Subseasonal Scale Variability of Asian Summer Monsoon Anticyclone from Satellite Data

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Focus of this work:

➢ **UTLS chemical tracer variability of satellite data in response to the subseasonal scale dynamics of the ASM anticyclone**

➢ **The limitations of MLS (limb) vs. OMI (nadir) and IASI (nadir) in describing the subseasonal scale variability during ASM season**

➢ **Dynamical variability is diagnosed by GFS data**

Hovmoller Diagrams for the Anomaly
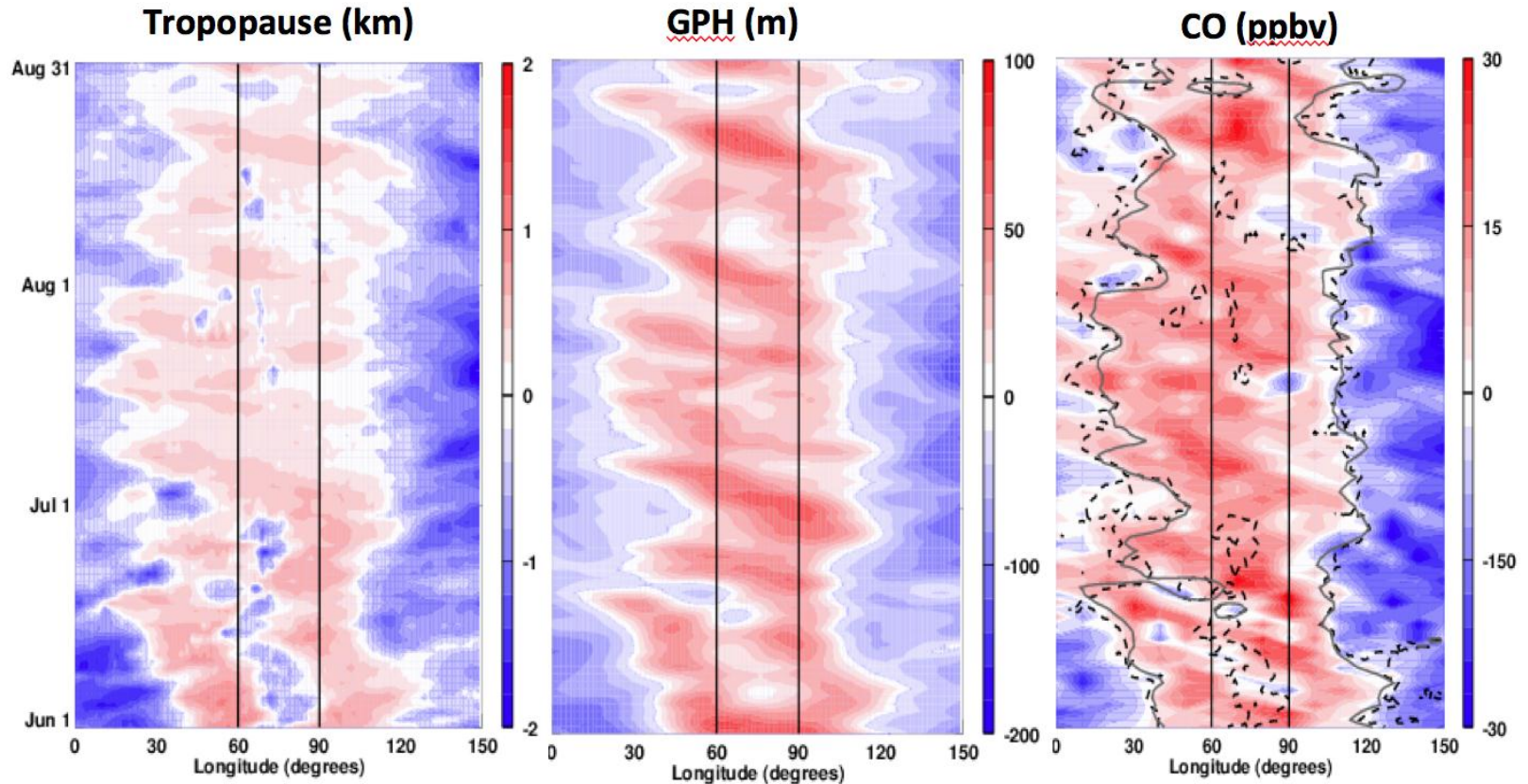
Three indexes of ASMA: tropopause height anomaly, GPH anomaly, and MLS CO anomaly at 100 hPa, 2012

Black vertical lines are centers of TM (90° E) and IM (60° E)

Dash lines and gray lines are zero value of tropopause height anomaly and GPH anomaly, respectively