

## Missing Barnard Objects Observing List Evening of 2023 Sep 3 at Foley - Driveway

Sunset 07:12p, Twilight ends 08:34p, Twilight begins 05:07a, Sunrise 06:28a, Moon rise 09:40p, Moon set 11:26a  
 Completely dark from 08:34p to 09:40p. Waning Gibbous Moon. All times local (CDT).  
 Weather: 23.9C, humidity 40%, very good seeing.

Listing all classes at any quality (difficulty ignored).

Cls	Primary ID	Alternate ID	Con	RA 2000	Dec 2000	Mag	Ang. Size	Type	Begin	Best	End	S.A.	Ur. 2	Brief
Dark	Barnard 176	B 176	Oph	16h41m00.0s	-21°32'00"	14.0	2.4°		-	-	-	22	146	Chart: 13, 14
Dark	Barnard 177	B 177	Hya	13h37m00.0s	-23°30'00"	14.0	75.0'		-	-	-	21	149	Chart: 13, 14
Dark	Barnard 178	B 178	Oph	17h09m30.0s	-22°41'00"	14.0	30.0'		-	-	-	22	146	Chart: 14
Dark	Barnard 179	B 179	Sco	16h44m48.0s	-34°56'00"	14.0	15.0'		-	-	-	22	164	Chart: 16
Dark	Barnard 180	B 180	Sco	17h02m00.0s	-34°37'00"	14.0	11.0'		-	-	-	22	164	Chart: 17
Dark	Barnard 181	B 181	Oph	17h21m06.0s	-25°45'00"	14.0	72.0'		-	-	-	22	146	Chart: 18
Dark	Barnard 182	B 182	Sgr	18h33m18.0s	-25°59'00"	14.0	50.0'		-	-	-	22	145	Chart: 33
Dark	Barnard 183	B 183	Sgr	18h08m00.0s	-25°52'00"	14.0	60.0'		-	-	-	22	145	Chart: 26
Dark	Barnard 184	B 184	Sgr	18h03m42.0s	-30°36'00"	14.0	18.0'		-	-	-	22	163	Chart: 28
Dark	Barnard 185	B 185	Sgr	18h18m18.0s	-20°03'00"	14.0	2.8°		-	-	-	22	145	Chart: 29
Dark	Barnard 186	B 186	Sct	18h34m54.0s	-12°42'00"	14.0	4.0°		-	-	-	16	126	Chart: 34
Dark	Barnard 187	B 187	Sgr	18h31m24.0s	-17°35'00"	14.0	45.0'		-	-	-	16	145	Chart: 34
Dark	Barnard 188	B 188	Sct	18h40m06.0s	-06°15'00"	14.0	60.0'		-	-	-	16	125	Chart: 36
Dark	Barnard 189	B 189	Aql	19h20m36.0s	+08°26'00"	14.0	22.0'		-	-	-	16	85	Chart: 41
Dark	Barnard 189a	B 189a	Aql	19h21m18.0s	+08°43'00"	14.0	10.0'		-	-	-	16	85	Chart: 41
Dark	Barnard 190	B 190	Cep	21h08m12.0s	+56°24'00"	14.0	3.0'		-	-	-	3	19	Chart: 47
Dark	Barnard 191	B 191	Cyg	21h32m06.0s	+54°24'00"	14.0	14.0'		-	-	-	3	19	Chart: 48
Dark	Barnard 192	B 192	Cyg	21h31m42.0s	+53°45'00"	14.0	12.0'		-	-	-	3	19	Chart: 48
Dark	Barnard 193	B 193	Cyg	21h00m30.0s	+48°37'00"	14.0	15.0'		-	-	-	9	32	Chart: 48
Dark	Barnard 194	B 194	Cyg	21h32m18.0s	+54°49'00"	14.0	8.0'		-	-	-	3	19	Chart: 49
Dark	Barnard 195	B 195	Cyg	21h32m30.0s	+55°02'00"	14.0	8.0'		-	-	-	3	19	Chart: 49
Dark	Barnard 196	B 196	Cyg	21h33m18.0s	+54°56'00"	14.0	4.0'		-	-	-	3	19	Chart: 49
Dark	Barnard 197	B 197	Cep	21h41m24.0s	+56°37'00"	14.0	2.5'		09:30p	09:45p	09:55p	3	19	Chart: 49
Dark	Barnard 198	B 198	Cep	21h56m18.0s	+59°01'00"	14.0	4.0'		-	-	-	3	19	Chart: 49
Dark	Barnard 199	B 199	Cep	21h40m06.0s	+58°02'00"	14.0	120.0'		-	-	-	3	19	Chart: 49
Dark	Barnard 200	B 200	Oph	16h25m48.0s	-24°17'00"	14.0	8.0'		-	-	-	22	147	Chart: 13