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Stellar Shot of the Week: April 30, 2021

**"Nebula and open cluster in Cepheus"
(B59/Ced214/LBN589/NGC7762/NGC7822/Sh2-171)**

(by Ram Samudrala)

Congratulations to this week's Stellar Shot selection, which was one of a number of amazing images we received from the talented Ram Samudrala. We will certainly see more of his work again in the future, but for now we were most impressed by this incredibly deep shot of a less-regularly imaged target found in the constellation Cepheus. Whether its the strength of the signal, the 76 hours spent imaging, the beautifully rich colors, or the fact that it was all done with a 70mm scope we just can't find enough reasons to stop being impressed with this shot. The aggressive processing brought out a color

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palette that really helps to bring some life to an object that can be rather amorphous in other shots we've seen of this region (not that there are a ton). This was taken entirely with a QHY163m and Stellarvue SV70T, all of which rode on top of a Software Bisque Paramount MyT.

Great work by Ram, and don't forget to check out his Astrobin account under the username "ramdom" (<https://www.astrobin.com/users/ramdom/>). Please make sure to submit your own images to us directly by email too, or by tagging them with #stellarvue and #stellarshot

The technical details of this shot are as follows:

1. Imaging telescope: Stellarvue SV70T
2. Imaging camera: QHY163M
3. Mount: Software Bisque Paramount MyT
4. Focal reducer: Stellarvue REDUCER FLATTENER FOR SV70T - SFFR-70APO
5. Software: SharpCap Pro, PixInsight, Software Bisque TheSkyX Professional Suite
6. Filters: Astrodon OIII 1.25 3nm, Astrodon Ha 1.25 5nm, Astrodon SII 31mm 3nm
 - Astrodon Ha 1.25 5nm: 155x420" (gain: 100.00) -15C bin 1x1

- Astrodon Ha 1.25 5nm: 72x360" (gain: 200.00) -15C bin 1x1
- Astrodon OIII 1.25 3nm: 168x420" (gain: 100.00) -15C bin 1x1
- Astrodon OIII 1.25 3nm: 80x360" (gain: 200.00) -15C bin 1x1
- Astrodon SII 31mm 3nm: 153x420" (gain: 100.00) -15C bin 1x1
- Astrodon SII 31mm 3nm: 52x360" (gain: 200.00) -15C bin 1x1



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