comparing different-exposure-time images of the same stars. The lines on the right margin indicate 17 points off scale at larger V_M.

Again, the combined corrections are not perfect, so the corrected V/E in column 17 of the Revised Catalog listing at the end of this document varies for different exposure times on the same star. However, these differences are smaller than for the uncorrected values, and the CORR. V/E entry is our best measure of the far-UV flux in the wavelength ranges 1050 to 1600 Å for ILi frames (LiF filter, abbreviated L in column 2) and 1250 to 1600 Å for ICa frames (CaF_2 filter, abbreviated C in column 2).

A computer program, MAGDEV, was written to print out deviations in the UV magnitude (column 18 in the Revised Catalog listing) wherever there were two or more L values or two or more C values for the same object, measured on separate frames, and to sum these to provide a mean deviation $\overline{\Delta m_L}$ or $\overline{\Delta m_C}$ for each field. Table 6 lists the range of exposure times, the numbers of objects with two or more m_L and two or more m_C values, and the mean deviations $\overline{\Delta m_L}$ and $\overline{\Delta m_C}$ after all corrections, including that in Fig. 15, were applied. As expected, $\overline{\Delta m_L}$ and $\overline{\Delta m_C}$ are larger for fields with the larger ranges in exposure times, and for the Sgr field, where there are many overlapping images. Excluding Sgr, the mean deviations for the other nine fields are $\overline{\Delta m_L} = \pm 0.163$ mag, and indication of the internal errors in the Revised S201 Catalog ultraviolet magnitudes.

Stellar Ultraviolet Magnitudes

To convert the corrected density-volumes of the star images into measures of the stellar absolute UV brightnesses, we must apply a calibration of the density-volume as a function of integrated photon flux. Here, we will consider a calibration based on the preflight measurements of the instrument's sensitivity as a function of wavelength, which measurements in turn were based on comparisons with laboratory standard detectors of known sensitivity [1].

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Table 6 — Magnitude Deviations in the Revised Catalog Listing

Field	Exposures (min)		No. of Deviations		Mean Deviation (mag)	
	ILi	ICa	ILi	ICa	$\overline{\Delta m_L}$	$\overline{\Delta m_C}$
Cygnus	0.25, 1, 3	3, 10, 3.7	290	665	0.152	0.071
Capricorn	1, 3	3, 10, 30	28	103	0.154	0.098
Cetus	1, 3	3, 10, 8.4	8	38	0.170	0.062
Grus	1, 1, 3	3, 3, 10, 10, 30	21	74	0.136	0.141
Pavo	1, 3	3	22	0	0.121	—
Mensa (less LMC)	1, 3	10, 30	62	164	0.157	0.097
Norma	1, 3	3, 4.1	250	429	0.179	0.060
Aquarius	0.25, 1, 1, 3, 3	3, 3, 10, 10, 30, 30	79	149	0.200	0.135
Fornax	1, 3	0.5, 3, 0.3	30	23	0.105	0.145
Sagittarius	1, 3	0.5, 3, 10, 30	332	1330	0.524	0.248
All fields			1122	2975	0.270	0.154
All, less Sagittarius			790	1645	0.163	0.082

For a monochromatic diffuse source the optical density of the image on the processed emulsion is given by $D = Ist$, where I is the monochromatic source density in kilorayleighs (1 kR $= 10^9/4\pi$ photons/cm^2-s-sterad), s is the diffuse-source sensitivity in density units per kilorayleigh-second, and t is the exposure time in seconds. (E or EXP is used in this catalog for exposure time in minutes.)

The sensitivity s is the product of the overall detection (quantum) efficiency η, the "blackening factor" b (density units/photoelectron per μm^2, at the emulsion), and a geometrical factor G depending on the focal ratio of the optical system: $G = 10^{-8}A/f^2$, where A is the effective aperture in cm^2 and f is the focal length in centimeters. Thus for a monochromatic diffuse source

$$D = \frac{10^9}{4} I\eta bGt = \psi_\lambda \eta_\lambda bGt, \tag{4}$$

where ψ_λ is the monochromatic diffuse flux expressed in photons/cm^2-s-sterad. For a nonmonochromatic diffuse source,

$$D = bGt \int \phi_\lambda \eta_\lambda \, d\lambda = bGt\phi_{\lambda\mathrm{eff}}\eta_{\lambda\mathrm{eff}}\Delta\lambda_{\mathrm{eff}}, \tag{5}$$

where ϕ_λ is in photons/cm^2-s-sterad-Å, λ_{eff} is the effective wavelength of the camera for a flat continuum ($\phi_{\lambda\mathrm{eff}} = \phi_\lambda =$ constant), and $\eta_{\lambda\mathrm{eff}}\Delta\lambda_{\mathrm{eff}}$ or $(\eta\Delta\lambda)_{\mathrm{eff}}$ is the area under the curve of efficiency versus wavelength (half of which falls on either side of λ_{eff}). The result is relatively insensitive to slight changes in the shape of the continuum distribution.

For a point source the number of photoelectrons recorded in the image is

$$n = At \int \Phi_\lambda \eta_\lambda \, d\lambda = At\Phi_{\lambda\mathrm{eff}}(\eta\Delta\lambda)_{\mathrm{eff}}. \tag{6}$$

where Φ_λ is the point-source photon flux (photons/cm^2-s-Å). The density distribution in the recorded image of course depends on the resolution and details of the image structure. However, if linearity of response is assumed, the total density-volume is independent of these details and is

$$V = \int D\, dA = \bar{D}A = b \int \frac{n}{A}\, dA = nb. \tag{7}$$

For the S201 camera at wavelength 1216 Å, preflight calibrations, confirmed by imagery of the hydrogen geocorona and the interplanetary Lyman-α background [2], yield a value $b = 0.4$D/photoelectron-μm^2. Hence the theoretical density-volume $V = 0.4n$, with area expressed in μm^2 and density as normally defined. However, with area expressed in number of pixels (33 μm square) and density in PDS units (100 times the optical density),

$$V = 0.037n. \tag{8}$$

Thus a star image resulting from 1000 photoelectrons will yield a density-volume $V = 37$. The photoelectron flux at the recording emulsion, $n/E = N_{pe}$, with E in minutes, is related to the photon flux (integrated over the camera bandpass) $\Phi_{\lambda\text{eff}}$ by

$$N_{pe} = 60A\Phi_{\lambda\text{eff}}(\eta\Delta\lambda)_{\text{eff}} = 27\,\frac{V}{E}. \tag{9}$$

In the following we will deal with the corrected density-volume divided by exposure time (V_c/E), as a measure of UV brightness. We may also convert the measured V_c/E values to UV magnitudes. Our magnitude system is set up in the same way as, and is compatible with, the OAO-2 system of UV magnitudes given by Code, Holm, and Bottemiller [13]. The OAO system is such that a source with a flat continuum energy distribution (energy flux F_λ constant with wavelength) has at each wavelength a magnitude equal to its visual magnitude (m_v, or m_{5500}); that is,

$$m_\lambda = \text{const.} - 2.512 \log F_\lambda = \text{const.} - 2.512 \log (5500\, \Phi_\lambda/\lambda). \tag{10}$$

Since the photoelectron flux $N_{pe} = 27\ V_c/E$ is proportional to $\Phi_{\lambda\text{eff}}$, our UV magnitudes may be expressed as

$$m_L = L - 2.512 \log (V_c/E)_L \tag{11a}$$

and

$$m_C = C - 2.512 \log (V_c/E)_C. \tag{11b}$$

The constants L and C were determined from the preflight calibrations of the instrument. Actual values of $(\eta\Delta\lambda)_{\text{eff}}$ were determined from the S201 response curve (Fig. 1) and weighted for a flat spectrum ($N_\lambda \propto \lambda/5500$):

$$\Phi_{\lambda\text{eff}}(\eta\Delta\lambda)_{\text{eff}} = 5.94, \text{ for the ILi mode } (\lambda_{\text{eff}} = 1300 \text{ Å}),$$
$$= 2.48, \text{ for the ICa mode } (\lambda_{\text{eff}} = 1400 \text{ Å}).$$

These values represent the photoelectron flux for a flat continuum with 1 photon/cm^2-s-Å at 5500 Å, per cm^2 of collecting aperture. For $m_v = 7.605$, the photon flux from a flat continuum source is

$$\Phi_\lambda = 1 \text{ photon/cm}^2\text{-s-Å}, \text{ at 5500 Å},$$
$$= 1300/5500 = 0.236, \text{ at 1300 Å},$$
$$= 1400/5500 = 0.255, \text{ at 1400 Å}.$$

The effective collecting area $A = 30$ cm^2 for the S201 camera. Therefore

$$N_{pe} = 45,300\, \Phi_{1300}, \text{ for ILi exposures},$$
$$= 17,506\, \Phi_{1400}, \text{ for ICa exposures}.$$

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By use of Eq. (8),

$$V_c/E = 0.037N_{pr} = 395, \text{ for a 7.6-magnitude star at 1300 Å,}$$
$$= 165, \text{ for a 7.6-magnitude star at 1400 Å.}$$

The constants in Eq. (11) are then

$$L = 7.605 + 2.512 \log 395 = 14.13$$

and

$$C = 7.605 + 2.512 \log 165 = 13.18.$$

Hence the final expressions for the S201 UV magnitudes are

$$m_L = 14.13 - 2.512 \log (V_c/E)_L \tag{12a}$$

and

$$m_C = 13.18 - 2.512 \log (V_c/E)_C. \tag{12b}$$

Figures 16 through 29 are plots of visual magnitudes versus UV magnitudes on ILi and ICa frames. The observed stars are grouped into seven SAO spectral type categories: O to B2, B3, B5, B8, B9, A0, and A2-A5. The plots include all images (on all exposures) taken in either the ILi or the ICa mode; hence a given SAO star is usually represented by more than one point on each plot. Within each group, there is a scatter of about 1 magnitude about the mean relationship of visual magnitude and UV magnitude. These deviations are probably due to:

- Uncertain identification of SAO stars (as indicated by symbols after the SAO number in the Catalog listing),
- Differences in interstellar extinction,
- Errors in SAO visual magnitudes and/or spectral types,
- Actual differences in far-ultraviolet flux from stars of a given spectral type or spectral-type range, and
- Errors in background (B) estimates.

The many negative deviations, indicated by L in the Catalog listing, could be due to large interstellar extinction, and the positive deviations (H) may be due to the stars' far-UV excess—both worthy of further study.

COMPARISON WITH STELLAR MODELS

To compare the measured far-ultraviolet fluxes with expectations (with more accuracy than used in the STARPLOT program), the response curve for the S201 camera (Fig. 1) was folded with model-atmosphere calculations by Kurucz, Peytremann, and Avrett (KPA) [14] and the "average" far-UV extinction curve of Bless and Savage [15].

Figure 30 shows plots of KPA model predictions of photon flux as a function of wavelength, normalized to the visual region (5500 Å), where a star of visual magnitude 7.6 yields a flux of 1 photon/cm^2-s-Å [16], and Fig. 31 shows the effects of varying degrees of interstellar reddening on the

(Continues on page 59.)

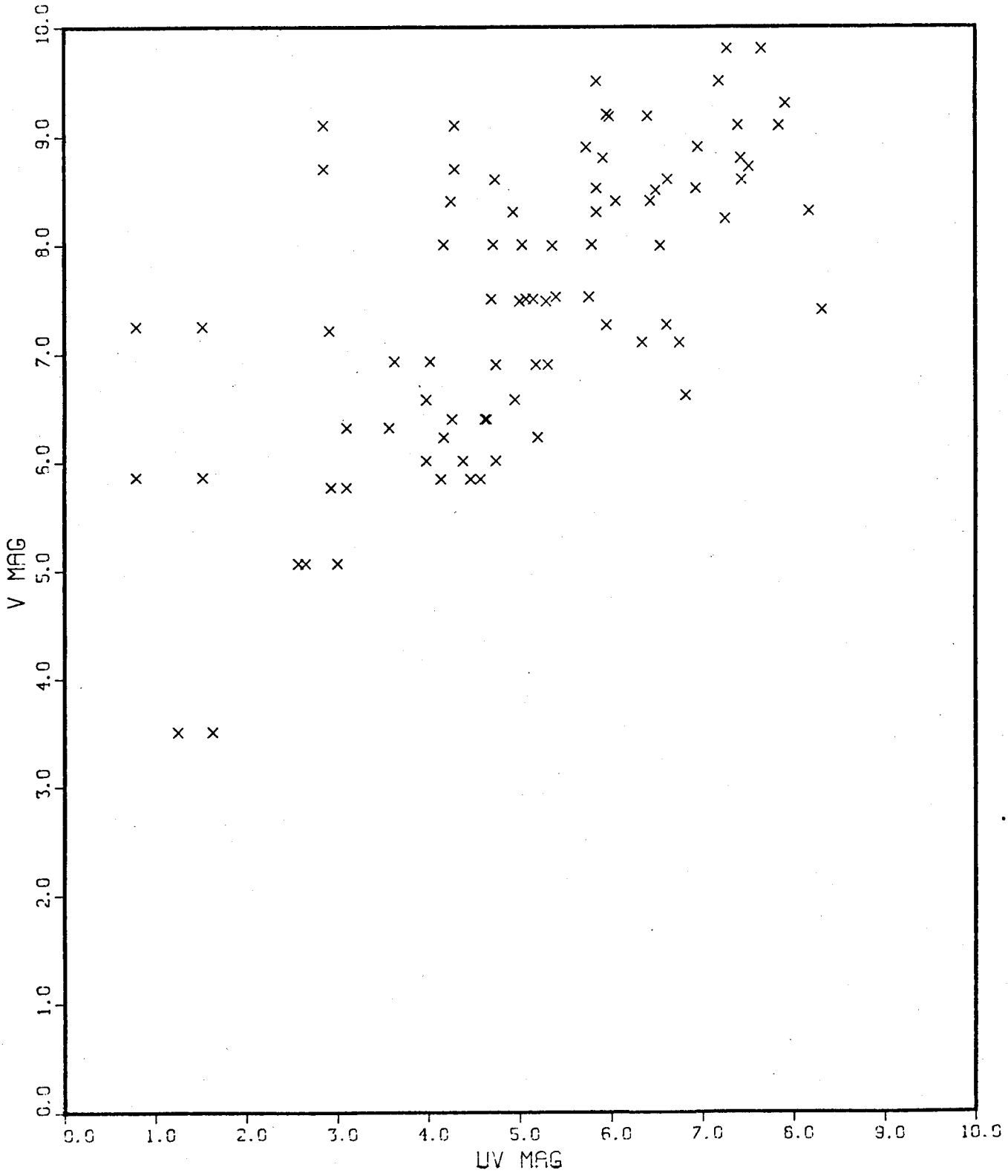

Fig. 16 — Ultraviolet magnitudes (ILi mode) in relation to SAO visual magnitudes for 85 star images having SAO classifications O through B2

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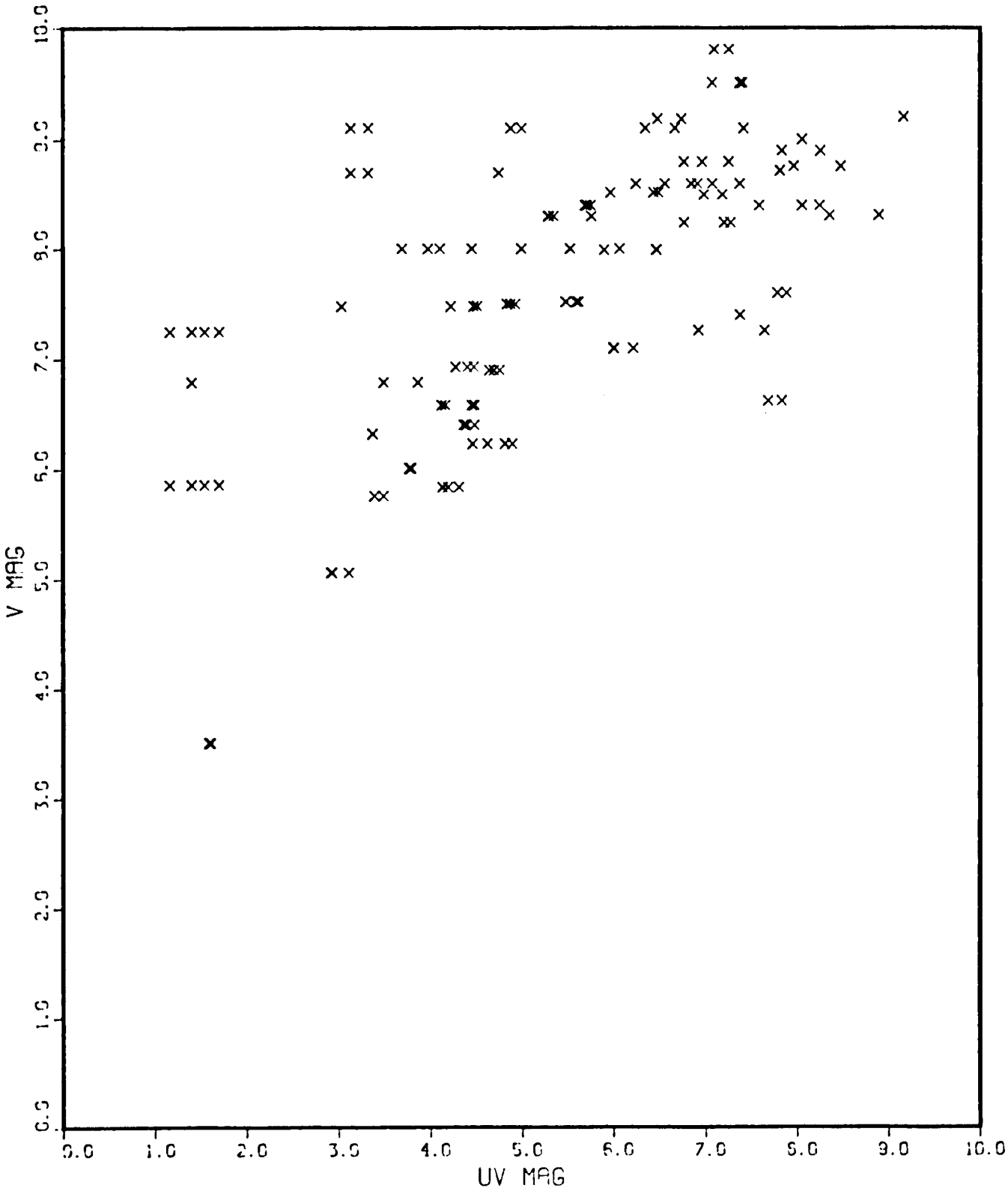

Fig. 17 — Ultraviolet magnitudes (ICa mode) in relation to SAO visual magnitudes for 129 star images having SAO classications O through B2

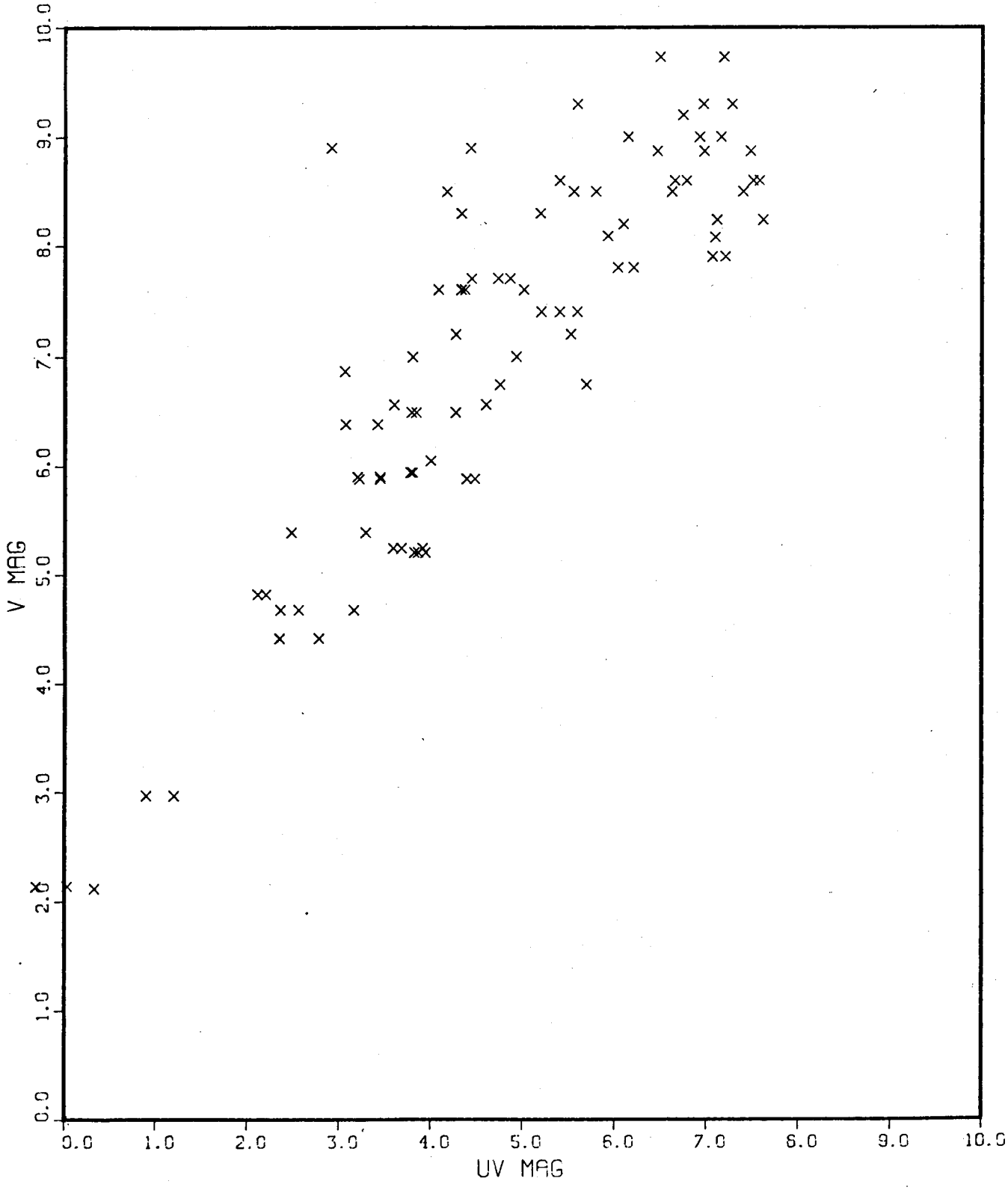

Fig. 18 — Ultraviolet magnitudes (ILi mode) in relation to SAO visual magnitudes for 91 star images having SAO classification B3

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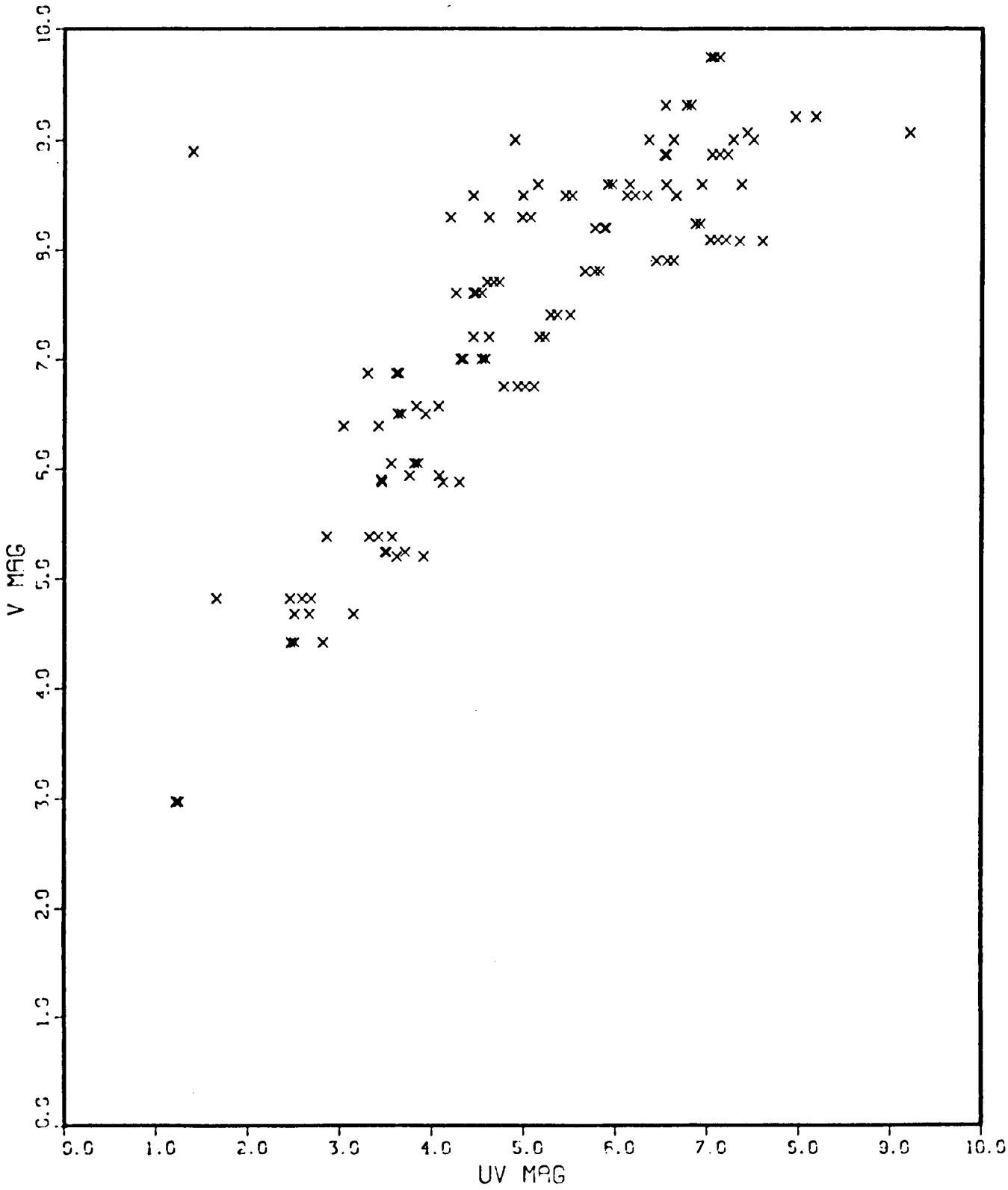

Fig. 19 — Ultraviolet magnitudes (ICa mode) in relation to SAO visual magnitudes for 125 images of stars having SAO classification B3

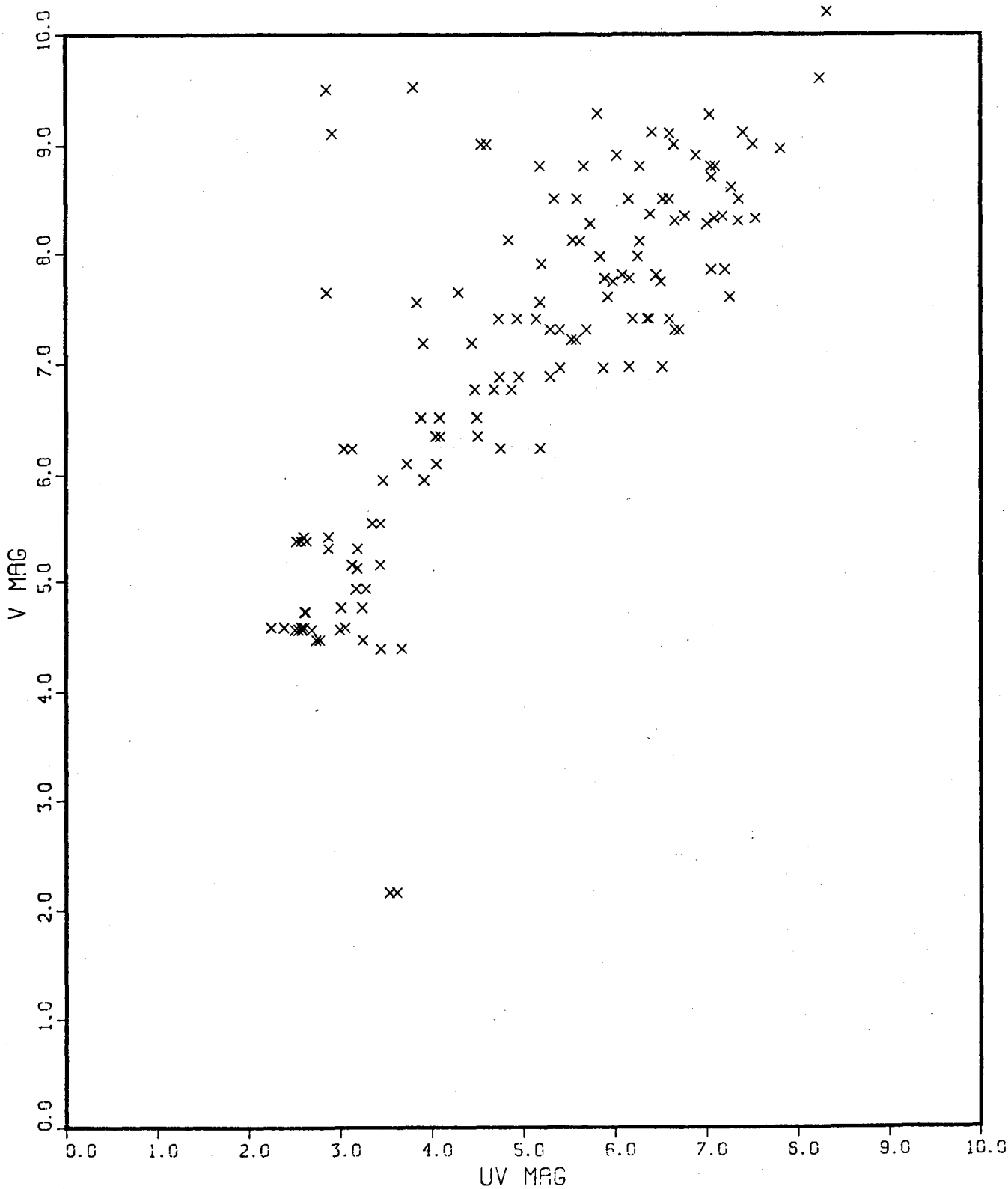

Fig. 20 — Ultraviolet magnitudes (ILi mode) in relation to SAO visual magnitudes for 136 images of stars having SAO classification B5

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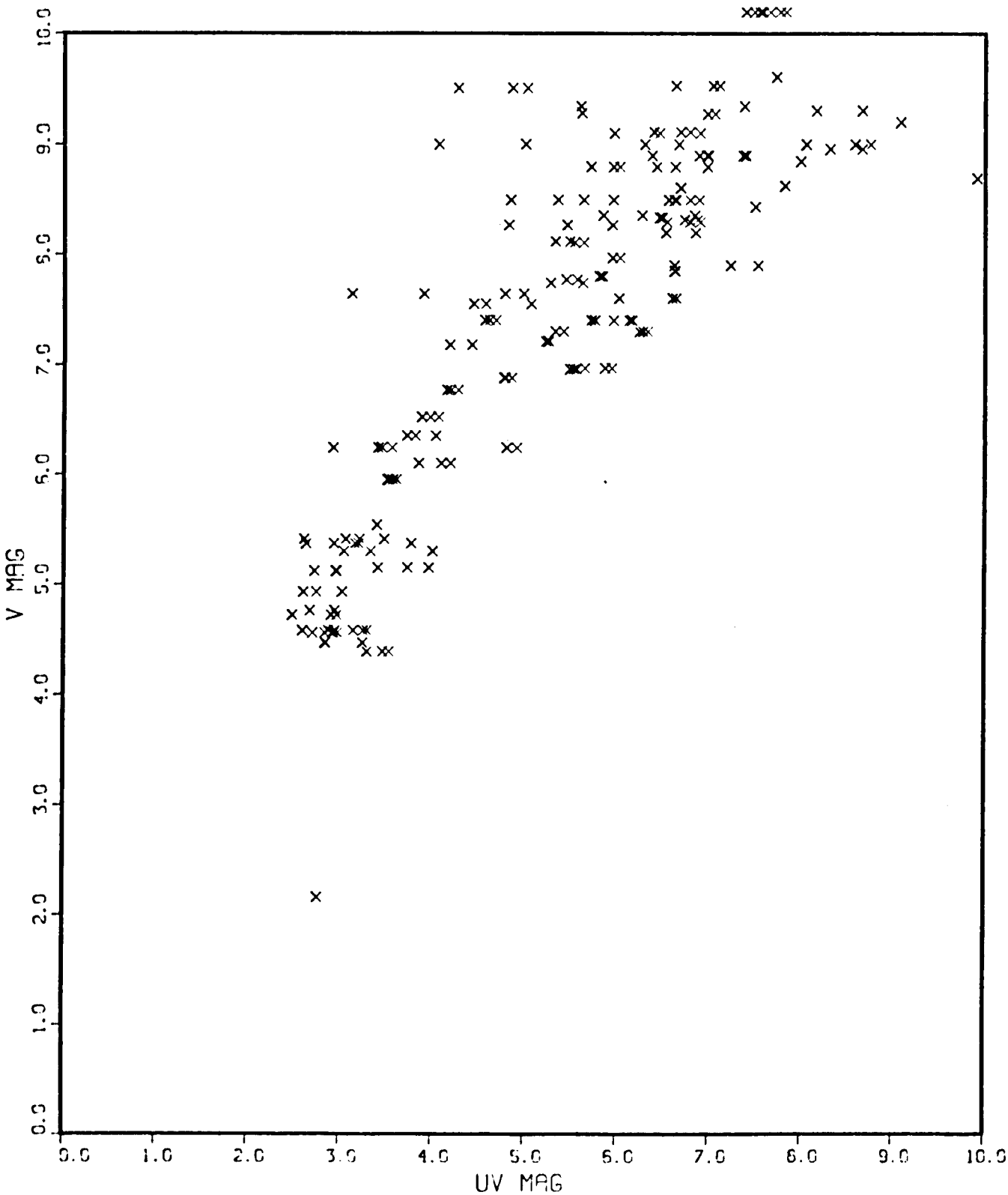

Fig. 21 — Ultraviolet magnitudes (ICa mode) in relation to SAO visual magnitudes for 206 star images having SAO classification B5

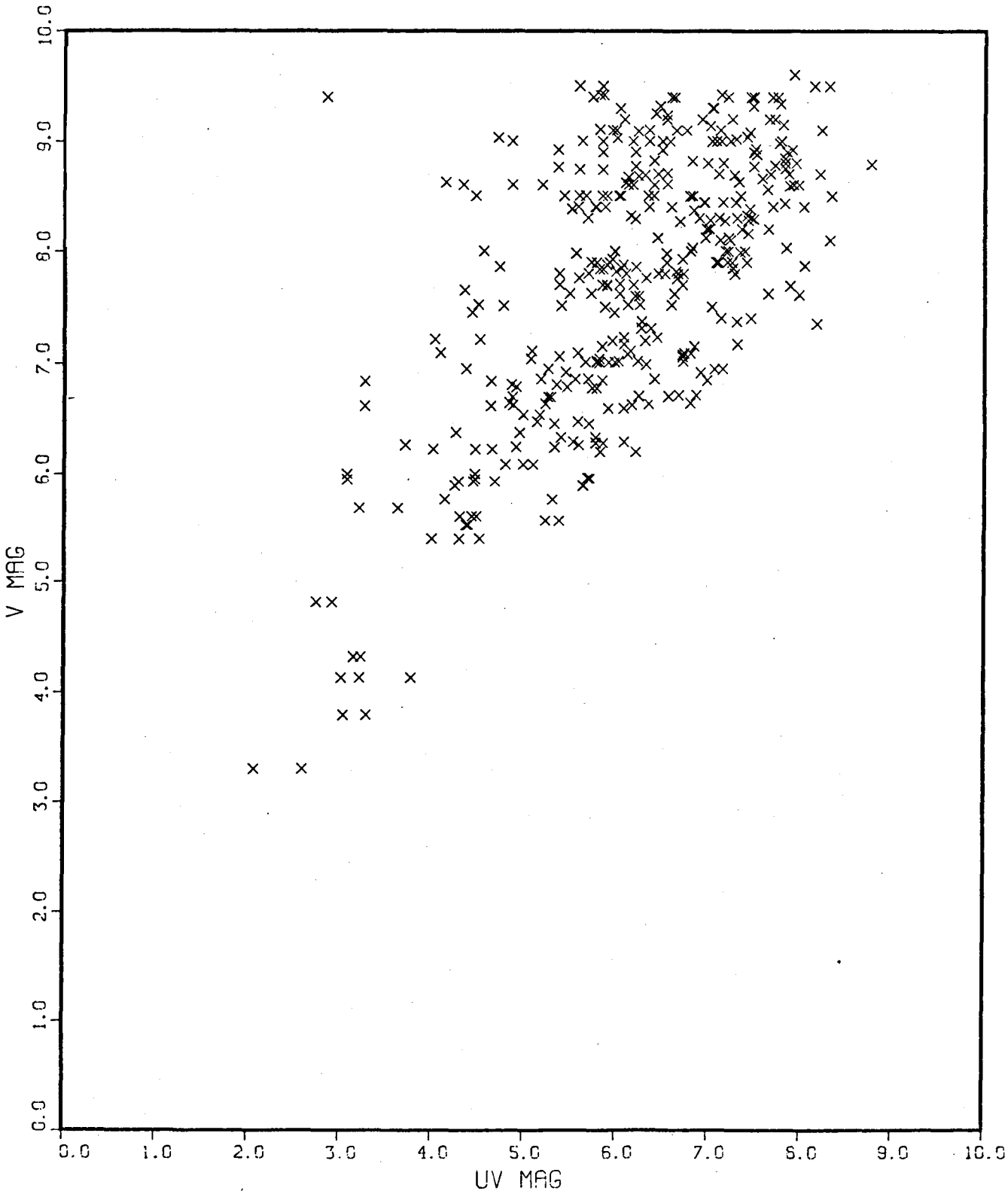

Fig. 22 — Ultraviolet magnitudes (ILi mode) in relation to SAO visual magnitudes for 376 star images having SAO classification B8

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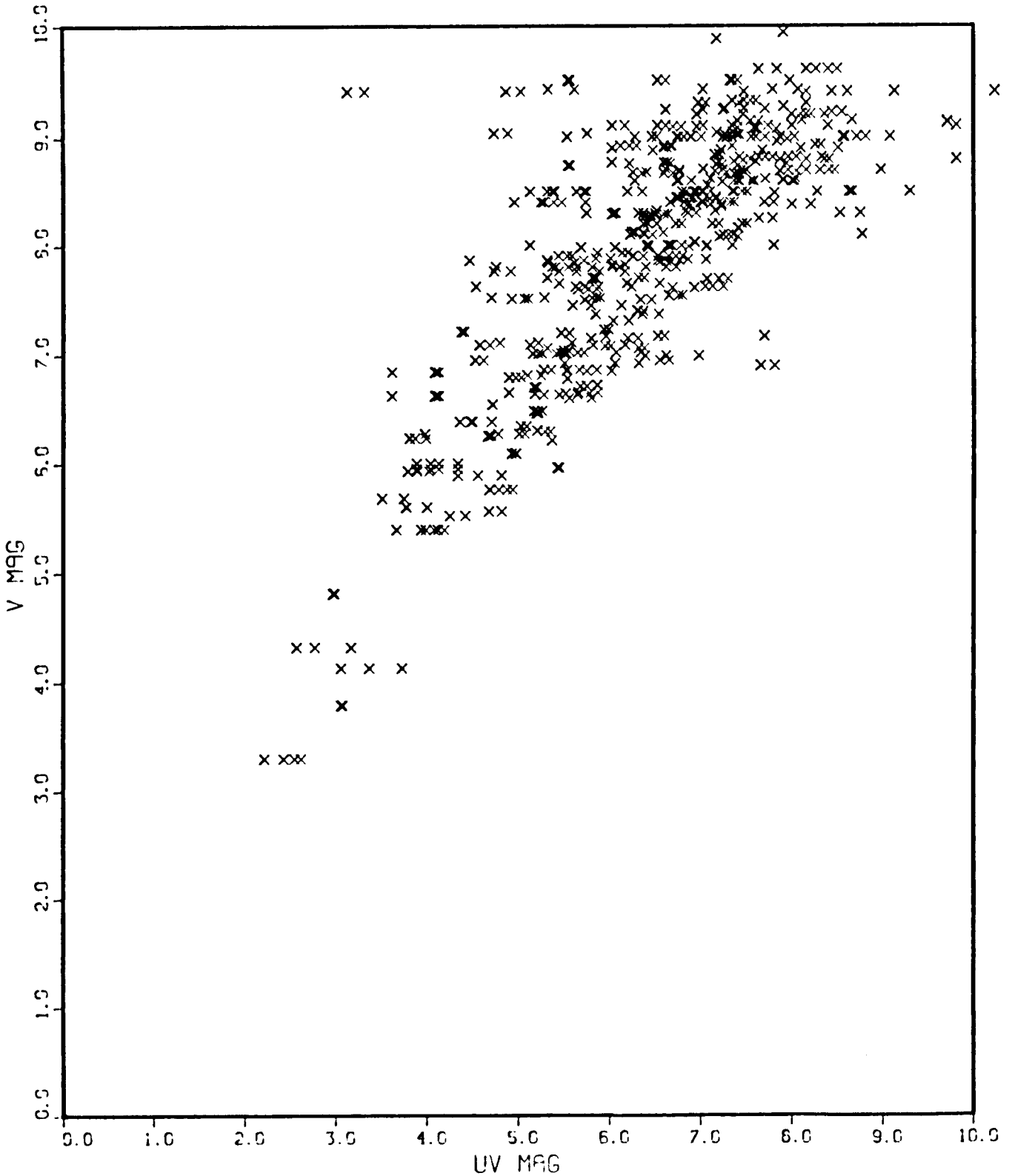

Fig 23 — Ultraviolet magnitudes (ICa mode) in relation to SAO visual magnitudes for 614 star images having SAO classification B8

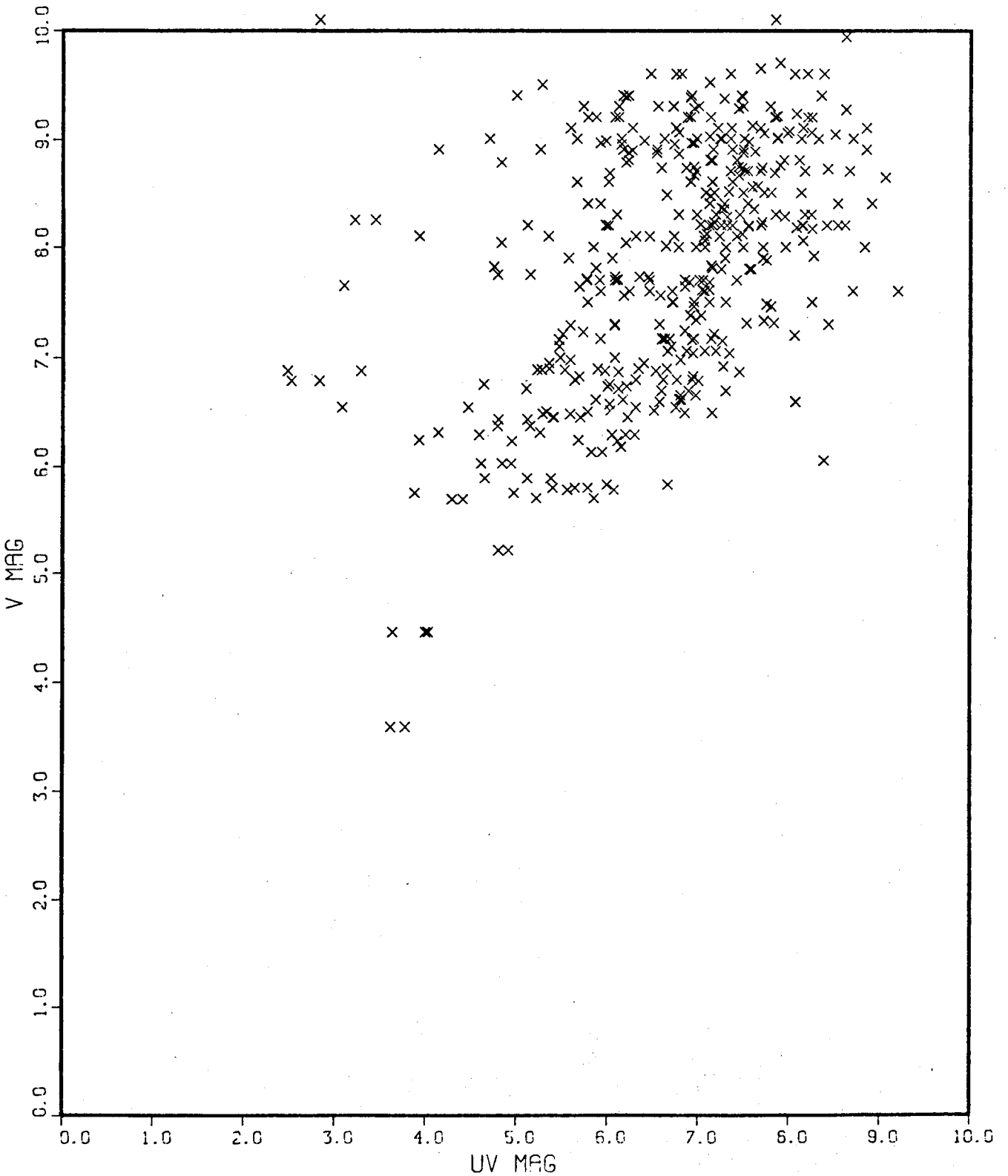

Fig. 24 — Ultraviolet magnitudes (ILi mode) in relation to SAO visual magnitudes for 412 star images having SAO classification B9

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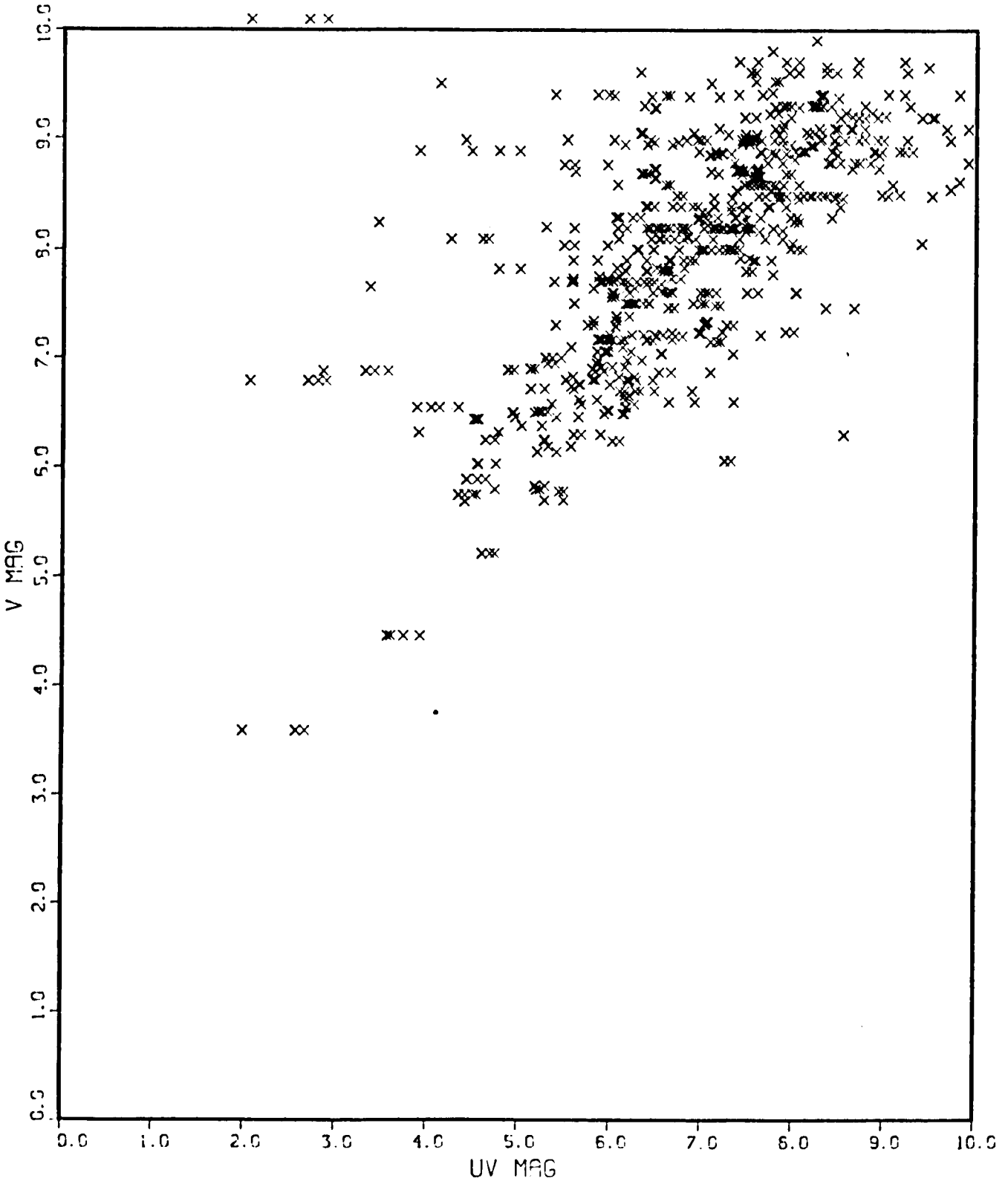

Fig. 25 — Ultraviolet magnitudes (ICa mode) in relation to SAO visual magnitues for 459 star images having SAO classification B9

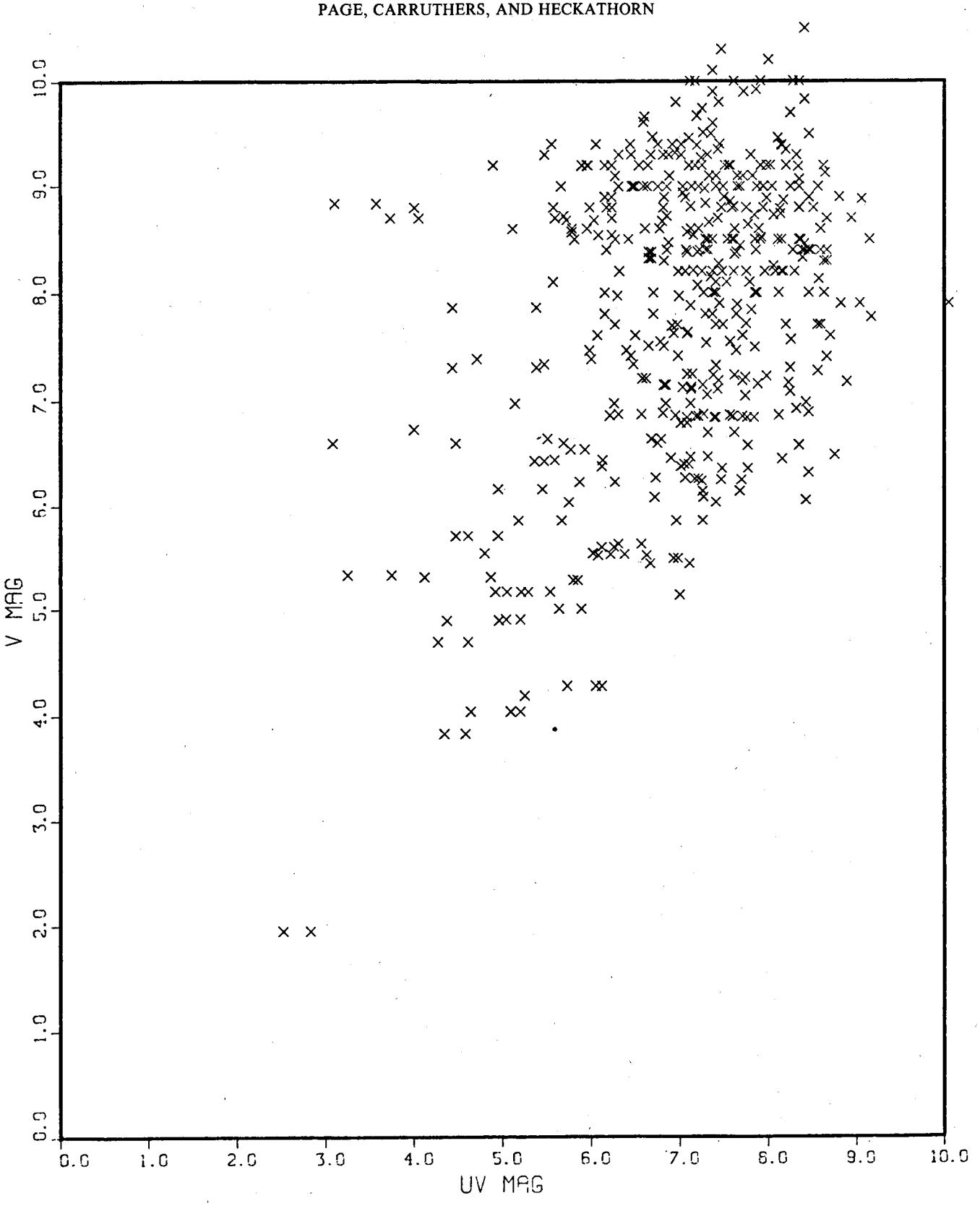

Fig. 26 — Ultraviolet magnitudes (ILi mode) in relation to SAO visual magnitudes for 459 star images having SAO classification A0

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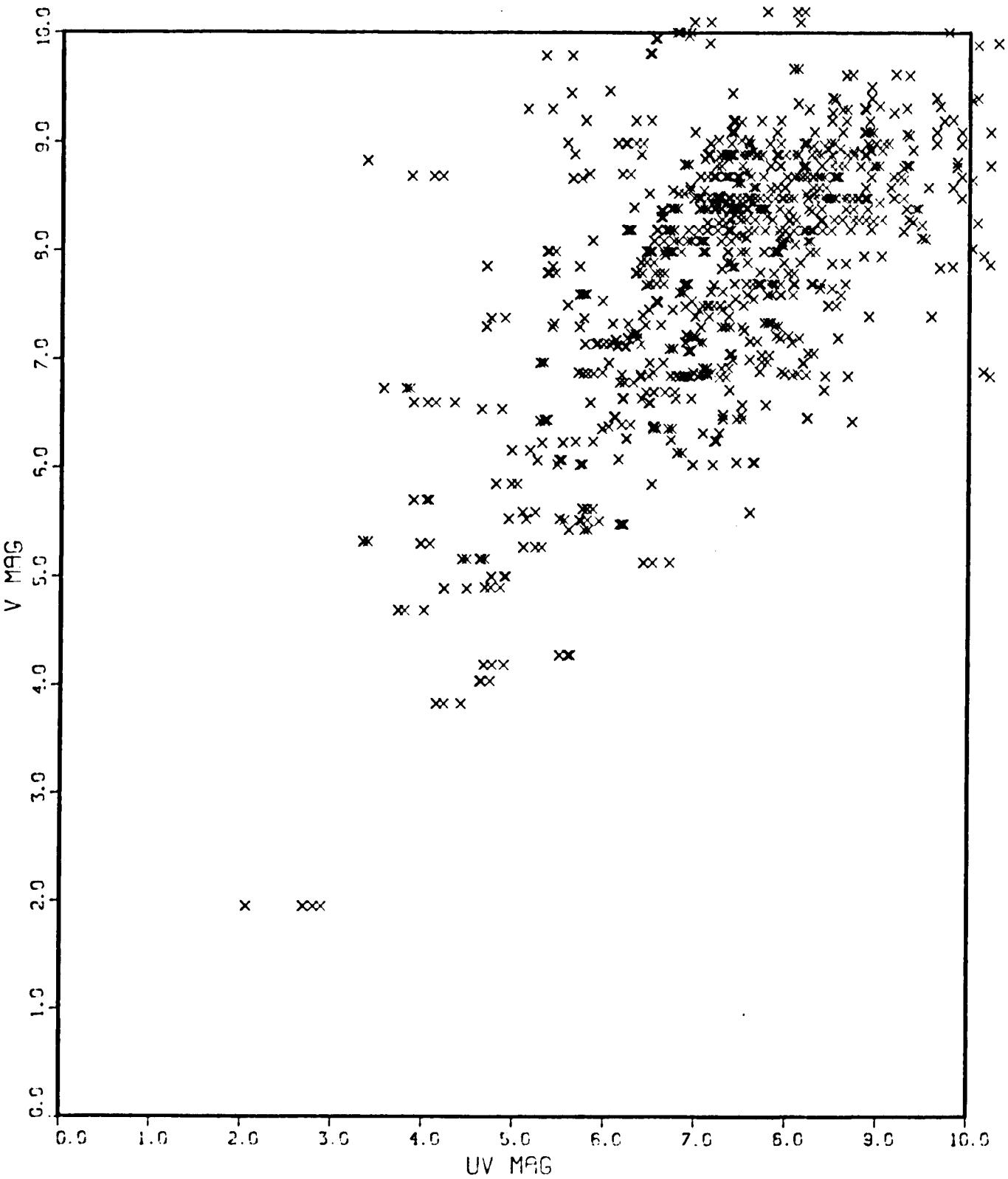

Fig 27 — Ultraviolet magnitudes (ICa mode) in relation to SAO visual magnitudes for 889 star images having SAO classification A0

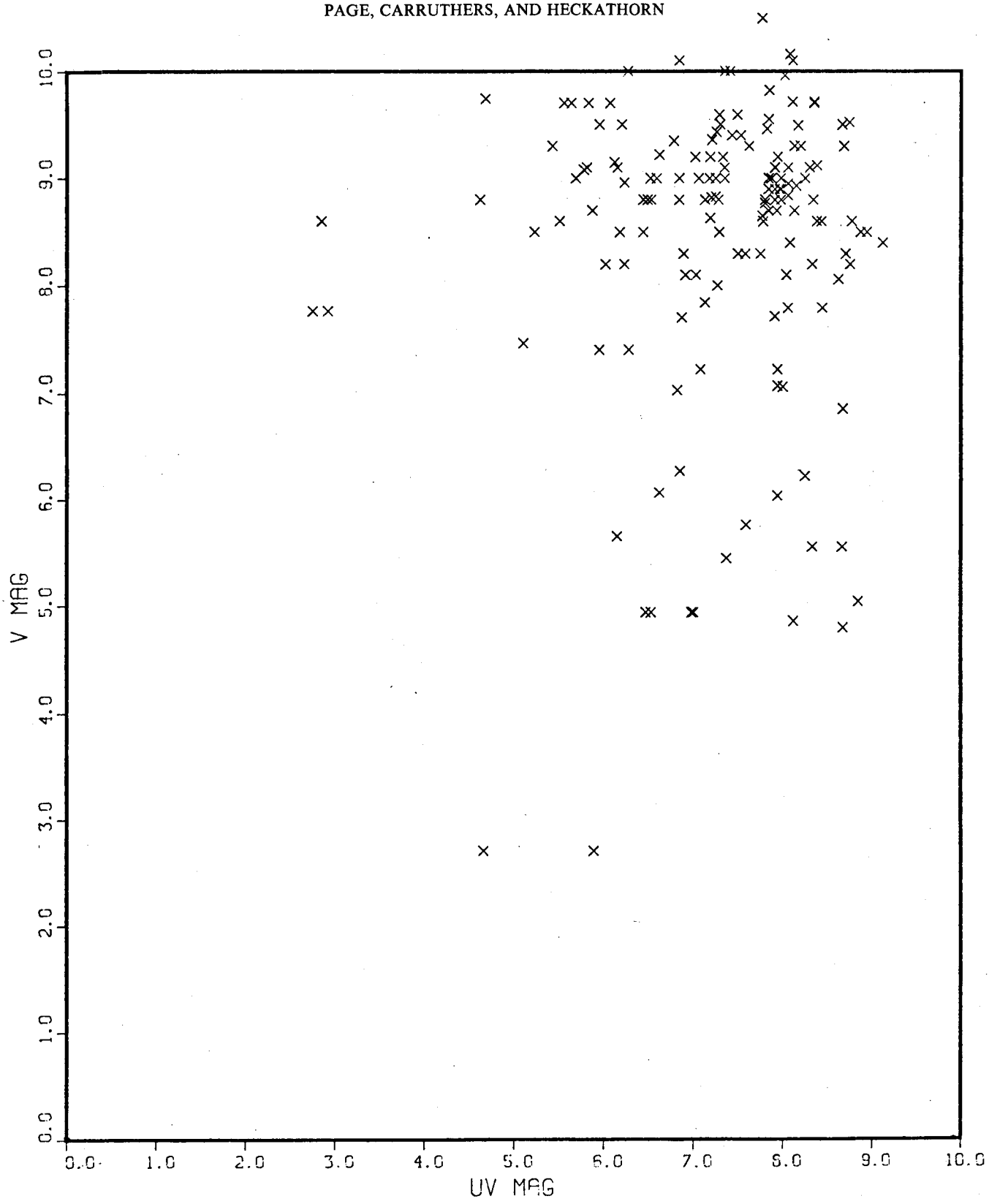

Fig. 28 — Ultraviolet magnitudes (ILi mode) in relation to SAO visual magnitudes for 154 star images having SAO classification A2 through A5

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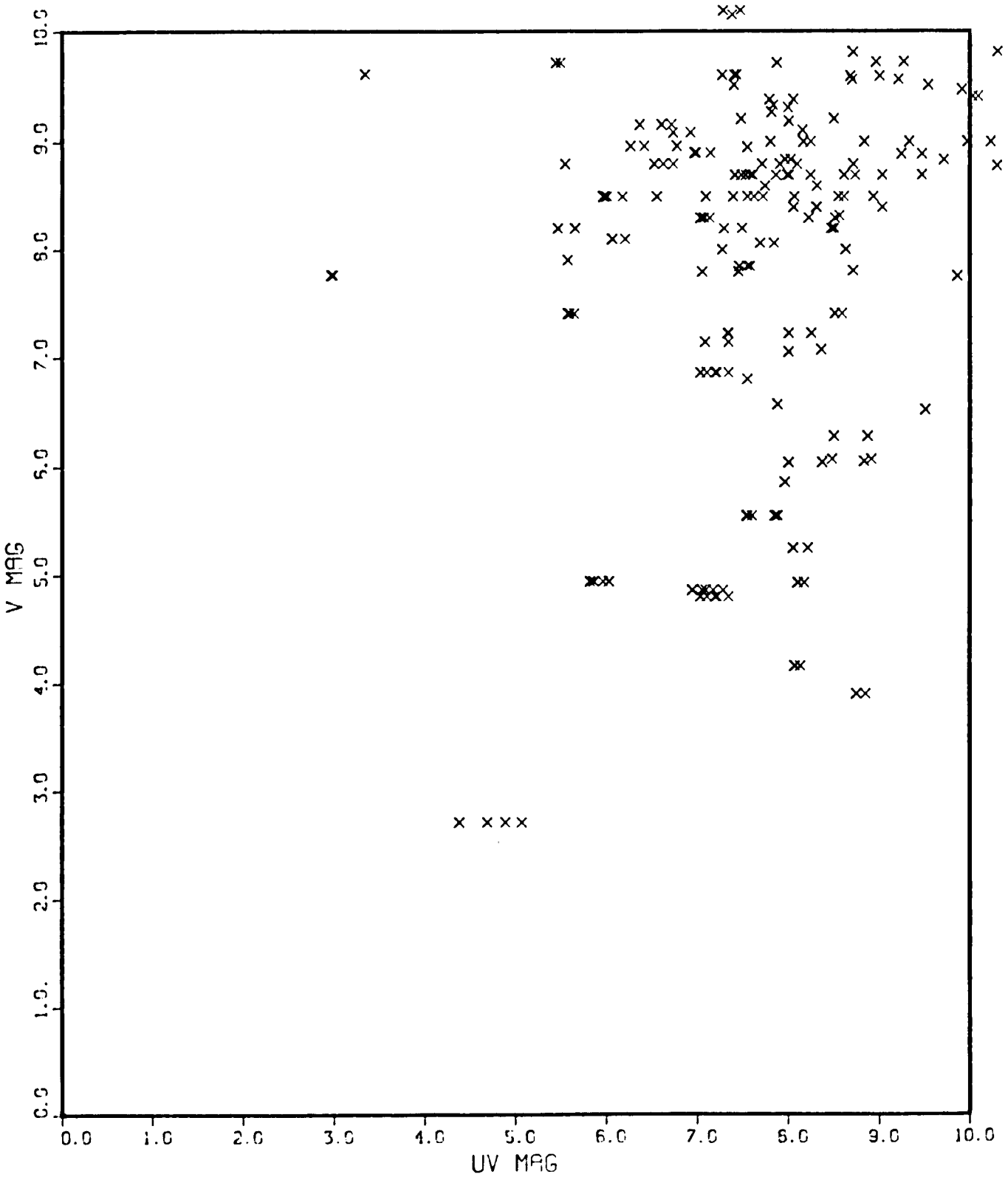

Fig. 29 — Ultraviolet magnitudes (ICa mode) in relation to SAO visual magnitudes for 192 star images having SAO classification A2 through A5

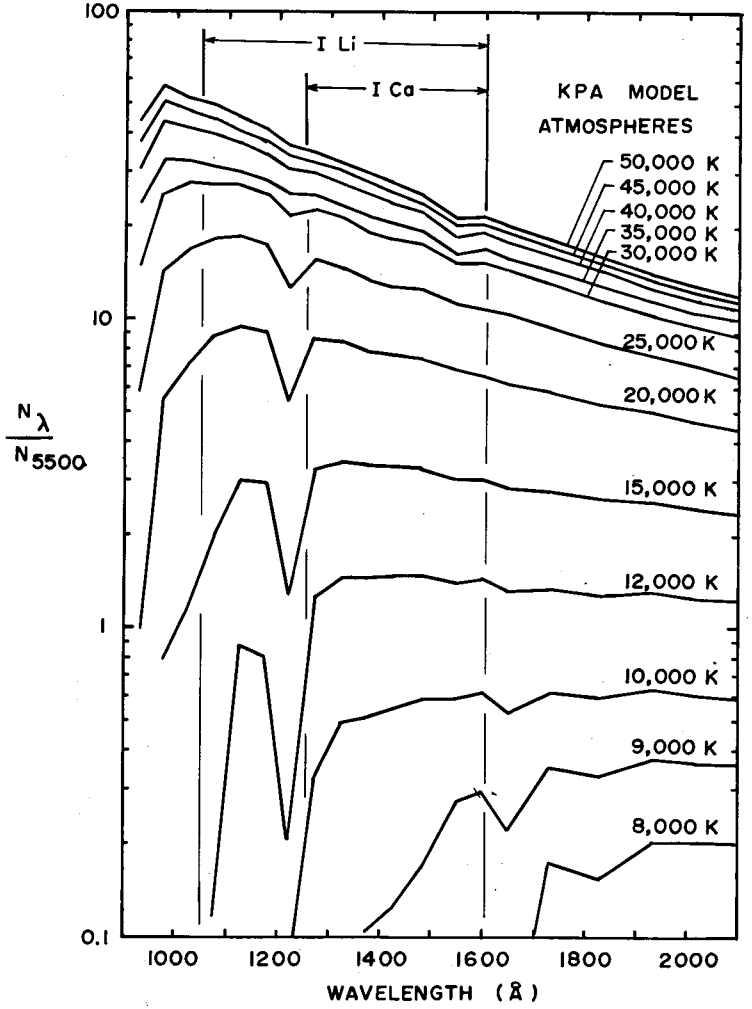

Fig. 30 — Theoretical model atmosphere predictions of photon flux as a function of wavelength, normalized to 5500 Å, by Kurucz, Peytremann, and Avrett [14]

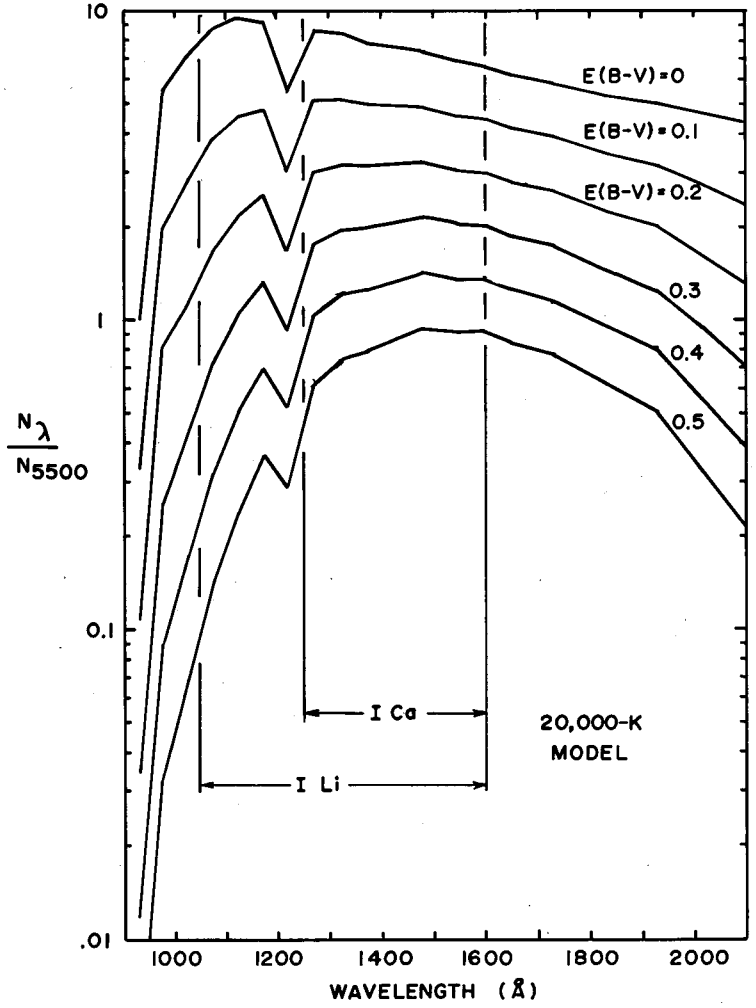

Fig. 31 — Effects of various degrees of interstellar reddening $E(B-V)$ on the 20,000-K-model-atmosphere photon fluxes, normalized to 5500 Å. The interstellar extinction as a function of wavelength is the "average" interstellar extinction law of Bless and Savage [15].

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20,000-K-model fluxes. Folding of these curves with the response functions in ILi and ICa modes (Fig. 2) using Eqs. (6) and (8) yields the curves of density-volume/exposure for a star of visual magnitude 7.6 shown in Fig. 32, and the ratio ILi/ICa shown in Figs. 33 and 34. Figure 35 shows the computed stellar visual magnitude required to produce a "standard" density-volume $V = 5131$ for the various ILi and ICa exposures in relation to the unreddened model effective temperature T_e. This "standard" density volume corresponds to a conical image with peak density $P = 100$ and a 7-raster diameter ($N = 38$ pixels, the average number of pixels corresponding to roughly circular images this size) and is by no means the weakest measurable image. Density-volumes of 80 with $P < 75$ and $N = 4$ are measured reliably, although the corrected density-volume V_c equals 290 (Table 5). That is, images 3 magnitudes fainter than this "standard" have been detected, measured, and recorded in the catalog. Thus, in 30-min ICa exposures, unreddened early-type stars as faint as $m_v = 15$ should be readily measurable if the preflight calibration and theoretical models are valid and if the star image resolution is not degraded by lunar rotation or other effects.

Figures 36 through 38 give the theoretical relationship between UV magnitude and visual magnitude, for various effective temperatures and interstellar reddenings, based on the instrument preflight

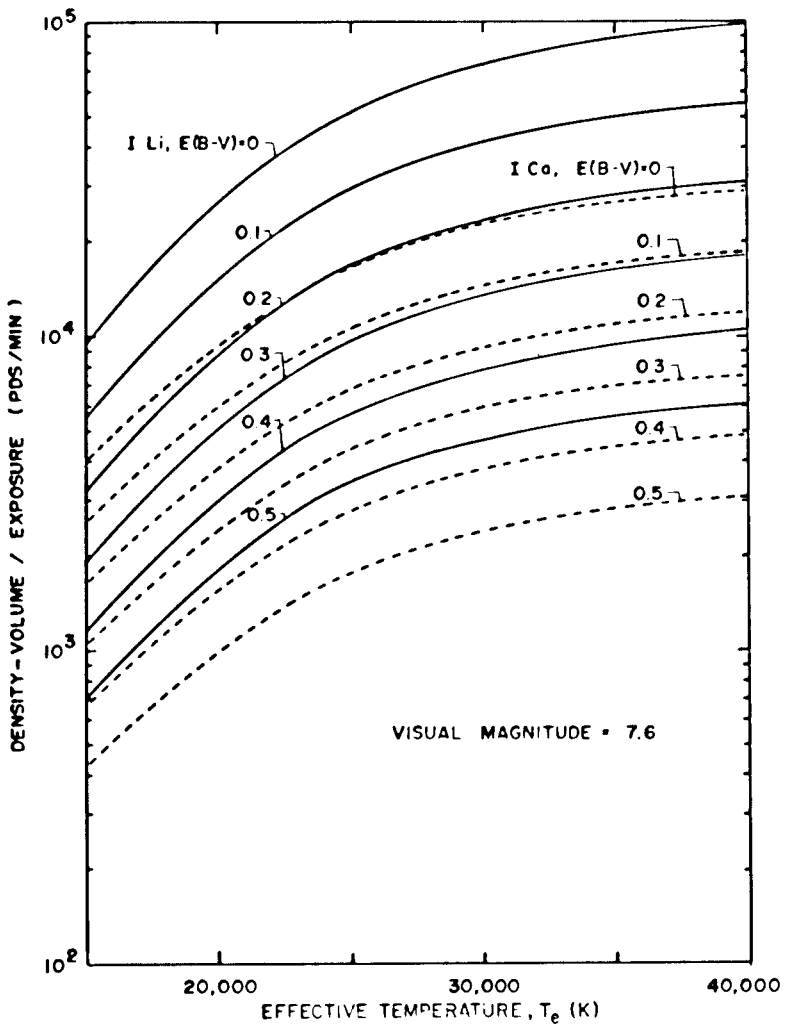

Fig. 32 — Theoretical density volume/exposure for stars of visual magnitude 7.6, as a function of effective temperature and for a range of interstellar reddening

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REVISED S201 CATALOG OF FAR-ULTRAVIOLET OBJECTS

INTRODUCTION

The Naval Research Laboratory's Far-Ultraviolet Camera/Spectrograph (Experiment S201) was operated from 21 April to 23 April 1972 on the lunar surface during the Apollo-16 mission. A primary objective of this experiment was to obtain far-ultraviolet images and spectra of stars, nebulas, and extragalactic objects against the low sky background seen from the lunar surface. The instrument, which was based on an electrographic Schmidt camera, is described in detail in Ref. 1.

The direct-imagery frames from the S201 camera covered 20°-diameter circular fields of view and had limiting resolution of about 2 arc-min at the camera's field center, degrading to about 4 arc-min near the edges. Exposures of 1, 3, and 10 min were taken with a LiF corrector on the electrographic Schmidt camera (designated ILi exposures, with a wavelength range from 1050 to 1600 Å) followed by exposures of 3, 10, and 30 min with a CaF_2 corrector (designated ICa exposures, with a wavelength range from 1250 to 1600 Å). In some cases the sequence was cut short, with the result being that the last exposure was less than the maximum of 30 min for ICa. Figure 1 shows as a function of wavelength the overall detection efficiency of the camera in these two modes of operation, as determined from preflight calibrations of the instrument.

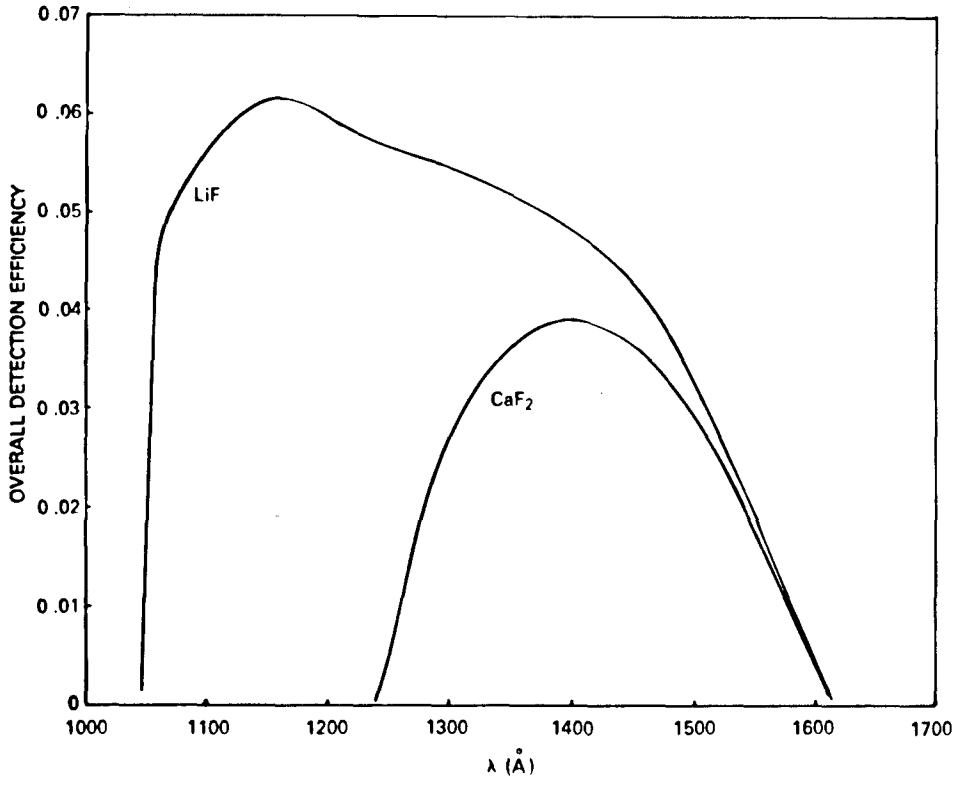

Fig. 1 — Detection efficiency as a function of the wavelength of the S201 camera in the direct imaging mode, with a LiF corrector (ILi mode) and CaF_2 corrector (ICa mode)

Manuscript submitted May 12, 1981.

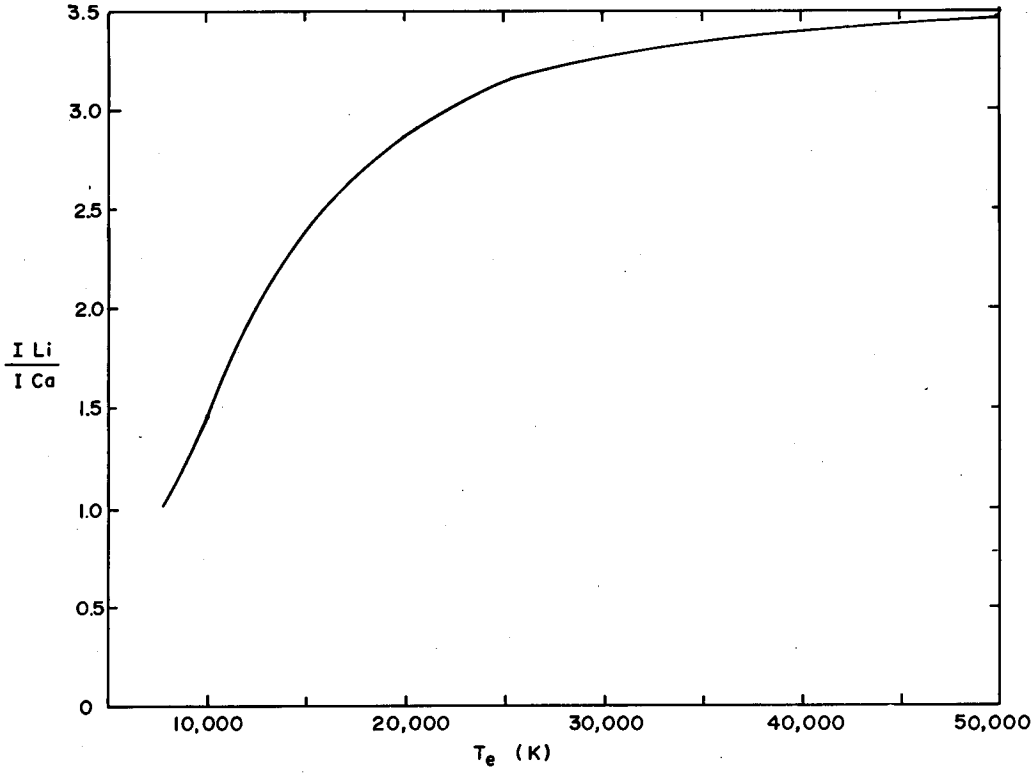

Fig. 33 — Theoretical ratio of density-volume/exposure in ILi mode to that in ICa mode, as a function of stellar effective temperature

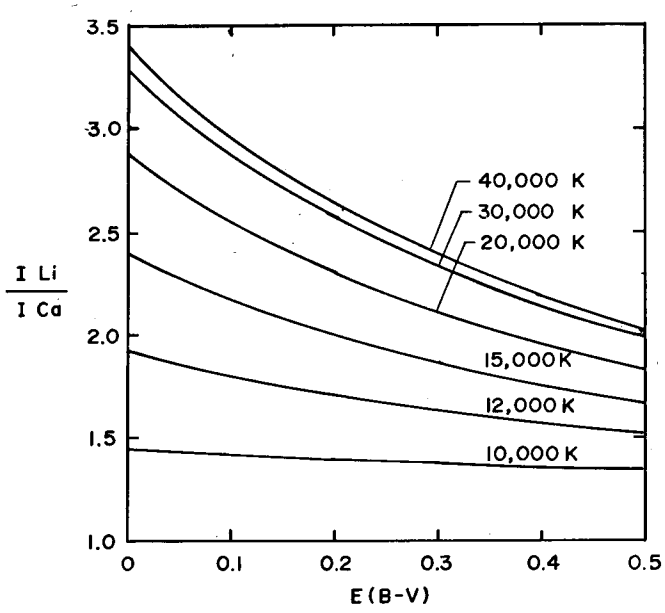

Fig. 34 — Ratio ILi/ICa as in Fig. 32, as a function of interstellar reddening

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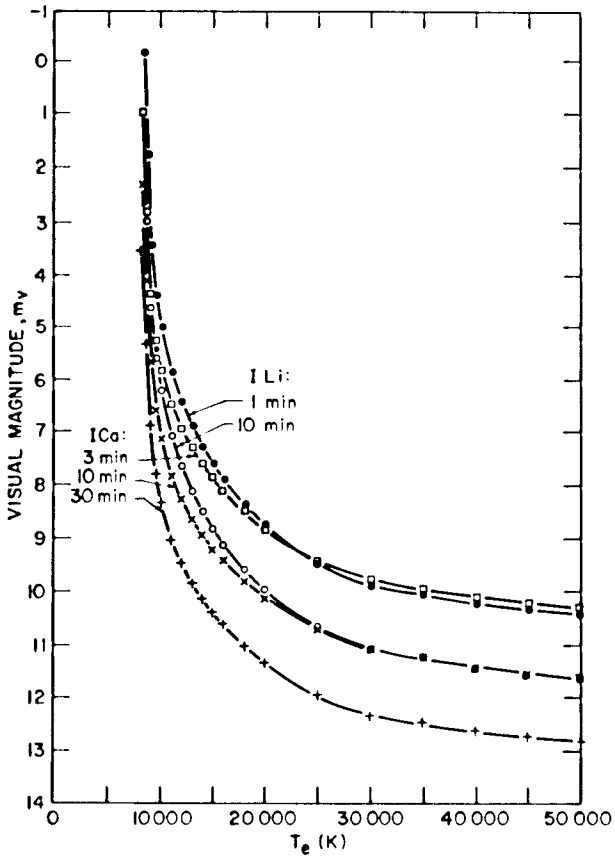

Fig. 35 — Computed stellar visual magnitude required to produce a density-volume $V = 5131$ for various S201 exposures

calibrations. The duplicates of these plots, supplied in the pocket on the inside of the back cover as transparent overlays, may be directly compared with the plots of visual magnitude m_V versus m_L or m_C in Figs. 16 through 29. Unfortunately, as is apparent from Figs. 32 and 34, it is not practical to separate the effects of temperature and of interstellar extinction using the far-UV imagery data alone; the effect of extinction is nearly equivalent to a decrease in effective temperature in the wavelength range covered by ILi and ICa exposures. Only if the near-visual reddening and/or effective temperature is known from ground-based measurements can the far-UV fluxes be used to provide independent estimates of temperature and far-UV extinction.

Table 7 gives in the first two columns the approximate effective temperature as a function of spectral type for early-type main-sequence stars [17,18]. For more luminous stars (especially supergiants) the effective temperatures may be considerably lower. In Table 8 the density-volumes of those stars which appear too bright in comparison to predictions of unreddened models appropriate for their spectral type are compared with the predicted density-volumes. The latter are given by

$$\log (V/E)_L = A - m_V/2.512 \tag{13a}$$

and

$$\log (V/E)_C = B - m_V/2.512, \tag{13b}$$

where the constants A and B have been given in Table 7.

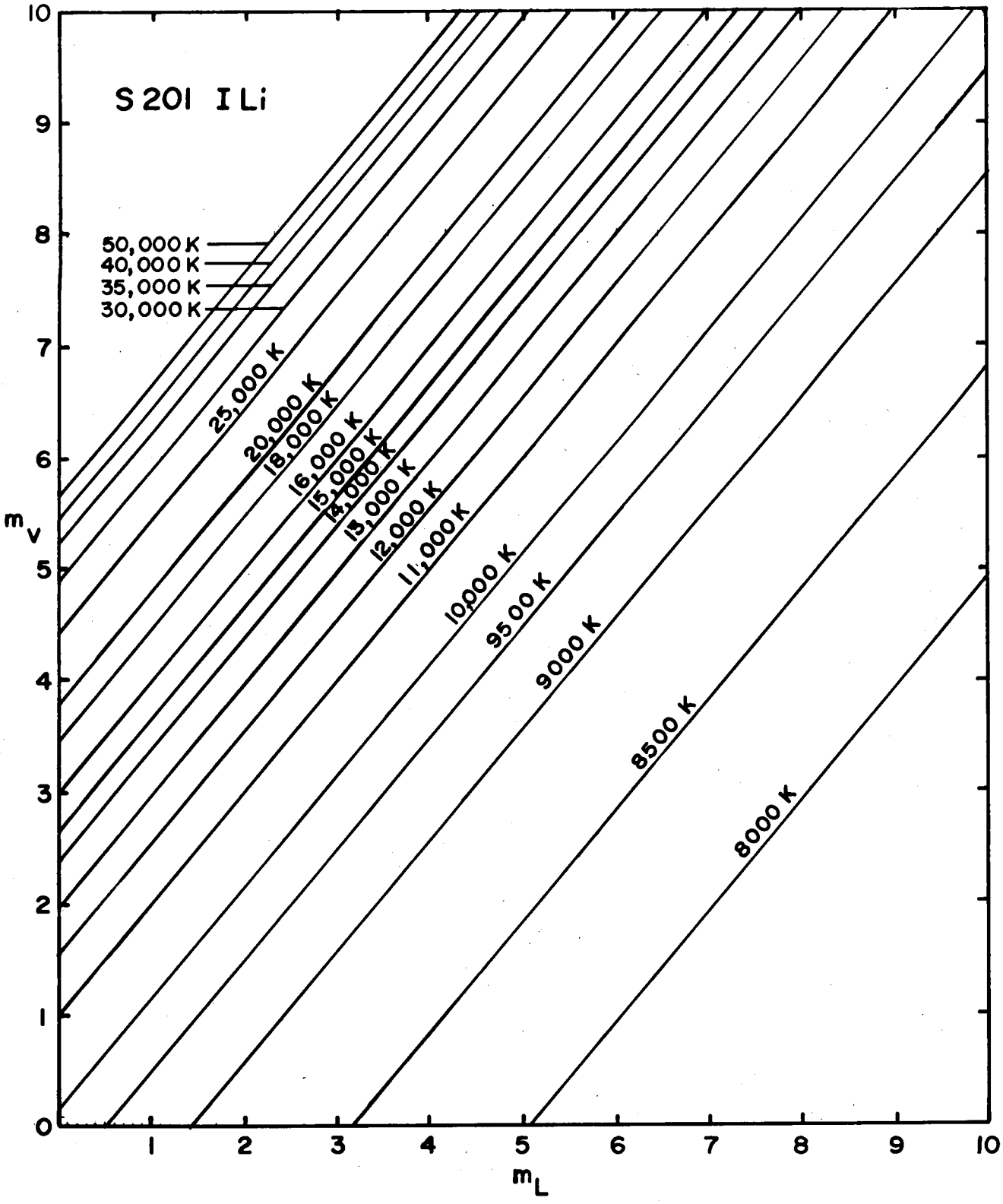

Fig. 36 — Theoretical relationship between UV magnitude in the ILi mode (m_L) and the visual magnitude (m_v) based on model atmosphere predictions and S201 preflight calibrations

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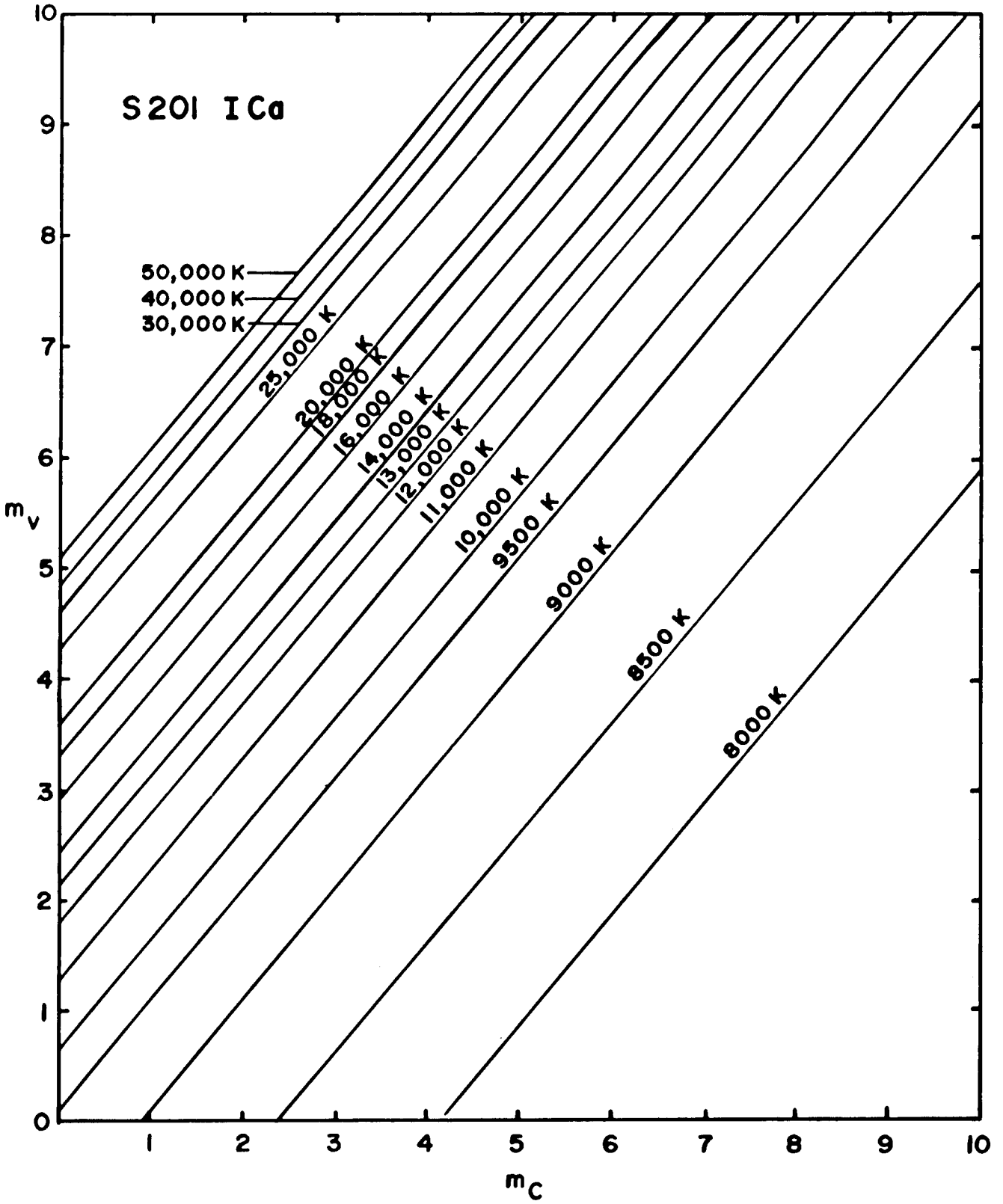

Fig. 37 — Theoretical relationship between UV magnitude in the ICa mode (m_C) and visual magnitude (m_v) based on model atmosphere predictions and S201 preflight calibration

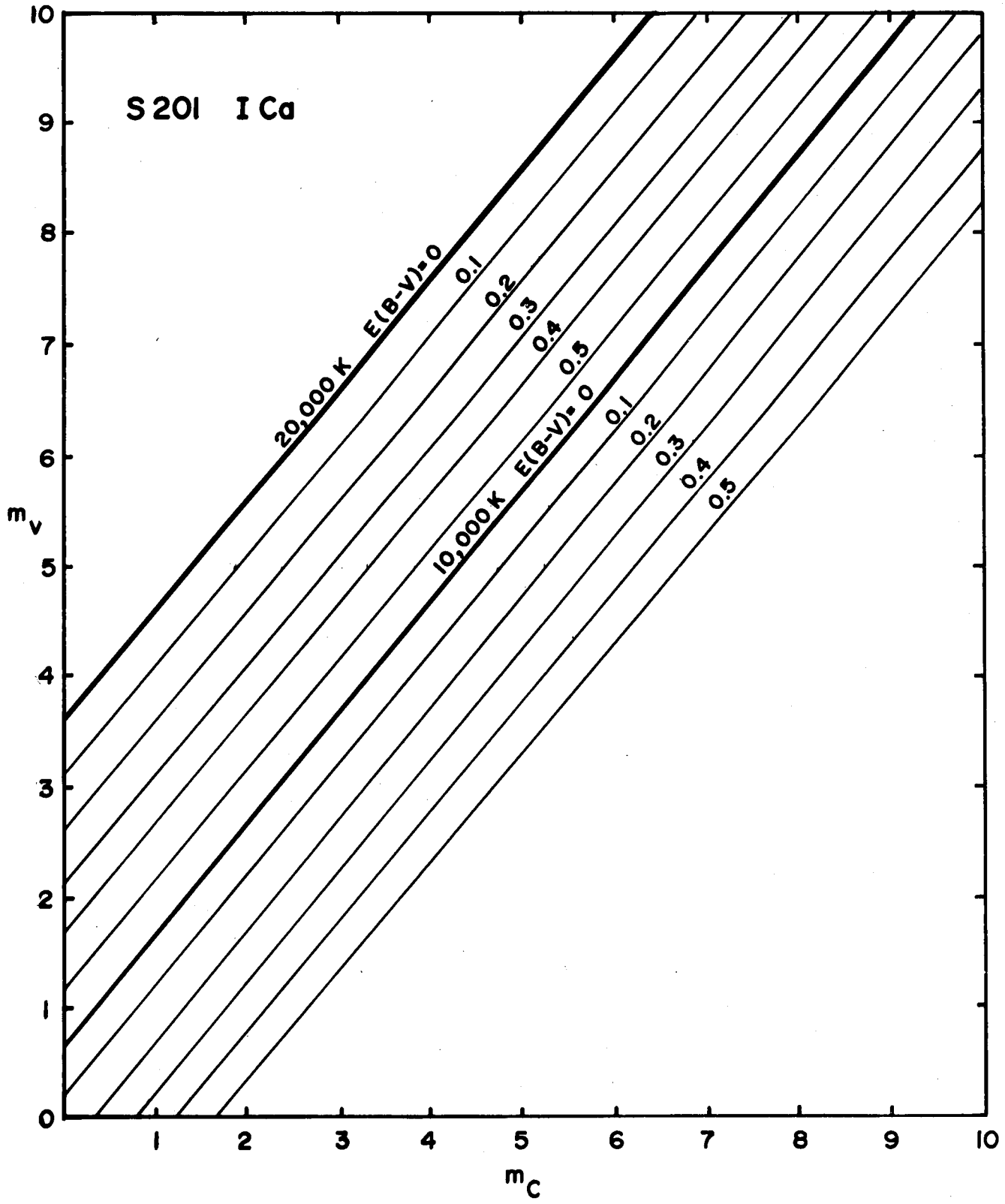

Fig. 38 — Effect of varying amounts of interstellar reddening on the relationship shown in Fig. 37, for effective temperatures of 10,000 K and 20,000 K

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Table 7 — Effective Temperature as a Function of Spectral Type for Main-Sequence Stars [17,18]. The constants A and B are included in anticipation of their use in Eq. (13).

Type	T_e	A	B
O7	35,400	7.77	7.13
B0	31,400	7.61	7.09
B1	26,000	7.43	6.96
B2	22,700	7.27	6.81
B3	18,100	7.01	6.59
B5	14,800	6.67	6.30
B7	12,900	6.39	6.18
B8	11,300	6.09	5.86
B9	10,400	5.82	5.62
A0	9,500	5.43	5.30
A1	9,250	5.24	5.10
A2	9,000	5.03	4.91
A3	8,800	4.81	4.70
A5	8,100	3.81	3.71

Comparison of our far-UV data with ground-based data is difficult because of the incompleteness and/or doubtful accuracy of the available ground-based data (spectral classifications and ultraviolet-blue-visual, or UBV, photometry) for most stars in the visual magnitude range fainter than 7.0. The only all-sky catalog of such data (extending to $m_v \approx 10.0$) available to us was the SAO Catalog [11]. The visual magnitudes and spectral types given in the SAO Catalog are based on the Henry Draper catalog; these often differ markedly from more modern determinations in specific regions of the sky, such as Orion. For most stars, it is not possible to determine the interstellar reddening, $E(B-V)$, from the data given in the SAO Catalog. Also, the SAO Catalog does not include the intermediate classifications A1, B7, and B1. As indicated by Fig. 35, the measured density-volume is a particularly sensitive function of effective temperature for T_e less than 10,000 K (spectral types B9 and later). Therefore, it is likely that much of the scatter in the plots of m_{UV} versus visual magnitude m_v, and many of the apparent high and low deviants, are due to errors in classification and/or due to interstellar extinction.

An alternate explanation, particularly for objects identified with SAO stars of relatively late spectral type, is that the object is misidentified; that is, it is not the SAO star but rather a visually fainter, but much hotter, object which is in the near vicinity of the SAO object or which is a binary companion of it. (Many examples of previously unknown hot white dwarf or subdwarf companions of visually more luminous, but cooler stars have been discovered in other surveys, such as the S019 Skylab experiment [19], and with the International Ultraviolet Explorer.) Also, many of the NOs may be hot companions of known SAO stars which were not listed due to their late spectral type (later than A5), or perhaps the NOs may be SAO stars erroneously classified later than A5 which are in fact much hotter.

Figure 39 shows the percentages of SAO stars detected in two fields (Cygnus and Norma) plotted against visual magnitude for various spectral types. As we noted, we expect to detect images of density-volume as small as 80 units summed over four or more pixels, with corrected density-volume $V_c = 290$. On a 10-min ICa frame, this corresponds to UV-magnitude $m_C = 9.5$. According to the curves of m_v versus m_C (Figs. 17, 19, 21, 23, 25, 27, and 29) based on the unreddened theoretical models and preflight calibration, a UV magnitude $m_C = 9.5$ corresponds to $m_v = 9.5$ for an A0 star ($T_e = 9500$ K) and $m_v = 14$ for a B8 star ($T_e = 11{,}300$ K). These are 1.7 and 2.0 magnitudes fainter

Table 8 — Stars with High Far-UV Flux

Field	Catalog Numbers	SAO No.	Spec. Type	Magnitude Visual	Magnitude Photo	No. of Frames ILi	No. of Frames ICa	Density-Volume/Exposure Mean Measured ILi	Mean Measured ICa	Unreddened Model ILi	Unreddened Model ICa
Cyg	22-26	70367	B9	6.44		2	3	2506	1862	1804	1128
Cyg	27-31	70380	B9	8.30	8.00	2	3	314	440	328	207
Cyg	112-117	70539	A0	7.60	7.10	2	3	772	673	253	188
Cyg	128-132	70555	B8	8.50	8.30	2	3	951	672	508	299
Cyg	180-183	70633?	B9	7.70	7.70	1	3	411	407	568	357
Cyg	198-202	50189	A2	7.40	7.50	2	3	956	751	121	92
Cyg	215-219	70659	A0	7.24		2	3	317	367	353	262
Cyg	230-234	50226	B9	6.89		2	3	2310	1403	1194	754
Cyg	251-255	50253	B8	6.79		2	3	1930	1338	2438	1435
Cyg	284-288	70721	B9	7.50		2	3	453	409	683	431
Cyg	333-336	50358	A0	8.20	7.40	1	3	203	234	146	109
Cyg	361-365	50390	B8	6.23		2	3	4385	3005	4073	2398
Cyg	368-372	70837	A2	8.50	7.90	2	3	774	522	44	34
Cyg	373-377	70844	A0	8.00	7.80	2	3	209	260	176	130
Cyg	382-386	50411	B8*	8.50	7.70	2	3	1081E	990E	508	299
Cyg	414-418	70931	B8	7.51		2	3	1763	1203	1260	742
Cyg	432-436	50468	B9	7.70	7.10	2	3	542	566	568	359
Cyg	448-454	70968	A0	5.70		3	3	3481	2867	1448	1074
Cyg	460-464	50491	A0	8.20	7.60	2	3	206	267	146	109
Cyg	484-488	70994		8.70	8.70	2	3	681	426	0000	0000
Cyg	554-558	50556	B8	7.70	7.80	2	3	1052	592	1059	623
Cyg	573-577	71065	B9	7.70	7.10	2	3	1103	799	568	359
Cyg	580-584	50573	B8	8.30	8.50	2	3	321	308	611	360
Cyg	621-625	71101	A0	7.80	7.60	2	3	241	336	211	157
Cyg	678-681	50664	A3	8.70	8.70	1	3	97	95	22	17
Cyg	718-722	50681	B9	7.00		2	3	1233	920	1000	681
Cyg	729-733	71191	A0	8.40	8.30	2	3	297	224	122	90
Cyg	864-868	71383	A5	8.30	8.50	2	3	137	137	3.2	2.6
Cyg	919-922	50998	A0	8.00	7.50	1	3	193	243	176	130
Cyg	957-961	51041	B9	8.70	8.00	2	3	297	348	227	143
Cyg	968-971	51057	A0	8.20	7.70	1	3	161	217	146	109
Cyg	1050-1054	71625		8.90	8.70	2	3	692	521	000	000
Cyg	1157-1160	51388	A3	8.90	8.70	1	3	168	160	18.5	14
Cyg	1169-1173	71828	B9	9.00	8.00	2	3	145	174	173	109
Cyg	1226-1229	71942?		9.10	9.50	1	3	242	155	000	000
Cyg	1263-1267	51636	B9	7.60	7.50	2	3	351	481	623	393
Cap	84-88	145278	B8	5.68		2	3	6280	3700	6743	3971
Cap	98-101	164359	B8	8.30		1	3	898	508	611	360
Cap	118-122	145483	B9	8.10		2	3	265	282	394	249
Cap	131-135	164528	B9	7.30		2	3	642	560	820	578
Cap	137-140	145541	A0	8.70		1	3	170	154	93	69
Cap	172-176	164717	B9	6.50		2	3	367	1173	1708	1078
Cet	60-64	168376	B9	6.90		2	3	1638	1126	1184	747
Gru	25-27	192692?	B8		10.10	0	3	—	293	000	000
Pav	19-20	246739	A5	10.16		1	1	129	50	0.6	0.46
Pav	23-25	246786	B9	6.46		2	1	1819	1426	1772	1118
Pav	65-67	247190	B9	6.74		2	1	1000	837	1371	865
Men	10-13	256025	A0	6.54		2	2	1129	969	671	497
Men	78-79	249120	A2	7.79		0	2	—	143	85	64
Men	435-438	HD269696	B	10.7		2	2	405	182	000	000
Men	804-807	249747	B8	7.88		2	2	908	453	898	529
Nor	147-150	243995	B8	9.10	8.84	2	2	322	453	293	173
Nor	239-242	253688	A0	5.30		2	2	3027	2902	2090	1549
Nor	295-298	244208	B9	7.29		2	2	1086	516	828	522
Nor	343-346	244285	A0	6.16		2	2	1666	1282	950	704
Nor	550-553	244579	B8	9.00	8.61	2	2	250	181	322	189
Nor	643-646	227944	B8	6.95		2	2	2200	1779	2105	1240
Nor	725-728	244866	A0	6.43		2	2	1616	1086	742	550
Nor	773-776	245020?	A0	10.00	9.93	2	2	68	192	28	21
Nor	861-864	245361	A0	7.70	7.30	2	2	231	290	232	172
Nor	865-868	245368	A0	8.81	8.32	2	2	181	181	84	62

(Table continues.)

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Table 8 (Concluded) — Stars with High Far-UV Flux

Field	Catalog Numbers	SAO No	Spec Type	Magnitude Visual	Magnitude Photo	No. of Frames ILi	No. of Frames ICa	Density-Volume/Exposure Mean Measured ILi	Mean Measured ICa	Unreddened Model ILi	Unreddened Model ICa
Nor	874-877	245405	B8*	7.21		2	2	3648	2208	1659	977
Nor	878-881	245411	B9	7.73		2	2	610	515	553	349
Nor	883-886	245441	B9	7.56		2	2	569	515	646	408
Aqr	214-223	165696	B8*	8.40		4	6	1283	889	557	328
For	28-31	149063	A0	5.32		2	2	8520	5670	2052	1521
Sgr W	185-184	186085	A0*	8.90		1	3	50	270	77	57
Sgr W	260-264	186156	B8	7.86		2	3	1150	853	914	538
Sgr W	398-402	209691?	B8	7.80		2	3	867	827	966	569
Sgr W	431-435	186268	B9*	8.10		2	2	3745	1815	394	249
Sgr W	467-471	186286	A0	7.33		2	3	546	451	325	241
Sgr W	544-547	209758?	A0	9.00	8.70	1	2	313	132	70	52
Sgr W	551-553	186340	B9	9.50		1	2	915	589	109	69
Sgr W	588-589	186360	B9*	9.30		1	1	133	364	131	83
Sgr W	681-686	209817	B5	6.24		2	4	7263	4992	15,343	6545
Sgr W	720-723	186432	A0*	8.90		1	3	163	104	77	57
Sgr W	746-750	209841	B8	7.11		2	3	1158	840	1818	1071
Sgr W	822-826	186481	B9	8.20		2	3	340	355	359	227
Sgr W	874-878	186505	B9	7.50		2	3	580	424	683	431
Sgr W	918-920	209906?	A0	9.66	9.58	1	2	232	69	38	28
Sgr W	962-965	186549	B8	8.50		1	3	507	184	508	299
Sgr W	1079-1082	209964	B9	9.52	9.33	1	3	130	73	107	68
Sgr W	1099-1102	186608	B8	8.00		1	3	1582	378	804	473
Sgr W	1103-1106	209970	B8	9.09	8.53	1	3	451	211	296	174
Sgr W	1213-1217	210005	B9	6.72		2	3	1195	789	1396	881
Sgr W	1222-1226	210008	B8	9.42	9.03	1	3	148	95	219	129
Sgr W	1248-1251	186684	A0	8.80		2	2	3819?	33	84	63
Sgr E	46-51	210135	B8	6.38		2	4	2597	1641	3550	2090
Sgr E	89-91	210165	A0	10.20	9.78	1	2	50	64	23	17
Sgr E	114-117	210188	B9	7.90	7.44	1	3	572	425	473	299
Sgr E	407-411	210378	B8	7.93	7.30	2	3	618	420	857	505
Sgr E	423-427	187070	B9	9.40		2	3	1212	541	120	76
Sgr E	443-446	210397	B8	8.92	8.49	1	3	493	277	346	204
Sgr E	447-452	187080	B9	5.75		2	4	3094	1724	3396	2143
Sgr E	512-516	210464	B9	8.87	8.37	2	3	306	157	195	123
Sgr E	523-527	210478	B8	7.76	7.11	2	3	868	619	1002	590
Sgr E	537-541	210488	B8	7.09		2	3	1905	1227	1852	1090
Sgr E	626-630	210570	B9	6.95		2	3	805	673	1131	713
Sgr E	651-655	210581	A0	6.97		2	3	660	624	452	335
Sgr E	662-666	210588	B8	7.45	6.80	2	3	1424	524	1331	784
Sgr E	740-744	210704	A0	8.54	8.00	2	3	402	235	107	79
Sgr E	987-990	211001	B5	9.52	8.91	1	3	2625?	173	759	324
Sgr E	1073-1077	211148	B8	7.52		2	3	1224E	802	1248	735

*Modern (MK) spectral types and other pertinent data are tabulated below for the objects which have erroneous HD spectral types:

Object Number	SAO	HD	DM (Durchmusterung)	m_b†	m_v†	Spectral Type‡ HD	Spectral Type‡ MK	Remarks§
Cyg 383-387	50411	200776	BD +45° 3384	7.8	7.8	B8	B1 IVp	= LS III +46° 41
Nor 874-877	245405	167806	CPD −59° 7256	7.0	6.9	B8	B2 V	
Aqr 214-223	165696	220787	BD −11° 6076	8.3	8.4	B8	sdB3p	
Sgr W 181-184	186085	164087	CD −28° 14005	8.7	9.3	A0	B1 Ib	
Sgr W 428-431	186268	165246	CD −24° 13880	7.7	8.2	B9	08 Vn	= LS 4646/ADS 11049 AB (LS 4644 + LS 4643 4'5 and 4'8 away)
Sgr W 583-584	186360	165872	CD −23° 13974	9.8	9.7	B9		= ADS 11092 AB/IC (reflection nebula)
Sgr W 717-720	186432	166397	CD −29° 14623	9.5	9.2	A0	B8 Ia	

†Apparent blue and visual magnitudes are homogenized (F. Ochsenbein, 1974, Astron Astrophys Suppl 15, 215).

‡HD spectral types are from the 1979 edition of the Catalog of Steller Identifications (Strasbourg Observatory). MK spectral types are from W.P. Bidelman, Case Western Reserve, private communication (1978).

§Alternate designations (other than SAO, HD, DM) listed in this column are from the catalogs listed in the notes to Table 2.

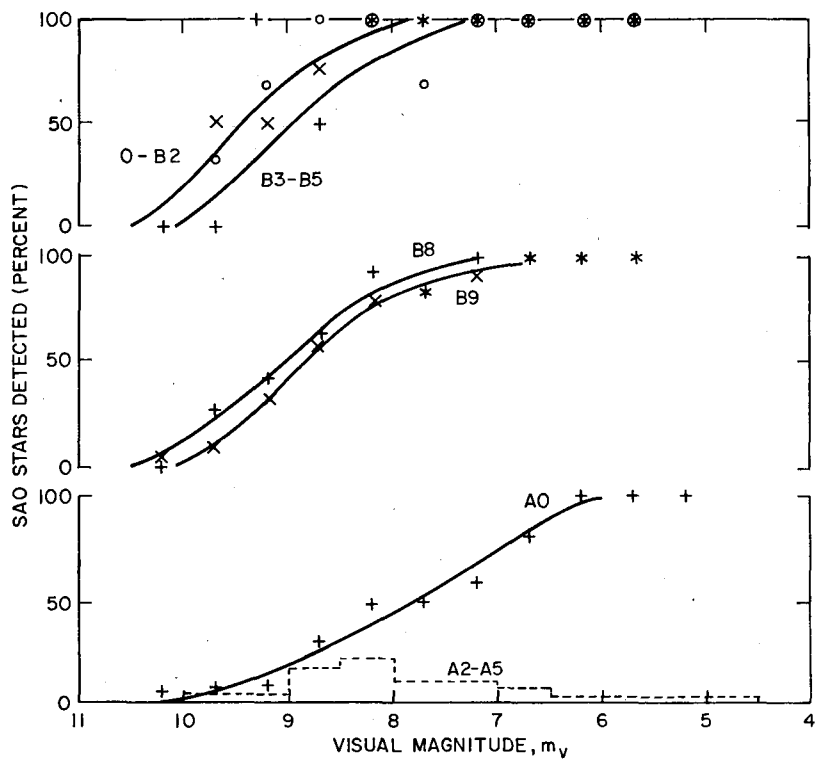

Fig. 39 — Percentage of SAO stars detected in two fields (Cygnus and Norma) by the STAR DETECTION program, as a function of SAO spectral type and visual magnitude

than the 50%-detection limits, and the discrepancy becomes larger for earlier spectral types. For O-B2 stars ($T_e \gtrsim 20{,}000$ K), half are detected at visual magnitude 9.5; however, the SAO Catalog is probably not complete at this visual magnitude.

When one compares the observed plots of UV magnitude versus visual magnitude with the expectations, one notes that the spread within each of the groups O-B2, B3, and B5 is considerably larger than the differences between the averages for each group. This is particularly true for the fainter stars ($m_V \geqslant 7$), which tend to be more faint in the ultraviolet relative to the visible in comparison to brighter stars of the same spectral type. This indicates that interstellar extinction is a major contributor to this spread. However, errors in SAO spectral types and visual magnitudes probably also are larger for the visually fainter stars; we have noticed that fainter SAO stars tend to be systematically classified later than in more modern determinations. On the other hand, particularly in the O-B2 subgroup, several stars have UV magnitudes brighter (relative to visual magnitude) than that corresponding to unreddened stars with $T_e = 50{,}000$ K! In these case, misidentifications seem unlikely, but there may be contributions to the observed UV brightness by unlisted fainter early-type stars and/or unresolved reflection nebulosity in close association with the SAO object.

For the subgroups later than B5, there is reasonable agreement with the expected effective temperatures and somewhat less deviation from the mean values. This indicates lesser effect of interstellar extinction, which is not unexpected, since these less luminous stars are on the average closer and less likely to be associated with dense concentrations of interstellar material. However, particularly for the fainter stars, there is a large spread toward higher (indicated) effective temperatures than expected for these stars. This could be due to previously unknown hot white dwarf companions or to errors in the spectral types and/or visual magnitudes.

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For stars of spectral type A0 and later, classification errors and unresolved hotter companions are particularly significant sources of scatter in the plots of UV magnitude versus visual magnitude, because of the extreme sensitivity of the measured UV magnitude to effective temperature below 10,000 K, as was mentioned. The peculiar curve for A2 to A5 stars in Fig. 39 is perhaps due to fainter stars being systematically misclassified later than the brighter ones of the same actual effective temperature. In other words, most of the "A2 to A5" stars detected in the visual magnitude range above 7.0 probably are of earlier spectral type or have hotter companions not resolved in the ground-based observations.

COMPARISON WITH CELESCOPE CATALOG STARS

Over 100 stars are common to this Revised S201 Catalog and the Celescope Catalog [20], which gives UV magnitudes in two bands: U2 (approximately 1650 to 3000 Å) and U3 (approximately 1400 to 1850 Å). Figure 40 is a plot of S201 m_C from 3-, 10-, 30-, and 3.7-min ICa frames (passband from 1250 to 1600 Å) versus Celescope U3 magnitude, and Fig. 41 is a plot of m_L from 1- and 3-min. ILi frames (passband from 1050 to 1600 Å) versus U3 magnitude. The correlation with U3 is good, although the zero point differs by over 4 magnitudes, and is somewhat better with m_C than with m_L. Since there is no overlap between the S201 passbands and the Celescope U2 passband, their correlation is poor, and a comparison is not shown, as it would have little meaning.

COMPARISON WITH OAO-2 FILTER PHOTOMETRY CATALOG STARS

There are 23 stars common to this Revised S201 Catalog and the OAO filter photometry catalog [13]. These are listed in Table 9, where spectral type (column 2) and m_v (column 3) are from Ref. 13, rather than from the SAO Catalog [11] and as listed in this Revised S201 Catalog. Column 5 gives the ILi exposure times, and column 6 gives the highest measured density-volume. Column 7 gives the mean m_L for each star, and column 8 gives the extrapolated OAO magnitude at 1300 Å from the published values at 1550, 1430, and 1330 Å. Error of the mean m_L values are mean deviations from the two or three exposures noted in column 4; errors of the OAO m_{1300} are based on the extrapolation (sometimes with no 1330 Å value). Columns 9 through 12 give similar data from the ICa frames for comparison with OAO m_{1400}.

In Fig. 42 the mean values of m_L are plotted against the OAO m_{1300} values, with error bars indicating the mean deviations. In four cases (SAO 50359, 246574, 230992, and 194902) the image was at the edge of the S201 field, so that part of the density-volume was lost, and the m_L is an upper limit to the true value. When this is taken into account, Fig. 42 shows good correlation with OAO m_{1300} but with a zero-point difference of +0.5 magnitude. Figure 43 shows a similar plot of m_C versus OAO m_{1400} from Table 9. Here again four images are at the edge of field (SAO 50359, 163771, 230992, and 194902), and there is a zero-point difference of 0.4 magnitude. We conclude then that on the average both m_L and m_C values in column 18 of the Revised S201 Catalog listing are probably 0.45 magnitude too high. We consider this to be perhaps due to degradation of the S201 photocathode between the preflight calibration at NRL in early April and the exposures on 21 to 23 April 1972.

The ILi exposures include a diffuse background due to interplanetary Lyman-α emission [2]. This background produced a rather high fog level on the 3-min ILi exposures and made all 10-min ILi exposures unusable due to saturation of the emulsion and/or the microdensitometer.

The camera was pointed at ten preselected target fields (Fig. 2 and Figs 3a, 4a, ..., 12a) during the 48 hours it was deployed, covering about 8% of the entire sky. These included fields of view in and out of the galactic plane, allowing a sampling of both galactic and extragalactic objects. Both the target selection and the observing time on each were largely constrained by the mission time-line, the location of the lunar landing site (9°00′S, 15°31′E), and the position of the camera in the shadow of the lunar module. Negative prints of the best direct-imagery frames for each target are shown in Figs. 3b, 4b, ..., 12b. To provide the final results in this catalog, 56 direct-imagery frames were analyzed in detail (Table 1).

Preliminary results of experiment S201 were given in Ref. 3; other published papers have given details of the imagery and spectrography of the terrestrial upper atmosphere and geocorona [2,4,5], imagery of nebulosities in Cygnus [6], and imagery and spectrography of the Large Magellanic Cloud [7-9].

The first edition of this document, "S201 Catalog of Far-Ultraviolet Objects" (NRL Report 8173, 20 January 1978), gave the results of analysis of the images of stars, and other discrete objects, on the S201 direct-imagery frames. The results were presented as instrumental intensities (density-volumes) for the images, along with conversion factors for estimating the ultraviolet brightnesses of the objects based on the preflight laboratory calibrations of the instrument, and were compared with theoretical predictions for stellar model atmospheres. The present document has a number of improvements in comparison to the first edition: numerous corrections and additions have been made to the tabulated results, the format of the tables has been revised for more convenient use, and the brightnesses of all objects have been placed on an absolute scale of ultraviolet magnitudes based on instrument preflight calibrations. These magnitudes are compared with expectations based on stellar-model-atmosphere flux distributions and with magnitudes obtained from calibrated OAO-2 observations of stars in common. It is found, as a result of the comparison with the OAO-2 results, that the absolute sensitivity of the S201 instrument at the time of the observations was probably a factor of about 0.67 (0.45 stellar magnitude) less than inferred by the preflight calibrations.

DATA ANALYSIS

All 204 S201 frames, including, for example, calibration on frames A1 to A19, stellar imagery on frames A21 to A28, and spectra on frames A48 to A56, were scanned with a PDS microdensitometer in South Pasadena, California, specially tuned by its Boller and Chivens manufacturers to cover the optical density range 0 to 5.2D, where D = log (I_0/I), with I_0/I being the ratio of incident and transmitted light intensities. The output was recorded on 27 seven-track magnetic tapes at 800 bits/inch and with odd parity. These data, after reformatting on new tapes, were deposited with the National Space Science Data Center, Code 601, NASA Goddard Space Flight Center, Greenbelt, MD 20771, on 16 reels numbered D23995 to D24010 inclusive.

The scan matrix was 1024 by 1024 rasters (1024^2 x, y points, or pixels) on all scans except calibration frames, and one raster was 33 μm, corresponding to 1.19 arc-min in the sky. The densitometer spot was 40 μm square. The x direction was parallel to the film edge toward the tail end of the film, which was loaded emulsion up, and the y direction was across the film at 90° clockwise from x (a left-hand coordinate system). Scan speeds of 17.2, 8.6, and 4.3 mm/s were used, requiring 1/2, 1, or 2 hours per frame. The speed was selected according to eye estimates of the density gradients on each frame, with the lowest speed being used for high density gradients. A speed test was undertaken for four star images on frames A191 and A192 and showed that the PDS recording lag [10] reduced the

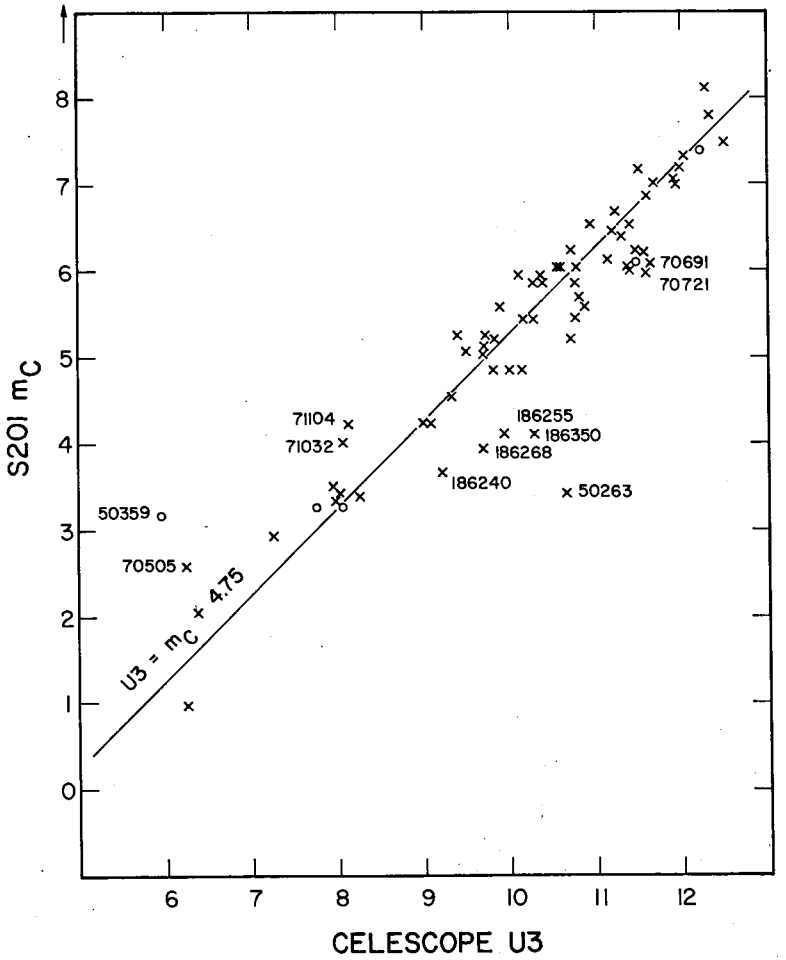

Fig. 40 — Comparison of S201 ultraviolet magnitudes m_L (ILi mode, effective wavelength 1300 Å) with Celescope Catalog [20] U3 magnitudes (effective wavelength approximately 1600 Å)

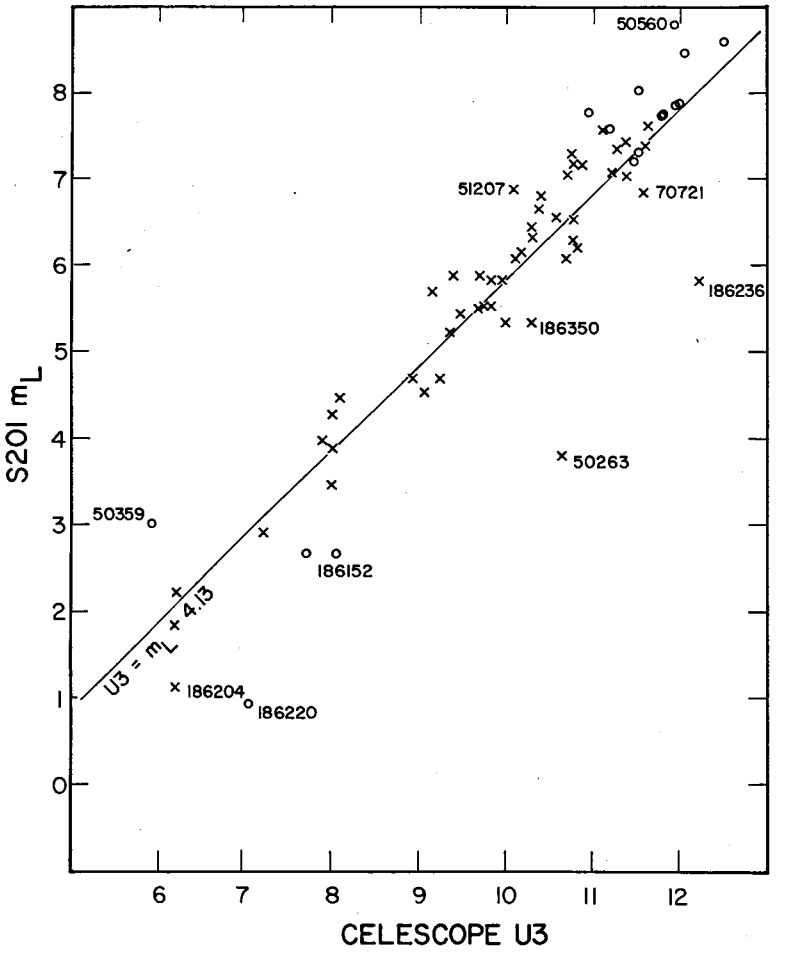

Fig. 41 — Comparison of S201 ultraviolet magnitudes m_C (ICa mode, effective wavelength 1400 Å) with Celescope U3 magnitudes (effective wavelength approximately 1600 Å)

Table 9 — OAO-2 Stars [13] in the Revised S201 Catalog. An "E" in the density-volume columns indicates that part of the density-volume was lost because the image was at the edge of the field of the S201 camera.

(Field) and SAO No.	Spec. Type	Visual Mag.	B - V	ILi Exp. (min)	Max. ILi D-Vol.	Mean m_L	OAO m_{1300}	ICa Exp. (min)	Max ICa D-Vol.	Mean m_C	OAO m_{1400}	Remarks
(Cyg)												
70505	B5 V	4.52	−0.12	1/4,1,3	26832	2.47±0.33	2.21±0.05	3,10,3.7	48912	2.61±0.30	2.17±0.05	—
50180	B5 V	4.77	−0.14	1/4,1,3	35659	2.25±0.36	1.95±0.05	3,10,3.7	52215	2.43±0.33	2.05±0.05	—
50263	06	5.96	+0.05	1/4,1,3	14792	3.90±0.98	3.76±0.05	3,10,3.7	26865	3.41±0.01	3.69±0.05	N. Am. Neb. near
50359	B1 Vn	5.38	−0.22	1/4,1,3	18720E	3.15±0.53	1.50±0.11	3,10,3.7	29214E	3.18±0.13	1.71±0.11	SAO50390 near
71173	B2 Ve	4.42	−0.10	1/4,1,3	40522	2.10±0.28	1.23±0.08	3,10,3.7	69627	2.22±0.24	1.39±0.08	—
50690	08n	4.99	−0.02	1/4,1,3	32004	2.35±0.25	1.86±0.03	3,10,3.7	48507	2.64±0.20	1.93±0.03	In HII region
71329	B0 Ib	5.89	−0.06	1/4,1,3	8400	4.04±0.29	3.02±0.01	3,10,3.7	20836	3.80±0.06	3.03±0.01	—
(Cap)												
163771	B6 III	5.3	—	1,3	16660	2.64±0.32	2.8?±0.2	3,10,30	72000E	3.16±0.57	2.8?±0.2	—
164043	A0p	6.2	—	1,3	1964	5.56±0.43	5.0?±0.1	3,10,30	24146	5.07±0.16	4.9?±0.1	—
(Cet)												
148385	B9 V	4.89	−0.02	1,3	6576	4.73±0.16	4.09±0.04	3,10,8.4	13047	4.37±0.10	4.00±0.04	—
148575	B7 V	4.25	−0.14	1,3	19729	3.16±0.23	1.98±0.01	3,10,8.4	38604	3.05±0.13	1.98±0.01	—
(Pav)												
246574	B2.5 V	1.94	−0.20	1,3	322894E	−0.06±0.00	−1.67±0.09	3	33370	−1.09±?	−1.50±0.09	—
230992	B7 IV	1.74	−0.13	1,3	23600E	3.29±0.28	−0.64±0.04	3	19800E	2.39±?	−0.71±0.04	—
(Men)												
249368	B6 V	5.11	−0.14	1,3	14030	2.90±0.30	2.89±0.05	1/2,3,10,30	44190	3.24±0.30	2.80±0.05	—
249461	B8 V	5.06	−0.08	1,3	5205	4.46±0.12	4.09±0.10	1/2,3,10,30	25104	4.23±0.17	3.91±0.10	—
(Nor)												
244133	B0.5 Ia	5.56	−0.08	1,3	16293	2.63±0.18	2.39±0.02	3,4.1	17042	3.05±0.10	2.42±0.02	SAO244122 near
244226	B1 Ib	3.34	−0.13	1,3	74674	1.05±0.38	−0.15±0.38	3,4.1	82468	1.21±0.02	−0.01±0.08	SAO244669 near
(For)												
168634	B8 V	4.28	−0.12	1,3	25176	2.79±0.09	2.4?±0.2	1/2,3,0.3	17696	2.45±0.33	2.4?±0.2	—
194467	B5 IV	5.00	−0.16	1,3	24997	2.84±0.10	2.00±0.10	1/2,3,0.3	18368	2.44±0.29	2.15±0.10	—
194608	B6 V	5.11	−0.13	1,3	25934	2.81±0.00	2.32±0.15	1/2,3,0.3	18971	2.56±0.22	2.45±0.07	—
169017	A0 III	4.66	−0.14	1,3	10236	4.05±0.34	3.68±0.25	1/2,3,0.3	7614	3.64±0.27	3.48±0.12	—
194902	B8.5 V	3.55	−0.12	1,3	23640E	3.07±0.63	1.8?±0.2	1/2,3,0.3	29796E	2.02±0.42	1.8?±0.2	—
(SgrW)												
210091	B9 IV	1.85	−0.03	1,3	25986	2.29±0.32	2.05±0.27	1/2,3,10,30	122476	2.22±0.54	1.83±0.14	SAO210088 near

Mean $(m_L - m_{1300}) = 0.49$	Mean $(m_C - m_{1400}) = 0.40$

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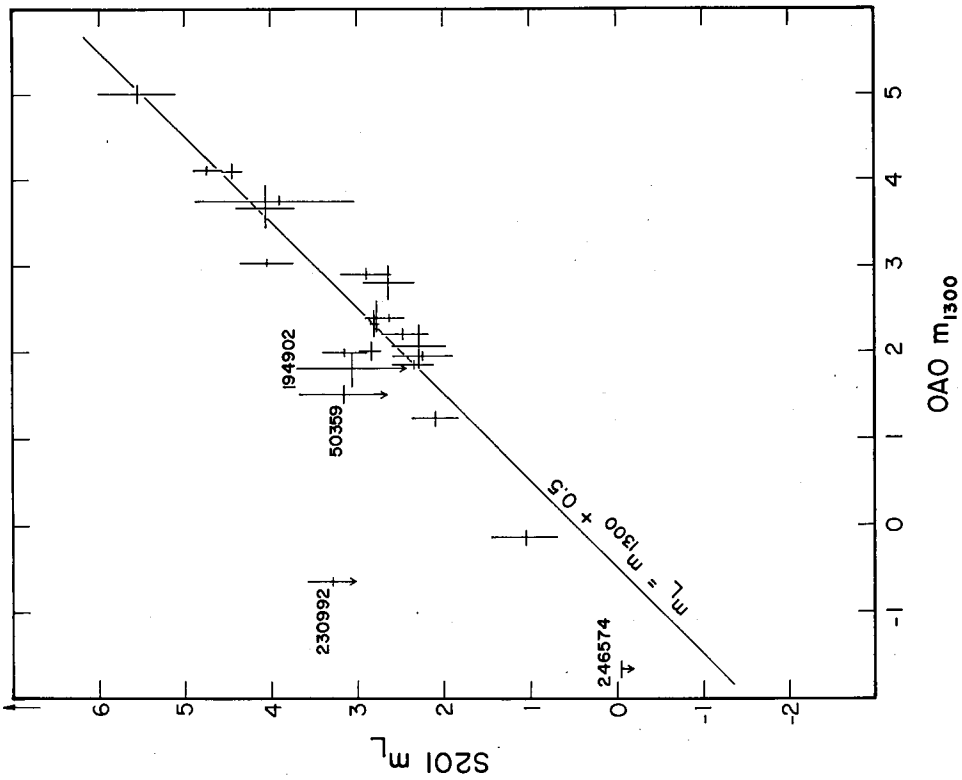

Fig. 42 — Comparison of S201 m_L (1300 Å) magnitudes with UV magnitudes from the University of Wisconsin OAO-2 catalog [13] extrapolated to 1300 Å

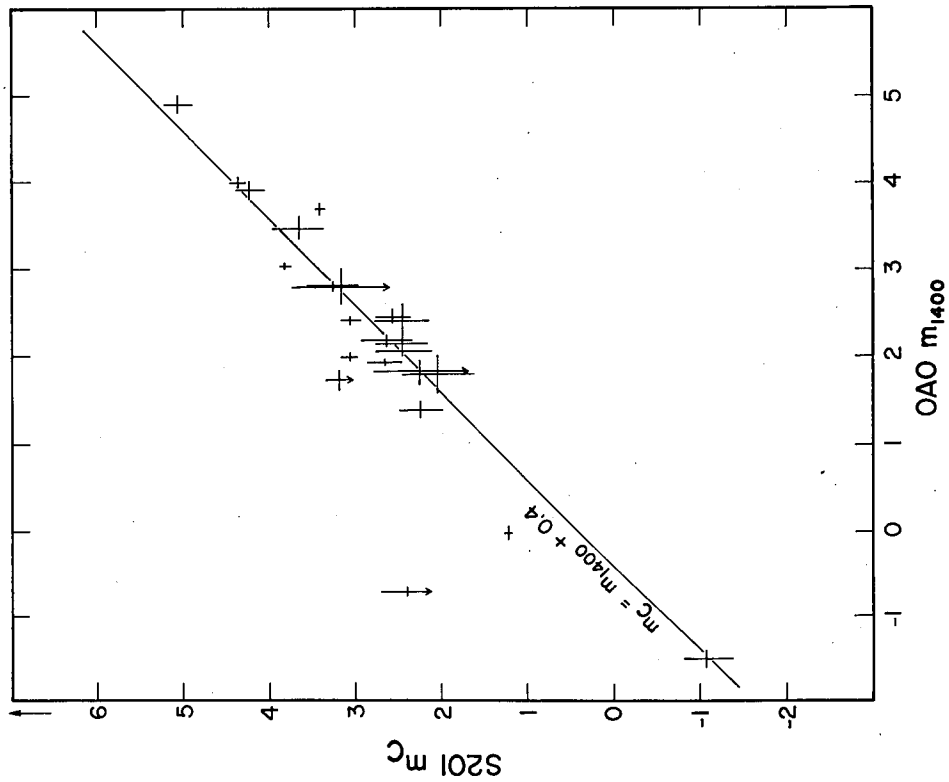

Fig. 43 — Comparison of S201 m_C (1400 Å) magnitudes with UV magnitudes from the University of Wisconsin OAO-2 catalog extrapolated to 1400 Å

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OTHER EXPECTED FAR-UV SOURCES

The goals of the S201 experiment included detecting (in addition to stars) nebulas, galaxies, x-ray sources, and Lyman-α emission from intergalactic hydrogen in clusters of galaxies. Most such sources were not detected by the STAR DETECTION computer program, because faint images were rejected unless they had four or more pixels at least 20 units above background. To measure the far-UV flux from such objects, or to determine more sensitive upper limits than possible using the STAR DETECTION program, mosaics were prepared of the density D_L corrected for nonlinear response as in Eq. (3).

The celestial coordinates (α,δ) 1950 of the expected far-UV sources were converted to scan coordinates x, y on each frame, and the D_L mosaic was inspected near x, y. If there was a maximum (P) in D_L near x, y, this was assumed to be the center of the expected image. Tables 10 through 19 list the density-volumes V within the expected size of these images ($\Delta x \Delta y$ in rasters), together with the background BG where BG is the average of the D_L values on the four sides of the $\Delta x \Delta y$ area. Many of these density-volumes are small, within the background noise, but they represent upper limits to the far-UV flux from each object. Since the density-volumes were determined manually from the mosaic printouts, they do not require a truncation correction. The appropriate background level to be subtracted from the image was determined by hand-plotting D_L versus x and D_L versus y over distances large compared to the expected extent of the image. The limiting sensitivity is a function of the background level (and its associated shot noise) as well as the image surface brightness and total angular extent. Catalogs used for celestial coordinates were the RNGC [21], Catalogue of Galactic Planetary Nebulae [22], the AS&E Catalog of X-ray Sources [23], Abell's Catalog of Clusters of Galaxies [24], the Optical Catalog of Quasi-Stellar Objects [25], de Vaucouleurs' Catalog of Bright Galaxies [26], and Zwicky's catalogs [27].

Column 2 of Tables 10 through 19 uses the abbreviations "Plan. neb." for planetary nebula, "Neb." for nebula, "X-ray" for x-ray source, " "Glob. cl." for globular cluster, "HII" for HII region, "gal." for galaxy, "Com." for compact, "WR" for Wolf-Rayet star, "QSO" for quasi-stellar object, and "Irr." for irregular. Column 4 lists the adopted image size in rasters (1 raster = 1.19 arc-min). A faint stellar image, less than 3 arc-min diameter, is two by two rasters. Column 5 shows the number of pixels (picture elements) summed to get the density-volumes V, in columns 11 and 15 (and 19, 23, and 25 when present). Columns 8 and 12 (and 16, 20, and 25 when present) list the scan coordinates x, y of the maximum-density (P) pixel assumed to be the image center, generally within two or three rasters of the calculated position for the celestial coordinates given in columns 6 and 7.

Nebulas and Globular Clusters

From Table 10, NGC 6992, the northeastern half of the Cygnus Loop, and NGC 7000, the North America Nebula, show clearly on only one frame, A27, a 10-min exposure with CaF_2 filter, with a passband from 1250 to 1600 Å. Also the HII region around 68 Cyg is divided in two parts, excluding the star image: 68 Cyg W (west of the star) and 68 Cyg E. These three (or four) objects were described qualitatively in Ref. 6. The other objects listed in Table 10 are down in the background noise except for the globular cluster NGC 7044 and the planetary nebula A78, for which the values of V increase with exposure time (1, 3, and 10 min on frames A22, A23, and A27) as they should. However, A78 is close to the star SAO 71483, a 7.21-magnitude A0 star 8 arc-min away. Twenty-seven other planetaries are listed in Tables 18 and 19, particularly NGC 1360, which is prominent on three frames, and M2-36, prominent on five frames.

From Table 11, the bright (7'.5) planetary nebula NGC 7009 is clearly detected, and the 9'.3 globular cluster NGC 6981 is probably detected. The earth and geocorona were also measured on these frames.

Table 16 shows that the globular cluster NGC 6362 lies close to a large NO in Norma, whose full extent is shown in the Catalog Listing (object numbers 678 to 680). Table 19 shows that other globular clusters, NGC 6626 and NGC 6656 in Sagittarius, are prominent in all the frames and that the "x-ray burster," NGC 6624, is somewhat erratic, along with NGC 6553, NGC 6637, NGC 6638, and NGC 6723.

There are two nebulas in Sagittarius with strong far-UV flux: NGC 6523 (M8) and NGC 6559. However, the contribution of the diffuse nebulosity is not really distinguishable from that of the associated early-type stars at our resolution. Two x-ray sources (ASE 1757) are strong on frames A119 and A203 in Table 18, but on frame A204 one is off the field and the other is merged with SAO 209568 (an 8′.31 B2 star) . Two others (ASE 1820 and ASE 1822) are also detected.

Galaxies and QSOs

Table 12 shows that the elliptical galaxy NGC 1172 is detected, and Table 13 shows definite detection of NGC 55, NGC 7424, NGC 7552, IC 5332, and NGC 7793. Figure 44 is part of the D_L mosaic of frame A73 with contour lines sketched in around the image of NGC 55. Table 14 shows that two galaxies, NGC 7090 and IC 5152, are detected in Pavo, Table 15 shows that five galaxies are detected in Mensa, Table 16 shows that NGC 6221 and NGC 6300 are possibly detected in Norma, and Table 18 shows that NGC 1365 and NGC 1398 are possibly detected in Fornax.

The overall results of this search are summarized in Table 20. The range of magnitudes of the objects is wide. Perhaps the QSOs (such as listed in Table 11) are too faint to be "expected."

Intergalactic Hydrogen

The groups of galaxies listed in Tables 12, 13, 14, 16, and 18 (in column 1, which uses "gp" for group) have mass discrepancies of a factor of 10 or more [28]; that is, the dynamical mass of each group is more than 10 times the sum of the normal masses of the galaxies in the group. If this discrepancy were due to intergalactic hydrogen in the group, redshifted Lyman-α emission might be detected. (Redshifts range from $z = 0.004$ to 0.008.) These groups are generally several degrees in diameter, covering a large fraction of a frame. If they were Lyman-α sources, there would be difference in background inside the group and inside and outside on ILi frames. Therefore, background density at the group center is listed under P, and the average background density for two or more regions outside the group is listed under BG. In all cases, except for the Pavo group (Table 14) and possibly the Eridanus and Grus groups (Tables 12 and 13), the ILi difference $P - BG$ is less than 5 units (0.05D), which in a 3-min exposure, corresponds to a Lyman-α surface brightness of 28R (based on the preflight calibration).

The results of the search for Lyman-α emission from groups of galaxies are summarized in Table 21. There are about the same number of positive and negative values of $P - BG$. The ICa values are mostly zero, because background is much lower and more uniform on ICa frames, and $P - BG$ would not be affected by Lyman-α emission. For intergalactic Lyman-α emission to be redshifted sufficiently for detection in the ICa frames, a recession velocity of at least 12,000 km/s ($z = 0.041$, or $\Delta\lambda = 50$ Å) would be required. This corresponds to a distance of at least 220 Mpc.

Table 10 — Expected Far-UV Objects in Cygnus,

$21^h{:}24^m + 37°{:}30'$
$\pm 50^m \pm 10°$

Object	Type	Ref.	Δx, Δy	Size, Pixels	No. of R.A. (1950)	Dec.	Frame A22, 1ᵐILi				Frame A23, 3ᵐILi				Frame A27, 10ᵐICa			
							x, y	P	BG	V	x, y	P	BG	V	x, y	P	BG	V
He2-468	Plan. neb.	7	2 × 2	4	$20^h{:}39.4^m$	+34°33′	943,680	61	59	6	939,681	129	127	8	943,667	24	22	5
	X-ray	8	2 × 2	4	20:50	+30:45	824,877	72	61	26	818,869	139	134	15	830,864	24	22	7
NGC6992	Loop neb.	3	13 × 56*	696	20:54.4	+31:29	—	—	—	—	—	—	—	—	784,825	59	20	12469
NGC7000	N. Am. neb.	3	29 × 65*	1107	20:57.4	+44:36	—	—	—	—	—	—	—	—	792,167	43	27	11222
NGC7027	Plan. neb.	7	2 × 2	4	21:05.2	+42:02	701,294	69	63	24	705,297	139	135	18	706,287	22	20	11
NGC7044	Glob. cl.	6	4 × 4	16	21:11.0	+42:17	656,280	64	60	35	652,280	136	129	49	657,275	23	21	8
NGC7048	Plan. neb.	7	2 × 2	4	21:12.4	+46:04	673,89	61	56	13	669,92	125	123	9	670,80	33	30	9
68CygW	HII	3	29 × 34*	561	21:14.5	+43:30	—	—	—	—	—	—		—	634,211	43	27	5089
MI-77	Plan. neb.	7	2× 2	4	21:17.3	+46:06	632,83	56	54	3	631,86	122	120	6	628,81	21	20	5
68CygE	HII	3	29 × 45*	673	21:19.3	+43:44	—	—	—	—	—	—	—	—	594,201	42	27	5834
NGC7062	Glob. cl.	6	2 × 2	4	21:21.3	+46:10	598,79	55	54	5	593,81	123	121	7	593,76	22	22	2
VZw72	Com. gal.	12	2 × 2	4	21:30	+29:55	407,882	64	61	9	406,882	125	122	7	407,883	21	19	4
VZw71	Com. gal	12	2 × 2	4	21:30	+34:18	441,667	69	67	7	435,665	148	144	14	435,667	45	35	31
ASE 2130	X-ray	8	2 × 2	4	21:30	+47:02	531,30	55	53	5	529,30	118	117	5	534,24	22	21	4
IC5117	WR plan. neb.	7	3 × 3	9	21:30.6	+44:22	504,159	60	56	17	501,162	122	121	5	501,155	22	20	7
Hu1-2	Plan. neb.	7	2 × 2	4	21:31.1	+39:25	464,408	63	62	7	461,410	144	140	13	463,403	24	20	9
A78	Plan. neb.	7	4 × 5	20	21:33.4	+31:28	386,798	67	61	63	380,799	148	130	141	387,796	68	31	326
SA071483?	$A0,7^m \cdot 2$																	
Cyg X-2	X-ray	8	2 × 2	4	21:42	+38:05	353,457	63	62	1	349,458	130	128	6	353,453	23	20	8
SS Cyg	sdBe var.		4 × 5*	15	21:40.7	+43:20	—	—	—	—	405,206	122	117	41	408,203	23	18	54

*Irregular area on the mosiac.

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Table 11 — Expected Far-UV Objects in Capricorn,

$21^h{:}24^m - 14°{:}30'$
$\pm 41^m \pm 10°$

Object	Type	Ref.	Size, Δx, Δy	No. of Pixels	R.A. (1950)	Dec.	Frame A40, 1^mILi				Frame A46, 30^mICa			
							x, y	P	BG	V	x, y	P	BG	V
NGC6981	Glob. cl.	6	3 × 3	9	$20^h{:}51^m$	−12°:45′	707,282	126	124	11	705,286	30	24	25
NGC7009	Plan. neb.	7	5 × 5	25	21:01.5	−11:34	578,306	186	167	165	563,300	89	50	330
NGC7065	2 SB gals.	11	4 × 4	16	21:24	−07:15	246,268	104	101	25	230,261	17	17	3
PKS2128	QSO	10	2 × 2	4	21:29	−12:20	324,520	184	178	16	309,515	27	26	4
PKS2135	QSO	10	2 × 2	4	21:35	−14:46	321,653	153	151	7	308,657	25	22	6
PKS2143	QSO	10	2 × 2	4	21:43.6	−15:42	257,748	114	111	11	251,748	22	20	7
PKS2144	QSO	10	2 × 2	4	21:44	−17:54	306,850	94	93	3	300,843	30	25	22
PKS2146	QSO	10	2 × 2	4	21:47	−13:18	160,671	97	96	2	144,662	47	32	54
PKS2044	QSO	10	2 × 2	4	20:44.5	−16:50	878,433	108	105	10	867,424	21	19	6

Table 12 — Expected Far-UV Objects in Cetus,

$02^h{:}44^m - 14°{:}30'$
$\pm 41^m \pm 10°$

Object	Type	Ref.	Size, Δx, Δy	No. of Pixels	R.A. (1950)	Dec.	Frame A59, 3^mILi				Frame A63, 10^mICa			
							x, y	P	BG	V	x, y	P	BG	V
NGC 908	Sc gal.	11	4 × 4	16	$02^h{:}21^m$	−20°:56′	248,841	76	74	15	191,787	18	17	17
IZw7	Com. gal.	12	2 × 2	4	02:35	−09:38	789,631	74	75	0	730,575	16	16	0
NGC1022	Spec. gal.	11	2 × 2	4	02:36	−06:53	923,610	82	78	11	862,553	15	15	2
NGC1035	SB gal.	11	2 × 2	4	02:37	−08:20	851,603	70	73	0	788,543	20	17	11
PKSo237	QSO	10	2 × 2	4	02:37.9	−23:22	124,650	64	64	2	63,596	15	16	0
NGC1052	E3 gal.	11	2 × 2	4	02:39	−08:42	832,579	77	75	7	771,519	16	16	2
NGC1052 gp	6 gals.	11	25		02:40	−08	865,565	76	73	—	805,507	15	15	—
PKS0240	QSO	10	2 × 2	4	02:40.7	−06:04	960,551	78	76	6	903,491	17	16	4
Cetus I gp	12 gals.	11	600		02:41	−06	964,547	74	78	—	905,489	16	16	—
NGC1084	Sc gal.	11	2 × 2	4	02:44	−07:47	872,515	74	73	6	811,456	17	16	4
IZw8	Com. gal.	12	2 × 2	4	02:46	−09:08	806,494	78	76	6	745,435	18	16	8
NGC1140	Irr. gal.	11	2 × 2	4	02:52	−10:14	746,424	77	74	12	687,370	15	15	4
NGC1172	E1 gal.	11	2 × 2	4	02:59	−15:02	510,367	80	78	5	452,316	22	16	26
NGC1199	E3 gal.	11	2 × 2	4	03:01	−15:48	472,351	77	75	8	414,300	15	15	3
NGC1209	E6 gal.	11	2 × 2	4	03:04	−15:48	469,312	78	75	7	411,263	17	16	6
Eridanus gp	19 gals.	11	750		03:11	−21	213,260	70	72	—	152,202	17	17	—
NGC1297	E2 gal.	11	2 × 2	4	03:17	−19:16	291,180	69	69	0	232,121	15	16	0
NGC1309	Sc gal.	11	2 × 2	4	03:20	−15:35	466,117	72	70	6	409,62	20	17	11

Table 13a — Expected Far-UV Objects in Grus,

$23^h{:}34^m - 42°{:}30'$

$\pm 53^m \pm 10°$

Object	Type	Ref.	Size, Δx, Δy	No. of Pixels	R.A. (1950)	Dec.	Frame A68, 1ᵐILi				Frame A69, 3ᵐILi				Frame A73, 10ᵐICa			
							x, y	P	BG	V	x, y	P	BG	V	x,y	P	BG	V
NGC7410	SBO gal.	11	3 × 3	9	$22^h{:}52^m$	−39°:54′	218,786	53	51	9	212,784	112	107	35	191,787	18	17	0
IC5267	SO gal.	11	3 × 3	9	22:54	−43:43	178,596	53	50	16	176,599	105	105	0	153,601	21	18	11
NGC7421	SBa gal.	11	2 × 2	4	22:54	−37:37	265,884	54	53	7	262,888	116	113	11	239,888	17	18	0
NGC7424	Sc gal.	11	6 × 6	36	22:55	−41:20	225,707	54	51	22	219,709	112	109	43	194,711	22	17	57
NGC462	SBc gal.	11	3 × 3	9	23:00	−41:06	274,704	58	56	10	269,704	121	118	19	245,704	19	18	6
NGC7496	SBa gal.	11	3 × 3	9	23:07	−43:42	287,555	57	55	11	286,560	122	120	5	263,564	19	16	21
Grus gp	20 gals.	11	250		23:08	−43	307,587	57	56	—	305,589	121	117	—	282,590	16	16	—
NGC7496A	SBc gal.	11	2 × 2	4	23:10	−43:03	322,579	58	57	4	320,581	123	122	4	297,582	17	16	5
NGC7552	SBa gal.	11	3 × 3	9	23:14	−42:53	359,574	60	57	24	355,573	129	124	21	333,574	18	16	8
NGC7590	Sb gal.	11	2 × 2	4	23:16	−42:31	380,581	57	57	0	377,581	122	125	0	356,582	15	16	0
NGC7582	SBa gal.	11	3 × 3	9	23:16	−42:37	378,577	59	57	6	376,577	126	125	8	354,578	17	16	4
PKS2326	QSO	10	2 × 2	4	23:26.6	−47:47	364,312	55	53	8	363,310	114	112	6	337,310	18	16	4
PKS2329	QSO	10	2 × 2	4	23:29.3	−38:28	566,708	61	59	6	566,710	133	128	7	544,707	19	17	7
IC5332	Sc gal.	11	5 × 4*	16	23:32	−36:22	630,788	60	55	33	627,795	125	119	68	603,794	24	17	74
NGC7744	SO gal.	11	2 × 2	4	23:42	−43:12	573,444	54	52	4	571,444	114	113	9	548,447	17	16	4
NGC7764	Irr. gal.	11	2 × 2	4	23:48	−41:01	669,510	55	54	5	667,510	122	120	11	644,514	20	18	9
QSO2350	QSO	10	2 × 2	4	23:50.1	−33:53	849,818	52	51	2	842,819	111	109	5	822,821	19	18	4
PKS2352	QSO	10	2 × 2	4	23:52.9	−45:30	603,294	58	55	7	602,303	118	116	5	578,303	17	16	4
QSO2355	QSO	10	2 × 2	4	23:55.1	−36:25	834,681	54	52	5	830,683	114	112	6	806,680	19	18	2
QSO2357	QSO	10	2 × 2	4	23:57.1	−34:52	886,737	54	52	7	881,744	112	109	9	861,739	17	16	4
QSO0000	QSO	10	2 × 2	4	00:00.5	−39:49	794,503	55	54	1	792,508	117	115	5	767,510	19	18	1
QSO0002	QSO	10	2 × 2	4	00:02.3	−42:13	752,394	54	52	6	750,393	116	114	7	727,392	18	17	3
QSO0007	QSO	10	2 × 2	4	00:07.7	−35:21	—	—	—	—	—	—	—	—	942,665	19	18	4
NGC 55	Sc gal.	11	19 × 15*	156	00:13.5	−39:30	903,458	54	49	212	904,458	112	106	870	879,463	36	17	1050

*Irregular area on the mosaic.

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Table 13b — Expected Far-UV Objects in Grus,

$23^h{:}54^m{-}40°{:}30'$
$\pm 53^m \pm 10°$

Object	Type	Ref.	Size, Δx, Δy	No. of Pixels	R.A. (1950)	Dec.	Frame A88, 1^mILi				Frame A94, 30^mICa			
							x, y	P	BG	V	x, y	P	BG	V
NGC7496	SBa gal.	11	3 × 3	9	$23^h{:}07^m$	−43°:42′	78,531	49	46	20	60,524	24	22	18
Grus gp	20 gals.	11	250		23:08	−43	97,565	46	53	—	79,556	21	23	—
NGC7496A	SBc gal.	11	2 × 2	4	23:10	−43:03	112,555	49	47	10	96,549	22	21	3
NGC7552	SBa gal.	11	3 × 3	9	23:14	−42:53	155,552	52	48	23	132,543	33	22	60
NGC7590	Sb gal.	11	2 × 2	4	23:16	−42:31	176,566	49	48	4	158,557	25	23	8
NGC7582	SBa gal.	11	3 × 3	9	23:16	−42:37	174,561	50	48	11	156,552	21	21	0
PKS2326	QSO	10	2 × 2	4	23:26.6	−47:47	177,285	50	49	3	159,276	26	24	6
PKS2329	QSO	10	2 × 2	4	23:29.3	−38:28	359,709	57	56	4	342,703	31	30	1
IC5332	Sc gal.	11	11 × 4*	38	23:32	−36:22	420,793	55	53	22	400,786	30	25	147
NGC7744	SO gal.	11	2 × 2	4	23:42	−43:12	377,445	57	56	6	362,440	24	22	8
ASE2346	X-ray	8	3 × 3	9	23:46	−32:01	626,934	52	49	19	606,931	26	24	11
NGC7764	Irr. gal.	11	2 × 2	4	23:48	−41:01	471,515	57	55	8	453,512	24	21	10
QSO2350	QSO	10	2 × 2	4	23:50.1	−33:53	630,825	53	52	3	607,824	27	26	4
PKS2352	QSO	10	2 × 2	4	23:52.9	−45:30	421,303	56	54	5	402,290	26	24	6
NGC7793	Sd gal.	11	7 × 7	49	23:55	−32:51	695,846	52	50	93	676,845	46	30?	519
QSO2355	QSO	10	2 × 2	4	23:55.1	−36:25	620,687	57	55	8	606,681	25	23	5
QSO2357	QSO	10	2 × 2	4	23:57.1	−34:52	668,746	57	54	6	655,745	25	24	3
QSO0000	QSO	10	2 × 2	4	00:00.5	−39:49	592,514	56	53	8	581,507	22	19	8
QSO0002	QSO	10	2 × 2	4	00:02.3	−42:13	562,404	57	55	4	543,398	20	19	4
QSO0007	QSO	10	2 × 2	4	00:07.7	−35:21	—	—	—	—	735,670	25	24	4
NGC 55	Sc gal.	11	21 × 16*	247	00:13	−39:30	—	—	—	—	684,465	63	22	3300
NGC 134	Sb gal.	11	6 × 6	36	00:27	−33:32	—	—	—	—	954,659	24	22	6
NGC 134 gp	8 gals.	11	300	—	00:28	−33:30	—	—	—	—	962,654	22	22	—

*Irregular area on the mosaic

Table 14 — Expected Far-UV Objects in Pavo,

$21^h{:}14^m - 52°{:}12'$
$\pm 65^m \pm 10°$

Object	Type	Ref.	Size, $\Delta x, \Delta y$	No. of Pixels	R.A. (1950)	Dec.	Frame A118, 1^{m}ILi				Frame A121, 30^{m}ICa			
							x, y	P	BG	V	x, y	P	BG	V
NGC6893	S0 gal.	11	2 × 2	4	$20^h{:}17^m$	−48°:25'	144,205	115	114	6	136,198	16	15	4
NGC6970	SB0 gal.	11	2 × 2	4	20:49	−48:59	279,433	128	127	5	274,427	20	18	11
NGC7029	E6 gal.	11	2 × 2	4	21:08	−49:30	384,550	141	140	4	370,543	18	17	4
NGC7041	S0 gal.	11	2 × 2	4	21:13	−48:35	364,609	148	145	12	357,604	20	18	6
Pavo gp	30 gals.	11	650		21:26	−53	594,556	135	125	—	584,551	17	17	—
NGC7049	S0 gal.	11	2 × 2	4	21:16	−48:47	388,623	147	143	16	378,618	19	17	10
NGC7079	S0 gal.	11	2 × 2	4	21:29	−44:18	270,845	127	124	9	257,841	18	18	0
NGC7090	SBc gal.	11	6 × 6	36	21:33	−54:47	691,536	139	135	145	682,536	18	17	39
NGC7144	E0 gal.	11	2 × 2	4	21:50	−48:29	535,849	133	130	12	526,845	22	19	14
IC5152	Irr. gal.	11	4 × 4	16	22:00	−51:32	696,800	134	130	73	689,795	24	18	61
NGC7205	Sb gal.	11	3 × 3	9	22:05	−57:40	939,610	117	114	16	929,607	18	16	13
PKS2204	QSO	10	2 × 2	4	22:04.4	−54:01	809,734	124	121	8	802,730	19	17	5

Table 15 — Expected Far-UV Objects in Mensa,

$05^h{:}50^m - 74°{:}00'$

$\pm 2{:}25 \pm 10°$

Object	Type	Ref.	Size, $\Delta x, \Delta y$	No. of Pixels	R.A. (1950)	Dec.	Frame A124, 1^{m}ILi				Frame A125, 3^{m}ILi				Frame A129, 10^{m}ICa				Frame A130, 30^{m}ICa			
							$\Delta x, \Delta y$	P	BG	V	$\Delta x, \Delta y$	P	BG	V	$\Delta x, \Delta y$	P	BG	V	$\Delta x, \Delta y$	P	BG	V
NGC2397A	Sc gal.	11	2 × 2	4	$07^h{:}21^m$	−68°:45'	675,88	155	153	7	679,94	482	473	27	678,88	61	59	7	679,86	143	139	16
NGC2397	SBa gal.	11	2 × 2	4	07:22	−68:54	666,92	151	148	12	670,92	505	481	59	669,93	61	61	3	671,92	143	139	10
NGC2434	E0 gal.	11	2 × 2	4	07:35	−69:10	635,45	183	176	15	633,43	648	596	158	636,48	70	69	6	637,44	160	158	7
NGC2442	SBa gal.	11	5 × 5	25	07:37	−69:25	618,43	187	180	78	620,44	634	620	171	621,43	67	69	15	621,39	160	161	42
NGC2466	Sc gal.	11	2 × 2	4	07:46	−71:17	518,62	147	148	0	520,63	545	525	57	522,59	60	59	5	522,59	139	137	9

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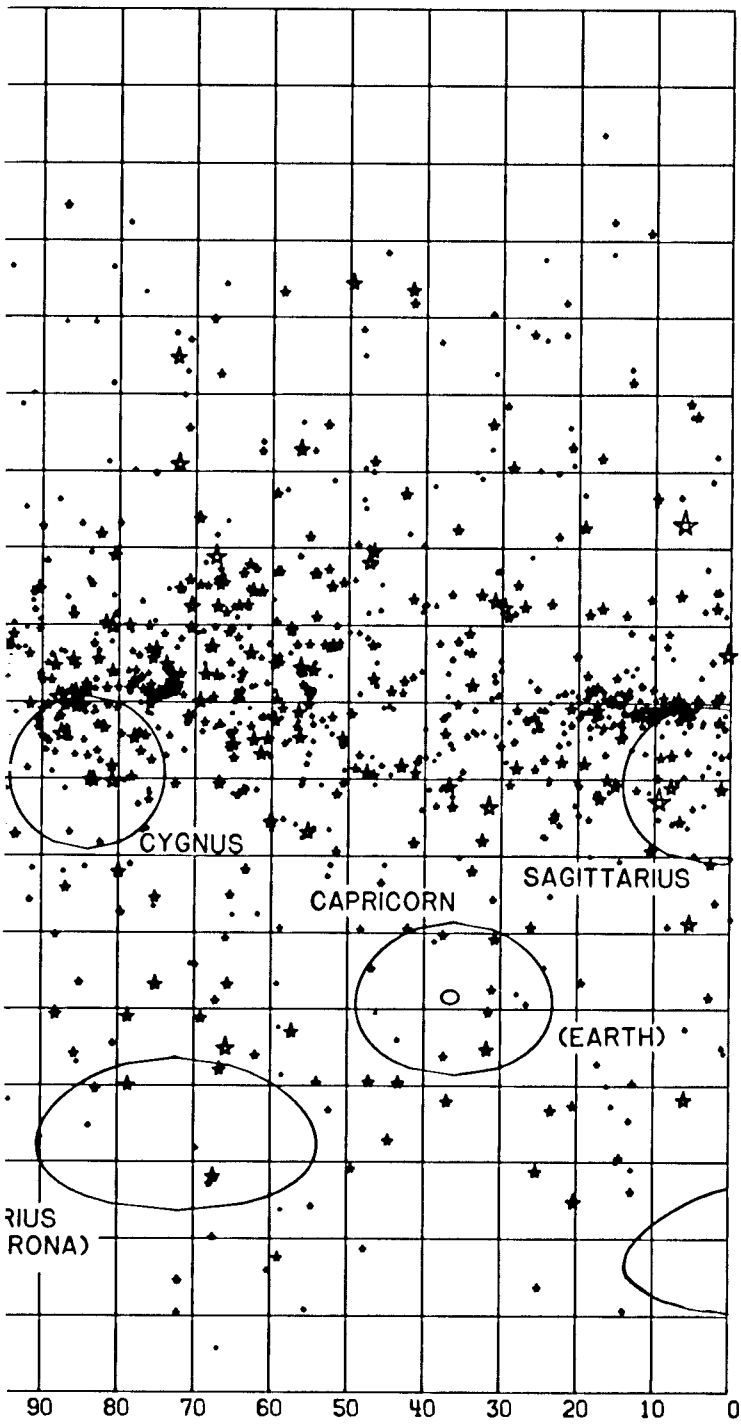

Table 16 — Expected Far-UV Objects in Norma,

$17^h{:}24^m - 59°{:}04'$

$\pm 80^m \pm 10°$

Object	Type	Ref.	Size, Δx, Δy	No. of Pixels	R.A. (1950)	Dec.	Frame A144, 1^mILi				Frame A145, 3^mILi				Frame A149, 4^mICa			
							x, y	P	BG	V	x, y	P	BG	V	x, y	P	BG	V
NGC6087	Glob. cl.	6	3 × 3	9	$16^h{:}14^m$	−57°:50′	673,77	174	171	10	675,75	630	609	84	678,74	73	71	14
ASE1637	X-ray	8	2 × 2	4	16:37	−53:41	419,109	119	116	15	418,106	448	446	20	422,104	40	37	19
ASE1639	X-ray	8	2 × 2	4	16:39	−62:43	781,336	100	96	19	779,337	277	268	34	777,334	27	25	9
NGC6208	Glob. cl.	6	3 × 3	9	16:45	−53:46	393,166	104	104	2	391,164	346	342	20	397,164	31	28	14
NGC6215	Sc gal.	11	2 × 2	4	16:47	−58:55	598,298	101	101	3	596,293	298	292	24	599,290	29	26	11
NGC6221	SBc gal.	11	3 × 3	9	16:49	−59:08	602,312	102	98	15	602,309	286	285	12	600,307	34	27	34
NGC6253	Glob. cl.	6	2 × 2	4	16:55	−52:39	307,208	95	93	5	308,207	284	278	27	311,205	26	25	4
NGC6300 gp	10 gals.	11	500		17:07	−63	720,486	86	81	—	720,484	230	253	—	721,483	30	26	—
NGC6300	SBb gal.	11	3 × 3	9	17:12	−62:46	702,509	86	84	15	698,508	231	225	40	701,504	31	29	17
NGC6326	Plan. neb.	7	2 × 2	4	17:16.8	−51:42	203,338	82	81	6	198,336	218	213	18	200,335	28	25	12
NGC6362	Glob. cl.	6	3 × 3	9	17:26	−67:01	860,649	152	75	579	858,649	490	193	2329	859,647	296	49?	1683
IC4662	Irr. gal.	11	2 × 2	4	17:42	−64:39	732,696	79	77	8	729,695	205	197	30	730,694	27	25	5
NGC6630	Neb.	6	2 × 2	4	18:28	−63:17	614,933	78	72	20	610,936	195	188	31	612,931	36	29	24
IC4723	Neb.	6	2 × 2	4	18:30	−64	645,944	76	71	13	638,949	202	195	23	641,945	30	27	11

Table 17a — Expected Far-UV Objects in Aquarius,

$22^h{:}56^m - 04°{:}36'$
$\pm 40^m \pm 10°$

Object	Type	Ref.	Size, Δx, Δy	No. of Pixels	R.A. (1950)	Dec.	Frame A151, 1^{m}ILi				Frame A152, 3^{m}ILi				Frame A157, 30^{m}ICa			
							x, y	P	BG	V	x, y	P	BG	V	x, y	P	BG	V
PKS2223	QSO	10	2 × 2	4	$22^h{:}23.2$	−05°:12′	926,499	133	129	6	926,494	438	432	28	946,497	27	26	4
QSO225	QSO	10	2 × 2	4	22:25.9	−05:34	896,511	128	123	12	899,510	375	370	61	916,512	28	26	5
NGC7309	Sb gal.	11	2 × 2	4	22:32	−10:37	819,769	106	104	8	820,770	312	307	20	838,772	24	24	5
IIZw183	Com. gal.	6	2 × 2	4	22:38	−02:41	733,377	80	78	5	737,380	204	201	11	754,376	24	22	6
NGC7371	Sa gal.	11	2 × 2	4	22:43	−11:16	685,808	84	83	3	689,807	229	226	14	703,813	25	24	7
PKS2243	QSO	10	2 × 2	4	22:43.7	−12:23	683,869	83	80	9	680,863	210	206	9	698,869	24	23	4
NGC7393	SBb gal.	11	2 × 2	4	22:49	−05:49	609,539	76	74	8	610,541	193	190	15	624,543	28	22	14
PKS2254	QSO	10	2 × 2	4	22:54.7	02:27	530,133	61	59	5	533,132	236	176	192	549,137	20	19	4
PKS2256	QSO	10	2 × 2	4	22:56.4	01:48	506,171	61	59	7	508,172	136	130	15	526,169	21	20	3
NGC7443-4	SO gal.	11	2 × 2	4	22:57	−13:06	521,910	68	65	9	524,915	171	168	5	543,911	24	23	4
IIIZw92	Com. gal.	6	2 × 2	4	23:02	−01:45	447,352	68	67	2	448,355	160	158	7	465,354	20	19	3
IIIZw97	Com. gal.	6	2 × 2	4	23:13	−01:31	316,352	57	56	4	318,353	130	130	6	330,352	21	20	4
NGC7576	SO gal.	11	2 × 2	4	23:15	−05:01	298,524	62	60	6	301,328	140	138	10	319,528	22	22	4
NGC7585	S gal.	11	2 × 2	4	23:15	−04.56	299,519	62	60	6	300,522	140	138	9	319,524	20	20	0
NGC7592	SO gal.	11	2 × 2	4	23:16	−04:42	286,514	62	60	6	289,514	139	138	7	305,510	22	20	5
NGC7600	E6 gal.	11	2 × 2	4	23:16	−07:52	293,669	61	60	3	296,669	145	143	7	313,671	22	21	4
NGC7606	Sa gal.	11	5 × 5	25	23:16	−08:46	292,713	61	59	6	296,713	143	142	48	314,715	26	25	12
PKS2320	QSO	10	2 × 2	4	23:20.9	−03:34	224,454	54	53	4	221,454	125	123	4	242,462	21	20	3

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Table 17b — Expected Far-UV Objects in Aquarius,

$23^h{:}16^m - 03°{:}18'$
$\pm 40^m \pm 10°$

Object	Type	Ref.	Size, Δx, Δy	No. of Pixels	R.A. (1950)	Dec.	Frame A171, 1^mILi				Frame A172, 3^mILi				Frame A177, 30^mICa			
							x,y	P	BG	V	x,y	P	BG	V	x, y	P	BG	V
IIZw183	Com. gal.	6	2 × 2	4	$22^h{:}38^m$	−02°:41′	970,448	116	116	5	977,457	390	382	42	983,449	24	23	3
NGC7393	SBb gal.	11	2 × 2	4	22:49	−05:49	841,607	124	119	15	841,613	335	331	22	851,619	22	21	4
PKS2254	QSO	10	2 × 2	4	22:54.7	02:27	754,201	72	69	9	757,211	159	156	10	768,205	20	19	4
PKS2256	QSO	10	2 × 2	4	22:56.4	01:48	734,239	73	72	3	735,242	163	160	10	746,243	21	19	5
IIIZw92	Com. gal.	6	2 × 2	4	23:02	−01:45	676,418	80	80	4	673,417	195	193	7	685,421	16	17	−1
IIIZw97	Com. gal.	6	2 × 2	4	23:13	−01:31	541,422	67	65	6	543,422	164	159	19	553,420	18	17	5
NGC7576	SO gal.	11	2 × 2	4	23:15	−05:01	525,595	73	71	6	527,598	173	170	14	536,598	19	19	3
NGC7585	S gal.	11	2 × 2	4	23:15	−04:56	525,591	71	70	2	526,590	174	172	7	536,594	17	17	1
NGC7592	SO gal.	11	2 × 2	4	23:16	−04:42	514,578	73	72	6	513,585	170	166	16	525,582	29	24	15
NGC7600	E6 gal.	11	2 × 2	4	23:16	−07:52	522,738	74	72	8	522,740	177	175	8	533,741	21	21	2
NGC7606	Sa gal.	11	5 × 5	25	23:16	−08:46	521,781	70	69	4	523,787	176	171	14	535,790	26	26	1
PKS2318	QSO	10	2 × 2	4	23:18.2	04:57	470,797	61	60	4	472,108	124	122	7	482,106	20	18	5
PKS2320	QSO	10	2 × 2	4	23:20.9	−03:34	455,532	74	68	14	453,534	157	156	4	468,526	18	17	4
NGC7731	SBO gal.	11	2 × 2	4	23:39	03:28	219,194	49	49	2	219,199	113	112	6	233,199	20	20	3
NGC7732	Sc gal.	11	2 × 2	4	23:39	03:27	219,194	49	49	2	219,199	113	112	6	233,199	20	20	3
IIZw116	Com. gal.	6	2 × 2	4	23:39	−01:36	230,449	53	52	2	232,451	121	120	5	243,449	19	18	8
PKS2340	QSO	10	2 × 2	4	23:40.4	−03:40	219,553	57	55	7	218,557	128	126	7	232,555	19	18	3
PKS2351	QSO	10	2 × 2	4	23:51.6	−00:36	71,406	46	45	2	75,408	108	106	6	85,410	20	19	4

Table 18 — Expected Far-UV Objects in Fornax,

$03^h{:}42^m - 27°{:}20'$

$\pm 45^m \pm 10°$

Object	Type	Ref.	Size, Δx, Δy	No. of Pixels	R.A. (1950)	Dec.	Frame A191, 1^{m}ILi				Frame A192, 3^{m}ICa				Frame A195, 3^{m}ICa			
							x,y	P	BG	V	x,y	P	BG	V	x,y	P	BG	V
NGC1255	Sc gal.	11	3 × 3	9	$03^h{:}11^m$	−25°:58′	456,856	40	38	8	451,854	100	95	23	414,861	19	17	6
Eridanus gp	19 gals.	11	750		03:11	−21	672,939	39	37	—	672,939	91	85	—	634,944	20	15	—
NGC1300	SBb gal.	11	5 × 5	25	03:18	−19:35	769,887	38	36	1	770,886	84	79	40	727,884	21	18	1
QS00321	QSO	10	2 × 2	4	03:21.7	−33:45	145,611	38	36	4	143,607	74	72	5	102,614	16	15	2
NGC1332-1	S0-E2 gals.	11	3 × 3	9	03:24	−21:31	701,785	47	38	43	705,784	84	82	10	666,788	18	16	6
NGC1350	SBc gal.	11	3 × 3	9	03:29	−33:47	166,535	36	34	8	169,533	76	74	9	131,541	17	16	0
For C1	30 gals.	9	150		03:30	−36:06	64,489	31	33	—	64,489	68	72	—	24,494	15	15	—
NGC1360	Plan. neb.	7	7 × 7	37	03:31.2	−26:01	529,637	115	39	792	530,637	376	88	2840	491,642	103	16	1081
NGC1365	SBb gal.	11	8 × 8	64	03:32	−36:18	63,464	33	31	36	66,460	71	69	55	21,473	17	15	-6
IZw13	Com. gal.	12	2 × 2	4	03:33	−35:20	112,474	35	34	2	114,473	76	74	6	71,470	18	16	7
QS00334	QSO	10	2 × 2	4	03:34.0	−35:59	83,453	34	33	3	84,453	75	73	5	44,455	18	17	2
NGC1379	E0 gal.	11	2 × 2	4	03:34	−35:37	101,460	34	33	3	100,462	74	73	3	60,460	17	16	3
NGC1380	S0 gal.	11	3 × 3	9	03:35	−35:09	129,465	36	35	2	131,458	77	75	4	92,462	17	16	5
NGC1400	E1 gal.	11	2 × 2	4	03:37	−18:46	881,684	34	33	3	882,683	73	73	3	842,688	16	15	4
NGC1398	SBb gal.	11	5 × 5	25	03:37	−26:30	524,570	41	39	15	523,566	86	83	30	492,570	19	17	-2
NGC1399	E0 gal.	11	2 × 2	4	03:37	−35:37	111,429	34	33	2	110,433	74	74	2	69,431	18	17	2
NGC1404	E1 gal.	11	2 × 2	4	03:37	−35:45	102,429	35	34	4	106,431	74	73	4	61,431	17	15	5
NGC1407	E0 gal.	11	2 × 2	4	03:38	−18:44	888,673	34	33	6	888,672	75	73	6	850,677	17	15	6
PKS0402	QSO	10	2 × 2	4	04:02.0	−36:13	158,176	33	32	7	157,176	67	68	-1	120,181	17	15	8
NGC1518	Sc gal.	11	3 × 3	9	04:05	−21:18	866,338	44	39	17	861,334	80	78	13	820,345	19	17	8
NGC1521	E3 gal.	11	2 × 2	4	04:06	−21:11	871,323	36	34	6	868,324	79	77	5	831,328	16	15	4
NGC1531-2	?SBa gals.	11	5 × 5	25	04:10	−33:00	330,139	37	34	18	331,135	81	78	19	296,142	19	17	21

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Table 19 — Expected Far-UV Objects in Sagittarius,

$18^h{:}34^m - 30°{:}24'$
$\pm 46^m \pm 10°$

Object	Type	Ref.	Size, Δx, Δy	No. of Pixels	R.A. (1950)	Dec.	Frame A198, 1^mILi				Overexposed Frame A199, 3^mILi				Frame A203, 10^mICa				Frame A202, 3^mICa				Frame A204, 30^mICa			
							x, y	P	BG	V	x, y	P	BG	V	x, y	P	BG	V	x, y	P	BG	V	x, y	P	BG	V
B13-14	Plan. neb.	7	3×3	9	$17^h{:}49.2^m$	−29°:45′	666,55	122	119	17	660,51	1222	1190	27	668,37	—	—	off	662,44	32	30	2	675,31	—	—	off
B13-6	Plan. neb.	7	3×3	9	17:49.7	−31:19	731,88	116	114	9	—	—	—	—	734,76	55	53	14	728,78	30	27	14	740,69	—	—	off
M2-20	Plan. neb.	7	3×3	9	17:51.2	−29:36	650,63	119	116	16	651,67	1209	1140	395	654,55	61	58	12	644,58	30	27	17	657,52	126	122	15
B13-10	Plan. neb.	7	3×3	9	17:52.1	−29:57	660,81	115	112	15	657,79	1086	1128	290	604,71	56	55	7	654,79	34	31	11	666,68	141	136	32
H1-42	Plan. neb.	7	3×3	9	17:54.1	−33:35	811,175	105	103	11	810,174	812	774	152	816,164	51	48	14	804,173	25	23	11	820,161	103	100	14
ASE1757	X-ray	8	5×5	25	17:57	−33:56	811,213	98	97	1	813,206	760	709	211	817,195	80	62	235	806,205	23	22	6	820,195	(SAO209568)		
ASE1757	X-ray	8	5×4	20	17:57	−25:05	425,34	109	106	20	426,34	996	931	337	428,26	83	67	153ED	421,27	40	35	33	432,15	—	—	off
NGC6520	Neb. + cl.	6	6×8*	40	18:00	−27:53	531,126	112	106	61	528,129	974	746	1590	533,116	99	50	956	526,120	39	26	275	58,111	202	133	1440
NGC6522	Glob. cl.	6	3×3	9	18:00.5	−30:01	620,170	107	105	8	621,165	835	796	206	624,158	49	47	13	614,166	27	24	13	632,146	139	126	65
NGC6544	Glob. cl.	6	3×3	9	18:04.3	−25:00	391,116	99	98	9	386,118	786	744	22	382,106	52	49	14	380,109	27	25	13	394,95	119	115	16
NGC6553	Glob. cl.	6	4×4	16	18:06.4	−25:55	415,155	95	93	17	417,160	694	623	525	415,151	43	42	6	411,151	25	22	24	421,139	97	94	20
He2-354	Plan. neb.	7	3×3	9	18:06.6	−33:20	741,292	96	95	5	741,290	619	570	300	747,279	42	41	5	737,289	25	22	16	750,276	91	90	1
NGC6559	Neb.	6	8×8	64	18:07.0	−24:08	343,108	94	92	66	—	—	—	—	339,116	140	46	3100	331,119	58	38	228	343,129	141	132	336
Apl-10	Plan. neb.	7	3×3	9	18:07.6	−27:59	499,206	97	94	15	501,209	690	616	398	504,197	46	42	20	496,199	26	23	13	507,192	95	91	16
Apl-12	Plan. neb.	7	3×3	9	18:08.4	−28:23	515,223	97	95	12	517,226	710	655	135	519,206	51	44	34	506,214	25	23	8	521,204	99	92	39
NGC6563	Plan. neb.	7	3×3	9	18:08.7	−33:53	756,321	(SAO209817)			755,324	605	564	210	759,311	(SAO209817)			753,314	31	30	8	763,305	163	153	62
NGC6565	Plan. neb.	7	3×3	9	18:08.7	−28:11	507,225	97	94	14	503,223	682	608	441	509,213	42	40	11	500,213	24	23	8	512,205	(SAO186471)		
Apl-11	Plan. neb.	7	3×3	9	18:07.9	−28:33	526,220	93	91	13	524,220	671	628	252	529,215	43	41	12	518,215	24	22	10	534,204	93	89	25
NGC6569	Glob. cl.	6	3×3	9	18:10.5	−31:49	657,304	92	91	7	655,301	619	571	237	659,294	43	41	11	655,293	26	24	10	665,285	(SAO209873)		
He2-370	Plan. neb.	7	3×3	9	18:11.4	−29:50	563,278	96	93	11	567,278	630	560	414	565,261	44	40	16	562,275	22	21	5	573,262	80	79	10
CnMy17	Plan. neb.	7	3×3	9	18:12.2	−30:33	595,294	95	91	20	595,298	585	550	105	597,288	39	36	19	589,293	24	22	8	600,281	86	81	21
He2-376	Plan. neb.	7	3×3	9	18:12.8	−27:55	477,262	96	93	12	477,258	660	612	248	476,246	42	39	17	470,257	23	22	5	480,242	90	87	16
SwSt1	Plan. neb.	7	3×3	9	18:13.0	−30:53	607,309	92	90	11	606,309	609	555	285	609,302	45	40	24	601,304	24	21	18	613,294	88	85	18
M2-36	Plan. neb.	9	3×3	7	18:14.5	−29:10	522,297	97	91	28	521,298	652	570	453	524,288	88	61	138	516,291	45	31	69	529,278	139	114	107
NGC6620	Plan. neb.	7	3×3	9	18:19.8	−26:51	407,314	92	88	25	402,313	508	473	205	410,304	76	54	112	393,312	25	22	16	406,302	89	83	31
ASE1820	X-ray	8	3×3	9	18:20	−30:22	558,379	87	85	10	555,376	508	464	192	553,372	43	35	42	550,367	20	20	0	566,354	73	70	19
NGC6624	Glob. x-ray	6	3×3	9	18:20.6	−30:21	558,379	87	85	10	555,376	508	464	192	553,372	43	35	42	548,374	21	21	−4	558,360	90	82	43
NGC6626	Glob. cl.	6	4×4	16	18:21.5	−24:52	308,302	83	81	17	305,301	422	392	105	314,298	75	47	162	307,297	39	27	100	312,281	79	72	58
ASE1822	X-ray	8	3×3	9	18:22	−37:08	857,506	86	83	14	856,506	404	357	206	858,494	(SAO210122)			852,500	41	30	59	864,488	(SAO210122)		
NGC6629	Plan. neb.	7	3×3	9	18:22.7	−23:14	231,283	79	75	18	228,283	402	368	202	233,276	36	33	16	222,277	20	20	0	234,271	71	70	2
Vy2-1	Plan. neb.	7	3×3	9	18:24.9	−26:09	354,362	90	85	26	349,357	430	409	79	353,350	(SAO186846)			348,356	35	26	44	357,339	157	93	251
Cn1-5	Plan. neb.	7	3×3	9	18:26.0	−31:32	585,453	86	80	28	586,543	438	404	125	588,444	52	39	70	580,447	28	22	31	593,433	81	70	54
NGC6637	Glob. cl.	6	4×4	16	18:28.2	−32:21	617,488	80	78	18	616,482	387	360	87	620,482	32	29	12	612,478	21	19	23	621,470	62	54	49
NGC6638	Glob. cl.	6	3×3	9	18:28.0	−25:30	307,381	85	79	28	307,380	378	358	80	313,367	35	34	2	307,376	20	18	13	316,364	77	73	14
NGC6642	Glob. cl.	6	3×3	9	18:28.4	−23:28	215,345	77	74	17	215,351	344	318	133	220,341	32	30	10	208,342	20	18	13	221,332	66	64	11
NGC6644	Plan. neb.	7	3×3	9	18:29.5	−25:10	292,394	79	77	10	293,393	397	355	210	292,383	(SAO186951)			282,389	29	23	30	295,376	88	81	37
IC4732	Plan. neb.	7	3×3	9	18:31.0	−22:40	172,362	75	73	9	172,364	355	317	146	175,353	46	40	35	167,356	24	22	9	179,347	87	82	28
NGC6652	Glob. cl.	6	3×3	9	18:32.6	−33:00	630,538	88	85	13	628,538	448	399	263	633,524	47	40	38	625,527	25	22	15	639,522	(SAO210312)		
NGC6656	Glob. cl.	6	7×7	49	18:33.3	−23:56	220,411	76	73	49	223,414	364	328	259	224,405	40	34	128	214,404	28	21	100	228,395	79	72	216
Jupiter	Planet		3×3	9	18:36	−22:47	159,421	71	69	11	159,422	308	290	94	159,412	38	35	7	151,410	21	19	12	163,404	(SAO187112)		
M3-29	Plan. neb.	7	3×3	9	18:36.2	−30:43	516,546	78	77	7	519,546	371	359	22	521,539	28	27	6	511,538	20	19	6	524,530	54	51	24
IC4776	Plan. neb.	7	3×3	9	18:42.6	−33:24	616,644	83	80	16	618,644	435	415	88	620,634	33	31	12	613,637	21	20	7	625,626	63	61	7
Hb 7	Plan. neb.	7	3×3	9	18:52.0	−32:20	541,723	79	77	9	538,727	493	457	196	543,720	42	38	33	534,722	23	21	12	547,713	77	74	12
NGC6715	Glob. cl.	6	4×4	16	18:52.1	−30:30	457,699	82	79	23	455,709	454	406	401	463,694	38	34	23	451,695	22	20	20	466,688	76	70	43
NGC6723	Glob. cl.	6	7×7	49	18:56.4	−36:39	727,825	75	73	44	725,824	419	373	462	730,819	45	42	80	723,819	26	24	50	735,810	82	78	33
Hb 8	Plan. neb.	7	3×3	9	19:02.0	−33:14	554,841	76	73	19	555,841	462	438	122	551,832	41	40	6	544,833	23	22	−1	560,820	80	78	10

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16	15	15	16	16	17	17	17	16	16	16	17	17	17	17	17	17	16	16	16	16	16	17
17	16	16	16	16	17	18	17	16	16	17	17	17	17	18	19	18	17	17	17	17	17	16
17	17	17	17	16	17	18	17	16	16	17	17	17	17	19	20	19	18	18	18	18	17	16
17	17	17	17	17	17	18	17	16	17	18	18	18	18	19	20	20	19	18	17	17	16	16
17	17	18	17	17	17	17	16	16	17	18	19	20	21	22	23	22	20	18	17	17	17	17
16	17	18	17	17	16	16	16	18	18	19	20	22	24	25	25	24	22	20	19	18	18	17
15	16	17	17	16	15	16	17	18	19	20	22	24	26	27	26	24	23	22	21	20	19	18
16	16	17	17	17	16	17	18	19	19	21	23	24	25	26	25	23	22	22	21	19	19	18
16	16	17	18	18	18	19	20	20	21	23	24	25	25	24	23	22	21	20	19	17	17	17
17	17	18	18	17	18	20	22	23	24	26	27	27	26	23	22	20	19	19	18	16	15	16
19	18	18	18	17	18	21	25	27	30	32	31	29	26	22	20	19	18	18	18	17	16	16
18	17	18	18	19	22	24	28	32	34	36	33	29	24	21	19	18	18	18	18	17	16	16
16	15	17	19	21	23	27	31	34	36	36	33	29	23	20	19	18	18	18	18	17	16	17
15	15	17	21	24	26	29	33	35	35	34	31	26	22	19	19	18	17	17	16	16	16	17
16	16	18	21	25	27	30	33	34	33	30	26	22	19	18	17	17	16	16	16	16	17	17
17	17	19	22	25	27	28	30	29	28	26	23	20	18	18	17	17	17	16	17	18	17	18
17	17	19	22	24	25	25	26	26	26	24	22	19	18	17	16	16	17	16	16	17	17	16
17	18	20	21	22	23	23	24	24	24	23	21	19	17	16	15	16	16	15	16	17	17	16
16	18	20	21	21	21	21	22	21	21	21	21	19	17	16	15	15	15	15	15	17	18	17
16	17	19	20	20	20	19	19	19	19	19	20	19	17	17	17	16	15	15	15	17	19	19
17	16	17	19	19	19	17	17	17	18	18	18	17	16	17	17	16	16	16	16	17	18	19
17	16	16	18	18	18	17	16	16	18	18	17	16	15	16	17	16	16	16	15	16	17	17
17	15	16	17	17	17	17	16	16	16	17	17	15	15	15	16	15	15	16	15	16	17	17

Fig. 44 — Sample density-number mosaic printout, a portion of S201 frame A73 (ICa, 10-min exposure) including the galaxy NGC 55. Isodensity contour lines have been drawn in.

Table 20 — Expected Objects Detected by Far-UV Flux

Type of Objects Expected		Definitely Detected			Possibly Detected		
Number	Mag. Range*	No.	Percent	Mag. Range*	No.	Percent	Mag. Range*
8 nebulas HII	—	7	87	—	1	12	—
36 plan. nebulas	7.5 to 15.0v	11	31	7.5 to 15.0v	0	—	—
10 x-ray sources	9 to 1000/s	6	60	9 to 1000/s	0	—	—
20 glob. clusters	6.5 to 10.5p	11	55	6.5 to 10.0p	1	5	9.3p
25 compact E-galaxies	11.3 to 15.9p	2	8	12.7 to 13.0p	1	4	13.8p
57 irregular S-galaxies	10.2 to 14.5p	16	28	10.2 to 13.1p	3	5	11.1p
8 groups of galaxies	6 to 30 galaxies	1	12	30 galaxies	2	25	19 to 20 galaxies
30 QSOs	15.5 to 20.6v	0	—	—	0	—	—

*v = visual and p = photographic; magnitudes of x-ray sources are in counts/s.

Table 21 — Measurements of Groups of Galaxies

Group	No. of Galaxies	Diameter*	Redshift 10^3z	Center Coordinates R.A. (1950)	Dec.	x,y	Table	Exp. and Frame	Filter	P	BG
NGC 134	8	6° = 300 r	0.0055	00^h:28^m	−33°:30′	962,654	13	A94	30^mICa	22	22
NGC1052	6	0.5° = 25 r	0.0048	02:40	−08	865,565	12	A59	3^mILi	76	73
						805,507	12	A63	10^mICa	15	15
Cetus I	12	12° = 600 r	0.0044	02:41	−06	964,547	12	A59	3^mILi	74	78
						905,489	12	A63	10^mICa	16	16
Eridanus	19	15° = 750 r	0.005	03:11	−21	213,260	12	A59	3^mILi	70	72
						152,202	12	A63	10^mICa	17	17
						672,939	18	A191	1^mILi	39	37
						672,939	18	A192	3^mILi	91	85
						634,944	18	A195	3^mICa	20	15
Fornax	30	3° = 150 r	0.0054	03:30	−36	64,489	18	A191	1^mILi	31	33
						64,489	18	A192	3^mILi	68	72
						24,494	18	A195	3^mICa	15	15
NGC6300	10	10° = 500 r	0.0047	17:07	−63	720,486	16	A144	1^mILi	86	81
						720,484	16	A145	3^mILi	230	253
						721,483	16	A149	4^mICa	30	26
Pavo	30	13° = 650 r	0.0076	21:26	−53	594,556	14	A118	3^mILi	135	125
						594,551	14	A121	3^mICa	17	17
Grus	20	5° = 250 r	0.0053	23:08	−43	307,587	13	A68	1^mILi	57	56
						305,589	13	A69	3^mILi	121	117
						282,590	13	A73	10^mICa	16	16
						97,565	13	A88	1^mILi	46	53
						79,556	13	A94	30^mICa	21	23

*r = rasters.

CONCLUDING REMARKS

The objective of this Catalog has been, primarily, to present a listing of the UV brightnesses of stars and starlike objects observed by the S201 experiment. Data are presented for ten fields of view covering more than 3100 square degrees on the sky and for more than 1900 separate objects (exclusive of the Large Magellanic Cloud, which is discussed in a separate report [9,29] and paper [30]).

The method for determining the UV brightnesses, of necessity, has been a computer-based process using a standardized procedure, which in turn is based on the modeling and detailed hand analysis of a few typical images. Therefore, this Catalog does not by any means exhaust the full potential for either sensitivity or accuracy in measuring the image intensities. Many objects detectable on the original negatives have likely been omitted because of their peak densities being below the threshold of the STAR DETECTION program; also possible is that spurious objects are listed or that some objects appear too bright, because of overlap by other star images or confusion with emulsion defects. As was mentioned, the most accurate and sensitive method for studying an object of particular interest is based on the use of mosaic printouts of PDS density in each pixel in the vicinity of the object. These can be provided by the authors upon request or can be generated from the data on file at the National Space Science Data Center.

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THE CATALOG

The revised Catalog listing is divided into 11 parts, each covering one field in the sky. Each part is headed by a constellation name and the field-center coordinates: right ascension and declination (1950). Two parts were needed to cover the Sagittarius field because of computer storage limitations; one is headed SAGITTARIUS WEST and the other is headed SAGITTARIUS EAST, with right ascensions increasing smoothly from the first to the second.

The Catalog column headings and meanings are as follows:

1. OBJECT NO., starting with the number 1 in each field.

2. EXP. & FILTER, the exposure in minutes followed by L for LiF filter (passband from 1050 to 1600 Å) or C for CaF_2 filter (passband from 1250 to 1600 Å). From this entry it is possible to deduce the frame number (not listed), using Table 1. In the Grus field, where there are two sequences of exposures, the order of the listing is A68, A88, A69, A72, A92, A73, A93, A94, and in the Aquarius field, the order is A150, A151, A171, A152, A172, A155, A175, A156, A176, A157, A177.

3 and 4. X and Y, the scan coordinates of the object's peak density.

5 and 6. R.A. and DEC., the SAO Catalog right ascension and declination (1950).

7. SAO NO., star number in the Smithsonian Astrophysical Observatory Catalog [11]. In a few cases, when the star is not listed in the SAO Catalog, the Henry Draper catalog number is given with the prescript HD. The entry NO means that there is no SAO CATALOG APOLLO star within 10 arc-min of the measured image position and that the same image is detected on other S201 frames. For these NOs the celestial coordinates in columns 4 and 5 are means for all the frames. In the Mensa field, NOs in the Large Magellanic Cloud are identified as NO LMC. (Reference 9 presents the LMC observations in more detail.) There are 554 NOs in the Catalog, representing 252 separate objects. Nonstellar objects are designated by *N* followed by the RNGC number [20] or by a planetary-nebula name [21]. A blank in column 5 means that the image was recorded on one frame only. If the SAO number is followed by a slash (/) or a colon (:), the star is one of a pair or group too close to be resolved by the S201 camera. That is, either star could be identified with the image. The colon is used to indicate alternative stars very unlikely to be the source of the image. A query (?) indicates that the measured position is between 5 and 10 arc-min from the cataloged position (considered a doubtful identification). Thus a slash indicates "alternative," a query "positional discrepancy," and a colon "magnitude-spectrum discrepancy."

8 and 9. ΔR.A. and ΔDEC., the differences in coordinates: measured coordinates minus Catalog coordinates. In the case of NOs the differences are from the mean position listed in columns 5 and 6.

10, 11 and 12. SPEC. TYPE, V MAG., and P MAG., the spectral type, visual magnitude, and photographic magnitude listed in the SAO Catalog [11]. The entry ".00" means that the photographic magnitude is unknown.

13. PEAK DEN., the uncorrected peak density in units of 0.01D at scan coordinates x, y given in columns 3 and 4. The measured right ascension and declination of the image were calculated from these scan coordinates of the peak position.

14. NO. OF POINTS, the number of pixels more than 20 units (0.2D) above the local background in the star image.

15. BG, the local background, an average of 5 pixels outside the star image. If the value is followed by a query (?), the background was considered uncertain, usually due to irregularities near that image.

16. DENSITY VOLUME, the sum of measured density minus background (BG) for the number of pixels within the image "boundary." In parts of the text, the symbol V_M is used for this measured density-volume, and V_c is used for the first-stage corrected density-volume. If the density-volume is followed by a query (?), there is some uncertainty due to overexposure or irregular background · $\underline{D}$ signifies overlapping images. The symbols H and L indicate that the density-volume is too large (high) or too small (low) for the identified star.

17. CORR. V/E, the fully corrected density-volume divided by exposure time, in units of 0.01D/min. Corrections for nonlinearity, PDS microdensitometer lag, truncation, and over-under image density have been made as was explained in the data-analysis section.

18. UV MAG, the ultraviolet magnitude. The conversion of CORR. V/E to UV MAG. is given by Eqs. (12a) and (12b).

If the value of the density-volume is more than twice as large as the average for the star's visual magnitude and spectral type, the entry in column 15 is flagged with an H (for high) after the entry. In some cases these entries may indicate misidentifications, but in most cases the H flags indicate stars with peculiarly high far-UV flux, worthy of further study. If the density-volume is less than half the average, the symbol L is entered in column 15. These H and L flags are not precise; they are based on the trends of density-volume divided by exposure with magnitude and spectral type, not on comparison with stellar models.

The Revised S201 Catalog Tape is of nearly the same format as that described in Appendix B of NRL Report 8173 (cited on the inside front cover). Tables B1 and B2 from that report have been modified appropriately and are reproduced here as Tables 22 and 23.

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Table 22 — Meanings of Characters in Each Data Line

Characters	Meaning (digits right-justified)
1- 6	Object number
7- 12	x raster coordinate
13- 18	y raster coordinate
19- 23	Hours of right ascension (R.A.)
24	Separator (:)
25- 26	Minutes of R.A.
27	Separator (:)
28- 29	Seconds of R.A.
30- 34	Degrees of declination (DEC.)
35	Separator (:)
36- 37	Arc-minutes of DEC.
38	Separator (:)
39- 40	Arc-seconds of DEC.
41- 43	Blank
44- 49	SAO star number, or NO, or blank
50	Query (?) or colon (:) or slash (/) or blank
51- 55	Minutes in deviation of R.A. from SAO star
56	Separator (:)
57- 58	Seconds in deviation of R.A. from SAO star
59- 63	Arc-minutes in deviation of DEC. from SAO star
64	Separator (:)
65- 66	Arc-seconds in deviation of DEC. from SAO star
67- 69	Blank
70- 71	Spectral type of SAO star
72- 78	Visual magnitude of SAO star
79- 85	Photographic magnitude of SAO star (zeros = unknown)
86- 91	Peak density of the image
92- 99	Total number of points in the image
100	Query or blank
101-105	Local background density
106	Query or blank
107-114	Density volume of image
115	Query or blank
116	H or L or blank
117-121	Exposure time rounded off to tenths of minutes
122	Filter type (L or C)
123-132	Density volume divided by exposure time*

*For an image near the edge of the field, the letters ED replace the numerals for hundredths and thousandths (characters 131 and 132).