

Carbon Star Log			Location:		Name:	
Star Name		Data		Notes		Sketch
1	Cas	Date	Time			
WZ Cas		See/Transp	Inst/Power			
6.9-11.0	186	00 01 15	+60 21 19			
SAO 21002 HIP 99 HD 224855			C9(N1)			
2	And	Date	Time			
SU And		See/Transp	Inst/Power			
8.0-8.5	Irr.	00 04 36	+43 33 04			
GSC 2793:243 HIP 363 HD 225217			C6(Nb)			
3	Psc	Date	Time			
SAO 109003		See/Transp	Inst/Power			
8.2-8.3	?	00 05 22	+08 47 16			
GSC 594: 778 HIP 447 HD 26			C(G4V)			
4	And	Date	Time			
VX And		See/Transp	Inst/Power			
7.8-9.3	369	00 19 54	+44 42 33			
GSC 2794:14 HIP 1593 HD 1546			C4(N7)			
5	And	Date	Time			
AQ And		See/Transp	Inst/Power			
6.9 - 8.6	346	00 27 31	+35 35 14			
GSC 2270:318 HIP 2180 HD 2342			C5 (Nb)			
6	And	Date	Time			
NSV 15196		See/Transp	Inst/Power			
8.3 - 8.7	755	00 54 13	+24 04 01			
SAO 74353 HIP 4252 HD 5523			C1 (Rp)			
7	Cas	Date	Time			
W Cas		See/Transp	Inst/Power			
7.8 - 12.5	406	00 54 53	+58 33 49			
GSC 368:1824 HIP 4284 HD 5235			C7			
8	Psc	Date	Time			
Z Psc		See/Transp	Inst/Power			
6.5 - 7.9	144	01 16 05	+25 46 09			
SAO 74593 HIP 5914 HD 7561			C7 (N0)			

Carbon Star Log		Location:		Name:		
Star Name		Data		Notes		Sketch
9	Ari	Date	Time			
V Ari		See/Transp	Inst/Power			
8.3 - 10.8	77	02 15 00	+12 14 23			
SAO 92853 HIP 10472 HD 13826		C4 (R8)				
10	Cet	Date	Time			
SAO 129989		See/Transp	Inst/Power			
8.2 - 8.5	?	02 35 06	-09 26 34			
GSC 5285:3 HIP 12028 HD 16115		C2 (R3)				
11	And	Date	Time			
UY And		See/Transp	Inst/Power			
7.4-12.3	?	02 38 23	+39 10 09			
GSC 2832:2 HIP 12298 HD 16326		C5(N3)				
12	Cas	Date	Time			
V623 Cas		See/Transp	Inst/Power			
7.3-8.1	?	03 11 25	+57 54 11			
SAO 23858 HIP 14827 HD 19557		C4(R5)				
13	Per	Date	Time			
Y Per		See/Transp	Inst/Power			
8.1-11.3	249	03 27 42	+44 10 36			
SC 2873:1287 HIP 16126 HD 2128		C4(R4)				
14	Per	Date	Time			
V466 Per		See/Transp	Inst/Power			
8.4-8.9	?	03 41 29	+51 30 11			
NSV 1223 HD 232820		C5(N5)				
15	Cam	Date	Time			
U Cam		See/Transp	Inst/Power			
6.9-7.6	?	03 41 48	+62 38 54			
SAO 12870 HIP 17257 HD 22611		C3-C6(N5)				
16	Cam	Date	Time			
UV Cam		See/Transp	Inst/Power			
7.5-8.1	294	04 05 53	+61 47 39			
SAO 13009 HIP 19115 HD 25408		C5(R8)				

Carbon Star Log		Location:		Name:		
Star Name		Data		Notes		Sketch
17	Cam	Date	Time			
XX Cam		See/Transp	Inst/Power			
7.1-10.0	?	04 08 38	+53 21 39			
SAO 24431 HIP 19340 HD 25878		C0-C2(G1)				
18	Cam	Date	Time			
ST Cam		See/Transp	Inst/Power			
6.7-8.4	300	04 51 13	+68 10 07			
SAO 13285 HIP 22552 HD 30243		C5(N5)				
19	Tau	Date	Time			
TT Tau		See/Transp	Inst/Power			
7.7-10.0	167	04 51 31	+28 31 36			
SAO 76788 HIP 22578 HD 30755		C4-C7(N3)				
20	Lep	Date	Time			
R Lep		See/Transp	Inst/Power			
5.5-11.7	427	04 59 36	-14 48 22			
SAO 150058 HIP 23203 HD 31996		C7(N6)				
21	Aur	Date	Time			
EL Aur		See/Transp	Inst/Power			
8.5-8.7	Irr.	05 03 23	+50 37 58			
SAO 24981 HIP 23520 HD 32088		C5(N3)				
22	Ori	Date	Time			
W Ori		See/Transp	Inst/Power			
5.8-10.0	212	05 05 23	+01 10 39			
SAO 112406 HIP 23680 HD 32736		C5(N5)				
23	Aur	Date	Time			
TX Aur		See/Transp	Inst/Power			
8.5-9.2	Irr.	050905	390008			
GSC 2895: 203 HIP 23965 HD 3301		C5(N3)				
24	Eri	Date	Time			
SY Eri		See/Transp	Inst/Power			
8.3-10.0	96	050948	-053055			
SAO 131832 HIP 24025 HD 33404		C6(N0)				

Carbon Star Log		Location:		Name:		
Star Name		Data		Notes		Sketch
25	Aur	Date	Time			
UV Aur		See/Transp	Inst/Power			
7.4-10.6	394	052148	323043			
SAO 57941 HIP 25050 HD 34842		C6-C8(Nc)				
26	Aur	Date	Time			
S Aur		See/Transp	Inst/Power			
8.2-13.3	590	052707	340859			
GSC 2411:222 HD 35556		C4/5(N3)				
27	Ori	Date	Time			
RT Ori		See/Transp	Inst/Power			
8.0-8.9	321	053313	070912			
GSC 126: 161 HIP 26032 HD 36602		C6(Nb)				
28	Cam	Date	Time			
S Cam		See/Transp	Inst/Power			
7.7-11.6	327	054102	684755			
SAO 13563 HIP 26753 HD 36972		C7(R8)				
29	Tau	Date	Time			
TU Tau		See/Transp	Inst/Power			
5.9-9.2	190	054513	242512			
SAO 77502 HIP 27135 HD 38218		c5(N3)				
30	Tau	Date	Time			
Y Tau		See/Transp	Inst/Power			
6.5-9.2	242	054539	204142			
SAO 77516 HIP 27181 HD 38307		C6.5(N3)				
31	Aur	Date	Time			
FU Aur		See/Transp	Inst/Power			
8.3-8.5	?	054808	303751			
SAO 58449 HIP 27398 HD 38572		C7(N0)				
32	Gem	Date	Time			
TU Gem		See/Transp	Inst/Power			
7.4-8.4	230	061053	2600d 53'			
SAO 78066 HD 42272		C6(N3)				

Carbon Star Log		Location:		Name:		
Star Name		Data		Notes		Sketch
33	Mon	Date	Time			
FU Mon		See/Transp	Inst/Power			
8.5 - 9.8	310	06 22 23	+03 25 27			
GSC 136: 183 HIP 30301 HD 44544		C8 (CSe)				
34	Aur	Date	Time			
V Aur		See/Transp	Inst/Power			
8.5-13.0	333	06 24 02	474223			
SC 3380: 1119 HIP 30449 HD 44388		C6 (N3)				
35	Ori	Date	Time			
BL Ori		See/Transp	Inst/Power			
6.0-7.0	154	062528	144319			
SAO 95659 HIP 30564 HD 44984		C6 (Nb, Tc)				
36	Aur	Date	Time			
UU Aur		See/Transp	Inst/Power			
5.1-7.0	234	063632	382643			
SAO 59280 HIP 31579 HD 46687		C5 - C7(N3)				
37	Gem	Date	Time			
VW Gem		See/Transp	Inst/Power			
8.1-8.5	Irr.	064208	312717			
SAO 59383 HIP 32083 HD 47883		C5 (Na)				
38	Mon	Date	Time			
GY Mon		See/Transp	Inst/Power			
8.1 - 9.0	Irr.	065311	-043434			
SAO 133825 HIP 33059 HD 50436		C6 (N3/R8)				
39	Mon	Date	Time			
RV Mon		See/Transp	Inst/Power			
7.0-8.9	132	065821	061001			
SAO 114704 HIP 33550 HD 51620		C4-C6(Nb/R9)				
40	Mon	Date	Time			
V614 Mon		See/Transp	Inst/Power			
7.0-7.4	60	070101	-031509			
SAO 134049 HIP 33794 HD 52432		C4(R5)				

Carbon Star Log			Location:		Name:
Star Name		Data		Notes	Sketch
41	Mon	Date	Time		
RY Mon		See/Transp	Inst/Power		
7.5-9.2	456	070656	-073326		
SC 5381: 403 HIP 34326 TYC 5381-403			C5-C7(N5/R)		
42	Cma	Date	Time		
W CMa		See/Transp	Inst/Power		
6.4-7.9	Irr.	070803	-115523		
SAO 152427 HIP 34413 HD 54361			C6(N)		
43	Cmi	Date	Time		
R CMi		See/Transp	Inst/Power		
7.3-11.6	338	070842	100126		
SAO 96548 HIP 34474 HD 54300			C7(Csep)		
44	Gem	Date	Time		
BM Gem		See/Transp	Inst/Power		
8.3-9.2	286	072059	245958		
C 1913: 1170 HIP 35617 TYC 1913-117			C5(Nb)		
45	Cam	Date	Time		
RU Cam		See/Transp	Inst/Power		
8.1-9.8	22	072144	694014		
SAO 14157 HIP 35681 HD 56167			C0-C3(K0-R0)		
46	Gem	Date	Time		
NQ Gem		See/Transp	Inst/Power		
7.4-8.0	70	073154	243012		
SAO 79474 HIP 36623 HD 59643			C6(R9)		
47	Pup	Date	Time		
RU Pup		See/Transp	Inst/Power		
8.1-11.1	425	080729	-225445		
SAO 175215 HIP 39751 HD 67507			C5(N3)		
48	Cnc	Date	Time		
X Cnc		See/Transp	Inst/Power		
5.6-7.5	195	085522	171352		
SAO 98230 HIP 43811 HD 76221			C5(N3)		

Carbon Star Log		Location:		Name:		
Star Name		Data		Notes		Sketch
49	Cnc	Date	Time			
T Cnc		See/Transp	Inst/Power			
7.6-10.5	482	085640	193056			
SAO 80524 HIP 43905 TYC 1397-648-1		C3-C5(R6-N6)				
50	Hya	Date	Time			
Y Hya		See/Transp	Inst/Power			
6.5-9.0	303	095103	-230102			
SAO 178088 HIP 48327 HD 85495		C5(N3)				
51	Hya	Date	Time			
U Hya		See/Transp	Inst/Power			
4.5-6.2	450	103733	-132304			
SAO 156110 HIP 52009 HD 92055		C6.5(N2)				
52	Uma	Date	Time			
VY UMa		See/Transp	Inst/Power			
5.9-7.0	Irr.	104504	672440			
SAO 15274 HIP 52577 HD 92839		C6(N0)(N6e)				
53	Hya	Date	Time			
V Hya		See/Transp	Inst/Power			
6.5-12.0	531	105137	-211500			
SAO 179278 HIP 53085		C6-C7				
54	Vir	Date	Time			
SS Vir		See/Transp	Inst/Power			
6.0-9.6	364	122514	004610			
SC 282:753 HIP 120212 HD 10810		C6(Ne)				
55	CVn	Date	Time			
Y CVn		See/Transp	Inst/Power			
4.8-6.4	157	124507	452624			
SAO 44317 HIP 62223 HD 110914		C5(N3)				
56	Dra	Date	Time			
RY Dra		See/Transp	Inst/Power			
6.0-8.0	200	125625	655939			
SAO 15945 HIP 63152 HD 112559		C4(N4p)				

Carbon Star Log			Location:	Name:	
Star Name		Date	Data	Notes	Sketch
57	Vir	Date	Time		
SAO 157721		See/Transp	Inst/Power		
8.5-8.5	?	130624	-200331		
C 6118:1194 HIP 63955 TYC 6118-119			C2(K5p)		
58	CrB	Date	Time		
V CrB		See/Transp	Inst/Power		
6.9-12.6	358	154931	393417		
SAO 64929 HIP 77501 HD 141826			C6(N2e)		
59	Her	Date	Time		
RR Her		See/Transp	Inst/Power		
7.8-12.5	240	160413	502956		
SAO 29781 HIP 78721 HD 144578			C5-C8(N0e)		
60	Oph	Date	Time		
V Oph		See/Transp	Inst/Power		
7.3-11.6	297	162643	-122535		
SAO 159916 HIP 80550 HD 14818			C5-C7(N3e)		
61	Her	Date	Time		
SAO 46574		See/Transp	Inst/Power		
7.3-7.7	?	171331	420622		
SC 3081: 810 HIP 84266 HD 1560			C3(RU)		
62	Oph	Date	Time		
TW Oph		See/Transp	Inst/Power		
7.0-9.0	185	172943	-192822		
SC 6243: 462 HIP 85617 HD 1583			C5(Nb)		
63	Sgr	Date	Time		
SZ Sgr		See/Transp	Inst/Power		
8.2-9.2	73	174456	-183926		
SAO 160795 HIP 86873 HD 16120			C7(Nb)		
64	Dra	Date	Time		
T Dra		See/Transp	Inst/Power		
7.2-13.5	422	175623	581306		
GSC 3914: 546 HIP 87820			C6-C8(N0e)		

Carbon Star Log			Location:		Name:	
Star Name		Data		Notes		Sketch
65	Ser	Date	Time			
FO Ser		See/Transp	Inst/Power			
8.5-8.7	Irr.	181921	-153646			
SAO 161327 HIP 89783 HD 16822			C4(R6)			
66	Her	Date	Time			
AC Her		See/Transp	Inst/Power			
6.9-9.0	75	183016	215200			
SAO 86134 HIP 90967 HD 170756			F2plb-K4e)			
67	Lyr	Date	Time			
T Lyr		See/Transp	Inst/Power			
7.5-9.3	Irr.	183220	365955			
AO 67087 HIP 90883 TYC 2636-1142-			C6(R6)			
68	Lyr	Date	Time			
HK Lyr		See/Transp	Inst/Power			
7.8-9.6	Irr.	184250	365730			
SC 2649: 507 HIP 91774 HD 17329			C6(N4)			
69	Sct	Date	Time			
S Sct		See/Transp	Inst/Power			
6.3-9.0	148	185020	-075427			
AO 142674 HIP 92442 HD 17432			C6(N3)			
70	Aql	Date	Time			
UV Aql		See/Transp	Inst/Power			
8.0-9.6	386	18 58 32	+14 21 49			
BSC 1051:51 HIP 93158 HD 17620			C5(N4)			
71	Aql	Date	Time			
V Aql		See/Transp	Inst/Power			
6.6-8.4	353	190424	-054105			
SAO 142985 HIP 93666 HD 17733			C5-C6(N6)			
72	Sgr	Date	Time			
V1942 Sgr		See/Transp	Inst/Power			
6.7-7.0	Irr.	191909	-155430			
SAO 162465 HIP 94940 HD 180953			C6(N2/R8)			

Carbon Star Log		Location:		Name:	
Star Name		Data		Notes	
Sketch					
73	Lyr	Date	Time		
U Lyr		See/Transp	Inst/Power		
8.3 - 13.5	452	19 20 09	+37 52 36		
GSC 3134:1708 TYC 3134-1708-1		C4 (N0e)			
74	Dra	Date	Time		
UX Dra		See/Transp	Inst/Power		
5.9-7.1	168	192135	763334		
SAO 9404 HIP 95154 HD 183556		C7(N0)			
75	Aql	Date	Time		
NSV 11960		See/Transp	Inst/Power		
7.0 - 7.1	?	19 23 10	-10 42 11		
SAO 162551 HIP 95289 HD 182044		C2 (R0)			
76	Cyg	Date	Time		
AW Cyg		See/Transp	Inst/Power		
7.1 - 8.5	340	19 28 47	+46 02 38		
C 3543: 2275 HIP 95777 TYC 3543-227		C4 (N3)			
77	Sgr	Date	Time		
AQ Sgr		See/Transp	Inst/Power		
6.6 - 8.5	200	19 34 18	-16 22 27		
SAO 162777 HIP 96255 HD 184288		C7 (N3)			
78	Cyg	Date	Time		
TT Cyg		See/Transp	Inst/Power		
7.0 - 9.1	118	19 40 57	+32 37 05		
SAO 68688 HIP 96836 HD 186047		C5 (N3e)			
79	Cyg	Date	Time		
AX Cyg		See/Transp	Inst/Power		
7.9 - 8.8	Irr.	19 57 12	+44 15 40		
SC 3149: 942 HIP 98190 HD 18925		C4 (N6)			
80	Aql	Date	Time		
V1469 Aql		See/Transp	Inst/Power		
8.4 - 8.7	98	20 01 03	+09 30 51		
SAO 125356 HIP 98538 HD 18971		C4 (N0v)			

Carbon Star Log				Location:	Name:
Star Name		Data		Notes	Sketch
81	Sge	Date	Time		
BF Sge		See/Transp	Inst/Power		
8.5 - 10.0	177	20 02 23	+21 05 24		
SC 1629: 945 HIP 98662 HD 19004			C4 (N3)		
82	Sge	Date	Time		
X Sge		See/Transp	Inst/Power		
7.0 - 9.7	196	20 05 05	+20 38 51		
HD 190606 HIP 98909 HD 190606			C6 (N3)		
83	Cyg	Date	Time		
SV Cyg		See/Transp	Inst/Power		
8.5 - 8.7	?	20 09 30	+47 52 17		
SC 3563: 462 HIP 99310 HD 19173			C5 - C7 (N3)		
84	Cyg	Date	Time		
RY Cyg		See/Transp	Inst/Power		
8.5 - 10.3	Irr.	20 10 23	+35 56 50		
GSC 2683: 3082 HD 191783			C4 - C6 (N)		
85	Cyg	Date	Time		
RS Cyg		See/Transp	Inst/Power		
6.5 - 9.5	417	20 13 23	+38 43 44		
SAO 69636 HIP 99653 HD 192443			C8 (N0pe)		
86	Cap	Date	Time		
RT Cap		See/Transp	Inst/Power		
7.0 - 8.1	393	20 17 06	-21 19 04		
GSC 6340: 1015 HIP 99990 HD 192737			C6 (N3)		
87	Cyg	Date	Time		
U Cyg		See/Transp	Inst/Power		
5.9 - 12.1	463	20 19 36	+47 53 39		
SAO 49477 HIP 100219 HD 19368			C7 - C9 (Npe)		
88	Cyg	Date	Time		
V Cyg		See/Transp	Inst/Power		
7.7 - 13.9	421	20 41 18	+48 08 28		
AO 49940 HIP 102082 TYC 3578-3282			C5 - C7 (Npe)		

Carbon Star Log		Location:		Name:	
Star Name		Data		Notes	
Sketch					
89	Cyg	Date	Time		
CY Cyg		See/Transp	Inst/Power		
7.9 - 8.4	?	20 46 50	+46 03 06		
SAO 50053 HD 198164		CS (M2p)			
90	Del	Date	Time		
SAO 106516		See/Transp	Inst/Power		
7.9 - 8.1	?	20 48 36	+17 50 23		
GSC 1651: 1359 HIP 102706 HD 198269		C1 (R0)			
91	Vul	Date	Time		
NSV 13571		See/Transp	Inst/Power		
8.1 - 8.2	?	21 09 59	+26 36 54		
SAO 89499 HIP 104486 HD 201624		C1 (Kp)			
92	Cep	Date	Time		
S Cep		See/Transp	Inst/Power		
7.4 - 12.9	487	21 35 12	+78 37 28		
SAO 10100 HIP 106583 HD 206362		C7 (N8e)			
93	Cyg	Date	Time		
V460 Cyg		See/Transp	Inst/Power		
5.6 - 7.0	180	21 42 01	+35 30 36		
SAO 71613 HIP 107129 HD 206570		C6 (N1)			
94	Cyg	Date	Time		
RV Cyg		See/Transp	Inst/Power		
7.1 - 9.3	263	21 43 16	+38 01 02		
SAO 71642 HIP 107242 HD 206750		C6 (N5)			
95	Per	Date	Time		
RX Peg		See/Transp	Inst/Power		
7.7 - 9.5	629	21 56 22	+22 51 39		
HD 208526		C4 (N3)			
96	Per	Date	Time		
RZ Peg		See/Transp	Inst/Power		
7.6 - 13.6	439	22 05 52	+33 30 24		
GSC 2724-1872 HIP 109189 HD 209890		C9 (Ne)			

Carbon Star Log		Location:		Name:		
Star Name		Data		Notes		Sketch
97	Aqu	Date	Time			
RU Aqu		See/Transp	Inst/Power			
8.5 - 10.1	69	23 24 24	-17 19 08			
AO 165676 HIP 115553 HD 22051		C6 (M5e)				
98	And	Date	Time			
ST And		See/Transp	Inst/Power			
7.7 - 11.8	328	23 38 45	+35 46 21			
SC 2778: 765 HIP 116681 HD 2222		C4 - C6 (R3e)				
99	Psc	Date	Time			
TX Psc		See/Transp	Inst/Power			
4.8 - 5.2	Irr.	23 46 23	+03 29 12			
AO 128374 HIP 117245 HD 22307		C7 (N0)				
100	Psc	Date	Time			
SAO 128396		See/Transp	Inst/Power			
8.5 - 8.8	?	23 49 05	+06 22 56			
SC 592: 649 HIP 117467 HD 22339		C3 (R3)				