

Nova Sge 2026

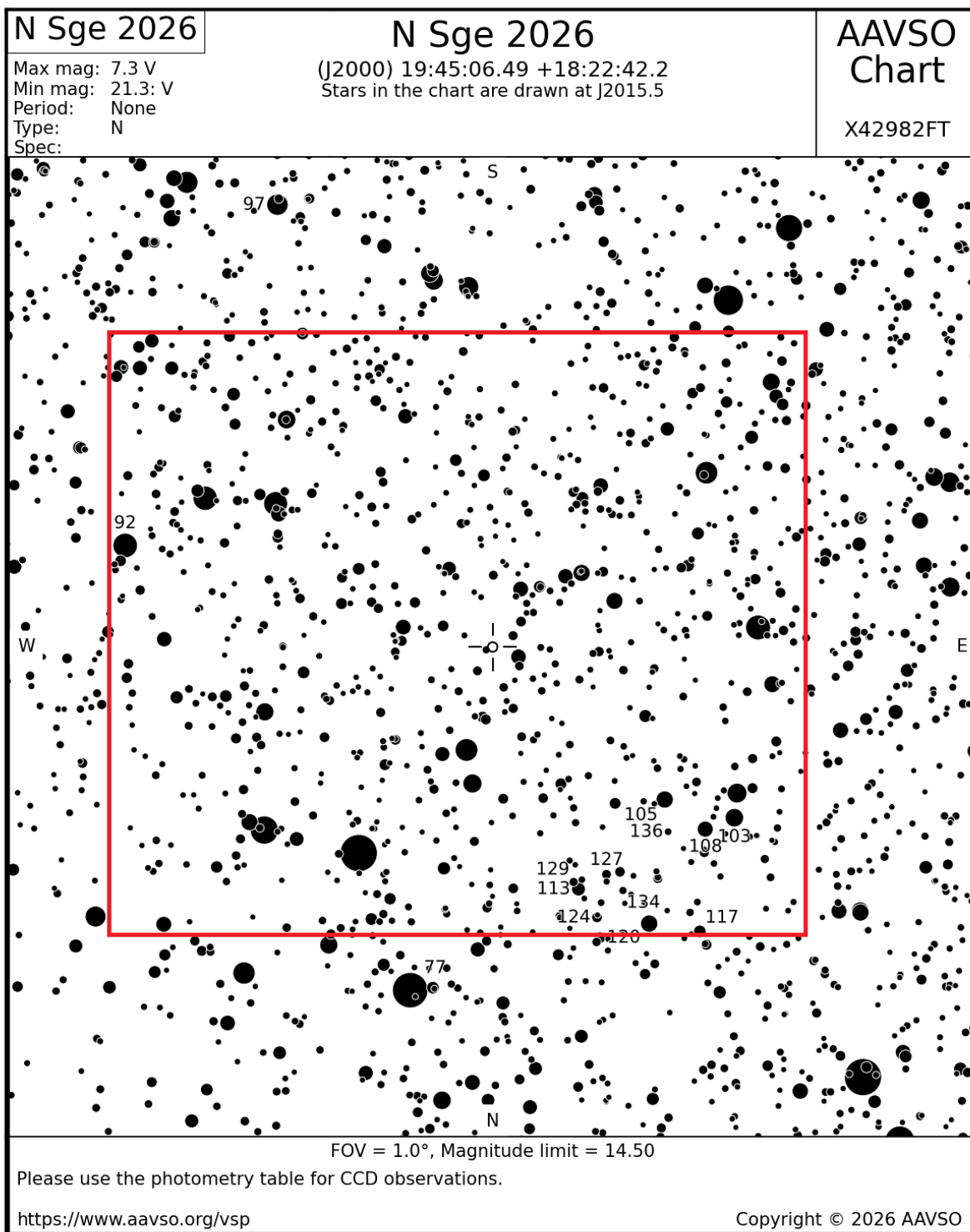
A nova in Sagitta appears in late August, 2026. My friend, Steve Boerner used his Slooh Telescope account and took these images for me.

He used the Canary Island telescope Canary One. The details of this telescope are:

Observatory			Name/location					Coordinates			Elevation	
Slooh Canary Islands Observatory			Institute of Astrophysics of the Canary Islands (IAC) Izana, Tenerife					28.29970 N 16.50826 W			7783 feet	
Scope	Type/Size	Aper:	FL	F/ratio	Mount	Camera	Pixel size	FOV	Filter(s)	Scale	North angle	
Canary One	Planewave CDK20	20"	3454mm	f/6.8	Paramount MEII	FLI PLO9000	12x12 microns	37" x 37'	LRGB	0.717 arcsec/pixel	0 degrees (up)	

The images are 20 second exposures using the Luminance filter.

The AAVSO Chart for comparison stars was not useful. The red box is the field-of-view of the Canary One telescope. The magnitudes of the AAVSO chart of comparison stars were too faint to be of use to estimate the magnitudes of this fading nova.



I used my Astrometrica program and loaded the August 26th image into it. By moving the cursor around, the Astrometrica program gave me the RA and Dec of the object under the cursor.

I entered the coordinates of three stars for comparison to the bright nova into the SIMBAD program and got the following results. For star 1, I got this report:

Query : coord 19 44 31.59 +18 35 20.2 (FK5, 2000, 2000), radius: 2 arcmin

19 44 31.58845999672 +18 35 20.178 arc min

Number of rows : 3 Want to see

Show 100

N [^]	Identifier	dist(asec)	Otype	ICRS (J2000) RA	ICRS (J2000) DEC	Mag U	Mag B	Mag V	Mag R
1	V* V342 Sge	1.17	LP*	19 44 31.5529472544	+18 35 19.118319036		8.442	6.791	
2	2MASS J19443370+1835150	30.66	LP?	19 44 33.7119885546	+18 35 14.828081975				
3	Gaia DR3 1824219227977885440	76.34	*	19 44 30.8820670761	+18 34 04.497311614				

For the second and third comparison star, I got this report:

19 44 07.10000000000 +18 33 52.900 arc min

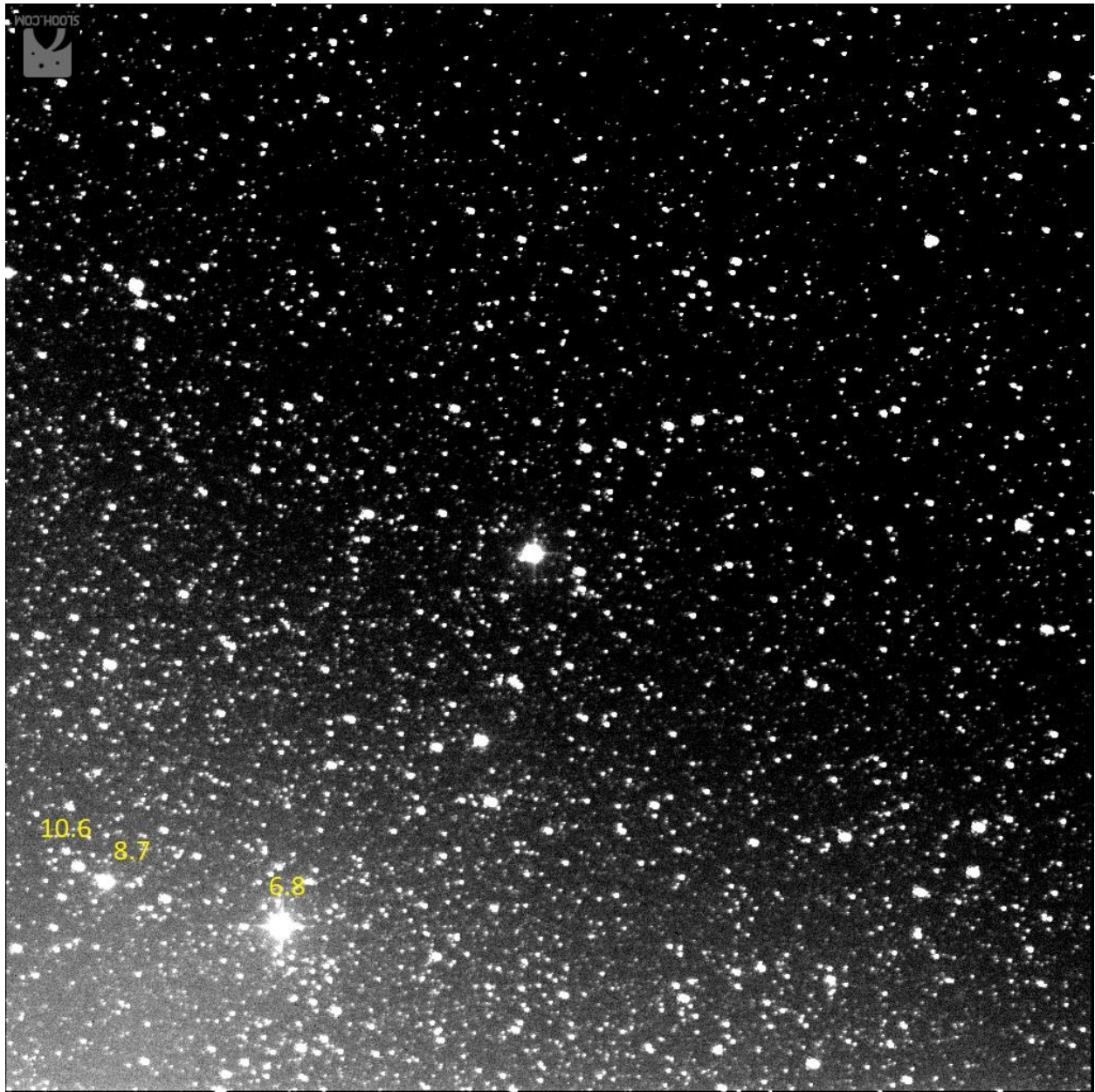
Number of rows : 9 Want to see

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N [^]	Identifier	dist(asec)	Otype	ICRS (J2000) RA	ICRS (J2000) DEC	Mag U	Mag B	Mag V	Mag R
1	HD 186507	2.25	*	19 44 06.9695198208	+18 33 54.175815576	8.69	8.75	8.66	
2	2MASS J19440499+1833581	30.37	LP?	19 44 04.9972343561	+18 33 58.236883640				
3	2MASS J19440665+1833116	41.75	LP?	19 44 06.6587120836	+18 33 11.625649768				
4	TYC 1619-2031-1	63.47	*	19 44 03.0921327504	+18 33 24.969124836		11.20	10.64	

I used the V (visual) magnitudes for star 1 and 4 in this listing. I verified that these were the correct stars by hovering over an interactive image SIMBAD produced for this area of the sky. The two stars I hovered over in this SIMBAD image were the stars numbered 1 and 4.

Here is the comparison star chart I produced:



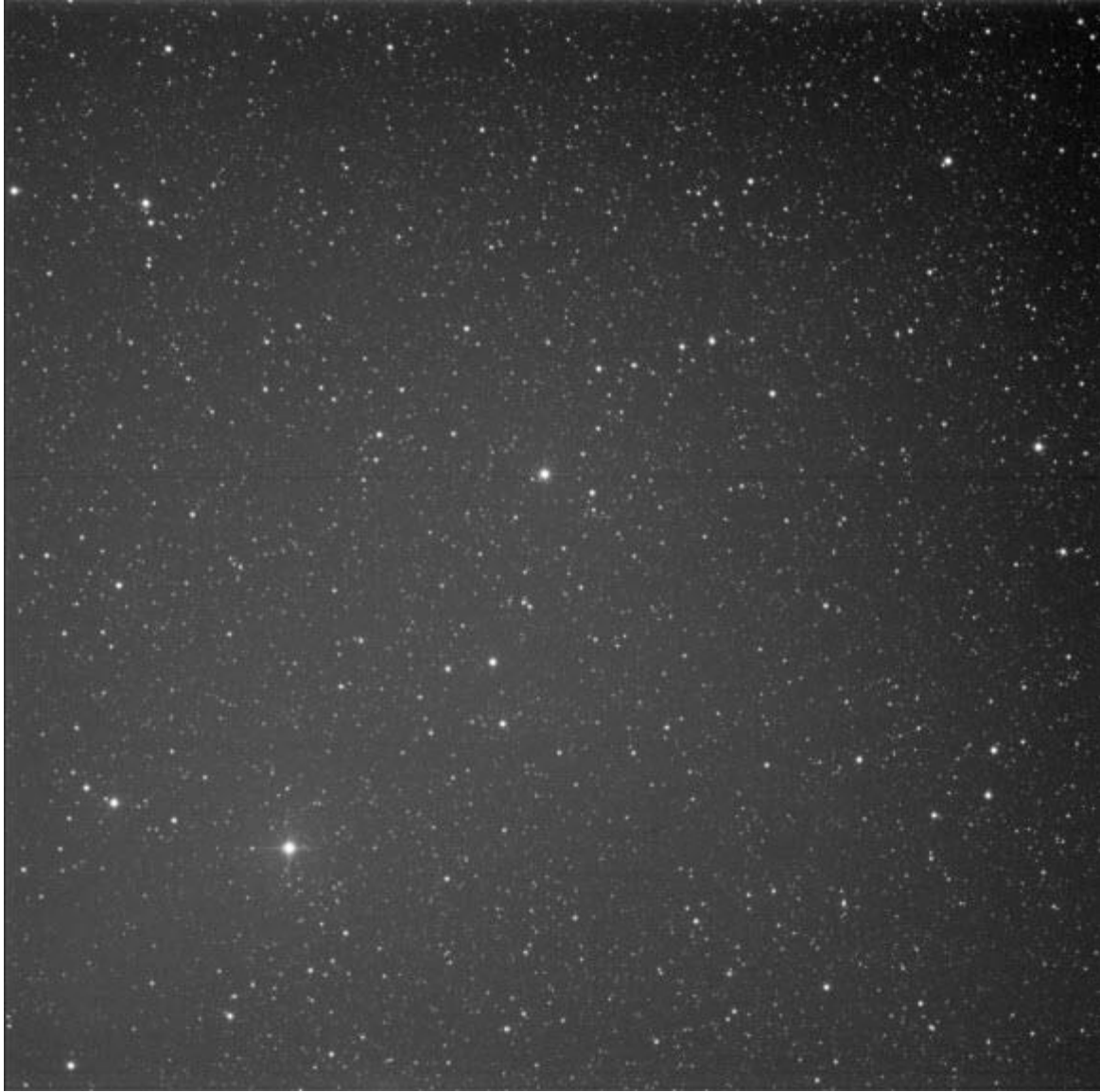
These are the stars I used to extrapolate the magnitude of the nova, which is the brighter star centered in these images.

Image 1 taken August 26, 2026 at 03:04:34 UT:



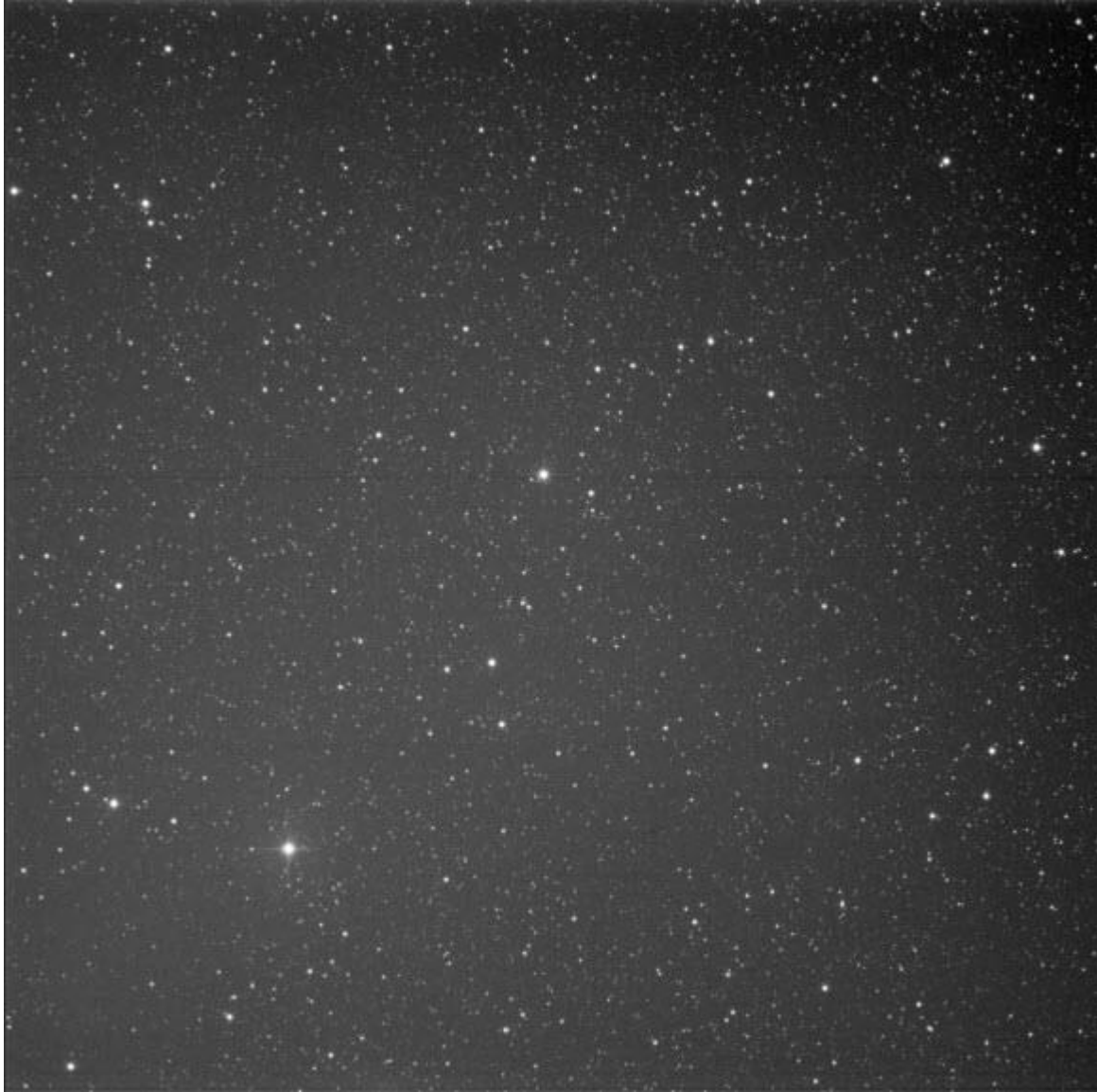
Magnitude 7.0

Image 2 taken August 27, 2026 at 22:50:12 UT:



Magnitude 7.3

Image 3 taken August 29, 2026 at 01:17:21 UT:



Magnitude 7.8

Image 4 taken August 31, 2026 at 21:47:32 UT:



Magnitude 9.1