

Day 1 - Monday 23 September 2013	
09:00 - 09:30	Registration
09:30 - 10:00	Opening <i>UCC</i>
	Course Intro & Organisation <i>P. Regner</i>
10:00 - 10:45	Oceanography from Space <i>P. Cipollini</i>
10:45 - 11:15 Coffee Break	
11:15 - 12:00	Oceanography from Space <i>P. Cipollini</i>
12:00 - 12:45	ESA EO missions and their exploitation for science & applications <i>ESA</i>
12:45 - 14:00 Lunch	
14:00 - 14:45	The SMOS mission <i>N. Reul</i>
14:45 - 15:30	Ocean salinity with SMOS <i>N. Reul</i>
15:30 - 16:00 Coffee Break	
16:00 - 18:00	BEAM practical exercises <i>C. Brockmann</i>
18:00 - 19:00 Ice Breaker	

Day 2 - Tuesday 24 September 2013		Day 3 - Wednesday 25 September 2013		Day 4 - Thursday 26 September 2013		Day 5 - Friday 27 September 2013	
09:00 - 09:45	Principles of Radar Altimetry <i>P. Cipollini</i>	SAR Instrument principles & processing <i>J. Johannessen</i>	Basics of Ocean Colour remote sensing <i>S. Sathyendranath</i>		Measuring sea surface temperature (SST) from space <i>C. Merchant</i>		
09:45 - 10:30	Altimeter data processing <i>P. Cipollini</i>		Primary production from ocean colour <i>T. Platt</i>		Operational systems for SST <i>C. Merchant</i>		
10:30 - 11:00 Coffee Break		Coffee Break		Coffee Break		Coffee Break	
11:00 - 13:00	BRAT basics: an example of SSH computation from along-track altimetric data <i>F. Mertz</i>	SAR Processing and analysis tools <i>F. Collard</i>		Practical exercises with MERIS data using BEAM <i>C. Brockmann</i>		Synergy between SST, ocean colour and altimetry - practical exercise with Bilko <i>V. Byfield</i>	
13:00 - 14:15 Lunch		Lunch		Lunch		Lunch	
14:15 - 15:00	Altimetry and Oceanography <i>P. Cipollini</i>	SAR image interpretation and detection capabilities <i>J. Johannessen</i>		Ocean colour for climate change studies <i>S. Sathyendranath</i>		Observing and modelling SST variability on a range of scales <i>C. Merchant</i>	
15:00 - 15:45	Application of Altimetry <i>P. Cipollini</i>	SAR Applications <i>J. Johannessen</i>		Ecological indicators from ocean colour <i>T. Platt</i>		Synergy between SST, ocean colour and altimetry - practical exercise with Bilko <i>V. Byfield</i>	
15:45 - 16:15 Coffee Break		Coffee Break		Coffee Break		Coffee Break	
16:15 - 18:00	BRAT mapping and statistical functions (high-level gridded altimetric data) <i>F. Mertz</i>	SAR processing and analysis tools (cont.) <i>F. Collard</i>		Practical exercises with BEAM <i>C. Brockmann</i>		Closing Session	