

# Monday December 15, 2014

Observing double stars from my backyard in Broomfield, CO.

Clear. Light breeze from SW now and then. 34 degrees.

Used my 20x80 mounted binoculars to observe these double stars. My home is at coordinates 105.09 W and 39.93 N.

“On a line...” gives a clock direction from what I deemed as the primary star to the secondary star.

The seeing and transparency are OK.

STF 396	CAM	5:55 PM	A bright primary (Pri) and a much dimmer secondary (Sec). <u>Very</u> close together. On a line 1:00 o'clock in FOV.
STF 307	PER	6:01 PM	A <u>very</u> bright, light orange Pri star and then a bit away on a line 11:30 o'clock is an extremely faint blue white Sec star.
STF 519	PER	6:05 PM	A dim Pri and to left on a line 9:00 o'clock is a much dimmer Sec. Close together.
S445	PER	6:09 PM	A dim, blue white Pri and then a <u>very</u> faint blue white Sec a good bit away on a line 9:30 o'clock.
STT 54	CAM	6:14 PM	A dim, blue white Pri and close together. On a line 4:00 o'clock, is an extremely faint Sec.
STF 533	PER	6:18 PM	2 very dim stars. Close together. On a line 8:30 o'clock. Both approx. the same magnitude with right star a hair brighter.
STF 90	PSC	6:31 PM	A dimmer blue white Pri. Close together. On a line 8:30 o'clock is a much dimmer, blue white Sec that is more than half as dim as the Pri.
STF 100	PSC	6:35 PM	A brighter blue white Pri. Very close together. On a line 9:30 o'clock is a much dimmer, about half as bright as the Pri, blue white Sec.
S 398	PSC	6:40 PM	A brighter blue white Pri. Close together. On a line 8:00 o'clock is a <u>very</u> dim blue white Sec.

STF 136	PSC	6:44 PM	A dim blue white Pri. <u>Very</u> close together. On a line 8:30 o'clock is a much dimmer Sec.
28 degrees. Seeing and Transparency Good.			
STF 627	ORI	9:11 PM	2 blue white, brighter stars. <u>Very</u> close together. On a line 2:00 o'clock. Approx. same magnitude with lower left star a hair brighter.
S 463	ORI	9:15 PM	2 very faint stars. Close together. On a line 1:30 o'clock. Lower left star bit brighter than the extremely faint upper right star. This is best seen with adverted vision.
SHJ 49	ORI	9:23 PM	A brighter blue white Pri. Then very close together, on a line 1:00 o'clock, is a much dimmer Sec. Then on a line 7:00 o'clock from the first star and a little bit farther away then first two are separated, is this tiny, extremely faint third star. Barely there but I can see it with adverted vision.
STF 855	ORI	9:28 PM	A brighter blue white Pri. <u>Very</u> close together. On a line 7:00 o'clock is a much dimmer Sec by more than half as bright as the Pri.
SHJ 70	GEM	9:32 PM	A brighter blue white Pri. <u>Very</u> close together. On a line 3:30 o'clock. Sec is <u>very</u> faint.
STF 1090	GEM	9:35 PM	Just cleared the roof of my house in the east. Part of a 'L' asterism chain of stars. Very dim Pri. <b>Very</b> close together. On a line 7:00 o'clock. Sec is <u>extremely</u> faint. Best seen with adverted vision where both stars are easy to see.

I enjoyed this new Advanced Binocular Double Star program. I do like looking at doubles.