

International Issues and Future Systems

Actions from ITSC-24 & Introduction

Co-chairs: Niels Bormann (ECMWF) and Heikki Pohjola (WMO)

Peng Zhang (CMA) stepped down as IIFS co-chair after ITSC-24. Many thanks for co-chairing the group for many years!

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Actions from ITSC-24

Action IIFS24-A1 on Peng Zhang (CMA): To circulate the report of the WMO-CGMS Tiger team that informed CMA's decision about moving FY-3E to the early-morning orbit to the IIFS group.

- **Done on 20 March 2023.**

Action IIFS24-A2 on Niels Bormann (ECMWF): To compile which elements of the ICVS-monitoring are considered most relevant to users, consulting the wider ITWG for input.

- **Done. Document made available via the NWP WG website:**

<https://itwg.ssec.wisc.edu/nwp/guidance-on-the-provision-of-instrument-performance-diagnostics/>

Guidance on the provision of instrument performance monitoring from space agencies to users

Background: Long-standing recommendation from ITWG to space agencies to provide publicly available websites displaying the evolution of key instrument and satellite parameters.

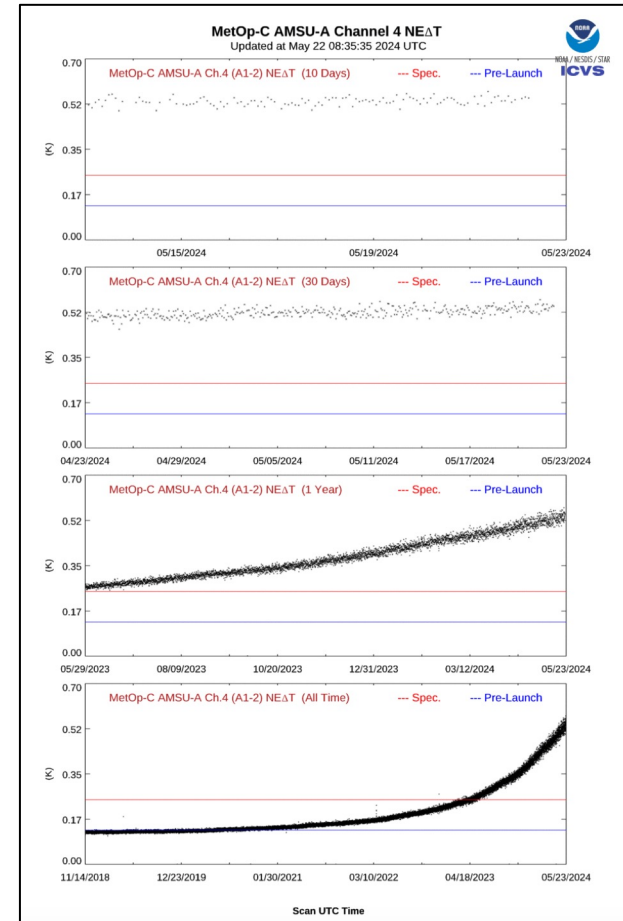
Guidance on the provision of instrument performance monitoring from space agencies to users

Operational NWP centres and many other users rely on stable observation characteristics to enable exploitation of a wide variety of satellite observations. To aid with monitoring the stability of these observations, ITWG has long recommended that space agencies provide dedicated and publicly available websites that display the up-to-date evolution of key instrument and satellite parameters for all of their relevant instruments. The current document is intended to clarify which aspects are considered most useful from a user's perspective, and to provide guidance on which key parameters should be displayed.

1) Background and scope

At NWP centres, the stability of the observation characteristics is typically monitored through time-series of statistics of the differences between observations and model equivalents calculated from a short-range forecast ("background departures). When anomalies are detected in these background departure statistics, appropriate action

Example plot from NOAA's ICVS website:



Guidance on such websites now available from the NWP WG website:

<https://itwg.ssec.wisc.edu/nwp/guidance-on-the-provision-of-instrument-performance-diagnostics/>

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Co-chairs: Heikki Pohjola and Niels Bormann
Saturday, 9:00 – 12:00

Topics for the WG meeting:

1. Evolution of the global observing system
 - Progress towards implementation of the WIGOS Vision 2040 beyond the current CGMS baseline
 - Update of the WIGOS Vision: WIGOS Vision 2050
 - Commercial sounding data and implications
2. Calibration aspects and GSICS activities
3. Report from the RFI sub-group meeting and any follow-ons
4. HLPP-related topics and CGMS future directions
5. AOB