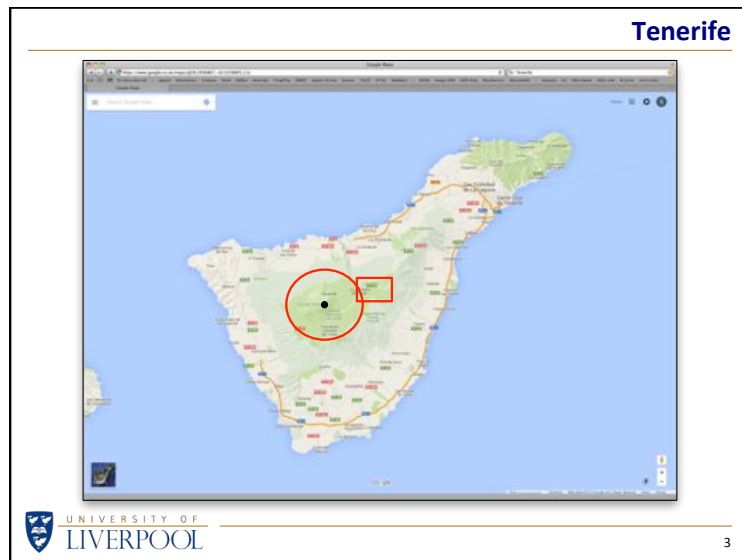
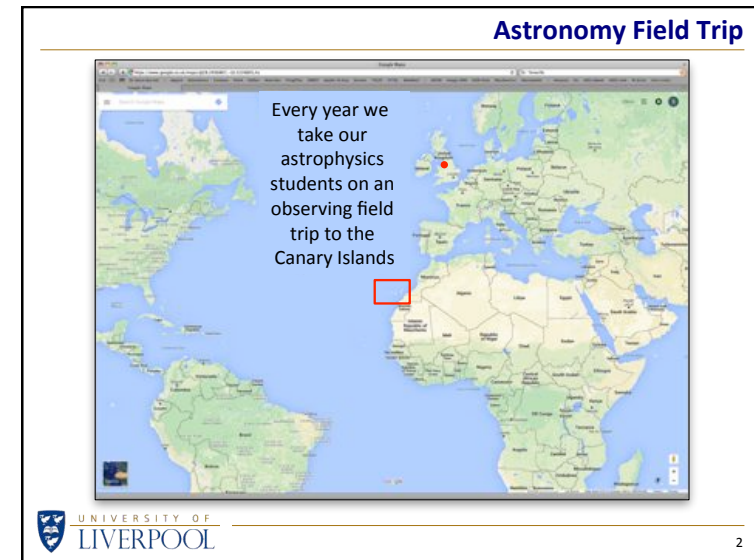
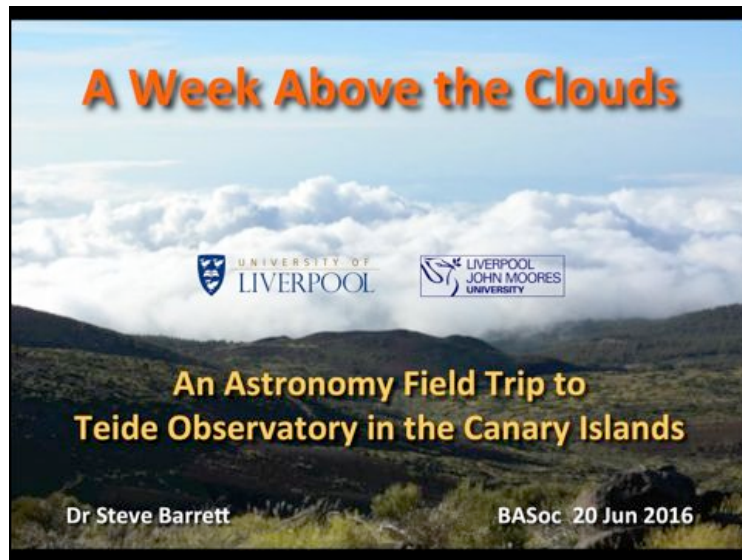


A Week Above the Clouds



A Week Above the Clouds

Mount Teide



Teide Observatory



Teide Observatory

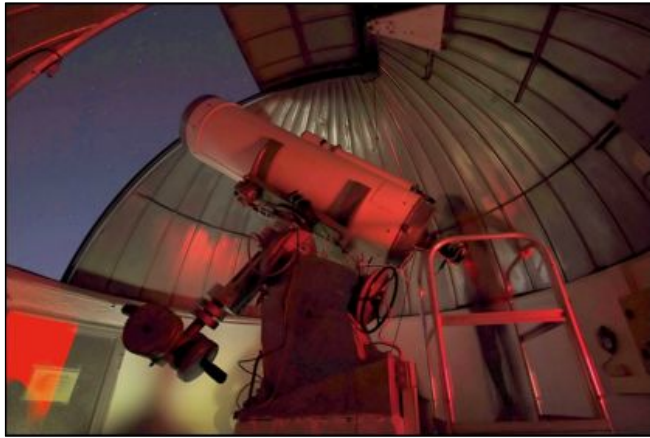


Sunset



A Week Above the Clouds

Mons Telescope



Mons Telescope

20" ex-research
telescope

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

Students At Work

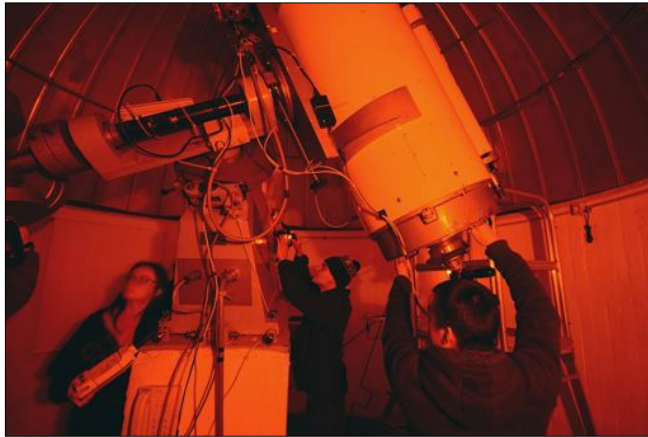


Students At Work



A Week Above the Clouds

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

Astrophotography

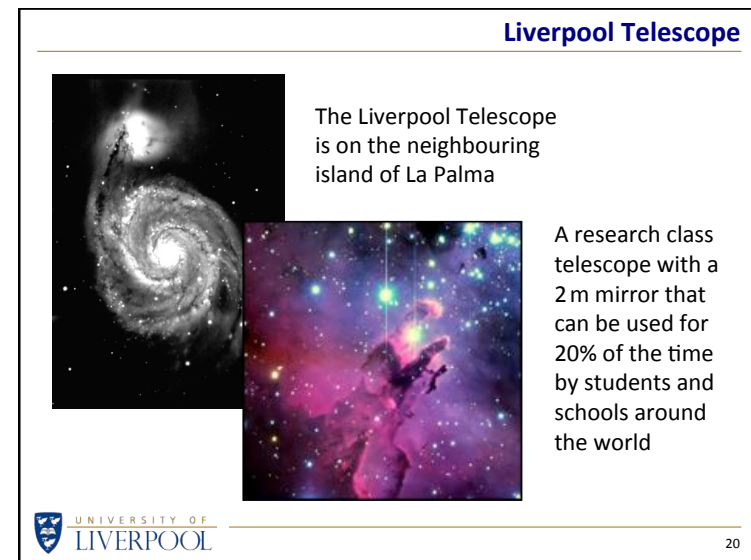
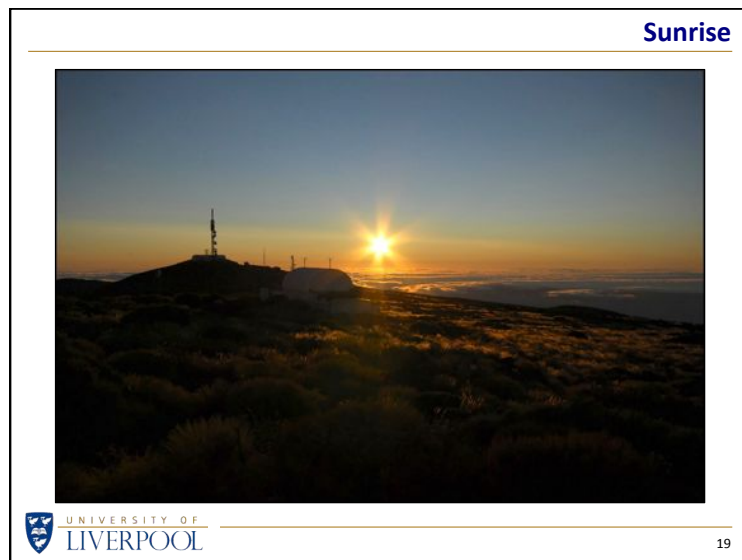
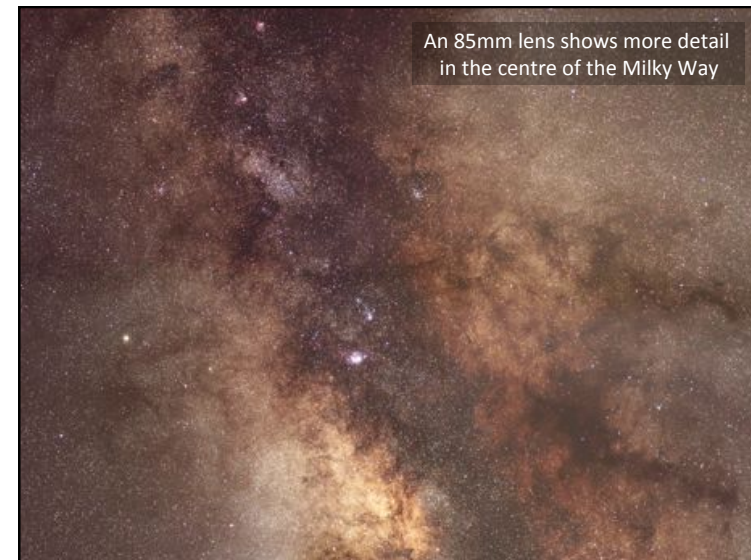
Milky Way in Sagittarius and Scorpius



A mosaic of four images, each a 4-minute exposure
Taken with a Nikon D7100 DSLR + 85mm f/1.8 lens
Processed from JPEGs with no darks and no flats

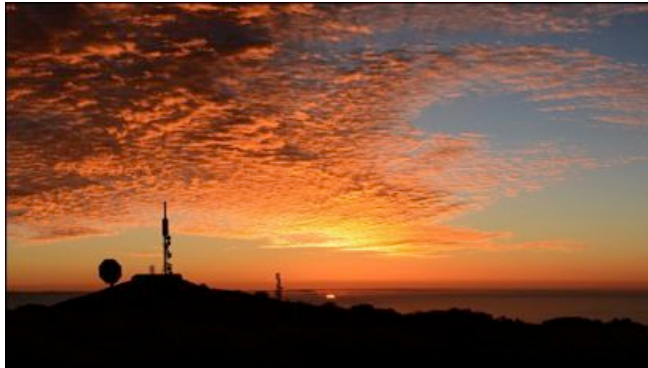
© Steve Barrett 2013

A Week Above the Clouds



A Week Above the Clouds

The Best Laid Plans...



The Best Laid Plans...



The Best Laid Plans...

Departures				
Time	To	Flight	Board Gate	
20:40	Manchester	ZB 569	03:26	Delayed
06:30	Knock	FR 1325	06:50	Gate displayed at 06:20
06:55	Satzburg	HG 2590	06:47	Gate displayed at 06:17
08:00	Barcelona	JP 1111	07:25	Gate displayed at 06:55
08:40	Nürnberg	AB 3139	08:05	Gate displayed at 07:35
09:05	Madrid	FR 2014	08:25	Gate displayed at 07:55
10:10	Basel/Mulhouse	AB 3611	09:57	Gate displayed at 09:27
10:40	Düsseldorf	DE 3467	10:10	Gate displayed at 09:40
11:15	Barcelona	FR 6377	10:35	Gate displayed at 10:05
11:15	Gran Canaria	NT 152	10:52	Gate displayed at 10:22
11:15	Rotterdam/Amst	HV 126	10:40	Gate displayed at 10:10
11:15	Gran Canaria	HV 126	10:40	Gate displayed at 10:10
11:40	Dublin	FR 7123	11:00	Gate displayed at 10:30
11:40	Bristol	FR 4754	11:00	Gate displayed at 10:30
11:55	London STN	FR 6167	11:15	Gate displayed at 10:45
11:55	Bruxelles	JAF 3834	11:05	Gate displayed at 10:35
12:05	East Midlands	FR 3153	11:25	Gate displayed at 10:55
12:40	London LGW	EZY 8704	12:00	Gate displayed at 11:30
14:40	Reykjavik	PF 104	14:05	Gate displayed at 13:35
14:45	Madrid	IB 6977	14:10	Gate displayed at 13:40
14:45	Madrid	PLU 5159	14:10	Gate displayed at 13:40
14:45	Madrid	BA 7099	14:10	Gate displayed at 13:40

An 8 hour delay on the return flight made for a very tiring return to work the next day

A Week Above the Clouds

<http://www.liv.ac.uk/~sdb/Talks>