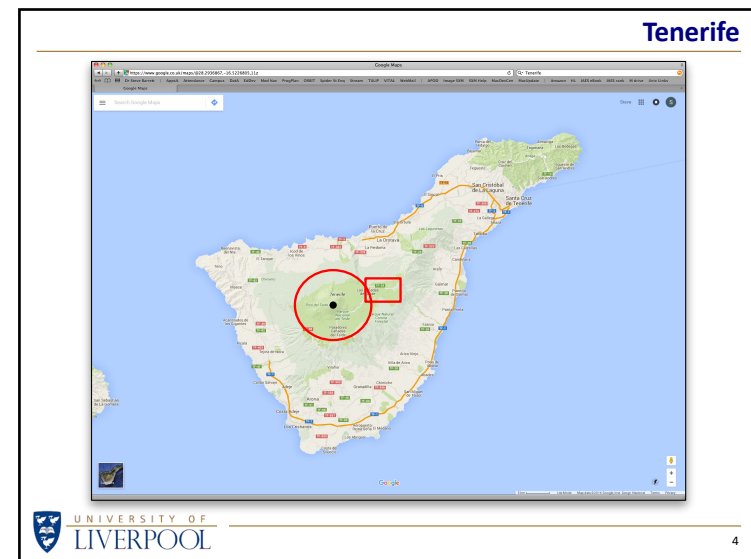
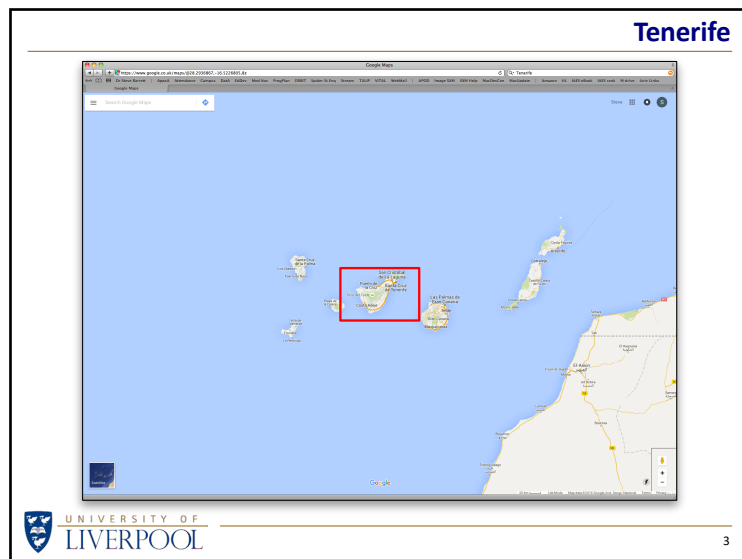
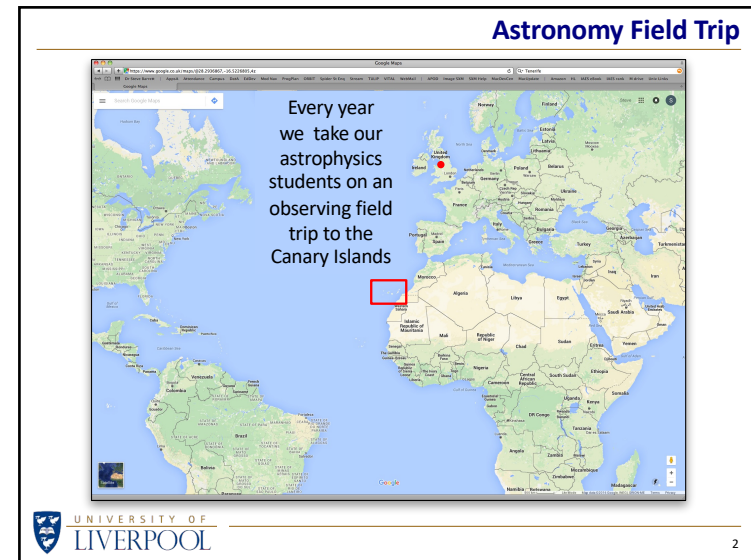
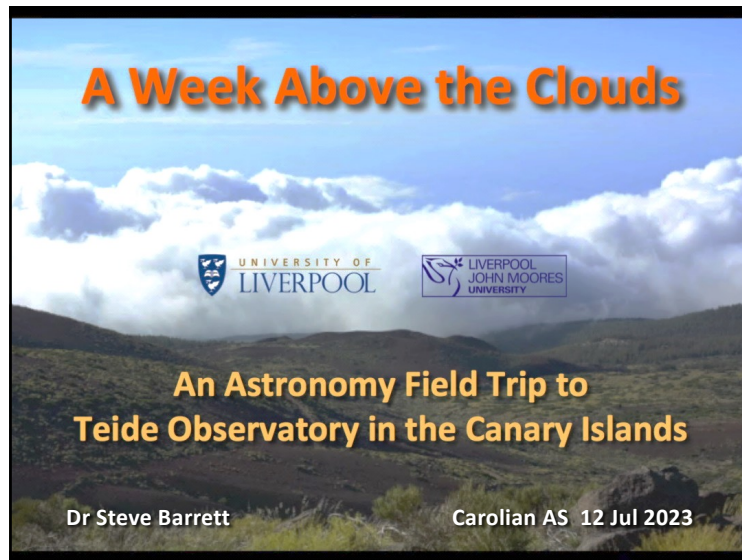
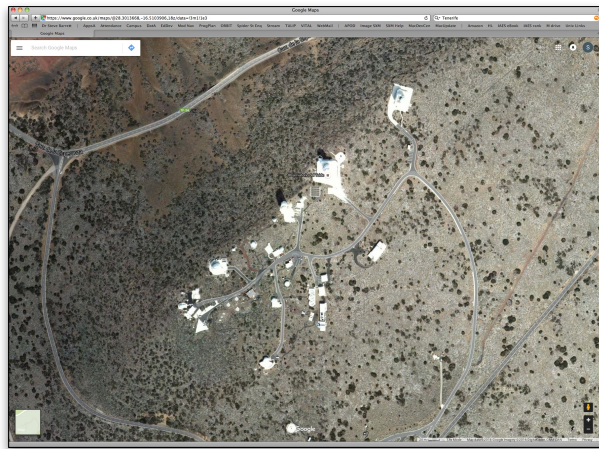


A Week Above the Clouds

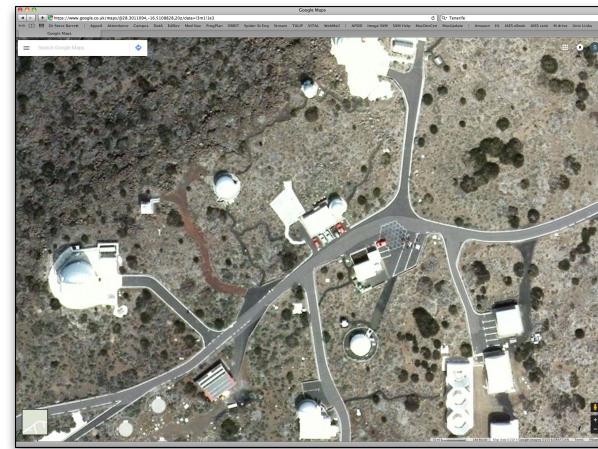


A Week Above the Clouds

Observatory Site



Observatory Site



Mount Teide



Teide Observatory



A Week Above the Clouds

Teide Observatory



Sunset



Mons Telescope



Mons Telescope



20" ex-research
telescope

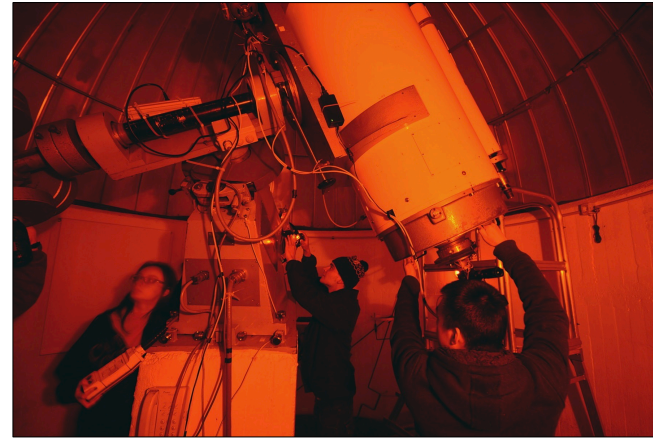
Moved from its
original home at
Mons University,
it is now used for
teaching

A Week Above the Clouds

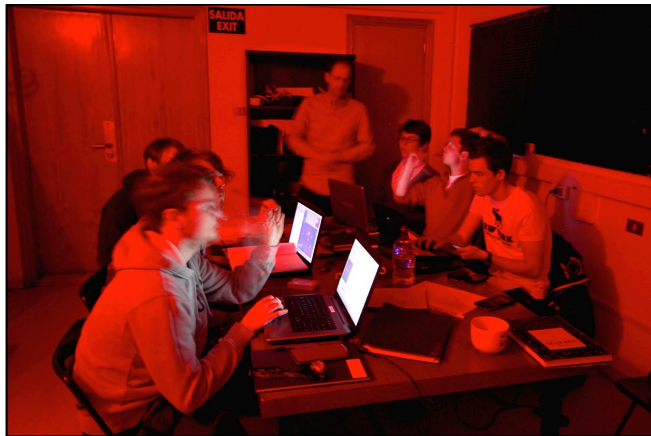
Students At Work



Students At Work



In the Warm Room



What Do the Students Observe?

The students are expected to calculate the coordinates of the objects that they want to observe and then point the Mons telescope, using setting circles, to an accuracy of a few arc-min.

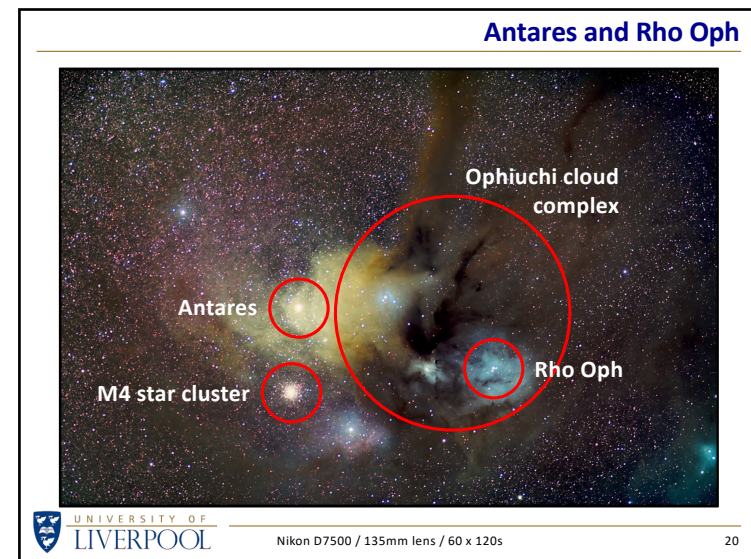
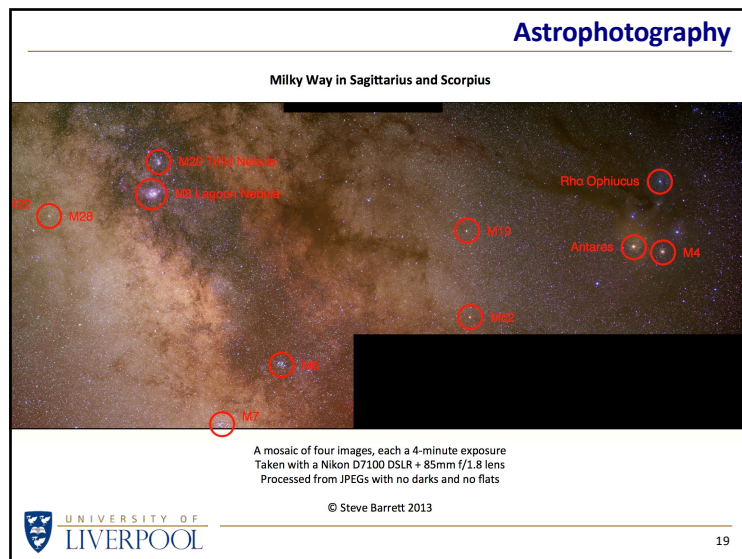
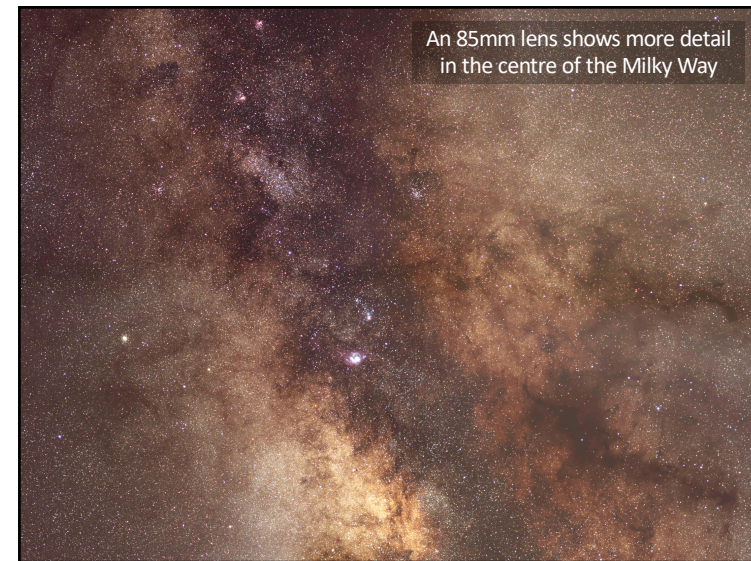
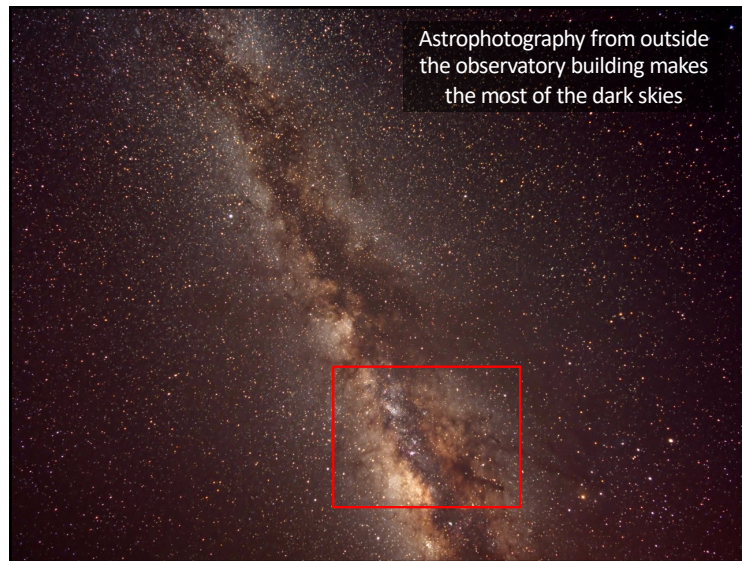
Working in teams of 3 or 4, the students decide on what type of objects they want to study during the week. Examples are:

Star Clusters: Measuring star intensities with different colour filters to generate Hertzsprung-Russell diagrams

Planetary Nebulae: Revealing the nebulae structure visible with hydrogen ($H\alpha$) or oxygen (O-III) filters

Galaxies: Identifying star formation regions in spiral galaxies using a hydrogen ($H\alpha$) filter

A Week Above the Clouds



A Week Above the Clouds



Star Trails



Sunrise



Breakfast



A Week Above the Clouds

Liverpool Telescope



The Liverpool Telescope is on the neighbouring island of La Palma



A research class telescope with a 2 m mirror that can be used for 20% of the time by students and schools around the world

The Best Laid Plans ...



The Best Laid Plans ...



A Week Above the Clouds

www.liverpool.ac.uk/~sdb/Talks

Dr Steve Barrett

Carolian AS 12 Jul 2023