

# Agenda Summer School 2018

## Monday, 11 June

<b>am</b>	Welcome Opening Quiz Lecture Lab	Introduction of students and teachers plus discussion of agenda (All) ALL Electromagnetic spectrum and radiative transfer – <b>Bennartz</b> Introduction to McIDAS-V (case from 6 November 2005)
<b>pm</b>	Lecture Lab Lab	Satellites, instruments and orbits – <b>Bennartz, Kerkmann</b> Smoke in Botswana (29 August 2008) Discussion of results

## Tuesday, 12 June

<b>am</b>	Lecture Lab Lab	RGB Products overview – <b>Kerkmann</b> Wildfires in South Africa (1 September 2008) Discussion of results
<b>pm</b>	ALL Lecture Lab Lab	Daily Weather Briefing Infrared soundings (multi-spectral and hyperspectral) – <b>Bennartz</b> Investigate a tropical depression with AIRS Discussion of results

## Wednesday, 13 June

<b>am</b>	Lecture Lab  Lab	Microwave soundings – <b>Bennartz</b> Investigate a tropical depression with MODIS and AMSR in addition to AIRS Discussion of results
<b>pm</b>	ALL Lecture Lab Lab	Daily Weather Briefing Aerosols 1 (dust, smoke) – <b>Kerkmann</b> Dust / Smoke discrimination (22 October 2007) Discussion of results

## Thursday, 14 June

<b>am</b>	Lecture Lab  Lab	Aerosols 2 (ash and SO <sub>2</sub> ) – <b>Kerkmann</b> a) Thin ash and ice clouds (15 April 2010) b) Volcanic Ash and SO <sub>2</sub> clouds (6 June 2011) Discussion of results
<b>pm</b>	ALL Lecture Lab Lab	Daily Weather Briefing Looking at clouds (cloud properties, VIS and NIR) – <b>Bennartz</b> Deep convection over Burkina Faso (5 April 2007) Discussion of results

## Friday, 15 June

<b>am</b>	Lecture Lab  Lab	Looking at clouds and precipitation – <b>Bennartz</b> Precipitation case with microwave channels from AMSR-E and an overpass by CloudSat Discussion of results
<b>pm</b>	ALL Lecture Lab Lab	Daily Weather Briefing (for weekend) Climate applications, inter-calibration, long-term stability – <b>Bennartz</b> Looking at Arctic sea ice extent with AMSR-E Discussion of results

