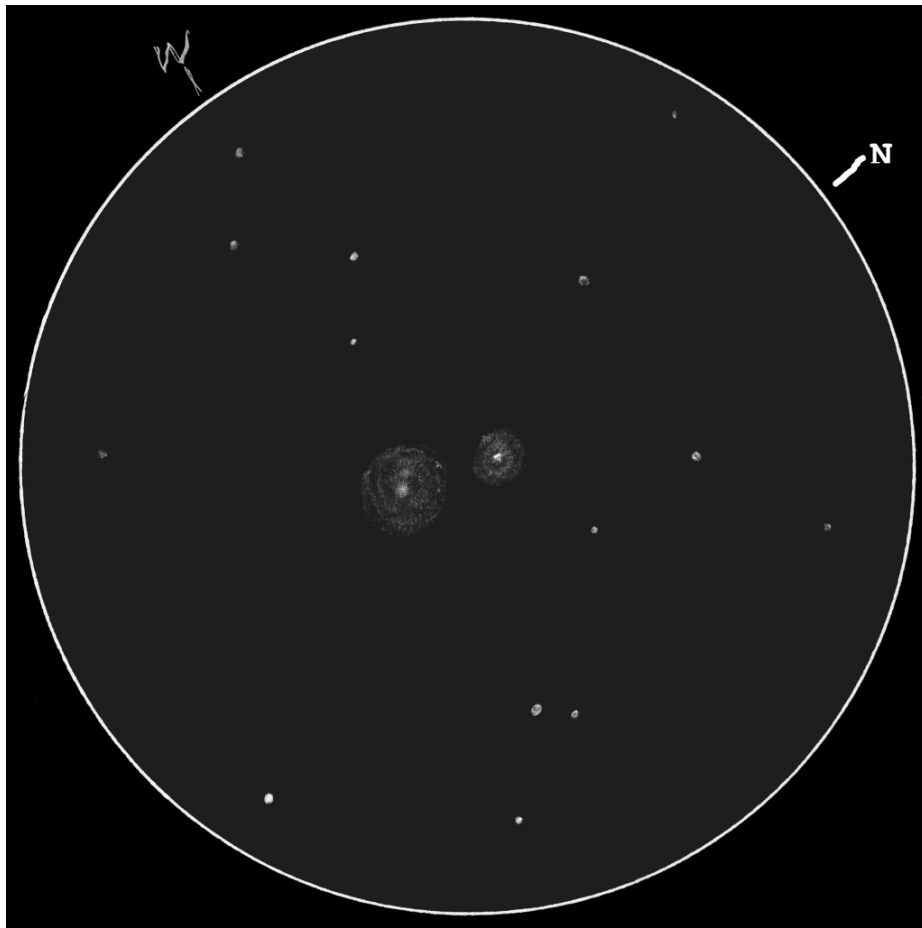


OBSERVER: Ruben Diez-Lazaro\_\_\_\_\_

OBJECT: M-51 (Whirlpool galaxy)\_\_\_\_\_ X: 81\_\_\_\_\_ FOV: 0.1°\_\_\_\_\_ FILTER: \_\_\_\_\_  
 SITE: Hoyos del Espino (Gredos)\_\_\_\_\_ DATE: 2014/08/26\_\_\_\_\_ TIME: 21:05 - 21:55 U.T.\_\_\_\_\_  
 TYPE/MODEL: Schmidt-Cassegrain / C8\_\_\_\_\_ APERTURE: 203 mm\_\_\_\_\_ FOCAL: 2032 mm\_\_\_\_\_  
 EYEPIECE: Celestron Plössl 25 mm\_\_\_\_\_ MALE: 6\_\_\_\_\_ SEEING: 2/5\_\_\_\_\_ TRANSPA: 5.5/7\_\_\_\_\_  
 CHARTS/CATALOG/GUIDE: \_\_\_\_\_



**NOTES:**

Graphite, scanned and inverted/processed with Gimp.  
 Exact location of the observation site:  
 40° 18' 35.7840" N, 5° 12' 14.1840" W.  
 Done in my 2014 summer time.  
 Telescope property of one of my astronomy clubs: Celestron C8 Advanced S/GT.  
 The eyepiece was the default one that come with the telescope.  
 Used with mirror diagonal.

**COMMENTS:**

This pair of galaxies in the constellation of Canes Venatici form a single set in the sky: two interacting galaxies easily visible by modest telescopes and even binoculars.  
 The galaxies are designed by the names M51a, NGC5194 or "Whirlpool galaxy" the brightest one and M51b or NGC5195 the weaker one.  
 M51a is the prototype of a spiral galaxy, with its arms suitable to be resolved even by amateur telescopes (>200mm) under dark skies.  
 From middle and low latitudes, never the less, it never is high over the horizon and the atmosphere must be very clear for good observation.  
 Sketch this object is difficult due to the fine structure between the two galaxies, hard to reflect on the paper.