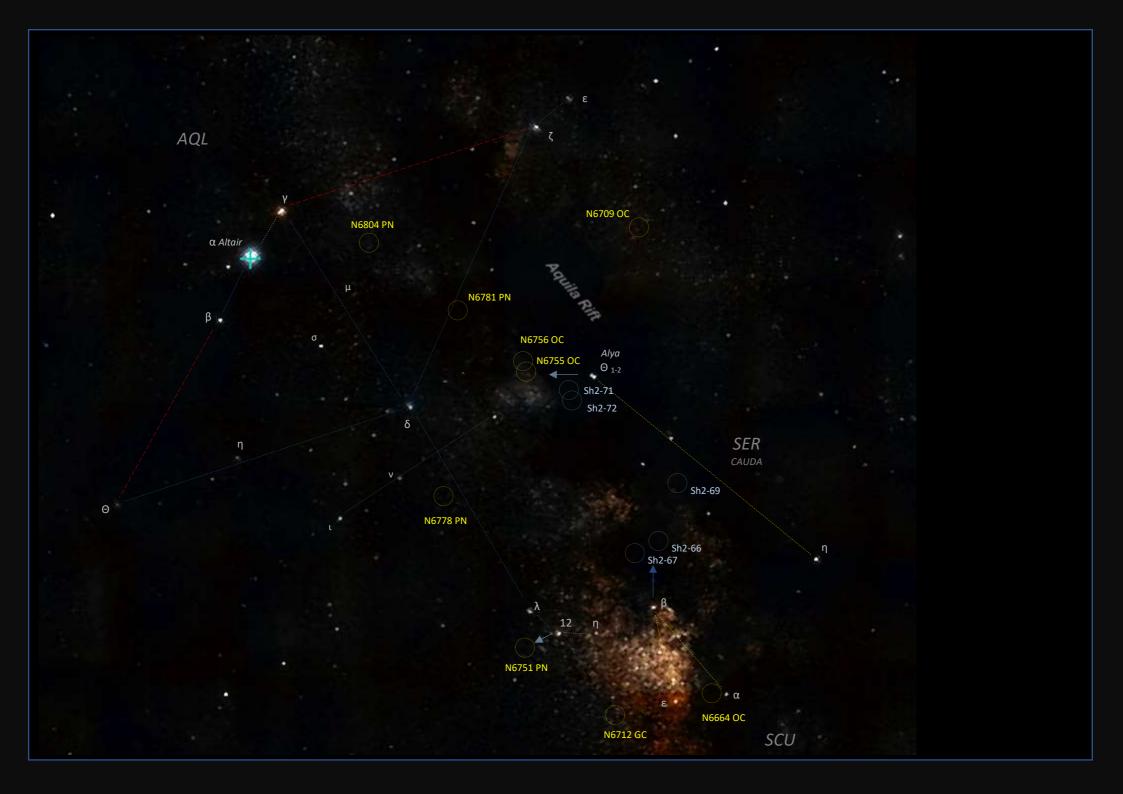
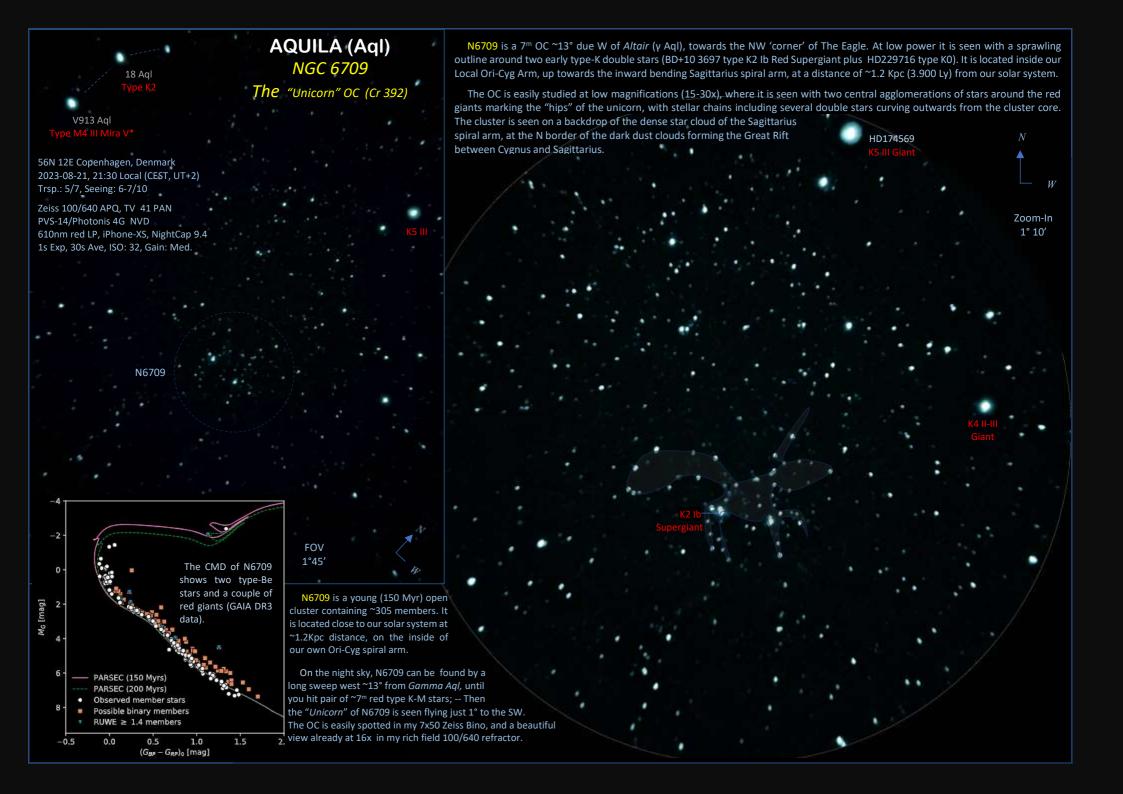
## AQUILA (AqI)

$\checkmark$	NGC	RASC	SAC	CALD	HER-400	O-HT	O-SD		Con	Туре	R.A. H:m.s	DEC °,'	m_v	Size "	Comment
	6709					T094		S	Aql	OC	18:51.3	10.2	6.7	15	"Flying Unicorn" wide OC, SW of Zeta Aql ; 7x50Bino
	6804						D091	S	Aql	PN	19:31.6	9.13	12.2	~ 5000	Small "Shrinking" 4-shell PN; ~5° W of Altair
	6781	R095	S003		H358 (3,743)		D090	S	Aql	PN	19:18.4	6.33	11.8	1'49"	Snow globe / Moon Ghost PN; Large, bright ~4° NNW of Del Aql. ;16.2m central*
	6756				H357 (7,62)		D088	S	Aql	OC	19:08.7	4.42	10.6	4	Pair of OC; Very small, somewhat dim, 4° WNW of Del Aql.,
	6755				H356 (7,19)		D087	S	Aql	OC	19:07.8	4.16	7.5	15	"; Large, moderately bright 5.5 <sup>m</sup> 19 Aql. Santa's Sleigh
	6778						D089	S	Aql	PN	19:18.4	-1.36	11.9	20x40	"Son of M76"; Bipolar PN 5° SSW of Del Aql. (55 SW of 27 Aql); Use OIII
	6751						D086	S	Aql	PN	19:05.9	-5.6	11.9	2400	"Glowing Eye", 1° S of Del Aql; 14 <sup>m</sup> central*;

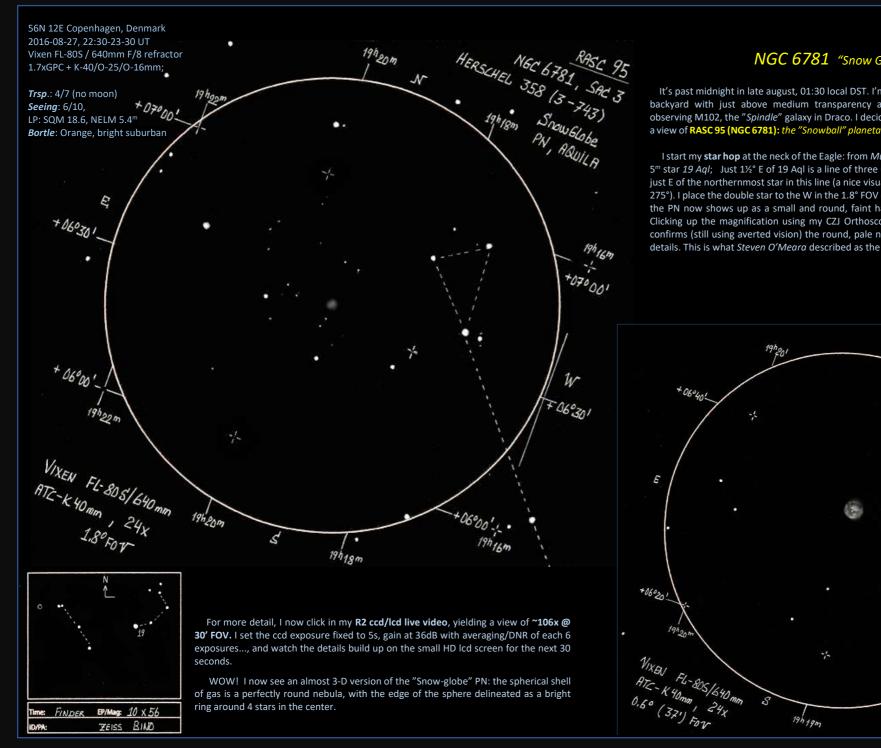
## SCUTUM (Sct)

٧	NGC	RASC	SAC	CALD	HER-400	O-HT	O-SD		Con	Туре	R.A. H:m.s	DEC °,'	m_v	Size "	Comment
	6664						D084	S	Sct	OC	18:36.5	-8.11	7.8	12	Santa's Sleigh
	6712	R094	S087		H355 (1,47)	T095		S	Sct	GC	18:53.1	-8.42	8.2	7.2	Small globular; look for PN IC 1295 in field





## NGC 6804, The "Shrinking" PN N6804 is a faint (12m) planetary nebula located at 1.1 Kpc distance on the inside of our local Ori-Cyg spiral arm. In my small 4" refractor, this PN appears as a tiny, faint fuzzy blob at low magnification (16x); At increasing magnification, it's seen as a stellar point, which should with high magnifications - resolves into an annulus. When zooming in on my rich-field view (to ~110x magnification), the 'blob' is seen as a faint nebulous outer shell surrounding a brighter central core, which marks the location of the central 14<sup>m</sup> star plus its inner shell/ring (which takes ~200-300x mag to resolve). O'Meara describes that in his 5" refractor at low power (33x), he sees N6804 as a tiny stellar ball using averted vision, but that it seems to shrink into a 12<sup>m</sup> star when using direct vision (hence his nickname: the incredible shrinking PN...). 56N 12E Copenhagen, Denmark 2023-08-21, 01:00 Local (CEST, UT+2) Trsp.: 5/7, Seeing: 7/10 Zeiss 100/640 APQ, TV 41 PAN PVS-14/Photonis 4G NVD 610nm red LP, iPhone-XS, NightCap 9.4 1s Exp, 60s Ave, ISO:640, Gain: Med. Zeiss 100/640 APQ, TV 41 PAN PVS-14/Photonis 4G NVD FOV 610nm red LP, iPhone-XS, NightCap 9.4 ~45' 1s Exp, 60s Ave, ISO:200, Gain: High. Pan-STARRS N6804 B9.5 V At high magnification, the inner, brighter shell of N6804 is seen elongated in the E-W FOV direction, like lipstick marks from a cosmic kiss. Zeiss APQ ~1°10 The outer fainter shell/halo is difficult to 100/640 resolve with amateur telescopes. FOV ~5'



## NGC 6781 "Snow Globe" PN

It's past midnight in late august, 01:30 local DST. I'm out in my Bortle orange suburban backyard with just above medium transparency and seeing, and I've just finished observing M102, the "Spindle" galaxy in Draco. I decide to close the night (morning) with a view of RASC 95 (NGC 6781): the "Snowball" planetary nebula in the right wing of Aquila.

I start my **star hop** at the neck of the Eagle: from Mu Aql -> I pan W ca. 4½° to the bright 5<sup>m</sup> star 19 Aql; Just 1½° E of 19 Aql is a line of three 6-7<sup>m</sup> stars, and NGC 6781 is located just E of the northernmost star in this line (a nice visual double of 6.7<sup>m</sup> + 9<sup>m</sup>, Sep ~3' in PA 275°). I place the double star to the W in the 1.8° FOV of my K-40mm eyepiece @24x, and the PN now shows up as a small and round, faint hazy spot in the center of the field. Clicking up the magnification using my CZJ Orthoscopics to 38x and 60x magnification confirms (still using averted vision) the round, pale nebulous glow, but yields no further details. This is what Steven O'Meara described as the Ghost of the Moon.

