The Lagoon/Trifid Nebulae plus the surrounding area:

A quartet of targets. This image contains the Lagoon Nebula (M8) at the bottom, the Trifid Nebula (M20) at the top-right, IC4685 (unnamed nebulae) at the left, and M21 (unnamed star cluster) at the top. The Lagoon and Trifid nebulae are both star-forming clouds of interstellar gas and dust. The Lagoon is 5,200 light-years from Earth while the Trifid is 9,000. They are both magnificent and relatively bright targets. IC4685 is often overlooked due to the other two nebulae being the attention grabbers, but it's awesome since it's both an emission and reflection nebula showcasing the wide-span of dark dust lines. It's approximately 4,000 light-years away. M21 is the open star cluster next to the Trifid. They are relatively the same distance from Earth, but M21's stars are much older by about 8 million years. It's exciting to get so much in one picture.

This is an HaRGB image where we combined both broadband and narrowband data. It's a little over 7 hours of data but took 4 sessions to capture it since this area is only visible to us for a couple hours at a time before hitting our notorious southern tree-line. The broadband/narrowband data sets were stacked separately then combined in Pixinsight.

You can see the full resolution on our astrobin page: https://astrob.in/lmsx2i/0/

Exposure: 7.3 hours (489 broadband subs x 30 seconds & 39 narrowband subs x 300 seconds)
Constellation: Sagittarius
Telescope: Redcat71
Mount: EQ6-R Pro
Camera: RisingCam IMX571 (OSC)
Filter: None & Antlia ALP-t
Capture & Processing: N.I.N.A./APP/Pixinsight/Photoshop/Lightroom

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