

2DNL-Astronomy Facts- 12th of February 2016

Time (GMT):

Coordinates of Reunion Island:

QUESTIONNAIRE- to be pre-filled in using Stellarium

Adjust the location/date/time on Stellarium in order to prepare the answers to the questionnaire.

Stars

Name	Constellation	Magnitude	Distance to Earth	Colour
Aldebaran				
Rigel				
Acrux				
Sirius				

Constellations

ORION:

How can you detect ORION easily in the night sky (main stars)?

Sketch a drawing of ORION as you can see it in the sky:

Give the names of the brightest stars that compose this constellation.

Time of rise on the 12th of February:

Time of set on the 12th of February:

Who was Orion in the Greek mythology?

Zodiac constellations

What is the definition of the Zodiac (including location in the night sky)?

How many constellations does the Zodiac contain? Name them.

Fill in the following table:

Observed zodiac constellation	Time of rise on Feb. 12	Set time on Feb. 12	Tip to locate this constellation

Solar Planets

Which solar planets can you observe on 2016 Feb. 12?

Find their distances to the Sun (in km and in AU) and compare with the distance Earth-Sun:

Sketch a drawing of what you managed to observe through the telescope:

Moon

What is the phase of the Moon on 2016 Feb. 12?

Give the times of observation of the Moon that night.

Give the definition of the terminator.

Sketch a drawing of the Moon as you can see it through the telescope. Give the details of the objects beyond the terminator.

Extrasolar planets

Display the extra solar planets on Stellarium, just in order to figure out how many are somewhere in the space that surrounds us!