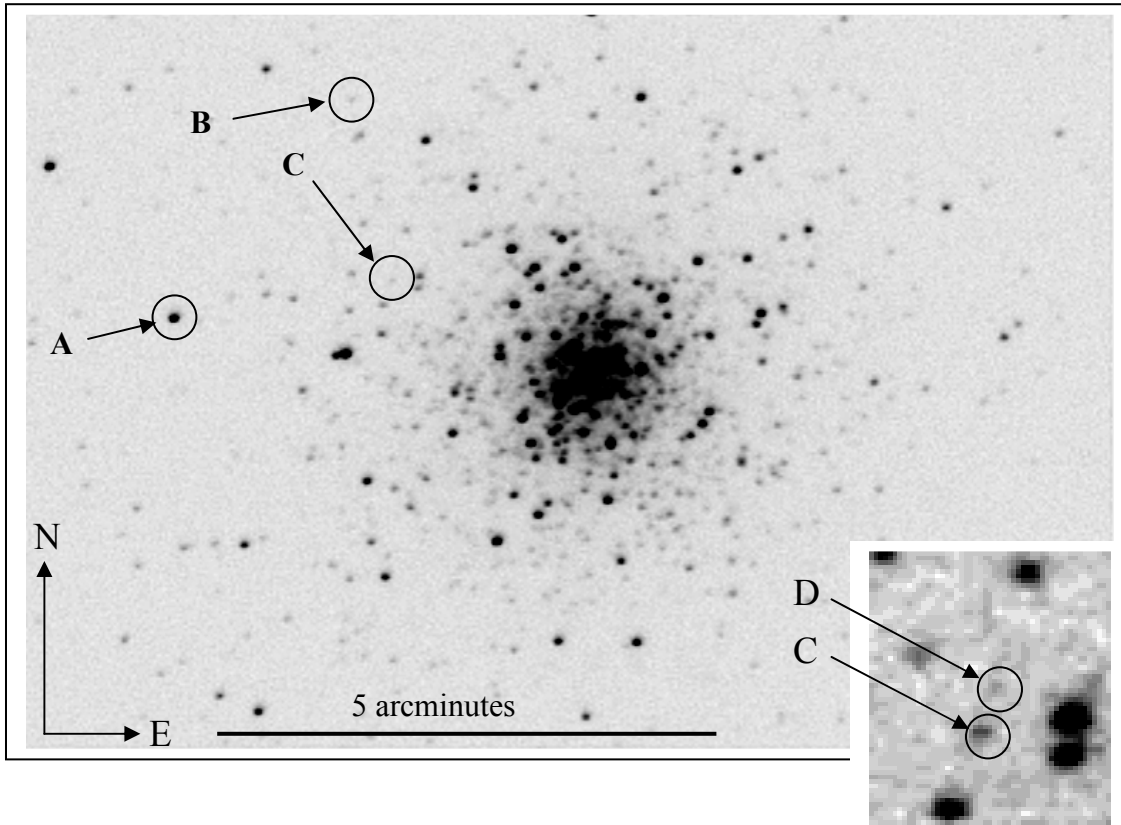


# Recent CCD Images:

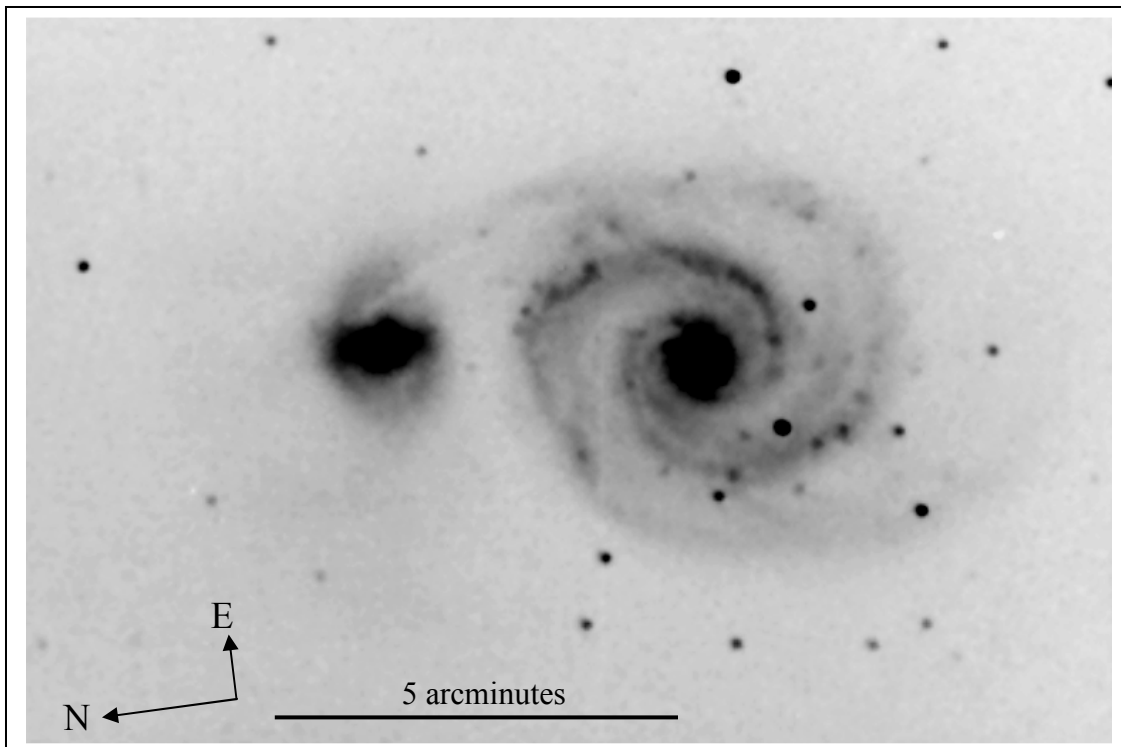
By Greg Morgan

## M3: A Grand Globular Cluster in Canes Venatici



**Fig 1:** M3 (printed in the negative for clarity) was one of the best globular clusters out before midnight in April. I shot this image at f/6.3 only after great frustration not being able to establish a greedily good guide star. Thus, this is a single 30 second exposure without any selfguiding. Inside circle **A** is GSC 2004:973 at mag 12.0. Inside circle **B** is GSC 2004:597 at mag 14.7. Both letter **C**'s are GSC 2004:276 at mag 15.3. Increasing the contrast in the insert, **D** is GSC 2004:730 at mag 15.5. With only a 30 second integration, stars appear out to about the magnitude 15.5 level.

## M51: A Spectacular Spiral Galaxy in Canes Venatici



**Fig 2:** M51 and its companion NGC 5195, offer up one of the best views of a face on spiral galaxy. I shot this image at f/4 for a total of 58 minutes (29x2). Notice the slightly larger field of view at f/4, the 5 arcminute bar is smaller than in the image above. The wind was gusting to about 10 mph. I was able to stack only 29 frames out of about 60 because, on the others, the wind made the star images look like blobs and streaks. I need to remind myself not to image when it is windy.