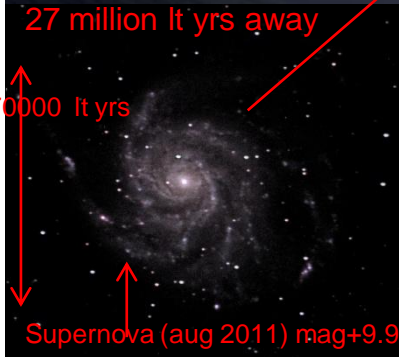


October 11 Sky notes

The Northern Sky as seen at 10:00pm on Oct13th 2011



Spiral galaxy M101

27 million lt yrs away

170000 lt yrs

Supernova (aug 2011) mag+9.9



Spiral / Interacting galaxy M51

Supernova Jun 2011 (mag+12).

23 million lt yrs away



Diffuse emission neb NGC1499

1000 lt yrs away

The Eastern Sky as seen at 10:00pm on Oct 13th 2011

Open cluster NGC457 (Owl)

9000 lt yrs away

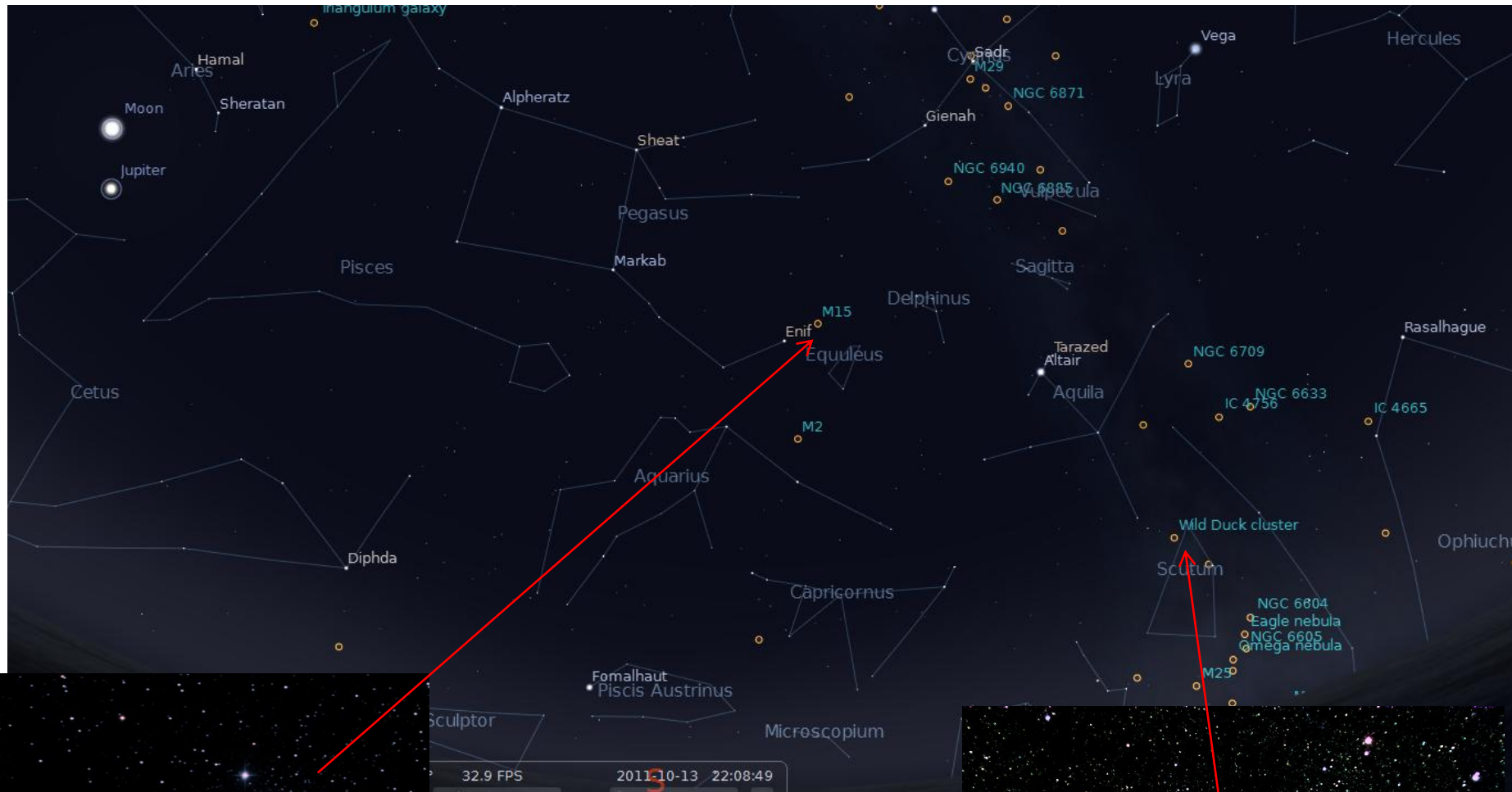


Open cluster M34(Perseus)
1400 lt yrs away



Open cluster M37 (Auriga) 4400 lt yrs away

The Southern Sky as seen at 10:00pm on Oct 13th 2011



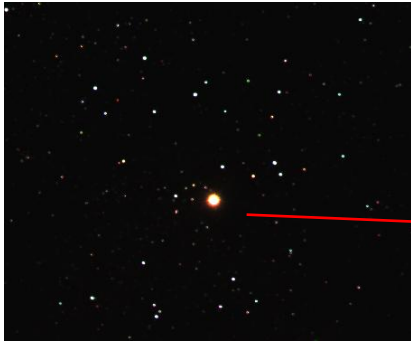
32.9 FPS 2011-10-13 22:08:49

**Wild Duck open cluster M11
(13,400 lt yrs away)**

Globular cluster M15 (33,600 light yrs away)



Constellations of the month : Cassiopeia/Cepheus



**Garnet Star
(mu Cephei)**

**Red supergiant star
One of the largest/most luminous stars
(diameter greater than Saturn's orbit)**

**Emission neb IC1396
2400 lt yrs away
(+ dark nebulae)**



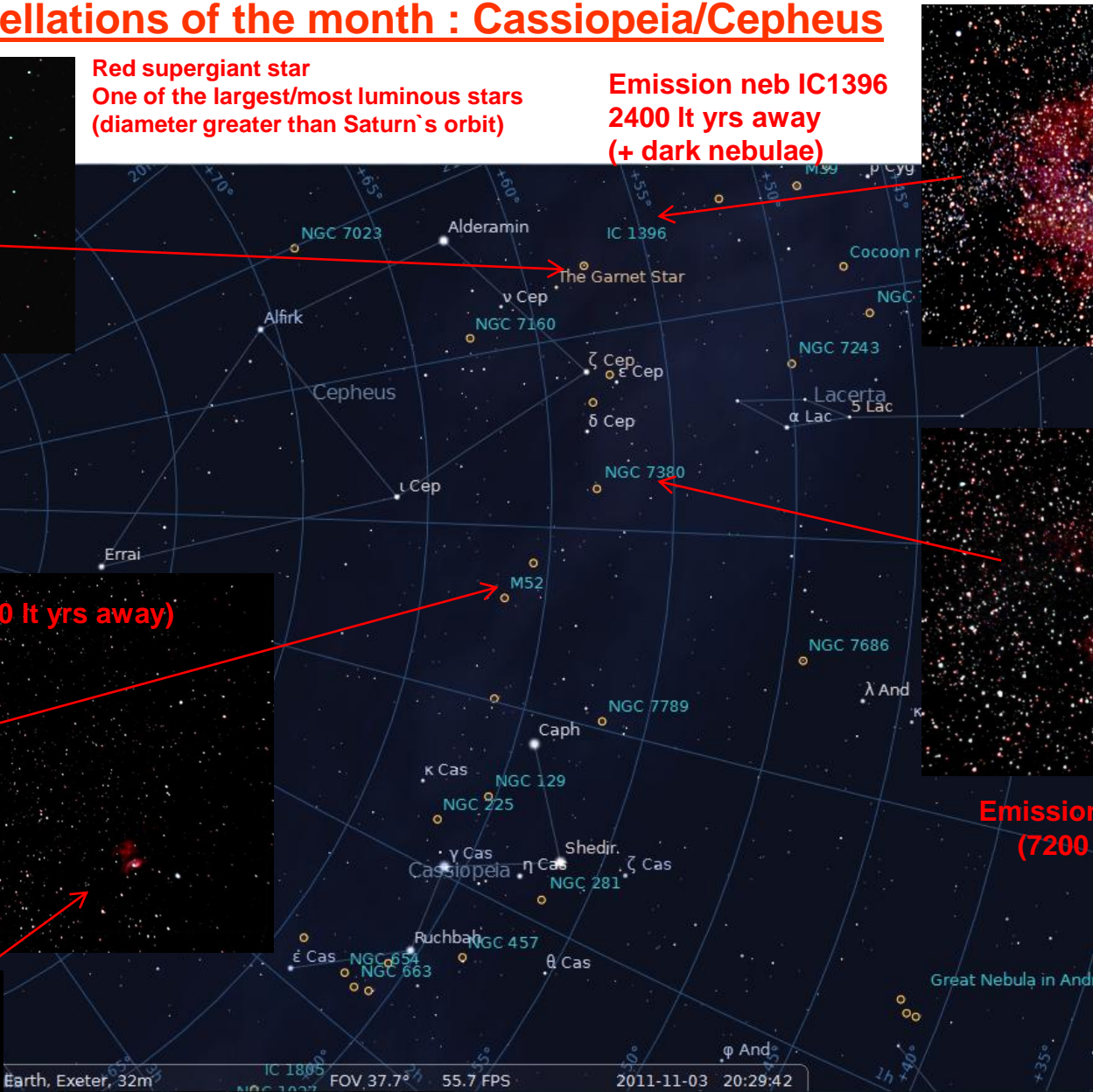
Open cluster M52 (5000 lt yrs away)



**Emission neb NGC7380
(7200 lt yrs away)**



**Bubble nebula (NGC7635)
Wolf Rayet star at centre
(strong interstellar winds from star created bubble nebula)**

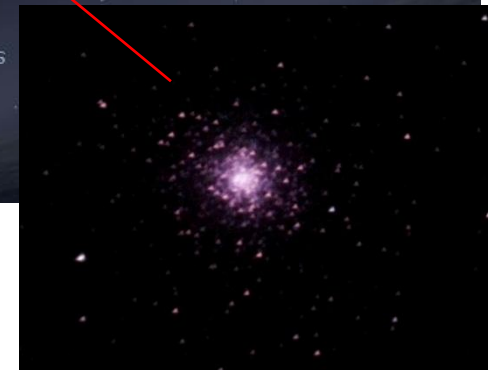


The Western Sky as seen at 10:00pm on Oct 13th 2011

Summer triangle

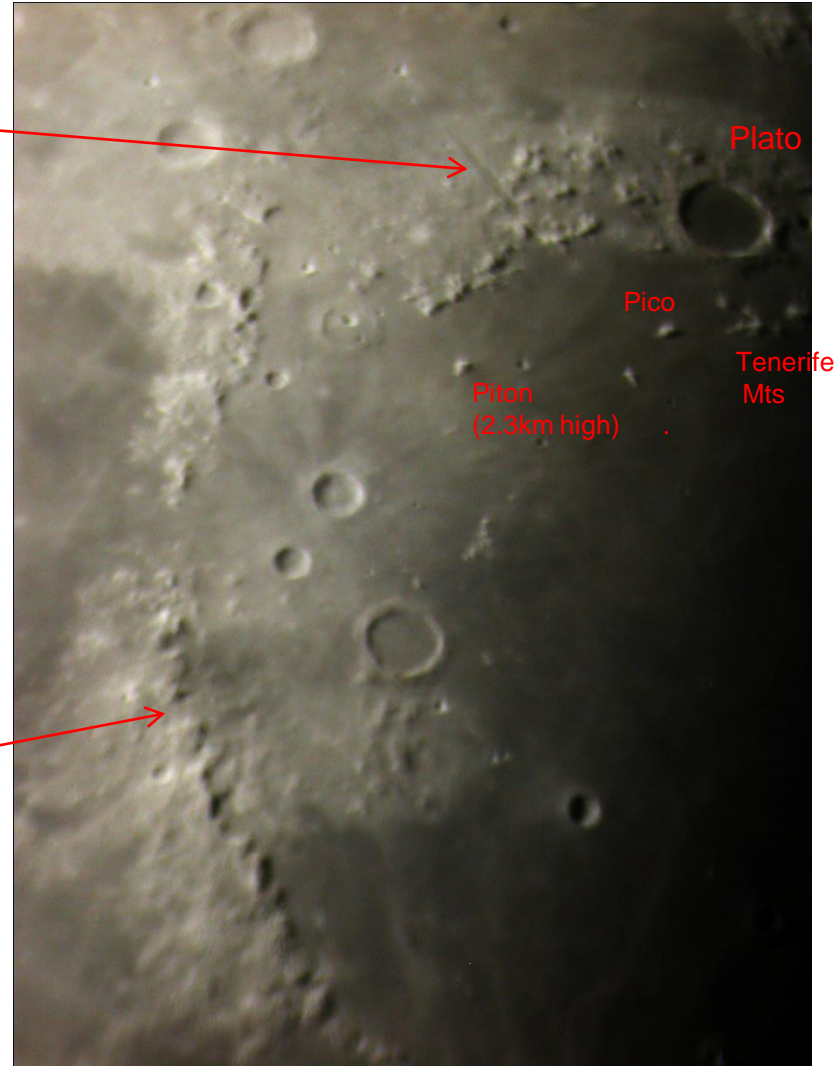
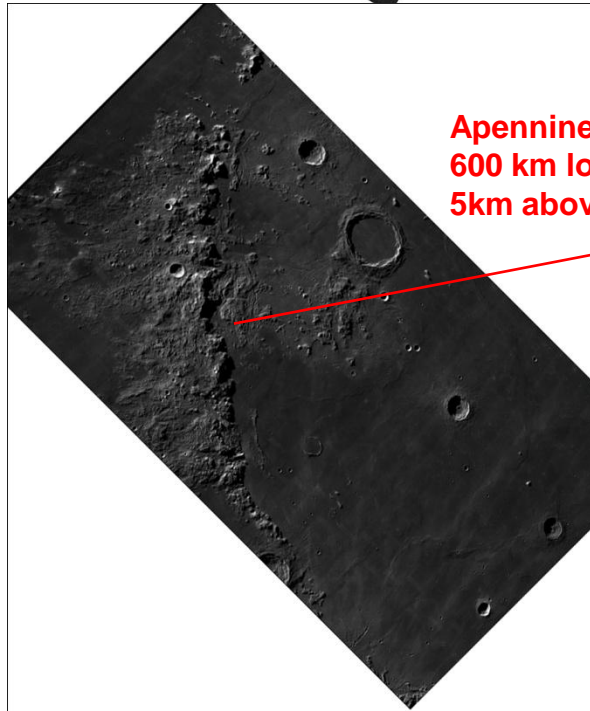
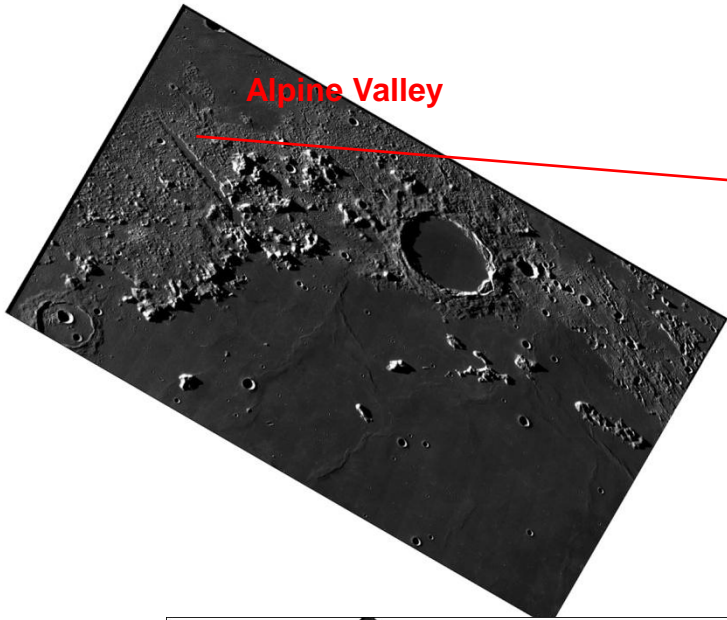


Globular cluster M92
26,400 lt yrs away



Moon :1st quarter (Oct 3rd),Full moon(Oct 11th), Last quarter(19th), New(Oct 26th)

The mountains in / around Mare Imbrium



Planets (Oct 2011)

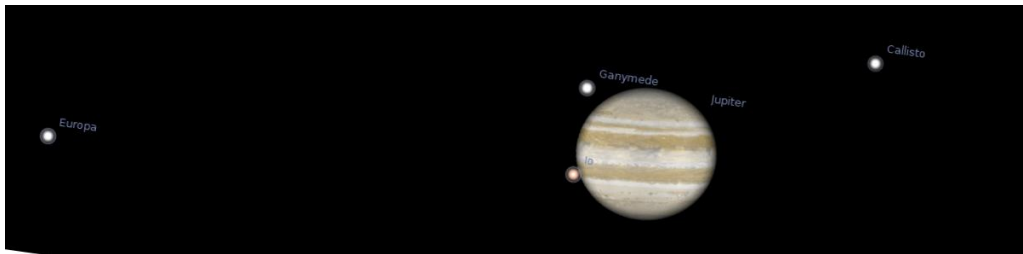
Mercury : not visible this month

Venus : difficult to see – low down after sunset (magn -3.8) – only 10" size

Mars : best seen at the end of Oct – rising after midnight
.near Regulus (mag +1.1 ,5")

Jupiter : rises by 7pm (mid month) in Aries . Maximum altitude of 50deg when due south , Size of disc : 49" , magn -2.7 . Both NEB and SEB are visible now . Fantastic viewing of planet this month

Interesting transits / occultations :



Io transit
Oct 14th 00:15am



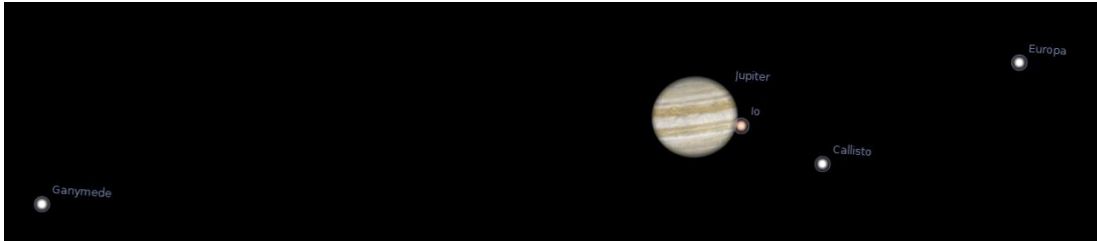
S.Harding
8"SCT 06_10_11



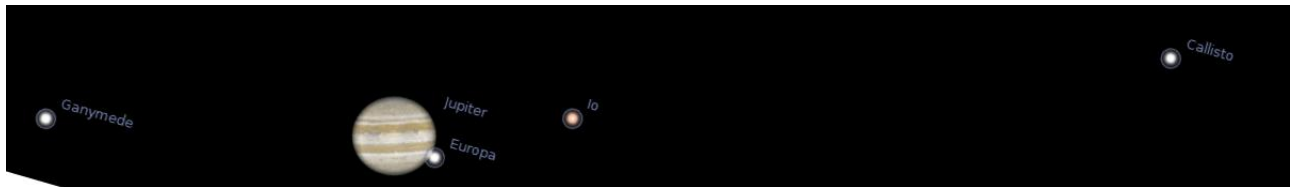
Io reappears from transit
Oct 15th 9pm



Europa occulted
Oct 19th 8:30pm



Io reappearing from transit
Oct 22nd 10:47pm



Europa reappears
From transit
Oct 28th 10:46pm



Io transited
Oct 29th 10:06pm

Saturn : not visible this month

Draconid Meteorites : possible meteor storm (Oct 8th)

Earth passes through dusty filaments shed by Comet 21P/Giacobini-Zinner

Forecasts possibly predict from a **few dozen to a thousand meteors** per hour visible in Europe

The meteors will stream from the **northern constellation Draco**--hence their name, the "Draconids"

Maximum of 1000 meteors per hour predicted at 19:00UT – a meteor storm – bright moonlight may reduce this

