

SAC Middle East Course for Trainers

3-7 September 2023, Salalah, Oman

Sunday, 3 September

S1, am	Welcome	0800-0830	Registration + opening ceremony + group photo + 2 minutes video about Salalah
	Opening	0830-0900	Introduction to the course (all)
	Lecture	0900-1000	Electromagnetic spectrum, satellites and orbits – Dr Humaid
	Break	1000-1015	Coffee Break
	Lab	1015-1200	Introduction to McIDAS-V (case from 6 November 2005) Smiljanic + Zamzam (lab1__mcv_intro_instructions_v2021.pdf) Discussion of results
	Break	1200-0100	Lunch Break
S2, pm	ALL	0100-0130	Daily weather briefing (all)
	Lecture	0130-0200	How to visualize spectral information Shima and Smiljanic??
	Lab	0200-0330	Fog and low cloud detection through channel difference and RGBs (lab_20131126_fog_kuwait.pdf) Discussion of results

Monday, 4 September

S3, am	Lecture	0830-0900	Low-level moisture detection with imager data – Zamzam
	Lab	0900-1200	Lab on the use of BTM and Dust RGB for low-level detection (yes) (lab_20130416_moisture_saudi Arabia.pdf) Discussion of results
	Break	1200-0100	Lunch Break
S4, pm	ALL	0100-0130	Daily weather briefing (all)
	Lecture	0130-0200	Aerosol detection with imager data - Smiljanic
	Lab	0200-0330	Dust detection using Dust and Natural Colour RGB (lab_20080315_dust_iraq.pdf) Discussion of results

Tuesday, 5 September

S5, am	Lecture	0830-0900	Convection monitoring with imager data – Ibrahim Al Abdulsalam
	Lab	0900-1200	Convective storms with SEVIRI and MODIS (lab_20091125_convection_jeddah.pdf) Discussion of results
	Break	1200-0100	Lunch Break
S6, pm	ALL	0100-0130	Daily weather briefing (all)
	Lecture	0130-0200	MTG mission introduction – Smiljanic
	Exercise	0200-0330	Fist FCI data exploration + Discussion of results

- Social Dinner -

Wednesday, 6 September

S7, am	Lecture	0830-0900	Cloud Microphysics (Phase, Particle Size) – Smiljanic
	Lab	0900-1200	Lab on the use of the NIR2.25 channel <i>(McV LAB MTG-1 - Exploring 2.25um cloud phase channel.pdf)</i>
	Lab		<i>Discussion of results</i>
	Break	1200-0100	Lunch Break
S8, pm	ALL	0100-0130	Daily weather briefing (all)
	Lecture	0130-0200	Solar WV absorption channels – Smiljanic
	Lab	0200-0330	Lab on the use of the NIR1.3 channel <i>(lab_nir13_channel_instructions_shorter.pdf)</i>
			<i>Discussion of results</i>

Thursday, 7 September

S9, am1	Discussion	????-????	Best practices in training and TDP – Higgins
	Exercise	????-????	Produce your own TDP
	Break	1200-0100	Lunch Break
S10, am2	Discussion	????-????	Where and how to retrieve useful data – Erdi
	Exercise	????-????	Use case - get you own data of interest
	End	0300-0330	Summary & Closing ceremony

Additional cases :

1. Fog over India / dates /satellite /etc info
2. TC Iran / date / IODC / ...
3. Red Sea / KSA convection / November 2022 / SEVIRI and MTG + July 2022