

SDS-WAS products



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chair of the WMO SDS-WAS Steering Committee



Barcelona Dust Forecast Center

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BARCELONA DUST FORECAST CENTER



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LATEST NEWS

[Establishing a WMO SDS-WAS Regional Node for West Asia](#)

Training events in Muscat, Oman

Dust-related training events organized by the Regional Center for Northern Africa, Middle East and Europe of WMO SDS-WAS

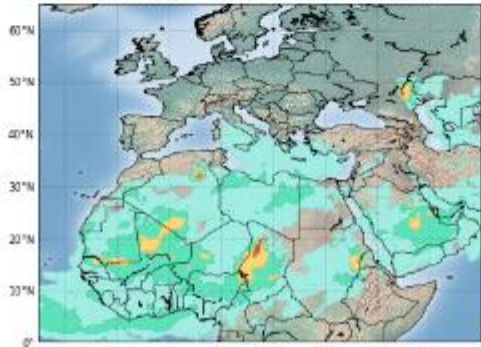
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Barcelona Dust Forecast Center

NMMS/BSC-Dust Res: 0.1°x0.1° Dust Surface Conc. (µg/m³)

Run: 12h 13 NOV 2013 Valid: 00h 14 NOV 2013 (H+12)



Dust forecast

Latest dust forecast for Northern Africa, Middle East and Europe

[Check it here](#)

<https://dust.aemet.es>

dust.aemet.es

Barcelona Dust Forecast Center

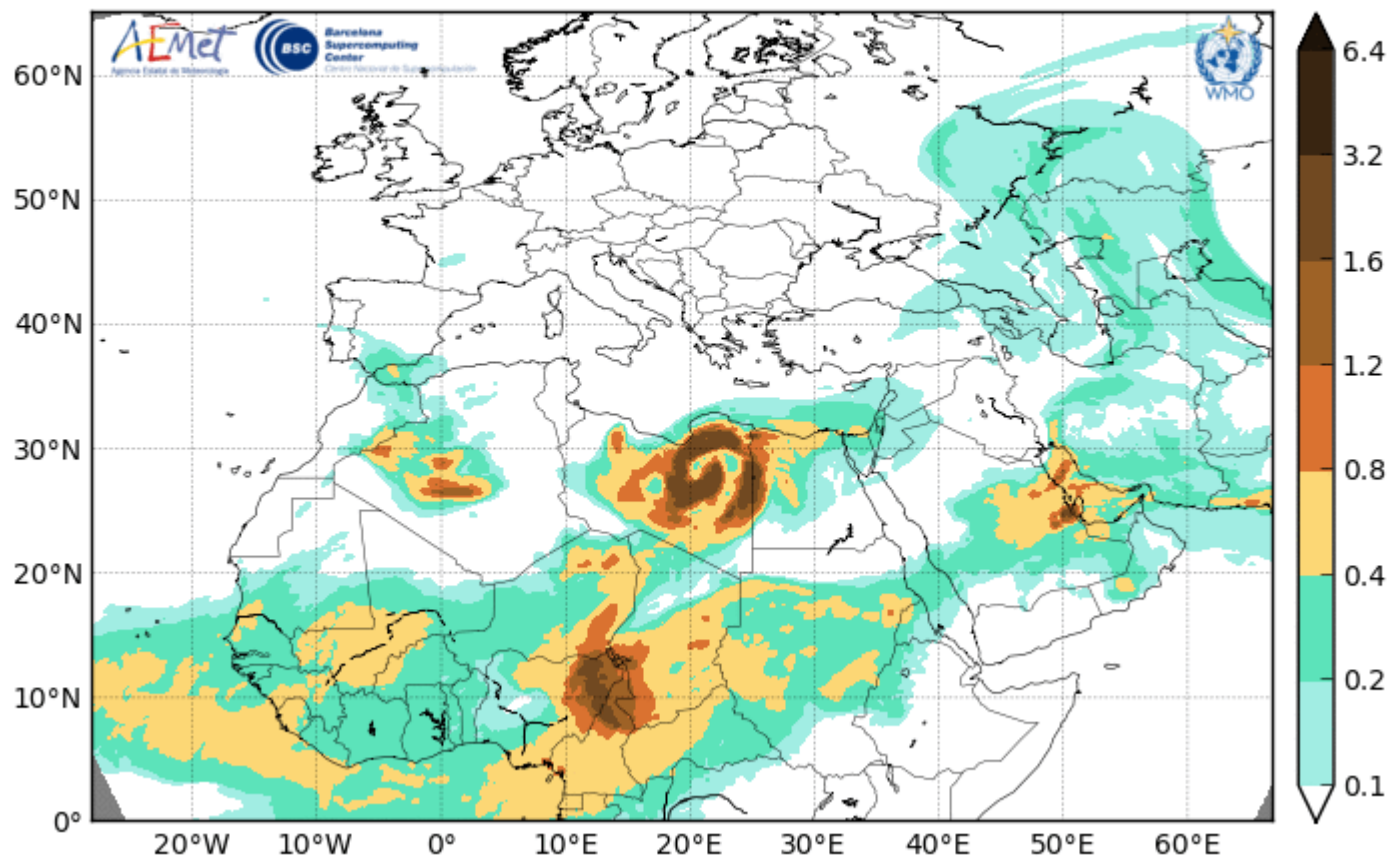
FORECAST

Barcelona Dust Forecast Center

Barcelona Dust Forecast Center - <http://dust.aemet.es/>

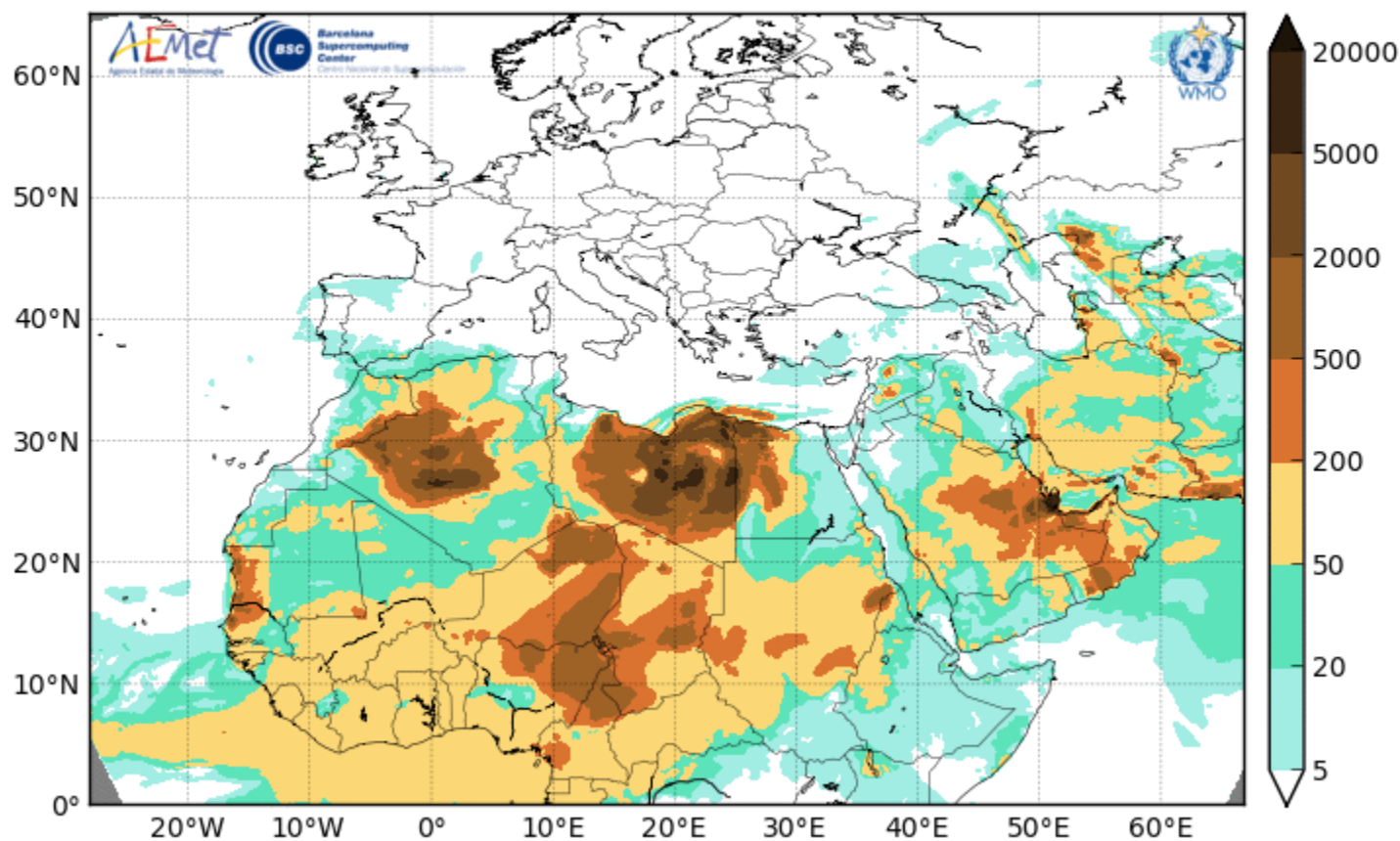
NMMB/BSC-Dust Res:0.1°x0.1° Dust AOD

Run: 12h 17 MAR 2017 Valid: 12h 17 MAR 2017 (H+00)



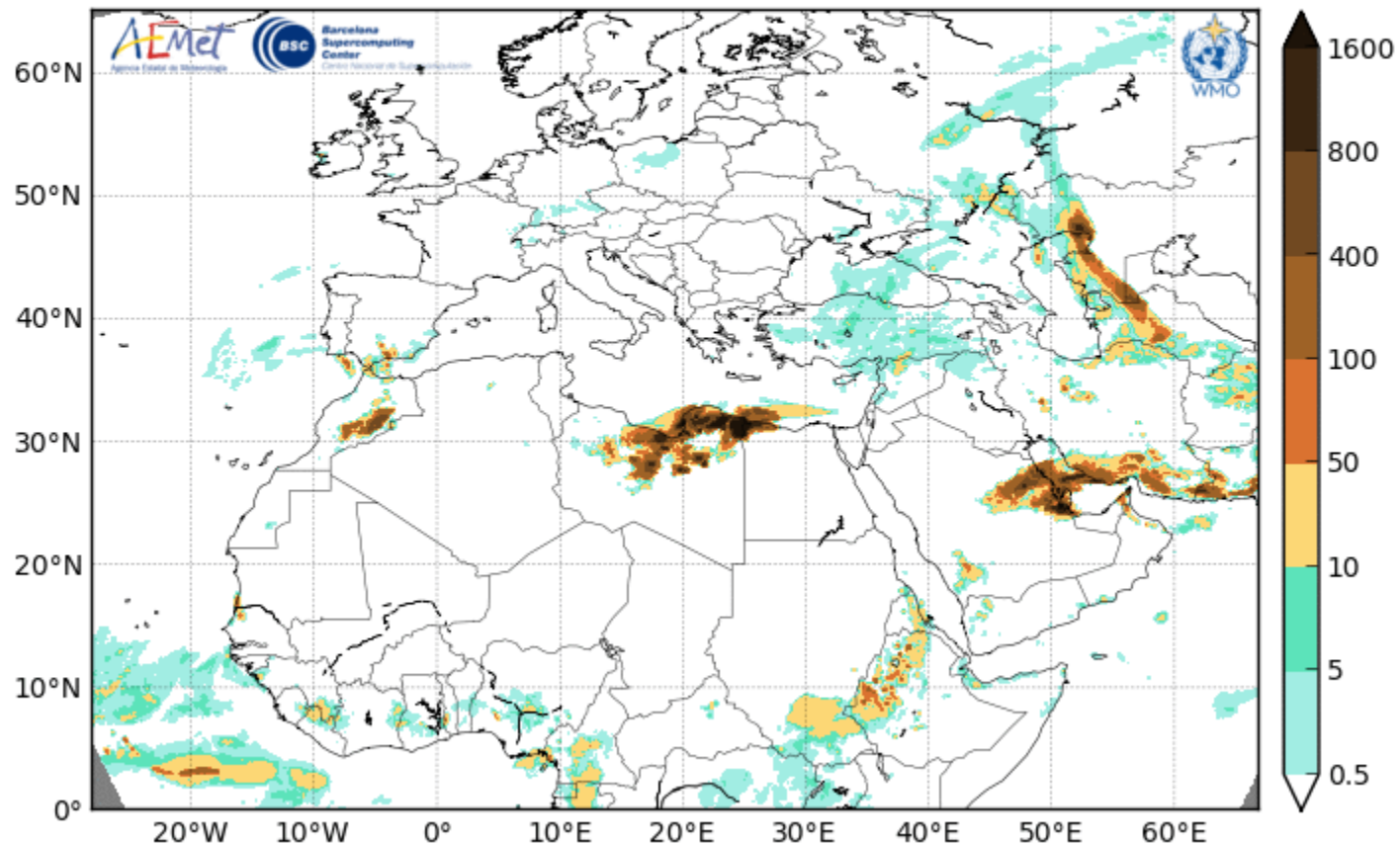
Barcelona Dust Forecast Center

Barcelona Dust Forecast Center - <http://dust.aemet.es/>
NMMB/BSC-Dust Res:0.1°x0.1° Dust Surface Conc. ($\mu\text{g}/\text{m}^3$)
Run: 12h 17 MAR 2017 Valid: 12h 17 MAR 2017 (H+00)




Barcelona Dust Forecast Center

Barcelona Dust Forecast Center - <http://dust.aemet.es/>
NMMB/BSC-Dust Res:0.1°x0.1° 3h Acc. Dust Wet Depos. (mg/m²)
Run: 12h 17 MAR 2017 Valid: 12h 17 MAR 2017 (H+00)



SDS-WAS Regional Center NAMEE

 **NORTHERN AFRICA-MIDDLE EAST-EUROPE (NA-ME-E) REGIONAL CENTER**
WMO Sand and Dust Storm Warning Advisory and Assessment System (SDS-WAS)

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WMO SDS WAS T1 Asia Regional Center

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Northern Africa-Middle East-Europe (NA-ME-E) Regional Center

by Francisco Sanchez — last modified May 29, 2012 02:32 PM

Outstanding

- Guidance for forecasters
- 11 lectures on atmospheric mineral dust
- Forecast evaluation
- Compared dust forecasts

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Latest News

Satellite data are now available
Sep 04, 2012

Comparison of dust models
Aug 29, 2012

Under data and quicklooks
Aug 29, 2012

Upcoming Events

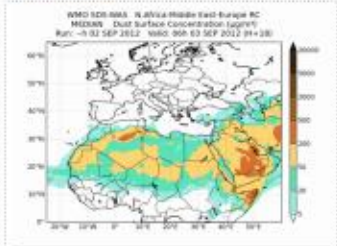
European Aerosol Conference EAC-2012
Sep 02, 2012 - Sep 07, 2012 — Granada, Spain

2012 EUMETSAT Meteorological Satellite Conference
Sep 02, 2012 - Sep 07, 2012 — Sosn, Poland

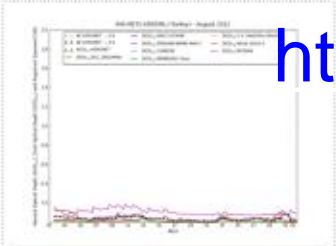
90th International Symposium on Tropospheric Profiling

Dust forecasts

WMO SDS-WAS: N Africa-Middle East-Europe RC
MISSION: Dust Surface Concentration (µg/m³)
Run: 01 SEP 2012 - 06 SEP 2012 10:00 UTC




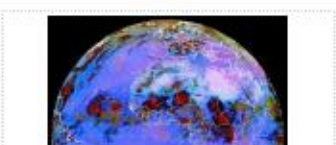
Compared Dust Forecasts



Forecast Evaluation

Dust observations





<https://sds-was.aemet.es>
sdswas@aemet.es

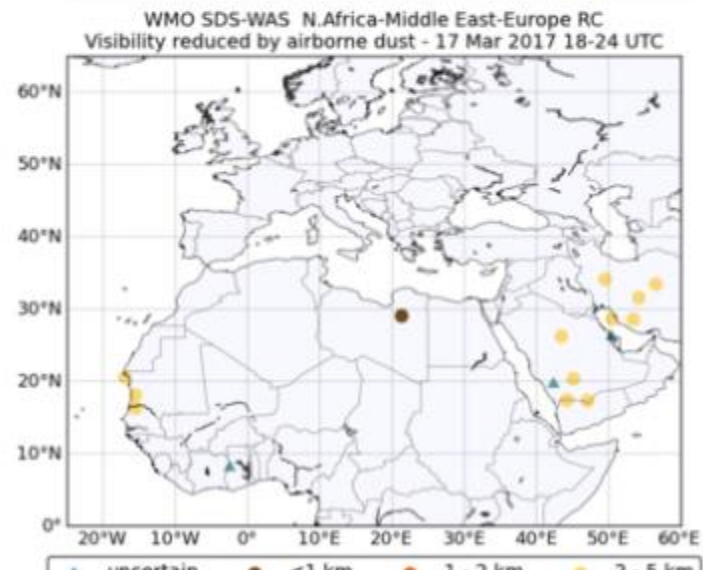
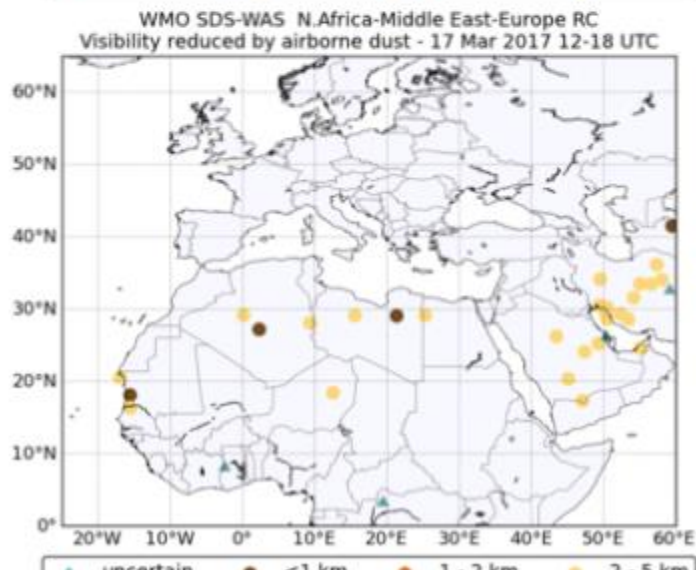
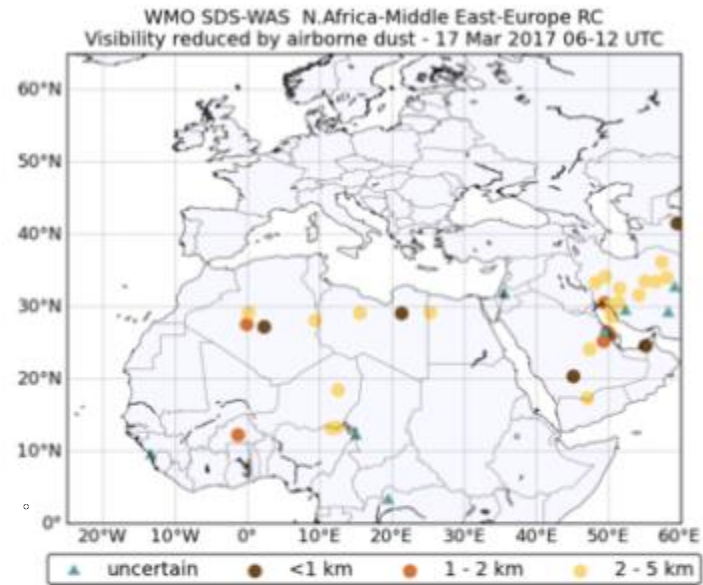
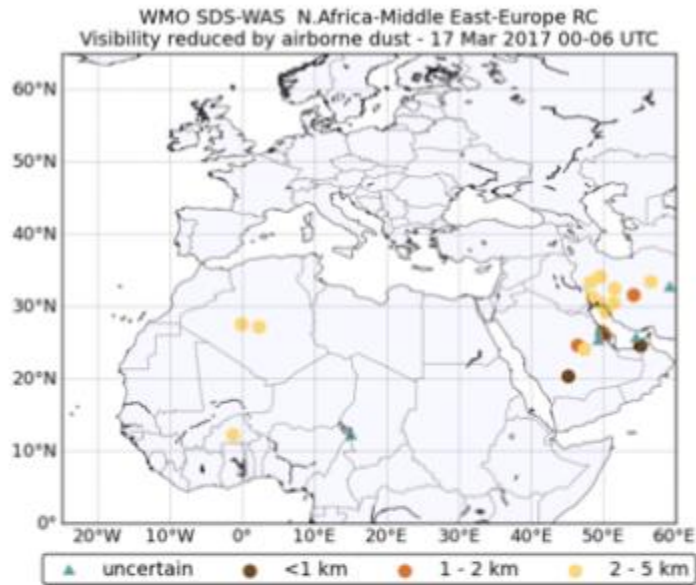
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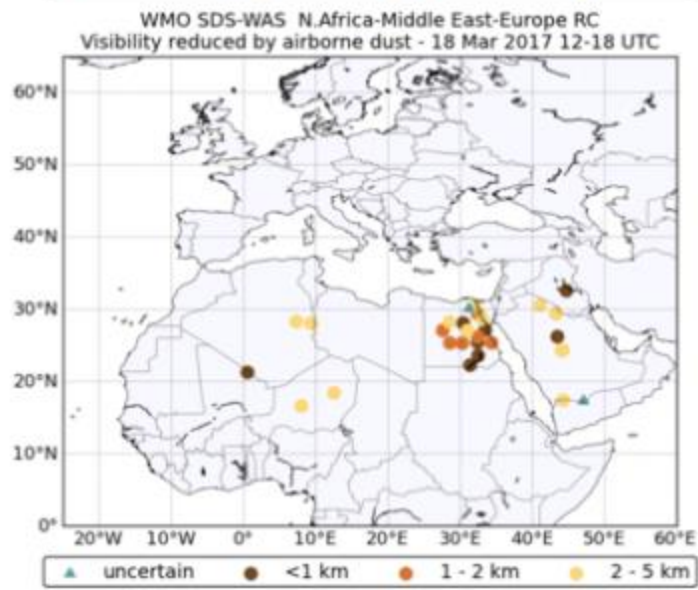
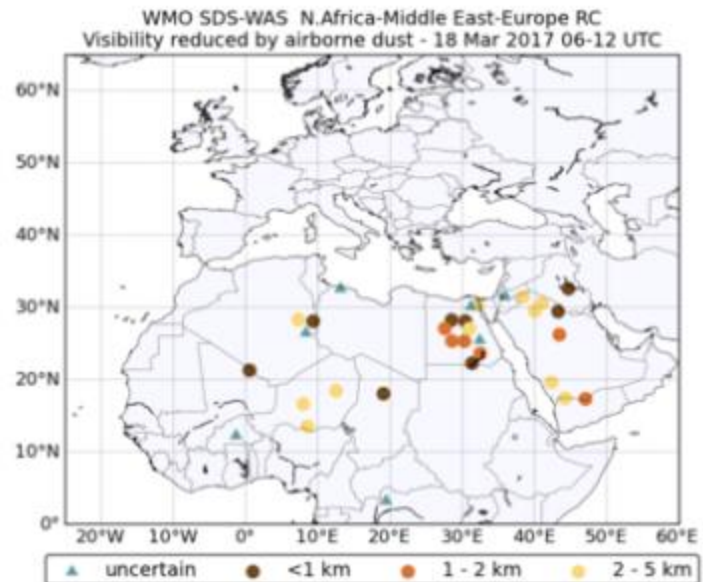
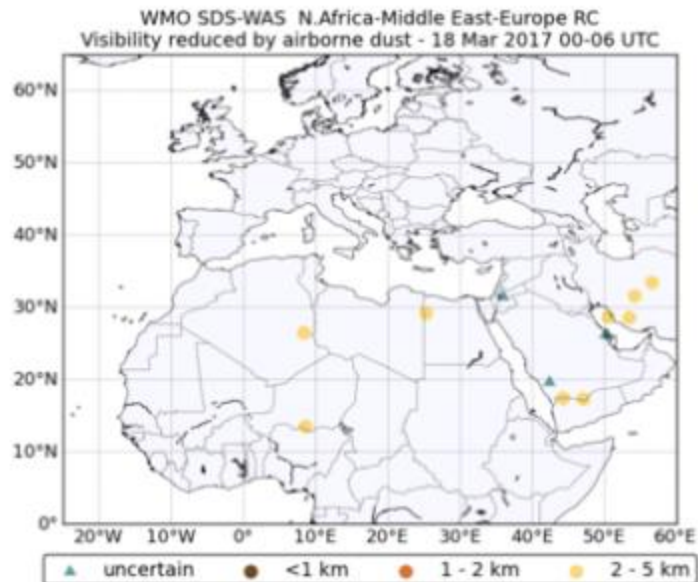
DUST OBSERVATIONS

Visibility

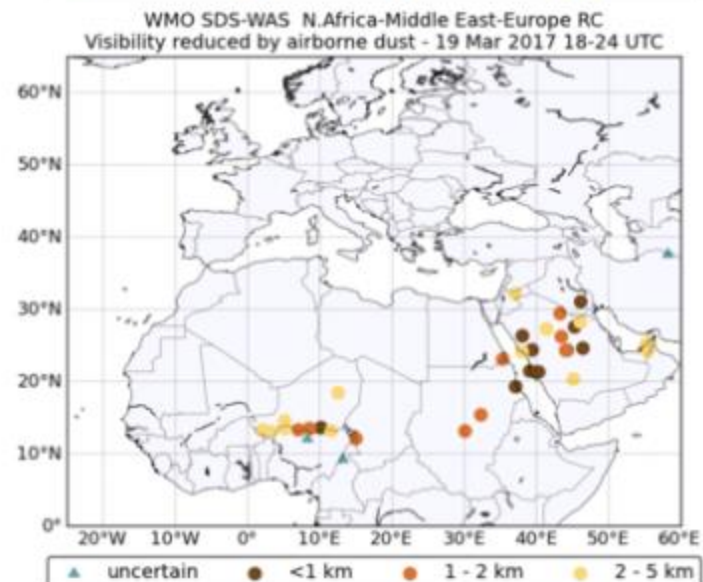
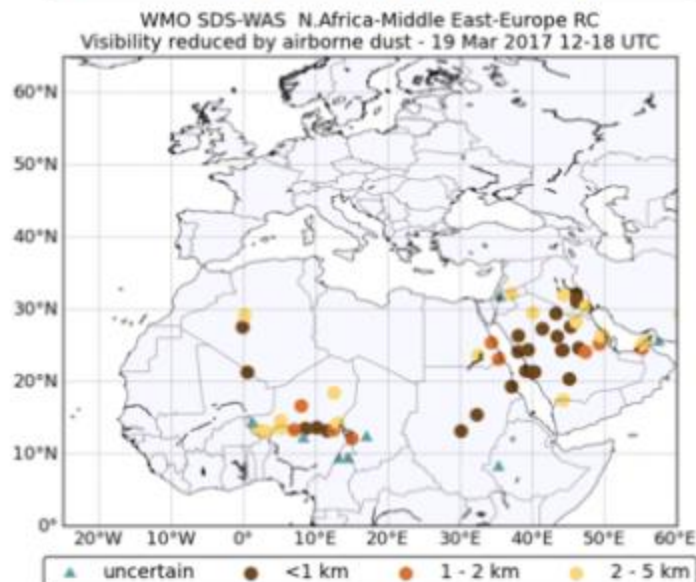
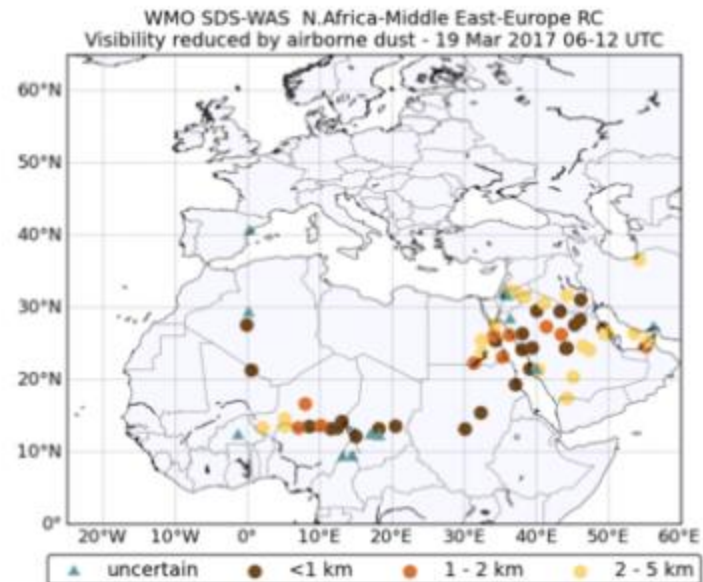
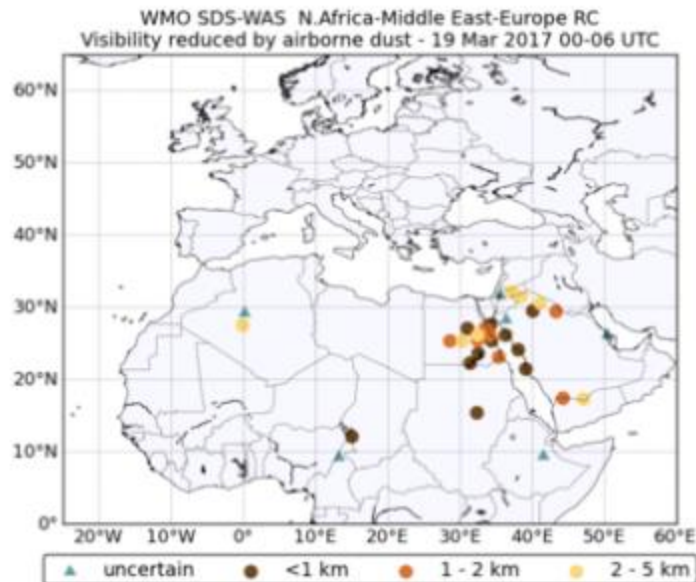
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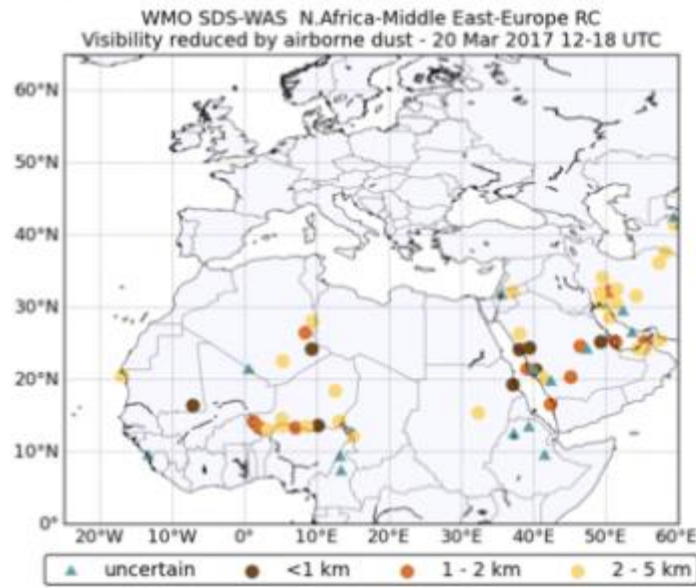
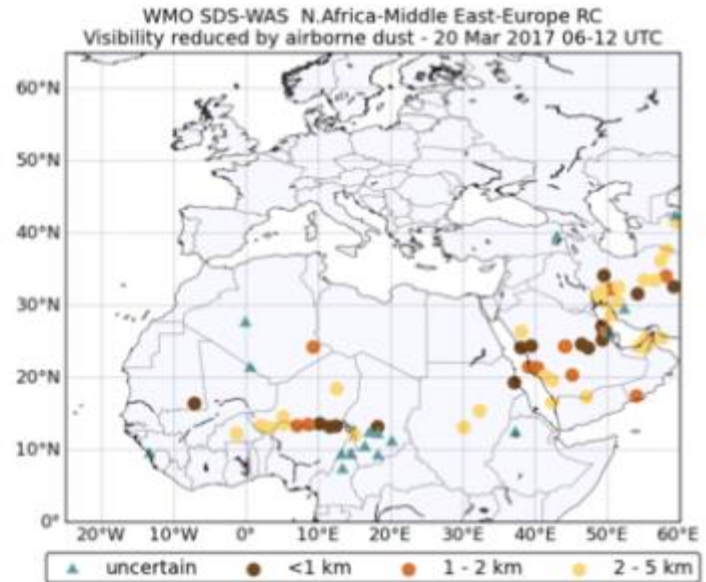
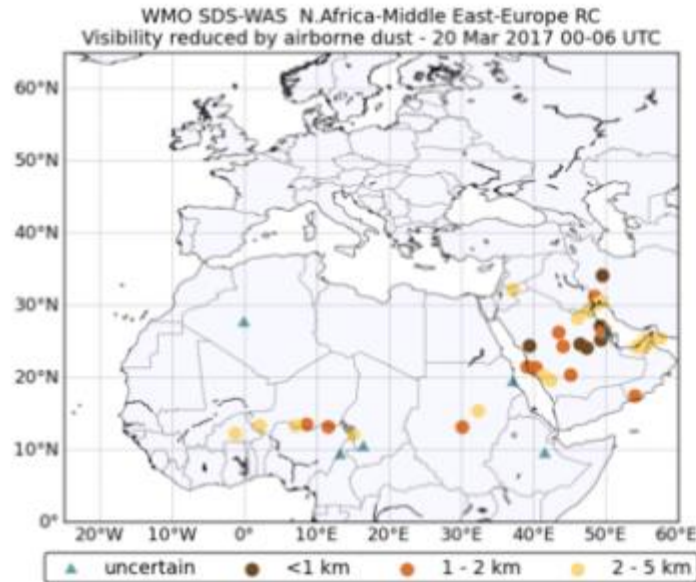
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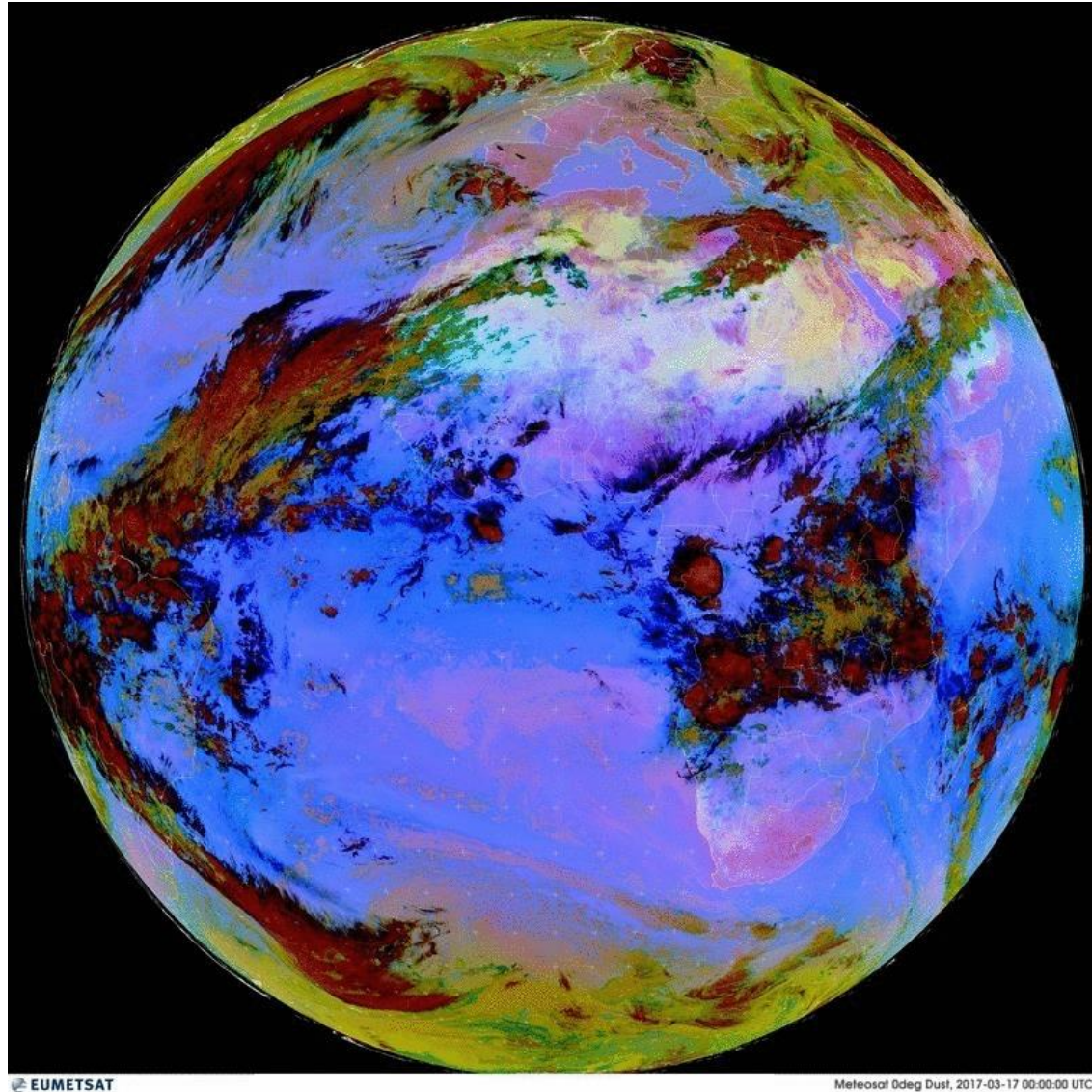
FORECAST & PRODUCTS

DUST OBSERVATIONS

MSG-EUMETSAT

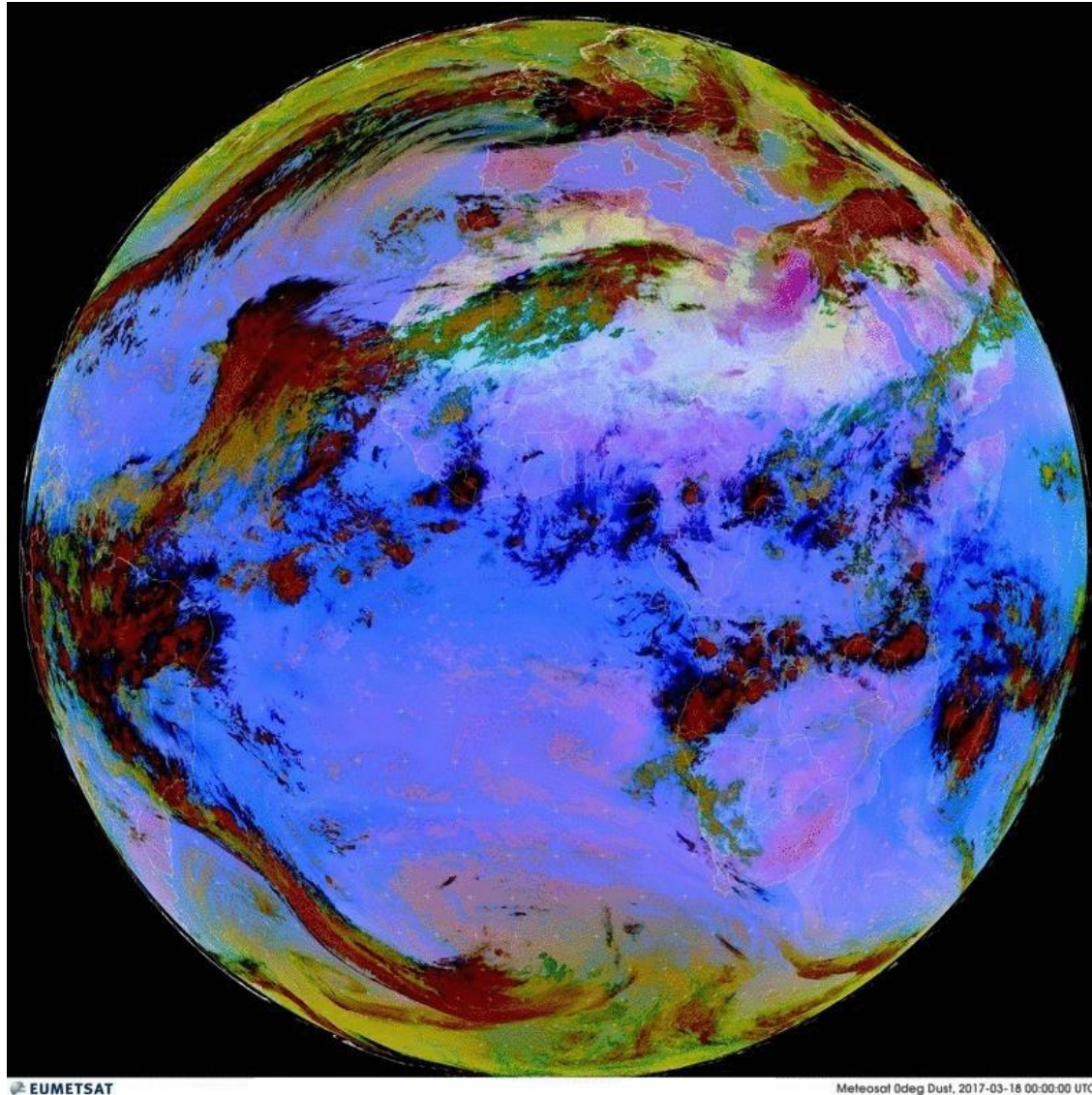
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17 Mar 2017



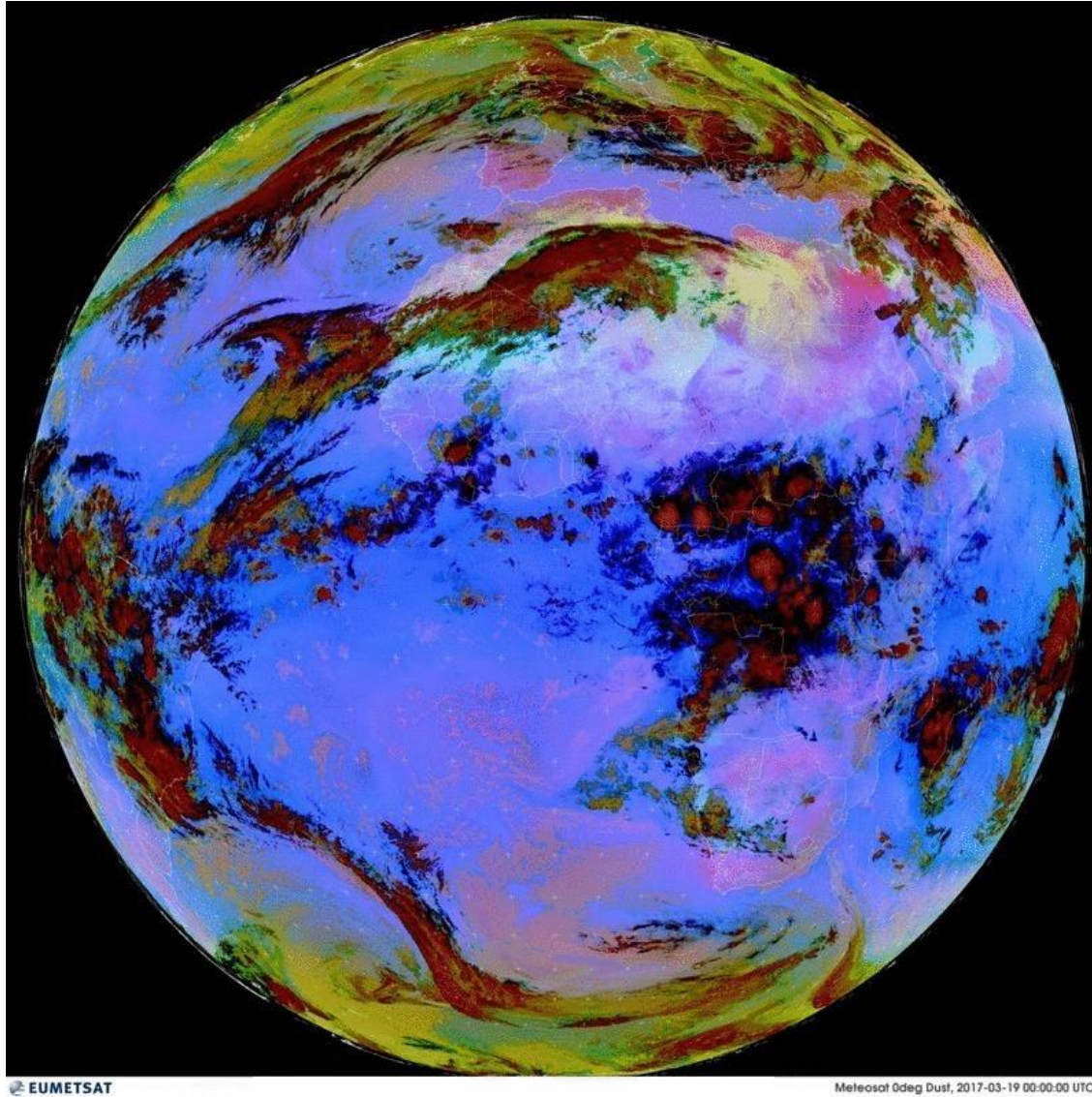
SDS-WAS Regional Center NAMEE

18 Mar 2017



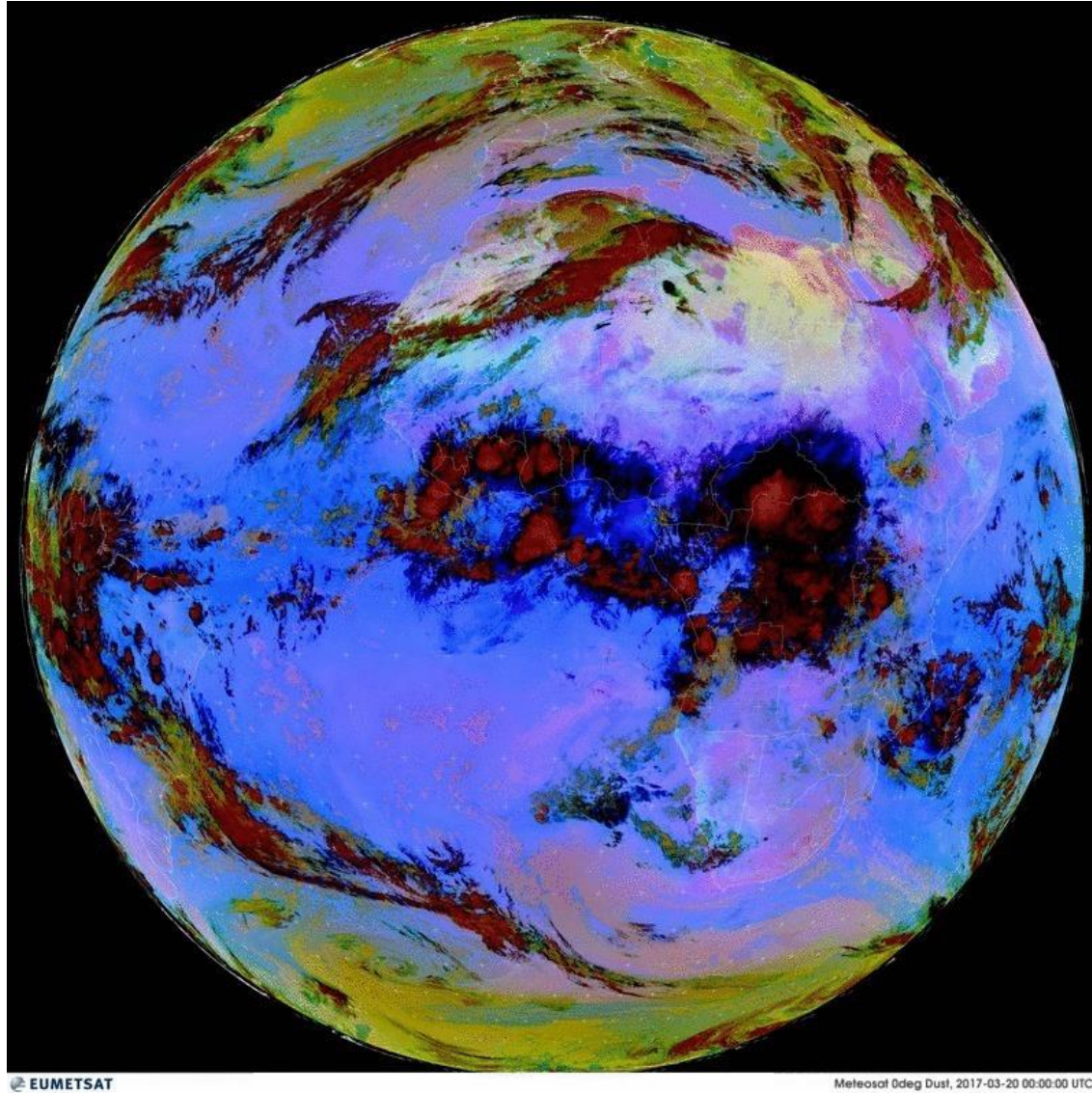
SDS-WAS Regional Center NAMEE

19 Mar 2017



SDS-WAS Regional Center NAMEE

20 Mar 2017



SDS-WAS Regional Center NAMEE

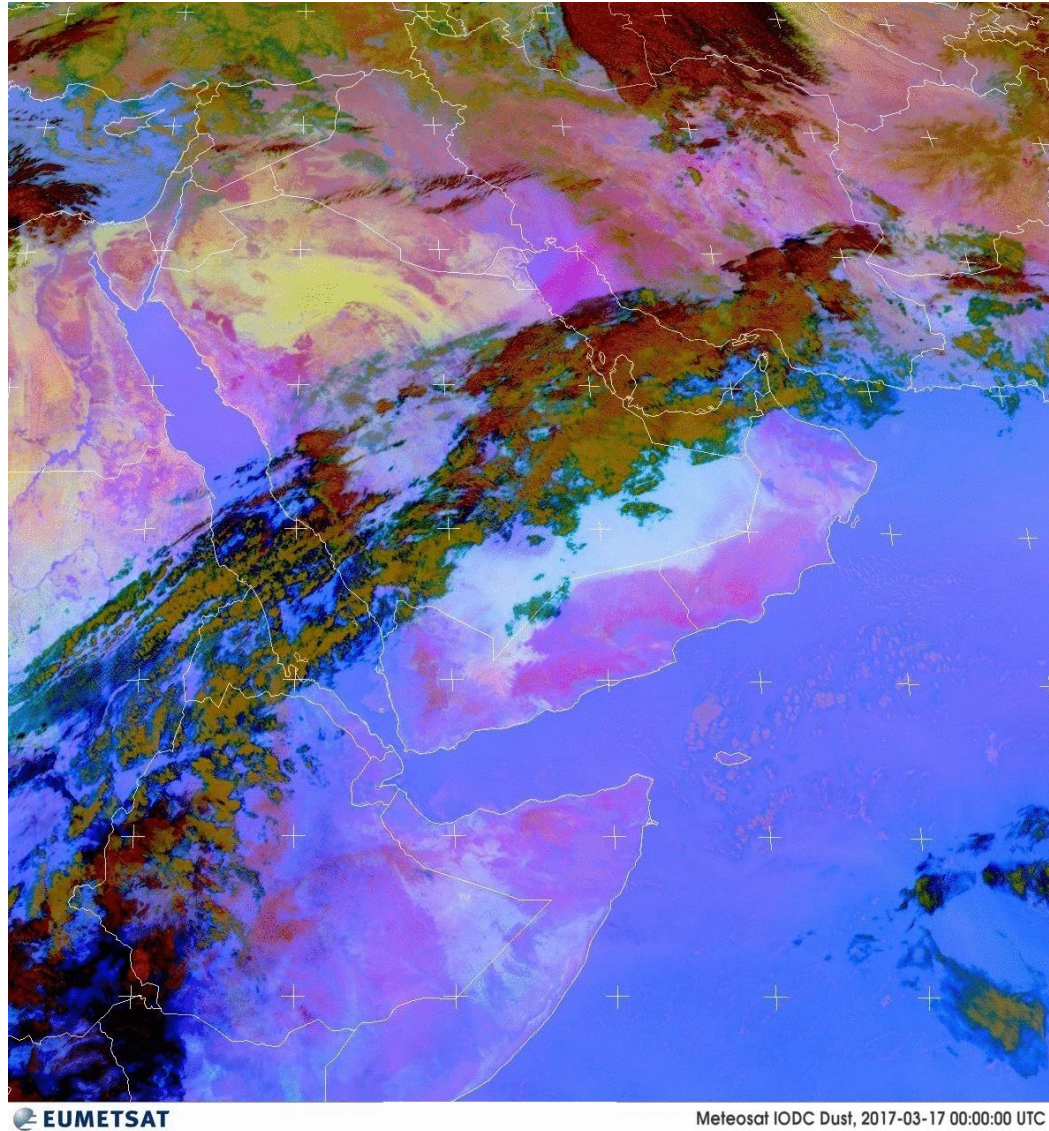
FORECAST & PRODUCTS

DUST OBSERVATIONS

MSG-EUMETSAT Middle East

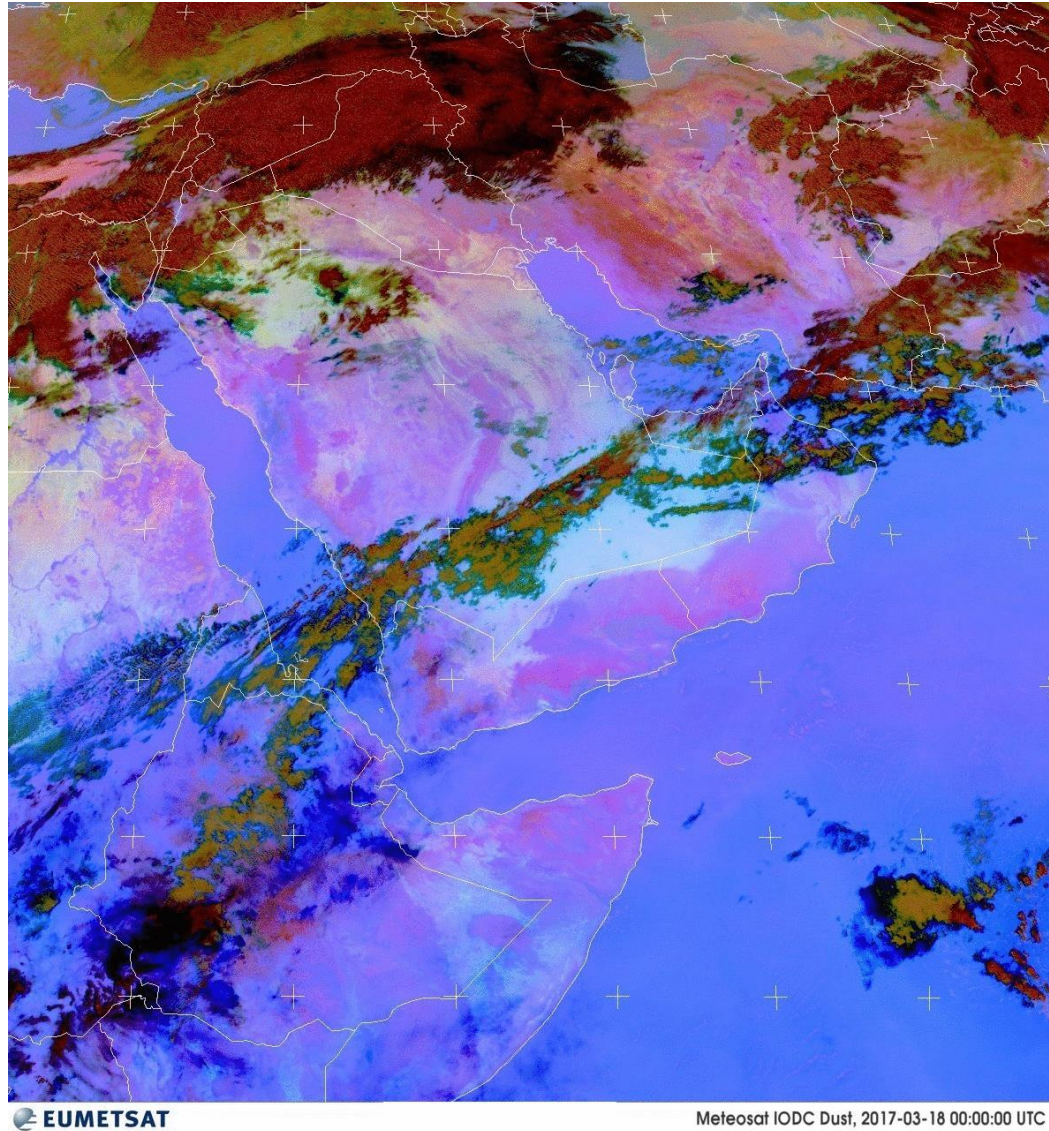
SDS-WAS Regional Center NAMEE

17 Mar 2017



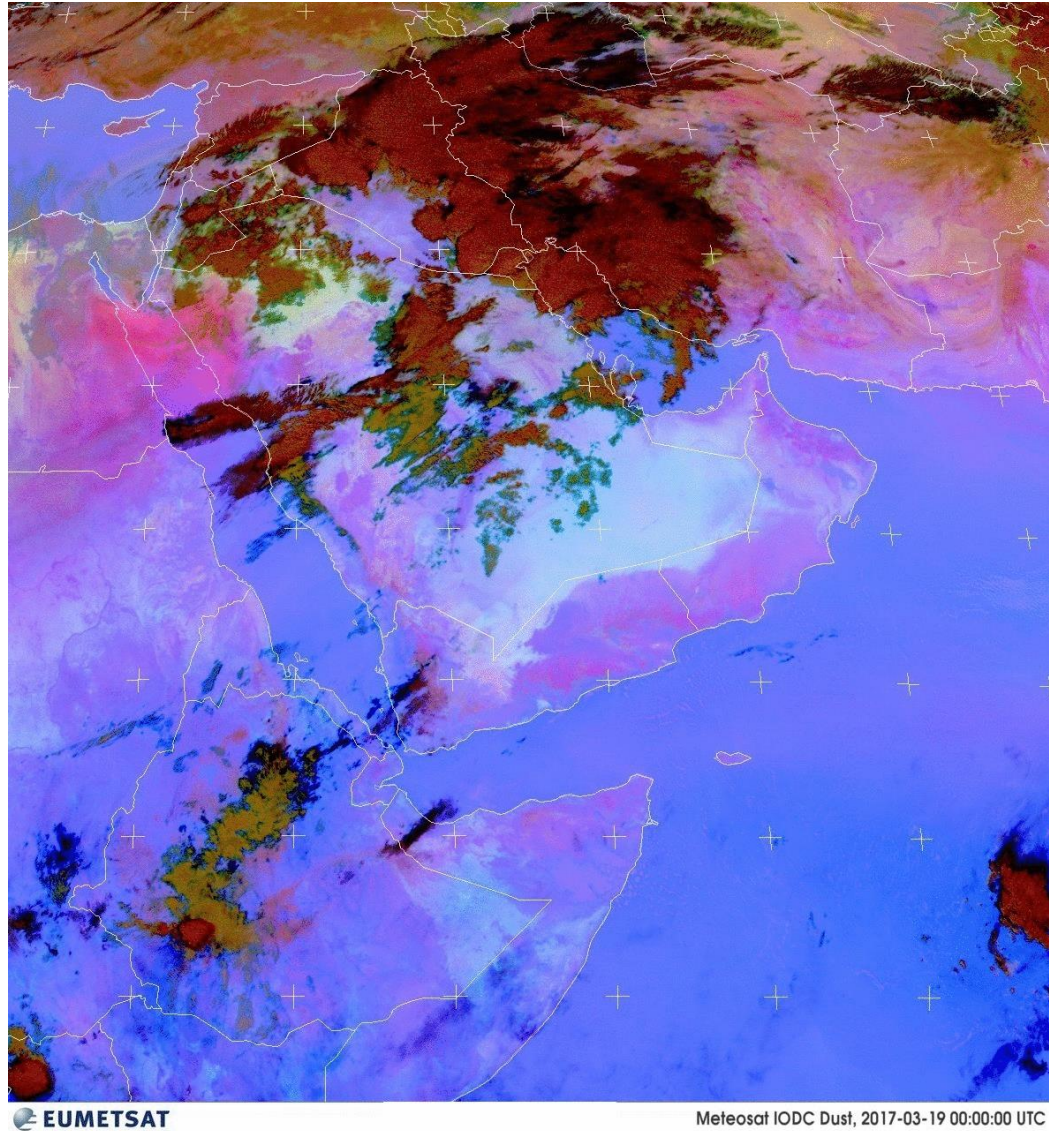
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18 Mar 2017



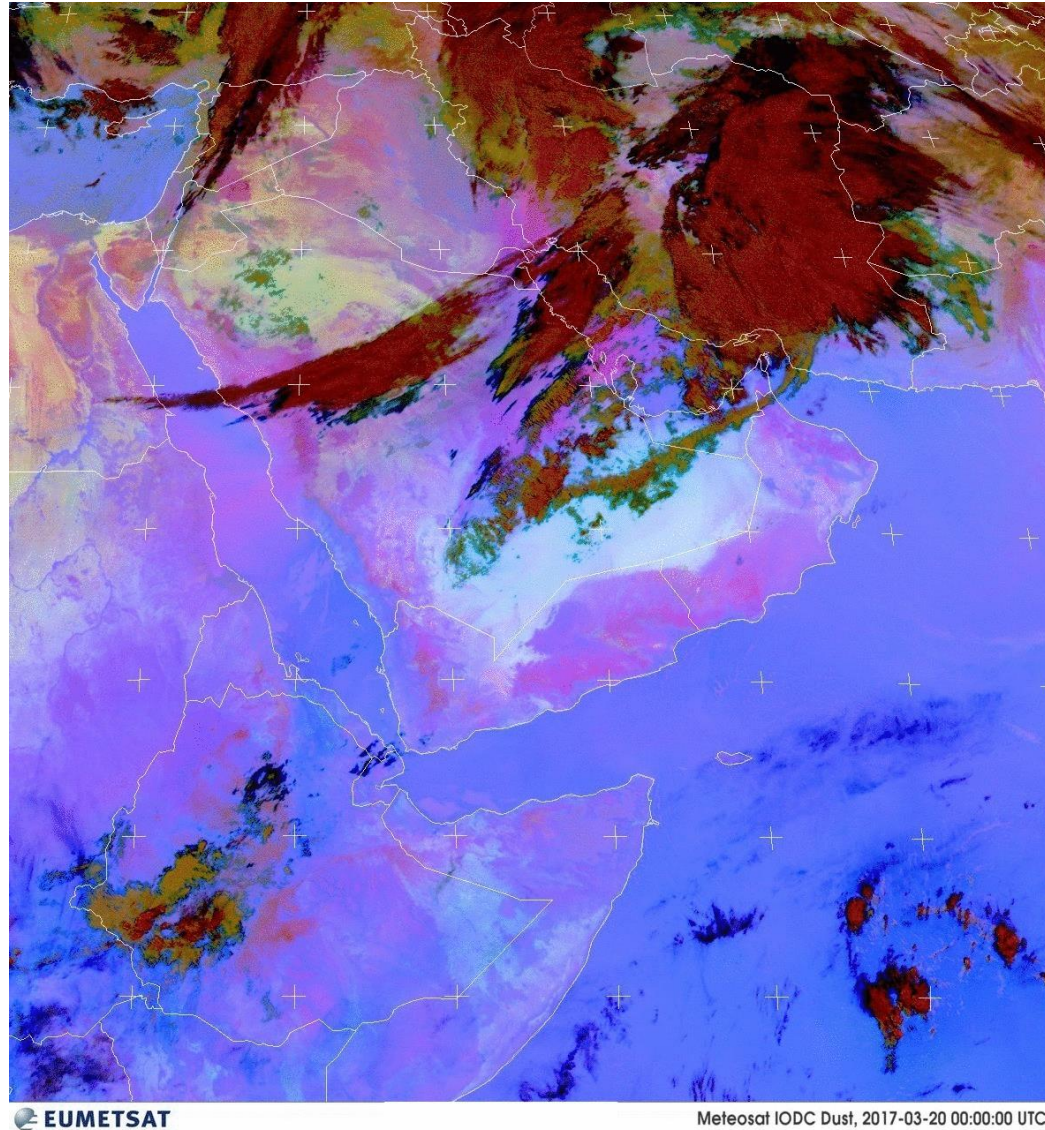
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19 Mar 2017



SDS-WAS Regional Center NAMEE

20 Mar 2017



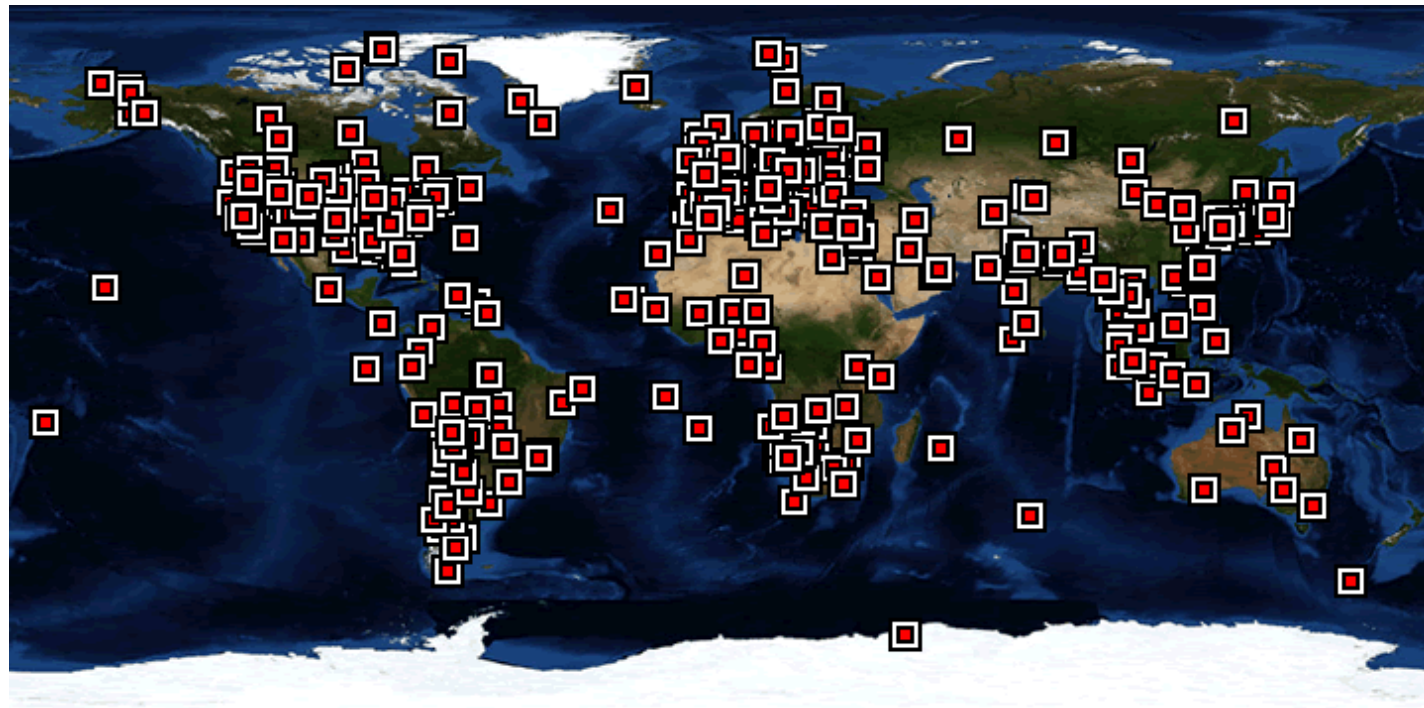
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DUST OBSERVATIONS

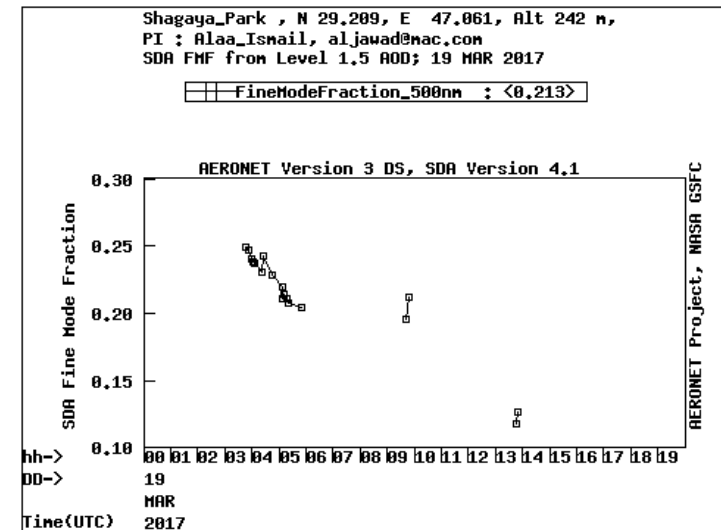
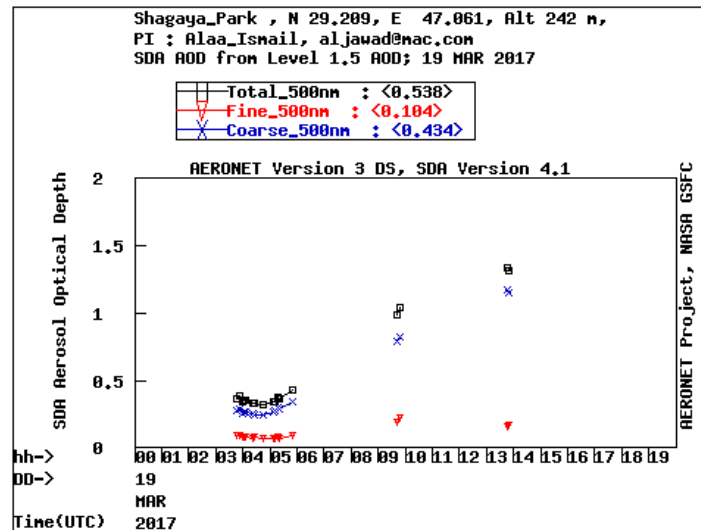
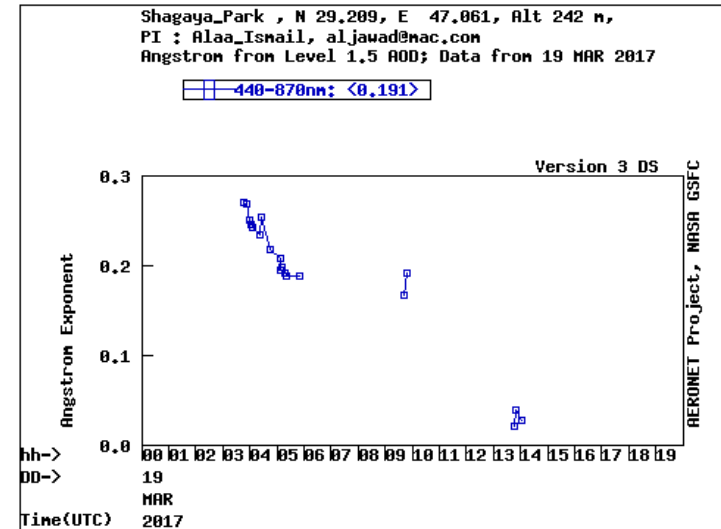
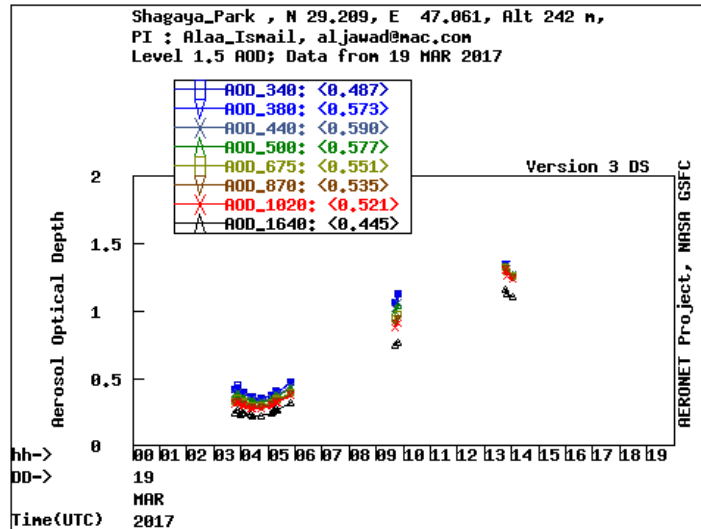
AERONET

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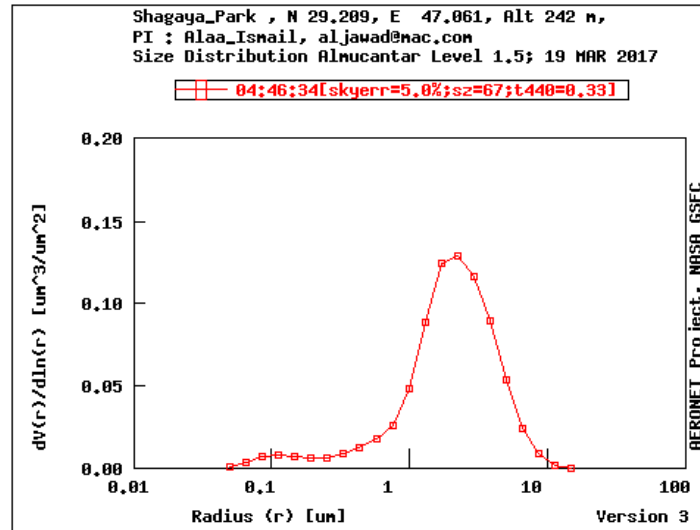


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Shagaya Park
(Kuwait)
19 Mar 2017



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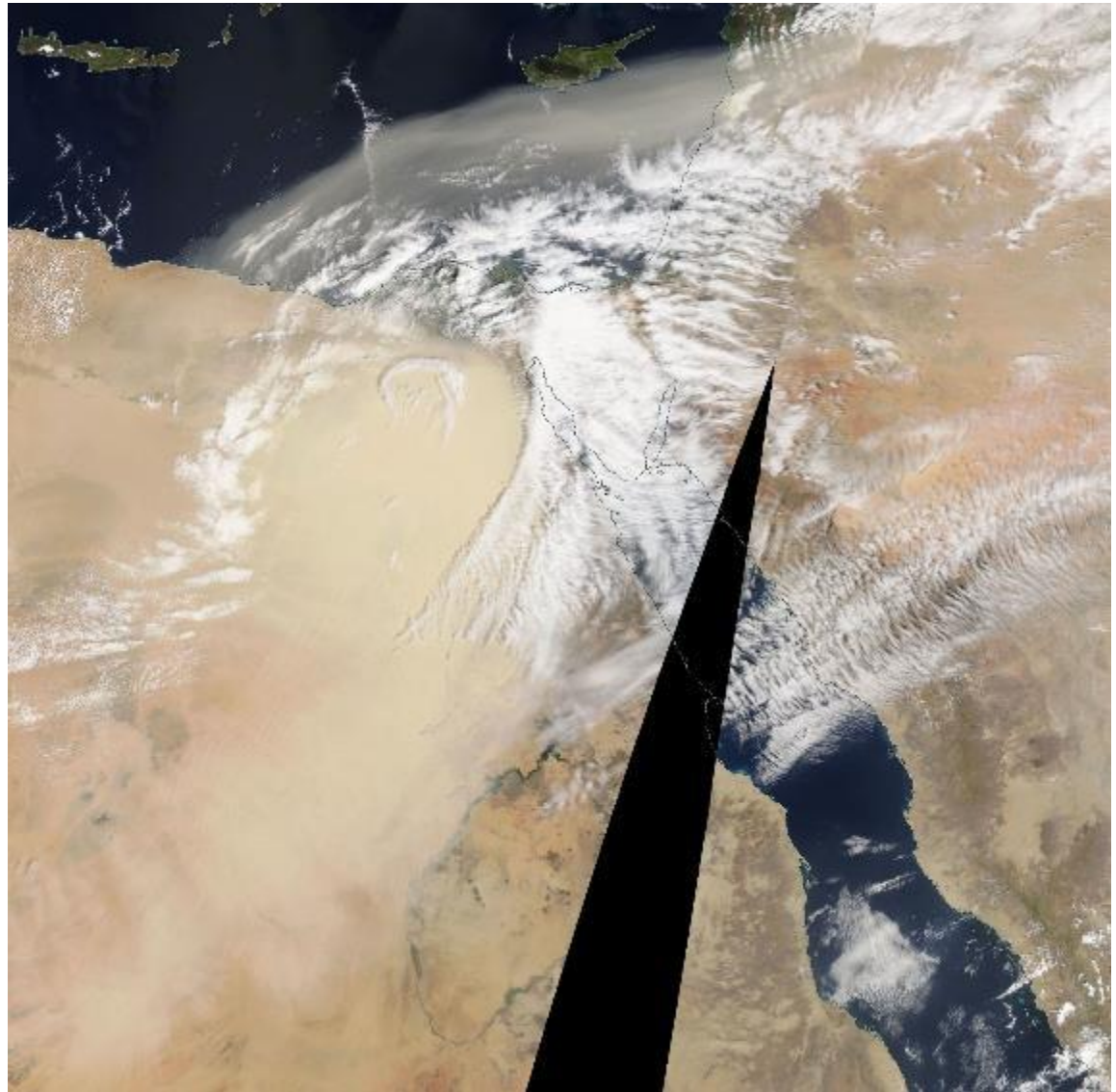
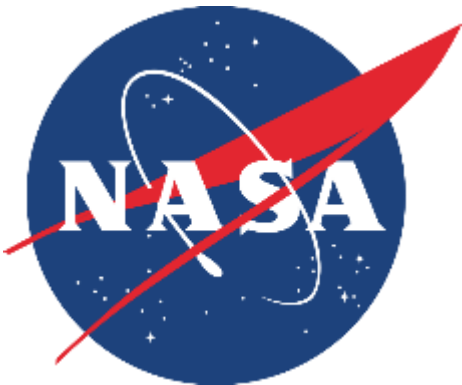
FORECAST & PRODUCTS

DUST OBSERVATIONS

MODIS

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Terra/MODIS
18 Mar 2017



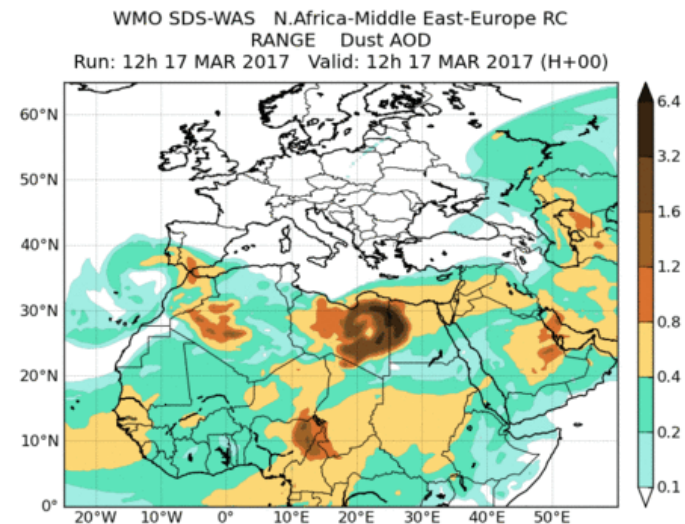
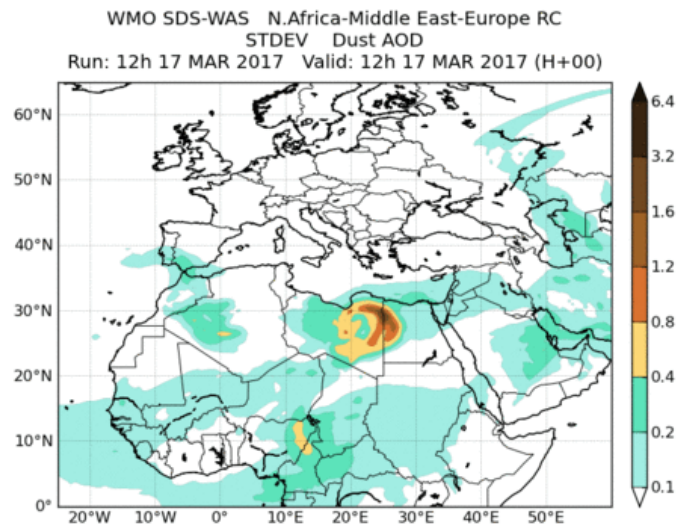
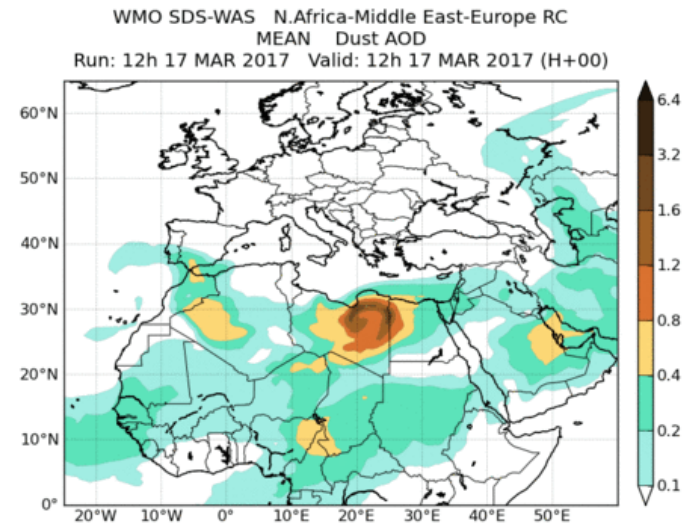
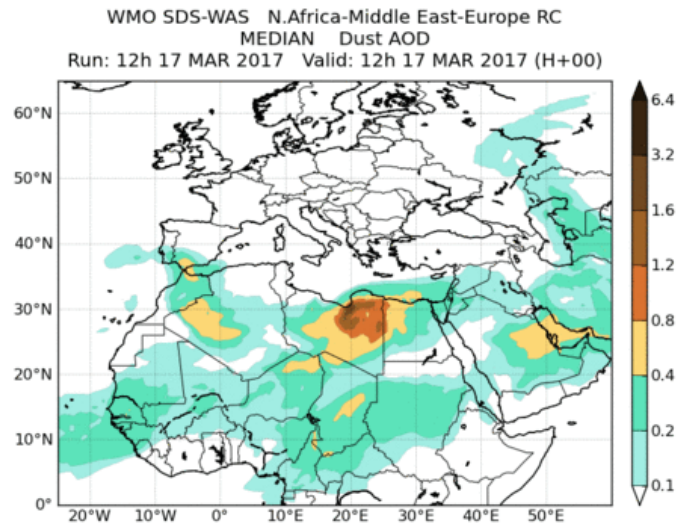
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FORECAST & PRODUCTS

DUST FORECASTS

Ensemble Forecast

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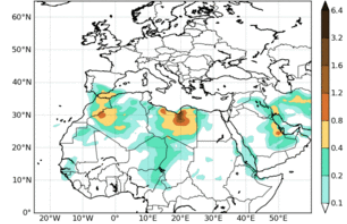
FORECAST & PRODUCTS

DUST FORECASTS

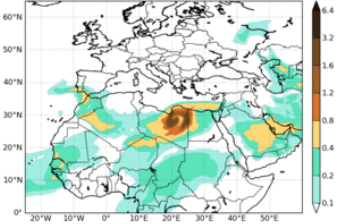
Forecast Comparison

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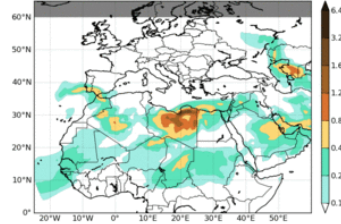
WMO SDS-WAS N.Africa-Middle East-Europe RC
BSC-DREAMb2 Dust AOD
Run: 12h 17 MAR 2017 Valid: 12h 17 MAR 2017 (H+00)



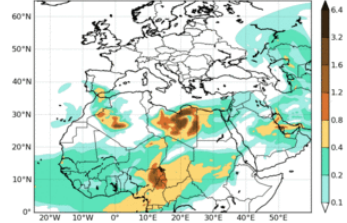
WMO SDS-WAS N.Africa-Middle East-Europe RC
CAMS-ECMWF Dust AOD
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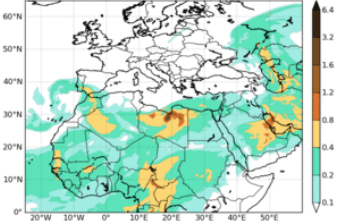
WMO SDS-WAS N.Africa-Middle East-Europe RC
DREAMb2-NMME-MACCC Dust AOD
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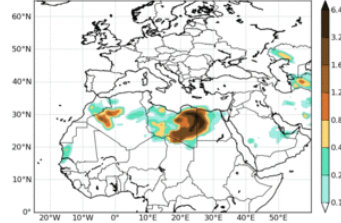
WMO SDS-WAS N.Africa-Middle East-Europe RC
NMMB/BSC-Dust Dust AOD
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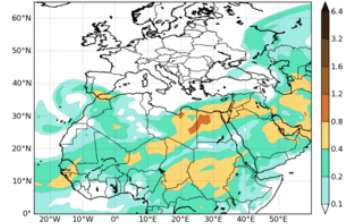
WMO SDS-WAS N.Africa-Middle East-Europe RC
NASA GEOS-5 Dust AOD
Run: 00h 17 MAR 2017 Valid: 12h 17 MAR 2017 (H+12)



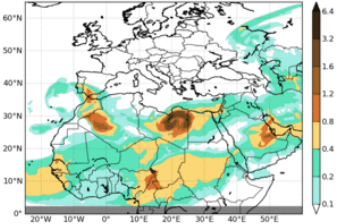
WMO SDS-WAS N.Africa-Middle East-Europe RC
EMA RegCM4 Dust AOD
Run: 00h 17 MAR 2017 Valid: 12h 17 MAR 2017 (H+12)



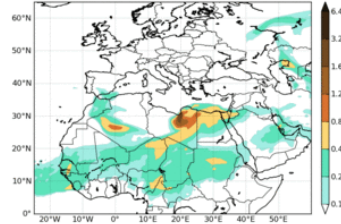
WMO SDS-WAS N.Africa-Middle East-Europe RC
DREAMb2OL Dust AOD
Run: 00h 17 MAR 2017 Valid: 12h 17 MAR 2017 (H+12)



WMO SDS-WAS N.Africa-Middle East-Europe RC
NOA WRF-CHEM Dust AOD
Run: 12h 17 MAR 2017 Valid: 12h 17 MAR 2017 (H+00)



WMO SDS-WAS N.Africa-Middle East-Europe RC
SILAM Dust AOD
Run: 00h 17 MAR 2017 Valid: 12h 17 MAR 2017 (H+12)



WMO SDS-WAS N.Africa-Middle East-Europe RC
MEDIAN Dust AOD
Run: 12h 17 MAR 2017 Valid: 12h 17 MAR 2017 (H+00)

