

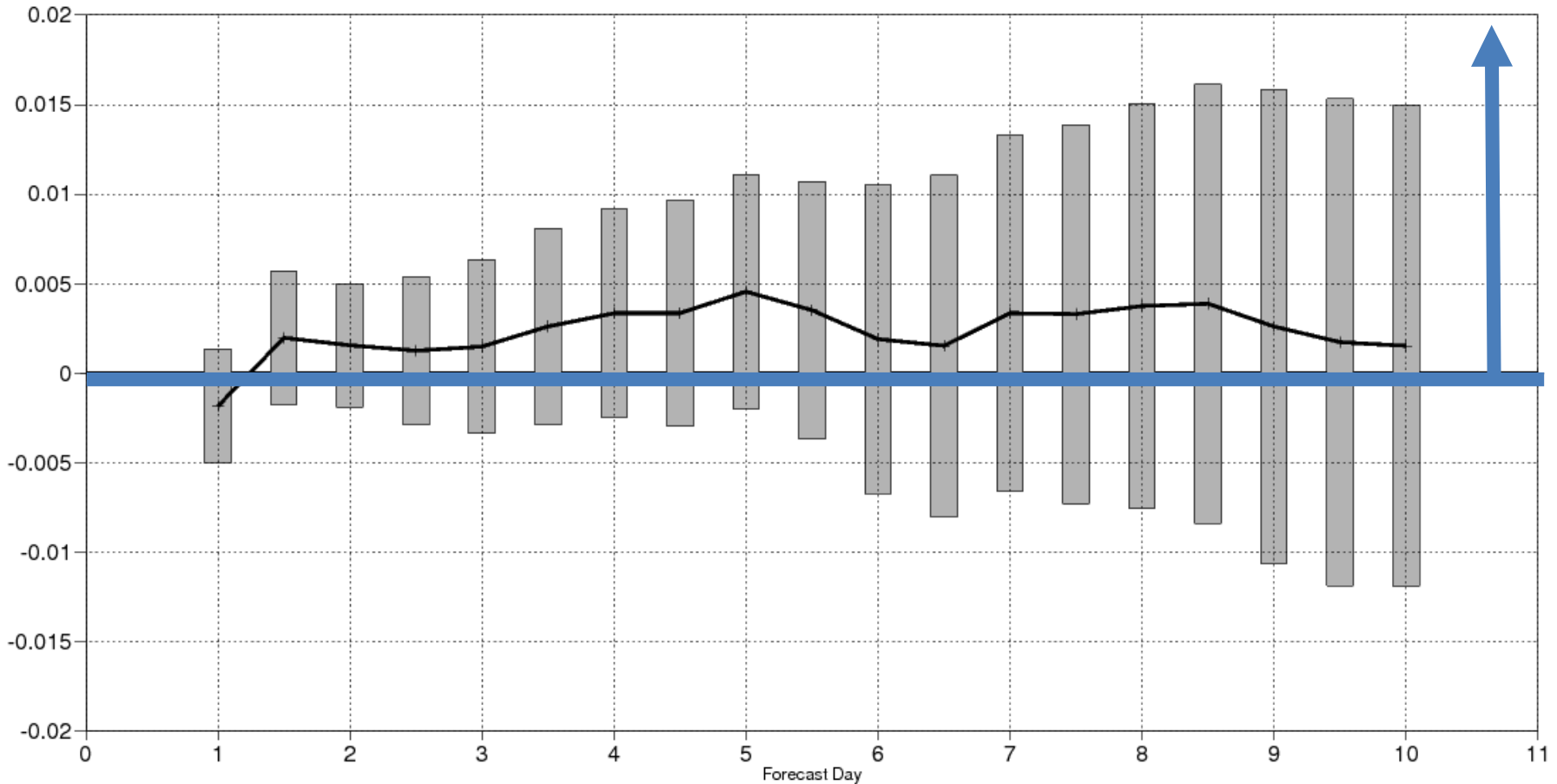
ECMWF workshop on
Efficient Representation of Hyper-
spectral Infrared Satellite
Observations

5-7 November 2013

Impact 2 x IASI versus 1 x IASI

NHem Extratropics (lat 20.0 to 90.0, lon -180.0 to 180.0)
Date: 20120215 00UTC to 20130828 00UTC
00UTC T+0 T+12 ... T+240 | Confidence: [95.0] | Population: 195

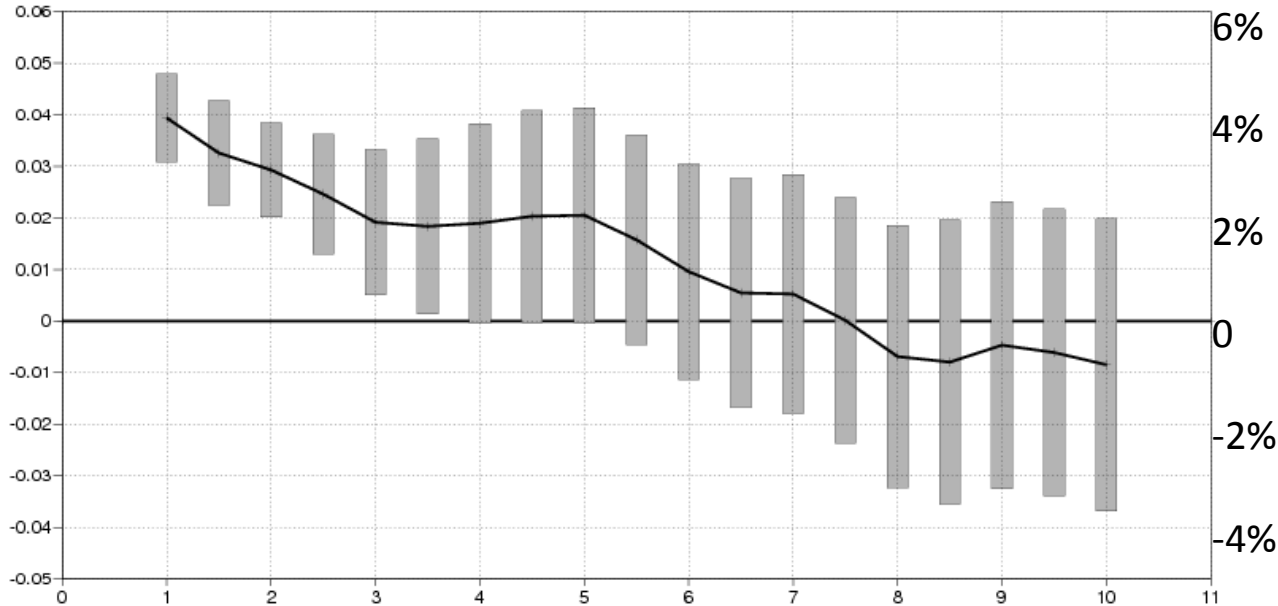
METOP A + B IASI better



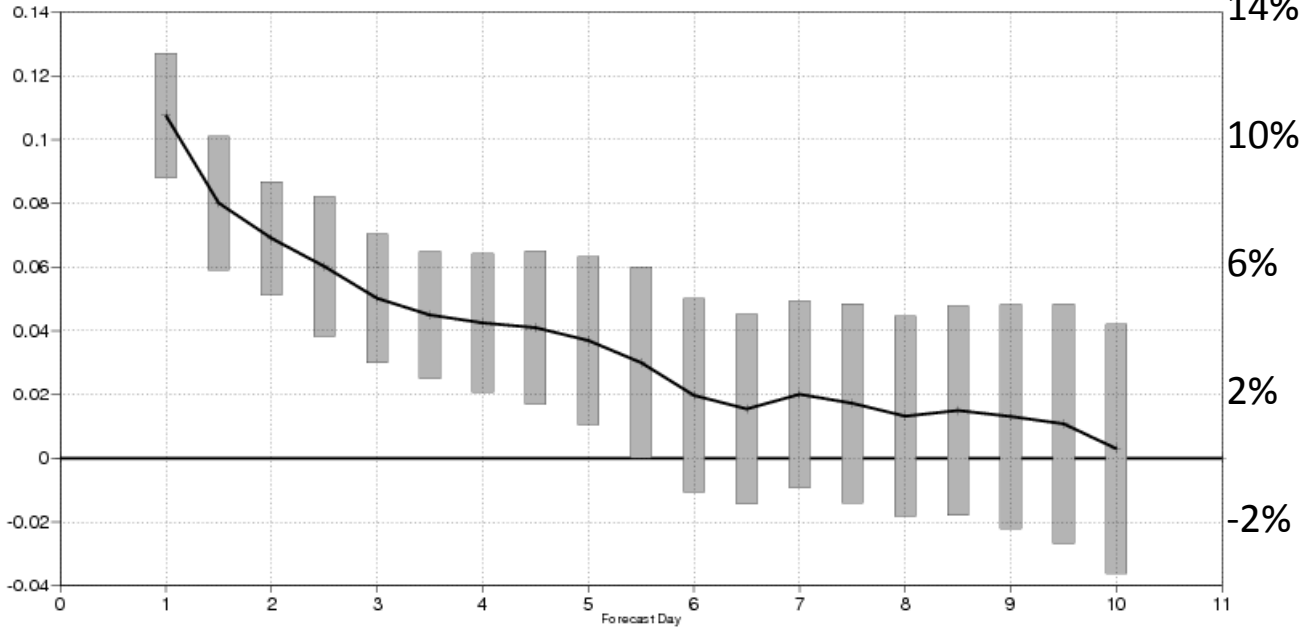
Metop NH 500 hPa Anomaly Correlation forecast improvement

1 Feb 2013 – 24 June 2013

2 Metop vs 1 Metop
 Metop-A and Metop-B compared to Metop-A only.



2 Metop vs 0 Metop
 Metop-A and Metop-B compared to using no Metop data.



Metop instruments used
 IASI, AMSU-A, MHS, HIRS
 (Metop-A only), ASCAT,
 GRAS

Forecast error reduction from different observation types

■ May-12 ■ May-13

