

ICAP Products and Discussion

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ICAP Website

http://www.nrlmry.navy.mil/aerosol/icap.1066.php

WHERE TO GO

Plan View Maps

ICAP Member Models (native)

ICAP Multi-model (merged stats)

eNAAPS-NAV (meteorology draws)

Regions by Column, Spec by Row

Timeseries at AERONET Sites

Active Participation Currently Required Remain Private?



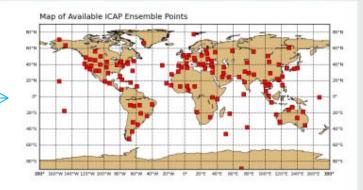
NILL Monterey NAAPS Forecast

This page is an official U.S. Navy sits and is invended as an internal received, and the elopusor to the Products should use to treated as appealment forecasting tools?

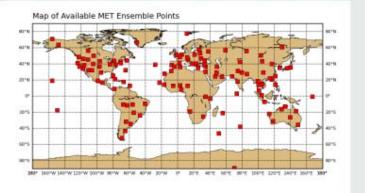
Marine Meteorology Division (Code 7500) 5. S. Navy Navy Recruiting Havy FCSA CHE

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MOLTI-MODEL CASEMBLE ARIE,ELES	suffate that smoke sweat total	cultate dust omoke oneset total	suitate chart scopies secondit total	sulfate stude enough total	sulfate dust stroke seasulf total	suitate stess assissif total	sulfate dust smoke secoult total	sufface dust procke measuft total	sulfate that smoke seasant total	sulfate dust smoke smanatt total

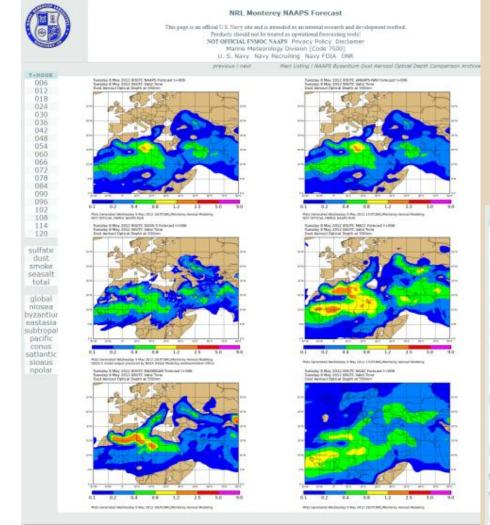


entities	DUCTS AND SPECIALLY ARRESTS - REGIONS (2012-01-04)									
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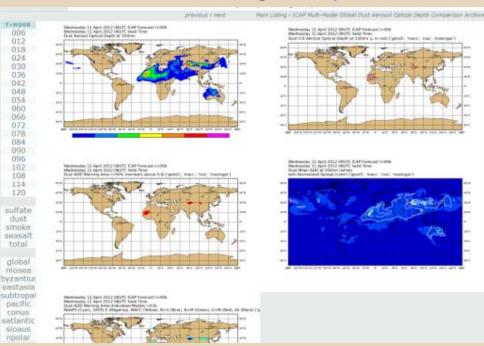
tack to NRs. Montonty Homepap

ICAP Website



Individual Models or ICAP Ens Stats
Hover over left column for forecast evo
Click images to isolate
Archive

What's new? Region/Species/Date



ICAP Website

If a date isn't listed, it's not plotted

Monthly Statistics will be linked from this page starting in June

CHECK MY WORK (but not right now). If something in your model looks incorrect, please let me know ASAP.



NRL Monterey NAAPS Forecast

This page is an official U.S. Navy site and is intended as an internal research and development testbed.

Products should not be treated as operational forecasting tools!

Privacy Policy Disclaimer

Marine Meteorology Division (Code 7500)

U. S. Navy Navy Recruiting Navy FOIA ONR

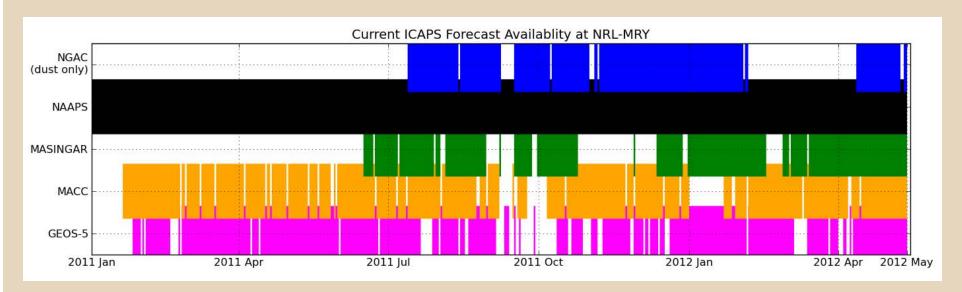
				Main Listi
HAAPS BYZANTIUP	DUST AEROSOL OF	TICAL DEPTH COMPA	RISON	
2012 MAY				
2012.05.10	2012.05.09	2012.05.08	2012.05.07	2012.05.06
2012.05.05	2012.05.04	2012.05.03	2012.05.01	
2012 APRIL				
2012.04.30	2012.04.29	2012.04.28	2012.04.27	2012.04.26
2012.04.25	2012.04.24	2012.04.23	2012.04.22	2012.04.21
2012.04.20	2012.04.19	2012.04.18	2012.04.17	2012.04.16
2012.04.15	2012.04.14	2012.04.13	2012.04.12	2012.04.11
2012.04.10	2012.04.09	2012.04.08	2012.04.07	2012.04.06
2012.04.05	2012.04.04	2012.04.03	2012.04.02	2012.04.01
2012 MARCH				
2012,03,31	2012.03.29	2012.03.28	2012.03.27	2012.03.26
2012.03.25	2012.03.24	2012.03.23	2012.03.22	2012.03.21
2012.03.20	2012.03.19	2012.03.18	2012.03.17	2012.03,16
2012.03.15	2012.03.14	2012,03,13	2012.03.12	2012.03.11
2012.03.10	2012.03.09	2012.03.08	2012.03.07	2012:03:06
2012.03.05	2012.03.04	2012.03.03	2012.03.02	2012-03-01
2012 FEBRUARY				
2012.02.29	2012.02.28	2012.02.25	2012.02.24	2012.02.23
2012.02.22	2012.02.21	2012.02.20	2012.02.19	2012.02.18
2012.02.17	2012.02.16	2012.02.15	2012.02.14	2012.02.13
2012.02.12	2012.02.11	2012.02.10	2012.02.09	2012.02.07

Statistics and Scoring

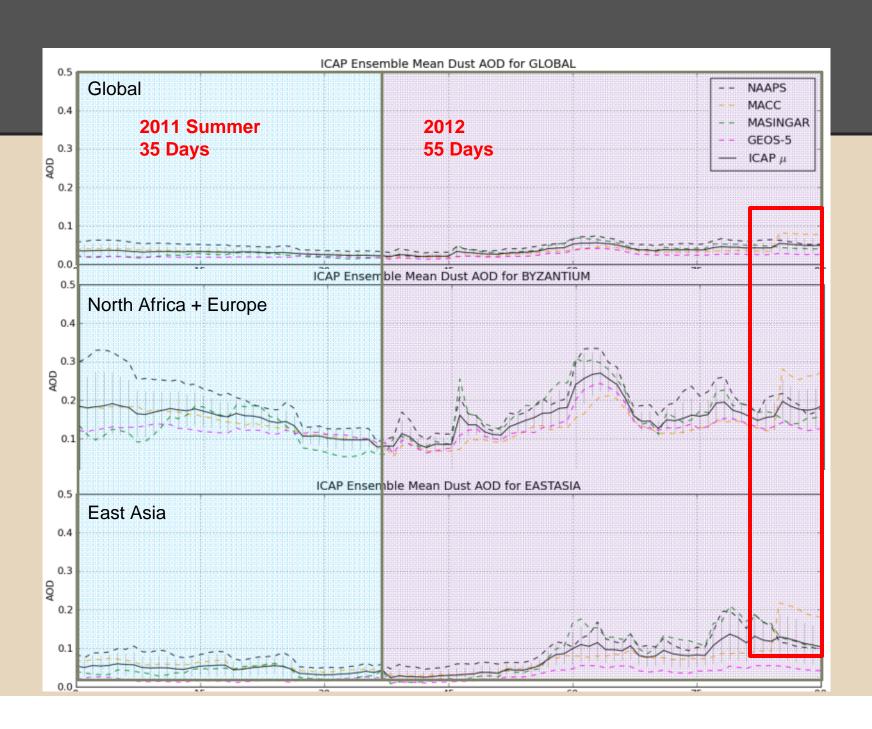
We have only 90 days since January 2011 with four of the five members

Need to fill in data gaps to start teasing out seasonal trends

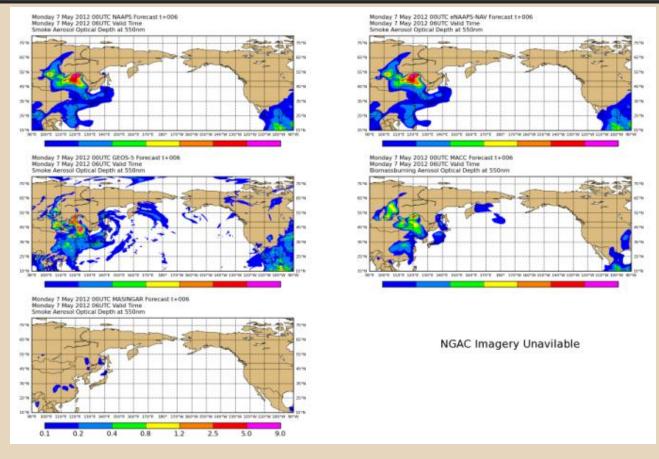
Subsequent statistics largely missing autumn



DISCLAIMER: Going to show some examples of differences between models. Do not take offense; I am not picking on you.

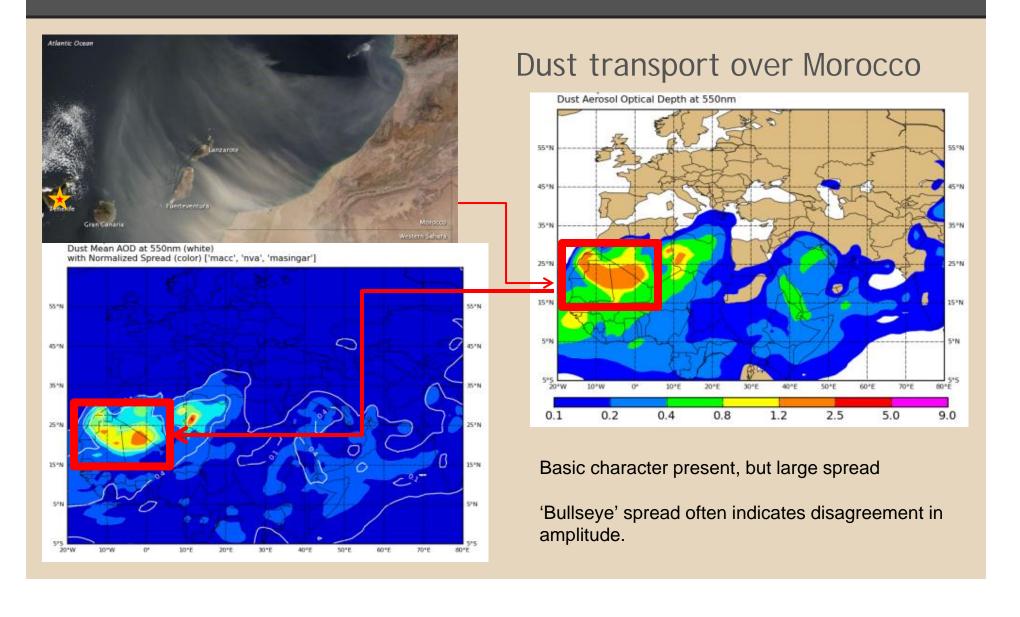


Smoke Emissions

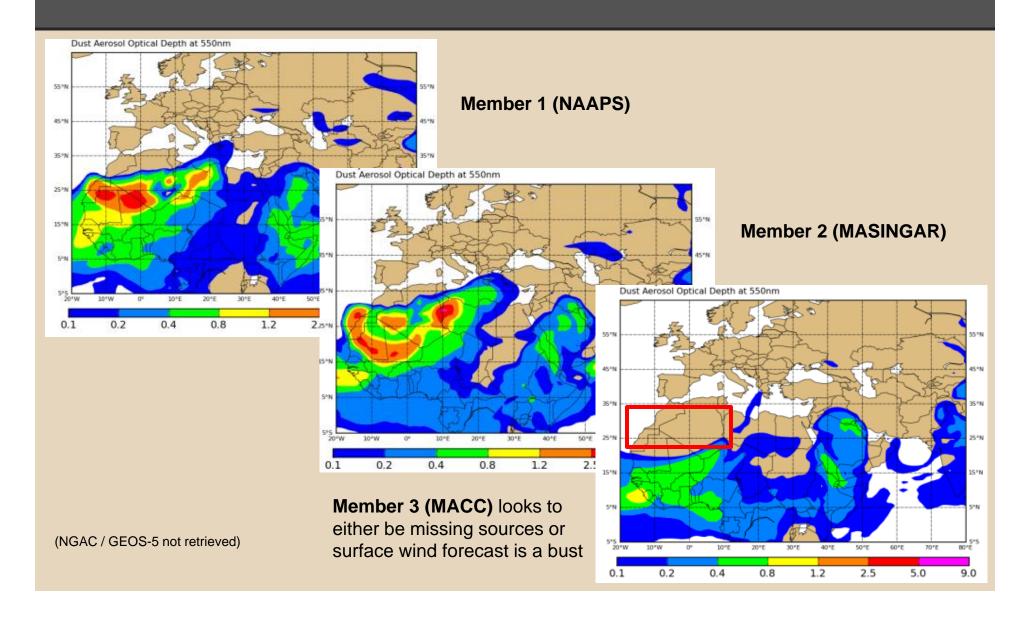


- MACC and NAAPS trending higher than GEOS-5 until September
- Effect of GAAS?
- MASINGAR consistently lower

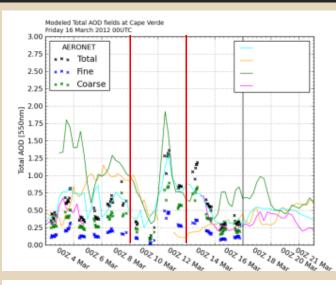
Helping Understand our Models



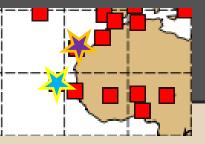
Individual Models



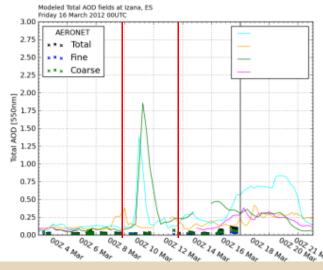
AERONET







Cape Verde
MASINGAR/NAAPS
roughly captured the
event. MACC did not.





Izana, ES
Looking at original
aeronet site, MACC
actually scored
better...

Response: Problem in MACC source function identified. Sources modified

Running in Pseudo-Ops

NAAPS-Deterministic (120h) eNAAPS-NAV (met draws, 120h) eNAAPS-NAV (aerosol draws, 120h) eNAAPS-DART (120 h) NAAPS-DART (120 h) NAAPS-NAV+AVHRR (72 h) Model Evaluation Tools (MET) grid_stat, ensemble_stat

Plotting

- Day of
- T+24
- T+168

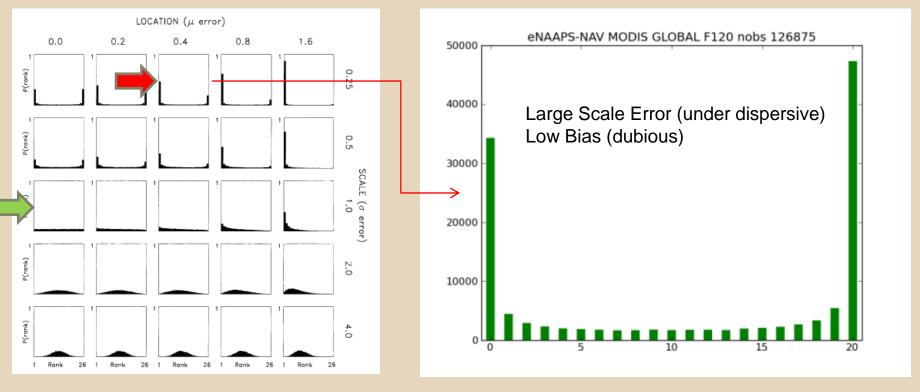
Data FTP

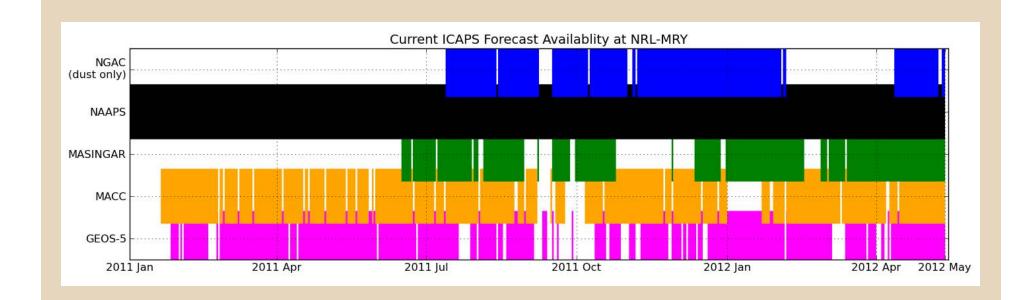
- NAAPS forecast
- Consolidated ICAP Models

In the Pipe (on the web in June)

Model Evaluation Tools (MET)

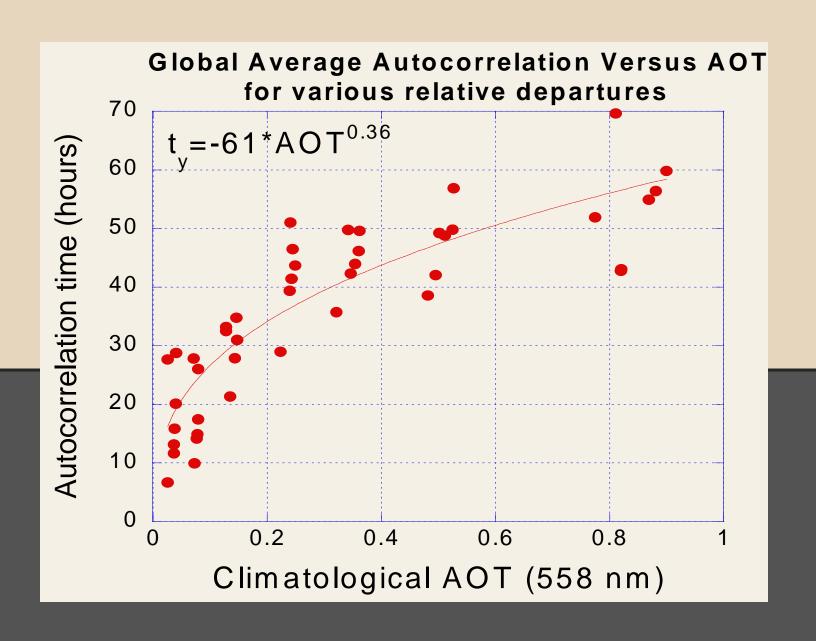
- ensemble_stat
 - o Ensemble Diagnostics / Rank Histograms / BSS

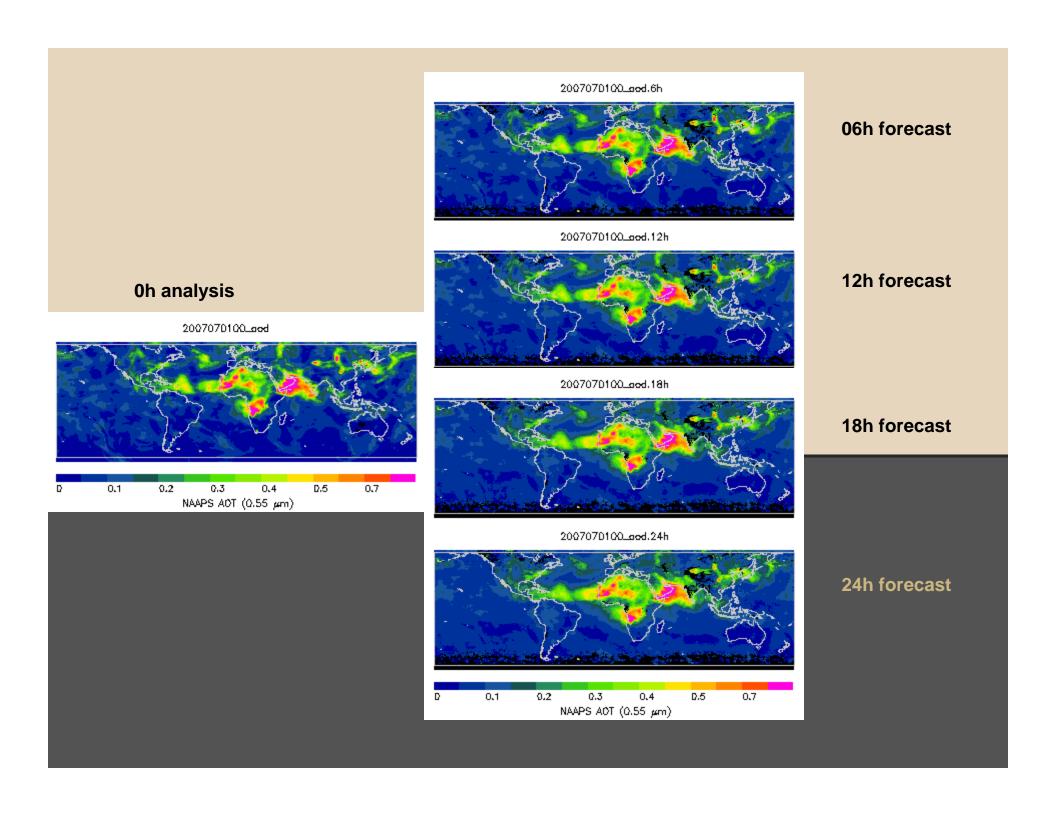




Questions / Comments

CLIPER Forecasting Examples







Baseline satellite climatology almost finished. Still some hotspots and fusion issues to work out.

