

EARLINET/ACTRIS support to the summer 2013 ADRIMED/ChArMEX campaign

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Scientific objectives

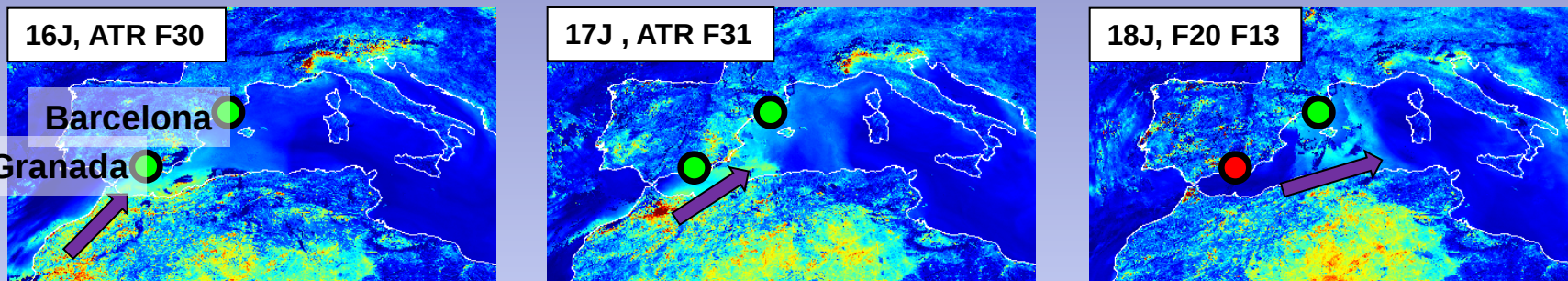
- Phys.-chem.-optical properties of the main “Mediterranean aerosols” (mineral dust, anthropogenic and smoke aerosols) → focus on absorbing properties
- Mixing of aerosols over the basin and the impact on absorbing properties
- Aerosol direct radiative forcing (SW and LW, at local and regional scales) at BOA, TOA and ATM + associated diabatic heating rates



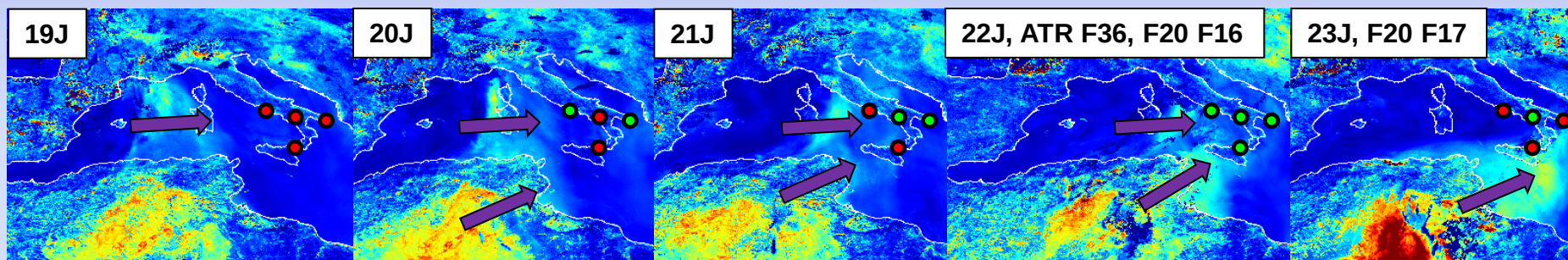
- Super sites
- Secondary sites
- ★ Lidar
- ★ Sun-photometer

Saharan dust over the IP and the WMB

● Measurements / ● No measurements



Saharan dust over the CMB and south Italy



Mixed event (US/Can fires + dust + anthropogenic aerosols)

