

	Wednesday 18/07	Thursday 19/07	Friday 20/07	Saturday 21/07	Sunday 22/07	Monday 23/07	Tuesday 24/07
9:00-10:30	9:00-9:30 Registration 9:30-9:45 IIs Reusen (EUFAR Intro) 9:45-10:00 Loris Vescovo (EUROSPEC Intro) (Deputacion) 10:00-10:30 Bob Su (UT-ITC): General information on training course and Barrax site	Jose Antonio Gomez Sanchez: INTA airborne hyperspectral facility Oscar Gutierrez de la Camara: The Airborne Hyperspectral Scanner system (AHS). Felix Muñoz: The CASI- 1500i facility	Jose Moreno: Lecture Optical radiometric observations (theory+case studies)	Uwe Rascher: Lecture remote sensing of plant- ecosystems (theory+case studies)	Excursion to Barrax,	Joris Timmermans: Lecture Sub-pixel scale variability (theory+case studies)	Martin Bachmann: Atmospheric correction for airborne hyperspectral data - the ATCOR approach
10:30-11:00	Coffee break	Coffee break	Coffee break	Coffee break		Coffee break	Departure to airport to :
11:00-12:30	Self introduction of students and Scientific Working Group leaders, division of students into Scientific Working Groups	Angel Barba: Flight coordination and safety regulation. Jose Antonio Gomez Sanchez: Approach to flight campaign design Eduardo de Miguel: Data processing of AHS & CASI-1500i datasets	Jose Sobrino: Lecture thermal radiometric observations (theory+case studies)	Wout Verhoef: Lecture Multi- angular observations (theory+case studies)		Christiaan van der Tol Lecture micro- meteorological observations (theory+case studies)	Visit the INTA CASA aircraft
12:30-13:30	Lunch	Lunch	Lunch	Lunch		Lunch	Lunch
13:30-15:00	Eyal Ben-Dor: Lecture Hyperspectral sensing (theory+case studies)	Alasdair Mac Arthur: Hands-on	Jochem Verelst: Tutorial ARTMO	Several: Hands-on (Uwe Rascher)	Alasdair Mac Arthur: Hands-on field equipment & protocols	Several: Hands-on (Joris Timmermans)	Scientific Working Groups and INTA: Finalization of flight plans & ground measurements
15:00-15:30	Coffee break	Coffee break		Coffee break	Coffee break	Coffee break	Coffee break
15:30-16:00	Alasdair Mac Arthur: Lecture Introduction and principles of field spectroscopy (theory+case studies)	Several: Hands-on (Alasdair Mac Arthur)	Alasdair Mac Arthur: Demo of field equipment & protocols	Wout Verhoef: Hands-on	Alasdair Mac Arthur: Hands-on field equipment & protocols	Christiaan van der Tol: Hands-on	Scientific Working Groups and INTA: Finalization of flight plans & ground measurements
16:00-17:00	Thuy Le Toan (Z. Su): Lecture Soil moisture (theory+case studies)	Bob Su and Scientific Working Group leaders: How to make a successful proposal for airborne research. Scientific results from	Pilar Martin: Biophysical parameter estimation	Scientific Working Groups: Scientific objectives of REFLEX flights	Loris Vescovo: Coupling spectral data and EC data	Scientific Working Groups: Preparation of flight plans & ground measurements	Remo Bianchi: ESA Campaign Activities in support of Earth Observation Projects
	Welcome Ice Breaker	previous campaigns					



	Wednesday 25/07	Wednesday 25/07	Thursday 26/07	Thursday 26/07	Friday 27/07	Friday 27/07	Saturday 28/07
	Mission flight – option 1	Work on archived data – option 2	Reflex data inspection – option 1	Backup mission flight – option 2	Option 1	Option 2	
9:00-10:30	8:00 Pre-flight: GO/NO GO 8:00 if GO: Departure to Barrax/airport	8:00 If NO GO Scientific Working Groups: Data analysis on archived data	Scientific Working Groups and INTA: Data inspection (quicklooks, level1b data and field measurements)	8:00 Pre-flight: GO/NO GO 8:00 if GO: Departure to Barrax/airport	Scientific Working Groups: Data analysis & preparation final presentation	Scientific Working Groups and INTA: Data inspection (quicklooks, level1b data and field measurements)	Scientific Working Groups: Presentations
10:30-11:00	Mission Flight		Coffee break	Mission Flight		Coffee break	Scientific Working Groups: Presentations
11:00-12:30	Mission Flight		Scientific Working Groups and INTA: Data inspection (quicklooks, level1b data and field measurements)	Mission Flight		Scientific Working Groups and INTA: Data inspection (quicklooks, level1b data and field measurements)	Concluding remarks by the Host
12:30-13:30	Mission Flight	Lunch	Lunch	Mission Flight	Lunch	Lunch	Lunch
13:30-15:00	Mission Flight	Scientific Working Groups: Data analysis on archived data	Scientific Working Groups: Data analysis	Mission Flight	Scientific Working Groups: Data analysis & preparation final presentation	Scientific Working Groups: Data analysis	Student Departure
15:00-15:30	Mission Flight (or during night-time)		Coffee break	Mission Flight (or during night-time)		Coffee break	
15:30-16:00	15:30 Return			15:30 Return			
16:00-18:00	17:00 Debriefing		Scientific Working Groups: Data analysis	17:00 Debriefing		Scientific Working Groups: Data analysis	
20:00	Dinner (Hotel)	Dinner (Hotel)	Dinner (Hotel)	Dinner (Hotel)	Dinner (Hotel)	Dinner (Elsewhere)	