

## Observing Two Small Cauchy domes

On the night of September 10-11, 2021, the 3.95-day old moon was observed for a brief time before altitude and seeing conditions ended a brief and successful detection of two small Cauchy domes, C2 and C3.

Using the Virtual Moon Atlas, Cauchy C2 and C3 were found very near the terminator for possible observation. Using the program GUIDE 9.0, found both were about 15-18 arc seconds from terminator shadow. Despite seeing conditions of only 4-5/10, both domes were visible in my 20cm F/8 reflector at 151x, no filter used.

Lunar Illumination was 19.2%., Co-longitude 323.0.

The smaller of the two, C3 at 2.68", was visible as a shadowed, elongated shape.

The larger (5.37") C2 was seen as a bright feature, in and out of visibility.

Confirmed the next night with a 32cm telescope. Both nights held a bright textured looking feature.