



2012 December 18 12:00a, 40N  
Fully dark (showing all objects)

C/2009 P1 (Garradd) (Comet)  
Magnitude: 13.12 Coma Diameter: 1.5' SBr: 22.6

Mag/arcsec² Earth Distance: 4.1 AU

13 • 12 • 11 • 10 • 9 • 8 • 7 • 6

PGC 27158  
+07°49' x +05°32'  
Arp 221