

Towards combining the capabilities of Felyx and SQUAM-like tools for assessing climate readiness

Tool Demo:

Part 1: J.-F. Piolle

Part 2: P. Dash – the S3 SST Monitor (prototype using Metop-B IASI SSTs)

(a brief overview: poster 6)

The planned S3 Monitor

- Unnamed (me/Anne discussing). METIS, GRASSS ...
- Philosophy/M.O. similar to SQUAM
- But..., with some important differences:
 - Global + Regional
 - Focused on a limited number of SSTs
 - Slightly more flexible/interactive, less disk-space consuming
 - Working on a "Portable" version to be integrated with Felyx output.
- Nothing is set on stone (just a prototype); feel free to disagree and criticize
- From the perspective of CDR TAG, the functionalities may be over/under developed

DEMO

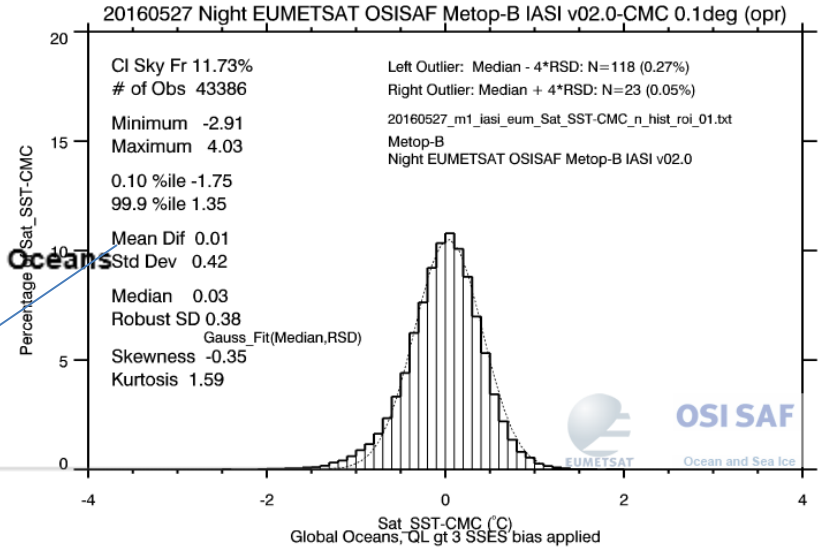
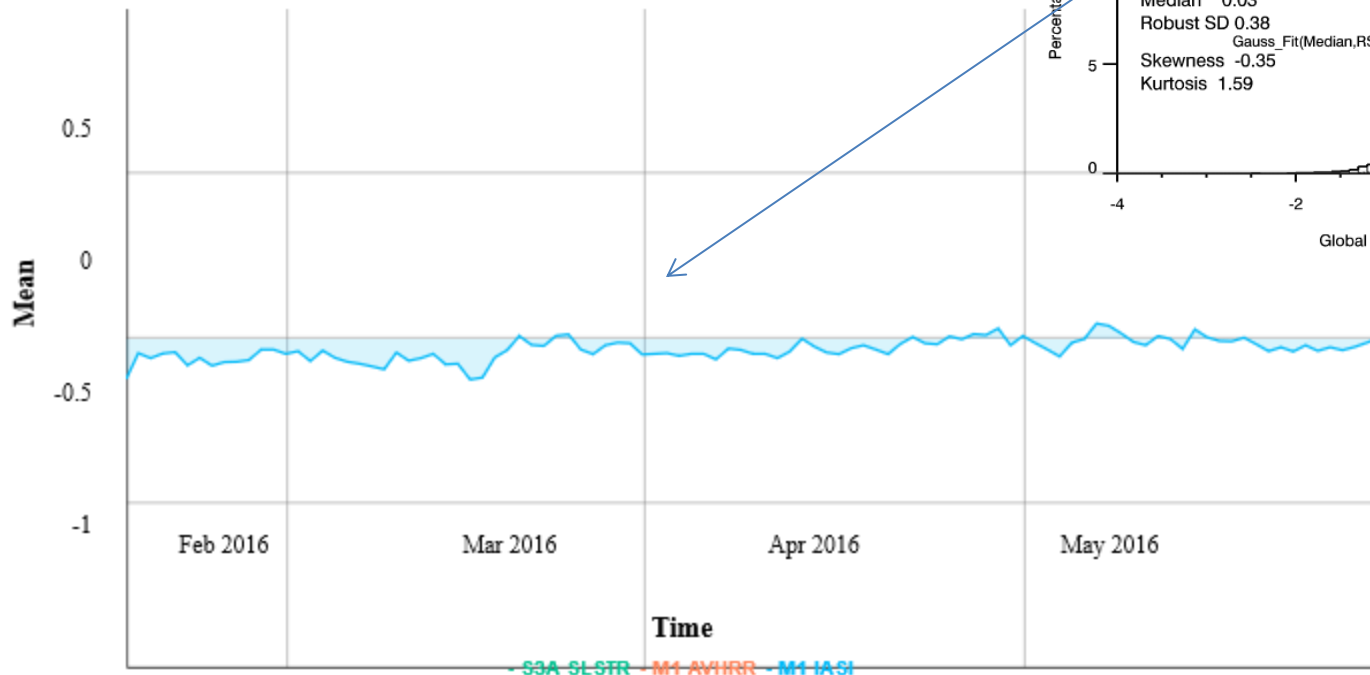
Question (1): Which 'in situ' (multiple possibilities)

- Coriolis
- iQUAM2 (easy to use from my 6yr experience; perhaps others too are but I've not tested)
- GTMBA
- Ship-borne radiometers
- ABoM/IMOS
- 'unknown so far...' etc...

CDR TAG may collect feedback, and help reach a consensus

Question (2): Which diagnostics (over/under)

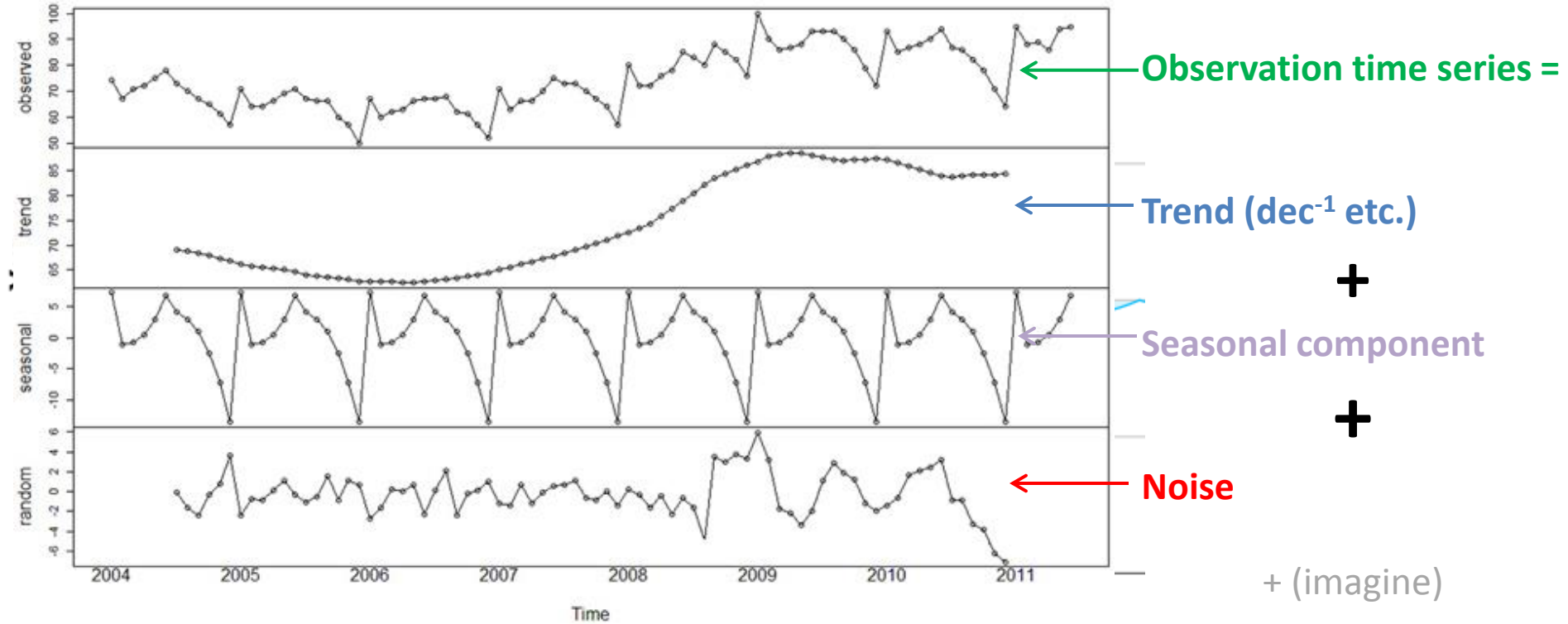
Mean, Satellite SST - CMC, Night, outliers retained, Global Oceans



Question (2): Which diagnostics

The Decomposition Challenge!

Decomposition of Time Series Components



Source: <http://dx.doi.org/10.3389/fpsyg.2015.00727>

Thanks ...