Object	Const	Date	Time	Seeing	Location	Equipment	Description
-							Small triangle of stars. Brightest blue white star to
				Seeing Good.	Keota, CO -		lower left. Other 2 much dimmer. Lower right bit
				Transparency	Moderately Dark		brighter than upper right. All 3 stars are blue
ρ	Ophiuchus	8/23/2011	8:20 PM	Good.	Skies	Mounted 20x80 Binoculars	1
				Seeing Good.	Keota, CO -		Two almost equally bright blue white stars. Upper
				Transparency	Moderately Dark		right is a hare brighter. Bit of separation between
ω 1 & 2	Scorpius	8/23/2011	8:26 PM	Good.	Skies	Mounted 20x80 Binoculars	them.
				Seeing Good.	Keota, CO -		A bright blue white star and very near is a much
				Transparency	Moderately Dark		dimmer blue white companion to upper left of
ν	Scorpius	8/23/2011	8:28 PM	Good.	Skies	Mounted 20x80 Binoculars	brighter star.
				Seeing Good.	Keota, CO -		2 blue white stars. Brighter one is lower right and
				Transparency	Moderately Dark		a dimmer star is a bit above and to left. A bit
μ1&2	Scorpius	8/23/2011	8:30 PM	Good.	Skies	Mounted 20x80 Binoculars	apart.
				Seeing Good.	Keota, CO -		2 blue white stars. Much brighter on left and a bit
				Transparency	Moderately Dark		away and right star is a much dimmer star. Open
ζ 2 & 1	Scorpius	8/23/2011	8:33 PM	Good.	Skies	Mounted 20x80 Binoculars	cluster NGC 6231 is above it and fairly near it.
	Î			Seeing Good.	Keota, CO -		3 blue white stars. Bottom fairly bright and is
				Transparency	Moderately Dark		brightest. Upper left a bit dimmer and upper right
36	Ophiuchus	8/23/2011	8:39 PM	Good.	Skies	Mounted 20x80 Binoculars	pretty dim compared to other 2.
				Seeing Good.	Keota, CO -		Two dim, very close together blue white stars.
				Transparency	Moderately Dark		Upper left one is a hare brighter than lower right
Σ 1850	Boötes	8/23/2011	8:43 PM	Good.	Skies	Mounted 20x80 Binoculars	one.
				Seeing Good.	Keota, CO -		
				Transparency	Moderately Dark		A bright blue white star and to its upper left is a
δ	Boötes	8/23/2011	8:46 PM	Good.	Skies	Mounted 20x80 Binoculars	very dim blue white companion.
				Seeing Good.	Keota, CO -		Very similar to delta Bootes. A much brighter blue
				Transparency	Moderately Dark		white star and to lower left a much dimmer blue
μ1&2	Boötes	8/23/2011	8:48 PM	Good.	Skies	Mounted 20x80 Binoculars	white companion.
•				Seeing Good.	Keota, CO -		
	Corona			Transparency	Moderately Dark		2 equally bright, yellow stars a bit apart from each
v 1 & 2	Borealis	8/23/2011	8:53 PM	Good.	Skies	Mounted 20x80 Binoculars	other.
				Seeing Good.	Keota, CO -		2 blue white stars very close together. Lower one
				Transparency	Moderately Dark		much brighter than upper much dimmer
κ	Hercules	8/23/2011	8:57 PM	Good.	Skies	Mounted 20x80 Binoculars	companion.
				Seeing Good.	Keota, CO -		
				Transparency	Moderately Dark		3 dimmer stars. Middle is brightest, upper left is
ΣΙ33	Hercules	8/23/2011	8:50 PM	Good.	Skies	Mounted 20x80 Binoculars	2nd brightest and lower right is dimmest.
				Seeing Good.	Keota, CO -		-
				Transparency	Moderately Dark		2 blue white stars, very close together. Lower left
65	Ursa Major	8/23/2011	9:08 PM	Good.	Skies	Mounted 20x80 Binoculars	one is a bit brighter than upper right one.
	j	<u> </u>		Seeing Good.	Keota, CO -		
				Transparency	Moderately Dark		2 blue white stars a bit apart. Lower left one much
67	Ursa Major	8/23/2011	9:11 PM	Good.	Skies	Mounted 20x80 Binoculars	brighter than upper right one.

				Seeing Good.	Keota, CO -		
				Transparency	Moderately Dark		A brighter blue white star very close and to lower
1	Boötes	8/23/2011	9:13 PM	Good.	Skies	Mounted 20v80 Rinoculars	left of a very dim blue white star.
ı	Dooles	8/23/2011	3.13 FIVI	doou.	Skies	Mounted 20x80 binoculars	left of a very difficulty write star.
							3 blue white stars. 2 very bright and have a good
				Seeing Good.	Keota, CO -		separation between them. Both approximately
				_	•		1 '
۲ (70) که ۱۹۵	Hran Major	0/22/2011	0.17 DN4	Transparency	Moderately Dark	Mayortad 20y00 Dinasylans	the same brightness. Lower right of bottom bright
ζ (79) & 80	Ursa Major	8/23/2011	9:17 PM	Good.	Skies	iviounted 20x80 Binoculars	star is a very dim companion very near it.
				Seeing Good.	Keota, CO -		2 bright blue white stars and a good distance
0 (_			Transparency	Moderately Dark		apart. Lower left is noticably brighter than upper
к & 6	Draco	8/23/2011	9:21 PM	Good.	Skies	Mounted 20x80 Binoculars	right.
				Seeing Good.	Keota, CO -		
				Transparency	Moderately Dark		A very bright blue white stars and a bit away and
α	Ursa Major	8/23/2011	9:24 PM	Good.	Skies	Mounted 20x80 Binoculars	below is a much dimmer blue white companion.
				Seeing Good.	Keota, CO -		
				Transparency	Moderately Dark		A brighter blue white star above and very near
53	Ophiuchus	8/23/2011	9:29 PM	Good.	Skies	Mounted 20x80 Binoculars	a much dimmer blue white star.
				Seeing Good.	Keota, CO -		
				Transparency	Moderately Dark		2 blue white stars, very close to each other. Upper
37 & 36	Hercules	8/23/2011	9:32 PM	Good.	Skies	Mounted 20x80 Binoculars	left is much brighter than lower right.
				Seeing Good.	Keota, CO -		
				Transparency	Moderately Dark		2 dimmer blue white stars a bit apart. Lower left is
Sh 251	Ophiuchus	8/23/2011	9:35 PM	Good.	Skies	Mounted 20x80 Binoculars	much brighter than upper right.
	1	, ,		Seeing Good.	Keota, CO -		3 11 3
				Transparency	Moderately Dark		A very bright blue white star and very near and to
67	Ophiuchus	8/23/2011	9:39 PM	Good.	Skies	Mounted 20x80 Binoculars	lower left is a very dim, blue white companion.
	pinatnas	0, 20, 2022	3.00	Seeing Good.	Keota, CO -		2 equally fairly bright blue white stars very near
				Transparency	Moderately Dark		each other. Upper right is a hare brighter than
А	Serpens	8/23/2011	9:45 PM	Good.	Skies	Mounted 20x80 Binoculars	1
U	Scrpens	8/23/2011	J.4J I WI	Seeing Good.	Keota, CO -	Wiodiffed 20x00 biffoculars	iower iert.
				Transparency	Moderately Dark		A brighter blue white star and near it and to upper
54	Cogittoriina	0/22/2011	0.52 014	Good.	Skies		right is a much dimmer blue white companion.
34	Sagittariius	8/23/2011	9:52 PM		Keota, CO -	Widuited 20x80 billoculars	right is a much diffiller blue writte companion.
				Seeing OK.	· ·		2 bailebt bloombite stems I committee in a stimble
~ 1 0 0	G :	0/22/2011	0.52.084	Transparency	Moderately Dark		2 bright blue white stars. Lower left is noticably
α1&2	Capricornus	8/23/2011	9:53 PM	Good.	Skies	Mounted 20x80 Binoculars	prignter than upper right.
				Seeing OK.	Keota, CO -		
0.1.0.2		- 1 1		Transparency	Moderately Dark		A brighter blue white star a bit apart from dimmer
β1&2	Capricornus	8/23/2011	9:55 PM	Good.	Skies	Mounted 20x80 Binoculars	blue white star to lower left.
				Seeing OK.	Keota, CO -		
				Transparency	Moderately Dark		Has a bright blue white star above and a bit away
ρ	Capricornus	8/23/2011	9:57 PM	Good.	Skies	Mounted 20x80 Binoculars	from a much dimmer blue white star.
				Seeing OK.	Keota, CO -		
				Transparency	Moderately Dark		2 blue white stars very close with left star
О	Capricornus	8/23/2011	9:57 PM	Good.	Skies	Mounted 20x80 Binoculars	noticably brighter than right.
				Seeing OK.	Keota, CO -		
				Transparency	Moderately Dark		2 blue white stars very close together. Upper left
15	Aquila	8/23/2011	10:05 PM	Good.	Skies		is much brighter than lower right.

				Seeing OK.	Keota, CO -		
				_	Moderately Dark		2 dimmer blue white stars. Right one bit brighter
OSS 179	A audio	0/22/2011	10.00 014	Transparency	•		1
ΟΣΣ 178	Aquila	8/23/2011	10:08 PM	Good.	Skies	Mounted 20x80 Binoculars	than left one.
				Seeing OK.	Keota, CO -		A brighter blue white stars then below and very
				Transparency	Moderately Dark		near is this very faint companion. Missed
28	Aquilo	8/23/2011	10:12 PM	Good.	Skies		companion the first time I looked at it.
20	Aquila	6/23/2011	10.12 PIVI	Seeing OK.	Keota, CO -	Widditted 20x80 Billoculars	Companion the first time Hooked at it.
				_	-		2 diaman hilan akan akan akan akan akan akan akan a
57	A '1	0/20/2011	40 47 014	Transparency	Moderately Dark		2 dimmer blue white stars, very near each other.
57	Aquila	8/23/2011	10:17 PM	Good.	Skies	Mounted 20x80 Binoculars	Upper star is brighter than lower star.
				Seeing OK.	Keota, CO -		Right star is a yellow colored star and much
				Transparency	Moderately Dark		brighter than left star, a dimmer, vividly blue
β	Cygnus	8/23/2011	10:21 PM	Good.	Skies	Mounted 20x80 Binoculars	colored star.
				Seeing OK.	Keota, CO -		
				Transparency	Moderately Dark		Right star is a yellow colored star and is much
3	Sagitta	8/23/2011	10:23 PM	Good.	Skies	Mounted 20x80 Binoculars	brighter than very faint left blue white star.
				Seeing OK.	Keota, CO -		
				Transparency	Moderately Dark		2 blue white stars. Lower one is brighter than
15	Sagitta	8/23/2011	10:28 PM	Good.	Skies	Mounted 20x80 Binoculars	upper one. Star a bit apart from each other.
				Seeing OK.	Keota, CO -		
				Transparency	Moderately Dark		2 blue white stars very near each other. Left star
θ	Sagitta	8/23/2011	10:30 PM	Good.	Skies	Mounted 20x80 Binoculars	·
	28	0, =0, =0==		Seeing OK.	Keota, CO -		
				Transparency	Moderately Dark		2 off white, maybe yellow colored stars a bit
α (6) & 8	Vulpecula	8/23/2011	10:34 PM	Good.	Skies		apart. Right star is much brighter than left.
u (0) u 0	Valpecala	0,23,2011	10.5 1 1 101	Seeing OK.	Keota, CO -	Wednesd Zoxoo Billocalars	aparti riigite star is maon srighter than letti
				Transparency	Moderately Dark		2 blue white stars a bit apart. Top star is a bit
γ (5) & 6	Equuleus	8/23/2011	10:35 PM	Good.	Skies	Mounted 20x80 Binoculars	· · · · · · · · · · · · · · · · · · ·
γ (3) & 0	Equuicus	8/23/2011	10.33 FIVI	Seeing Good.	Keota, CO -	Widditted 20x80 Billocalars	
				_	•		2 agually bright blue white stars a hit apart from
ε1&2	T xxmo	0/22/2011	10.20 DN4	Transparency	Moderately Dark		2 equally bright blue white stars a bit apart from
ε 1 & 2	Lyra	8/23/2011	10:39 PM		Skies	Mounted 20x80 Binoculars	leach other.
				Seeing Good.	Keota, CO -		
8102	T	0/00/0044	40 44 044	Transparency	Moderately Dark		2 blue white stars, very near each other. Upper
ζ1&2	Lyra	8/23/2011	10:41 PM	Good.	Skies	Mounted 20x80 Binoculars	right is much brighter than lower left one.
				Seeing Good.	Keota, CO -		
2.2.0.1				Transparency	Moderately Dark		A much brighter yellow star to lower left and a bit
δ 2 & 1	Lyra	8/23/2011	10:43 PM	Good.	Skies	Mounted 20x80 Binoculars	away from a dimmer blue white star.
				Seeing Good.	Keota, CO -		
_				Transparency	Moderately Dark		A bright blue white star and very close and to
β	Lyra	8/23/2011	10:47 PM	Good.	Skies	Mounted 20x80 Binoculars	lower left is a very dim blue white star.
				Seeing Good.	Keota, CO -		
				Transparency	Moderately Dark		
S 752	Delphinus	8/23/2011	10:53 PM	Good.	Skies	Mounted 20x80 Binoculars	2 dim, equally bright stars.
				Seeing Good.	Keota, CO -		A very bright off white colored star. Then straight
				Transparency	Moderately Dark		above it and a bit away is this very dim blue white
1	Pegasus	8/23/2011	10:55 PM	Good.	Skies	Mounted 20x80 Binoculars	

				Seeing Good.	Keota, CO -		
				Transparency	Moderately Dark		A bright blue white star and every once in a while,
35	Dogogue	0/22/2011	10:58 PM	Good.	Skies		see a fainter star near it and at 2 o'clock from it.
33	Pegasus	8/23/2011	10:38 PIVI		Keota, CO -	Mounted 20x80 Binoculars	see a fainter star flear it and at 2 0 clock from it.
				Seeing Good.	1		
1 0 2	D	0/00/0044		Transparency	Moderately Dark		2 blue white stars very close together. Left star
ψ1&2	Draco	8/23/2011	11:06 PM	Good.	Skies	Mounted 20x80 Binoculars	noticably brighter than right.
				Seeing Good.	Keota, CO -		
				Transparency	Moderately Dark		2 blue white stars, very close together with right
41, 40	Draco	8/23/2011	11:09 PM	Good.	Skies	Mounted 20x80 Binoculars	star hare brighter than left.
				Seeing Good.	Keota, CO -		
				Transparency	Moderately Dark		2 blue white stars a bit apart. Upper right is much
75	Draco	8/23/2011	11:13 PM	Good.	Skies	Mounted 20x80 Binoculars	brighter than lower left.
				Seeing Good.	Keota, CO -		
				Transparency	Moderately Dark		2 equally bright blue white stars very close
v 1 & 2	Draco	8/23/2011	11:18 PM	Good.	Skies	Mounted 20x80 Binoculars	together.
				Seeing Good.	Keota, CO -		
				Transparency	Moderately Dark		2 equally bright blue white stars very close to each
17 & 16	Draco	8/23/2011	11:22 PM	Good.	Skies	Mounted 20x80 Binoculars	, , , ,
17 66 10	Braco	3/23/2011	111221111	Seeing Good.	Keota, CO -		
				Transparency	Moderately Dark		2 blue white stars close together. Lower left much
39	Draco	8/23/2011	11:25 PM	Good.	Skies	Mounted 20x80 Binoculars	<u> </u>
39	Diaco	6/23/2011	11.25 PIVI	Seeing Good.	Keota, CO -	Widulited 20x80 Billoculars	
				~	•		2
E 2272	D	0/22/2011	44 20 004	Transparency	Moderately Dark		2 very dim, equally bright stars very close
Σ 2273	Draco	8/23/2011	11:29 PM	Good.	Skies	Mounted 20x80 Binoculars	together.
				Seeing Good.	Keota, CO -		
				Transparency	Moderately Dark		2 blue white stars. Bottom star bit brighter than
δ	Cepheus	8/23/2011	11:32 PM	Good.	Skies	Mounted 20x80 Binoculars	upper star. Very close together.
				Seeing Good.	Keota, CO -		
				Transparency	Moderately Dark		2 equally bright, dimmer blue white stars very
16	Cygnus	8/23/2011	11:38 PM	Good.	Skies	Mounted 20x80 Binoculars	close together.
				Seeing Good.	Keota, CO -		
				Transparency	Moderately Dark		Very bright blue star and very near and at 10
α	Cassiopeia	8/23/2011	11:40 PM	Good.	Skies	Mounted 20x80 Binoculars	o'clock from it is a very faint companion.
	Î						
				Seeing Good.	Keota, CO -		Bright, off white star and near it and to upper right
				Transparency	Moderately Dark		is a much dimmer blue white star. To left and very
φ	Cassiopeia	8/23/2011	11:42 PM	Good.	Skies	Mounted 20x80 Binoculars	near is open cluster NGC 457.
T	- massapass	5, 25, 2522			Keota, CO -		
				Seeing OK.	Moderately Dark		2 blue white stars a bit apart. Bottom right is
π 2 & 1	Pegasus	8/24/2011	12:09 AM	Transparency OK.	Skies	Mounted 20y80 Rinoculars	much brighter than upper left.
<i>n</i> 2 & 1	1 egasus	0/24/2011	12.03 AIVI	Transparency OK.	Keota, CO -	Widditted 20x00 billoculdis	inden brighter than apper left.
				Sooing OV	1		
2 (02) & 04	Diassa	0/24/2011	12,12 444	Seeing OK.	Moderately Dark		2 agually bright blue white store a hit arest
ρ (93) & 94	Pisces	8/24/2011	12:12 AM	Transparency OK.	Skies	iviounteu Zux80 Binoculars	2 equally bright blue white stars a bit apart.
					Keota, CO -		
1	_D .	- 15 - 1		Seeing OK.	Moderately Dark		2 brighter, equally bright, very close blue white
ψ 1	Pisces	8/24/2011	12:14 AM	Transparency OK.	Skies	Mounted 20x80 Binoculars	stars.

					Keota, CO -		
				Seeing OK.	Moderately Dark		A much brighter blue white star, a bit away and to
33	Pegasus	8/24/2011	12:17 AM	Transparency OK.	Skies	Mounted 20x80 Binoculars	upper right of a much dimmer companion.
					Keota, CO -		
				Seeing OK.	Moderately Dark		2 equally bright blue wihte stars a bit apart. To left
56	Andromeda	8/24/2011	12:20 AM	Transparency OK.	Skies	Mounted 20x80 Binoculars	is a large open cluster NGC 752.
					Keota, CO -		
				Seeing OK.	Moderately Dark		2 blue white stars very close together. Right star
59	Andromeda	8/24/2011	12:26 AM	Transparency OK.	Skies	Mounted 20x80 Binoculars	noticably brighter than left one.
					Keota, CO -		
				Seeing OK.	Moderately Dark		A much brighter off white colored star to right of a
15	Triangulum	8/24/2011	12:29 AM	Transparency OK.	Skies	Mounted 20x80 Binoculars	dimmer blue white star.
					Keota, CO -		
				Seeing OK.	Moderately Dark		2 blue white stars, very close. Bottom star much
14	Aries	8/24/2011	12:37 AM	Transparency OK.	Skies	Mounted 20x80 Binoculars	brighter than upper.
					Keota, CO -		A blue white star seen and every once in a while,
				Seeing OK.	Moderately Dark		at 9 o'clock from it see a <u>very</u> faint star pop into
33	Aries	8/24/2011	12:42 AM	Transparency OK.	Skies	Mounted 20x80 Binoculars	view very near this bright star.
					Keota, CO -		Brightest star is orangish in color and other 2 stars
				Seeing OK.	Moderately Dark		are blue white. Lower left is dimmest. Right one is
O 1 (30 & 31)	Cygnus	8/24/2011	12:46 AM	Transparency OK.	Skies	Mounted 20x80 Binoculars	2nd brightest and center star very bright.
							2 equally bright, off white colored stars by
					Keota, CO -		themselves in a star right area. A bit apart. Open
				Seeing OK.	Moderately Dark		clusters M29 and IC 4996 are nearby and above
29	Cygnus	8/24/2011	12:53 AM	Transparency OK.	Skies	Mounted 20x80 Binoculars	these stars.
					Keota, CO -		
				Seeing OK.	Moderately Dark		2 equally bright, dimmer blue white stars a bit
48	Cygnus	8/24/2011	12:56 AM	Transparency OK.	Skies	Mounted 20x80 Binoculars	apart.
					Keota, CO -		2 stars very near each other. Upper right is an
				Seeing OK.	Moderately Dark		orangish colored star. Brighter than lower left
61	Cygnus	8/24/2011	12:58 AM	Transparency OK.	Skies	Mounted 20x80 Binoculars	which is blue in color.

Observational Statistics:

Observed

69 of 50 Seen