

### OBSERVATION RECORD

Date: 4/6/02  
Time Started: 11:53 PM CST  
Time Finished: 12:20 AM CST  
Transparency: 4.0  
Seeing: 4.0

OBJECT  
Common Name: The Antennae  
C#: 60 & 61  
NGC #: 4038 & 4039

Telescope: 12.5" Dob  
Eyepiece: 12.5mm plossl  
Filter: —  
Magnification: 122x

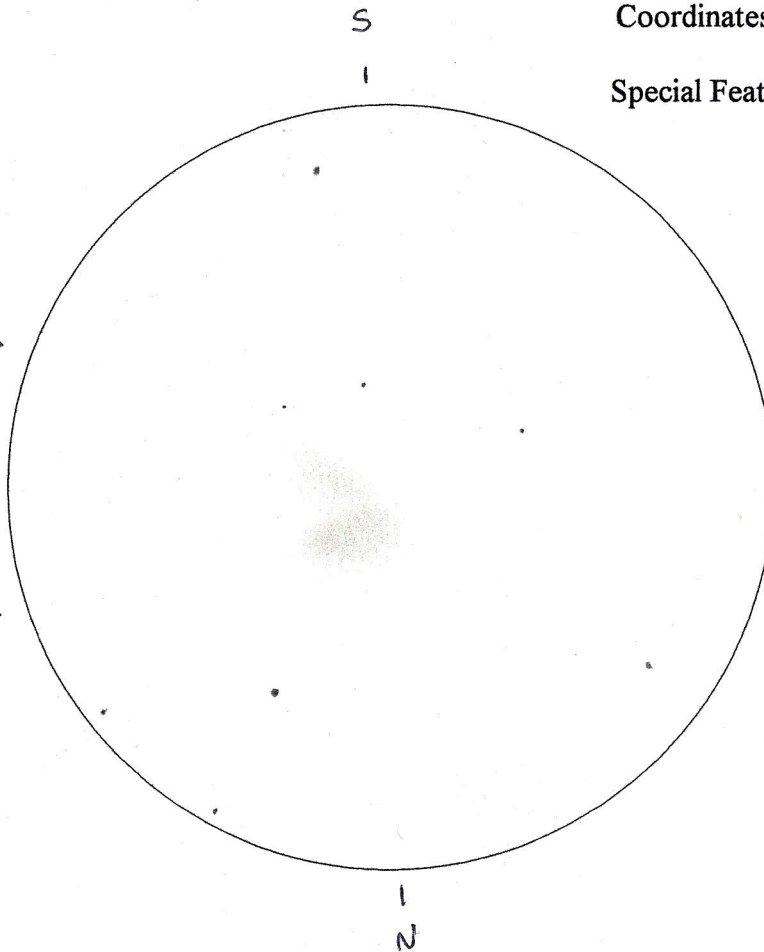
Type: Gal  
Magnitude: 10.3 & 10.6  
Size: 2.6' x 1.8' & 3.2' x 2.2'

Coordinates: 12h 1m 52.9s -18° 51' 54"  
12h 1m 53.9s -18° 53' 06"

Special Features: Interacting galaxies  
C60 type Sp  
C61 type S(B)P  
Dist. 63 million lt. yrs.

Formerly known as the  
Ring-tail or Rat-tail  
Galaxies.

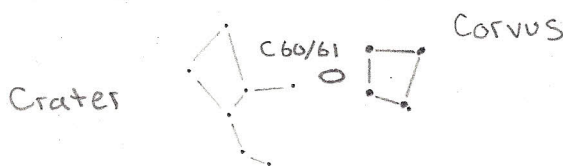
C61 →  
W —  
C60 →



The nearest and  
youngest example  
of a pair of  
colliding galaxies.  
- E After M51, the  
easiest interacting  
galaxies to observe

Observing the  
Caldwell objects  
-David Rottledge

Locating  
Sketch:



Description and Field Notes: Very low surface brightness. Double lobed, heart or lung shaped. Northern lobe definitely brighter. No central condensation, just an overall dim glow. Lobes attached on the eastern side. Each lobe oval. The "antennae" filaments are not visible.