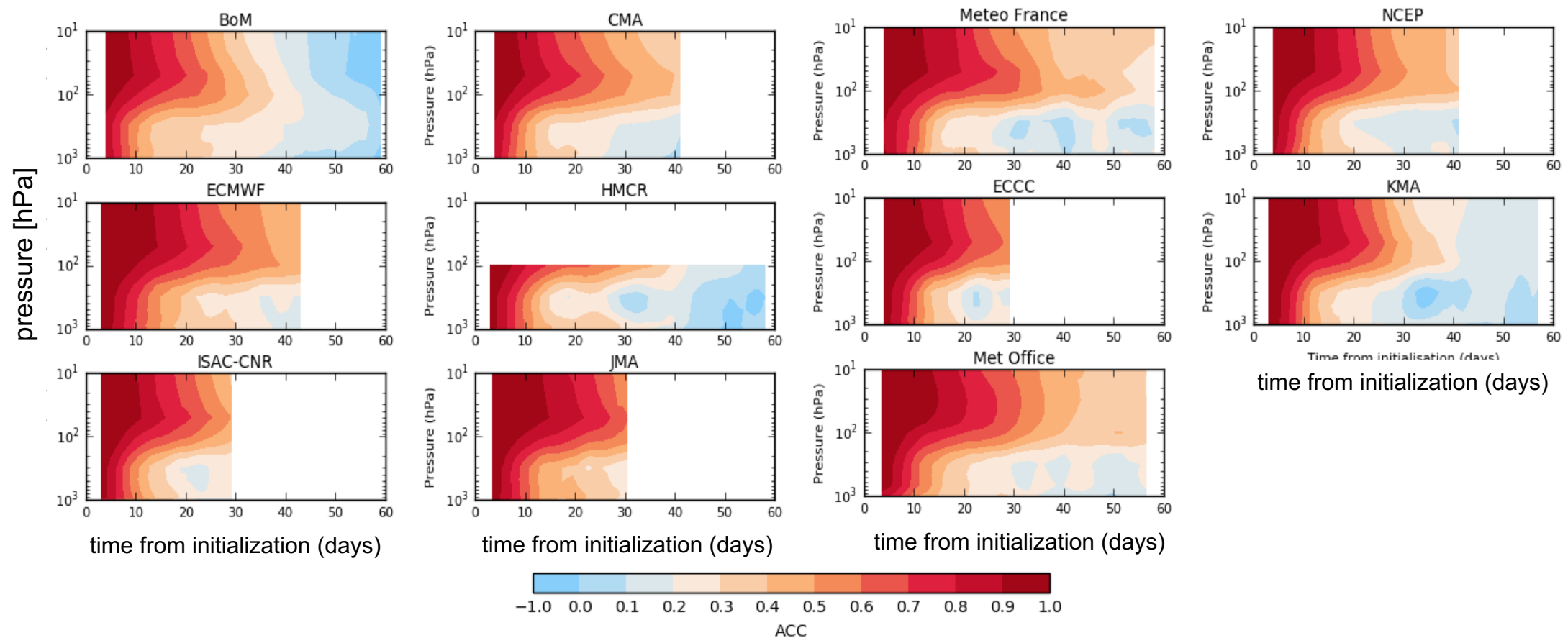


# S2S PREDICTION FROM THE SURFACE UP TO THE STRATOPAUSE

In general, the stratosphere is more predictable than the troposphere

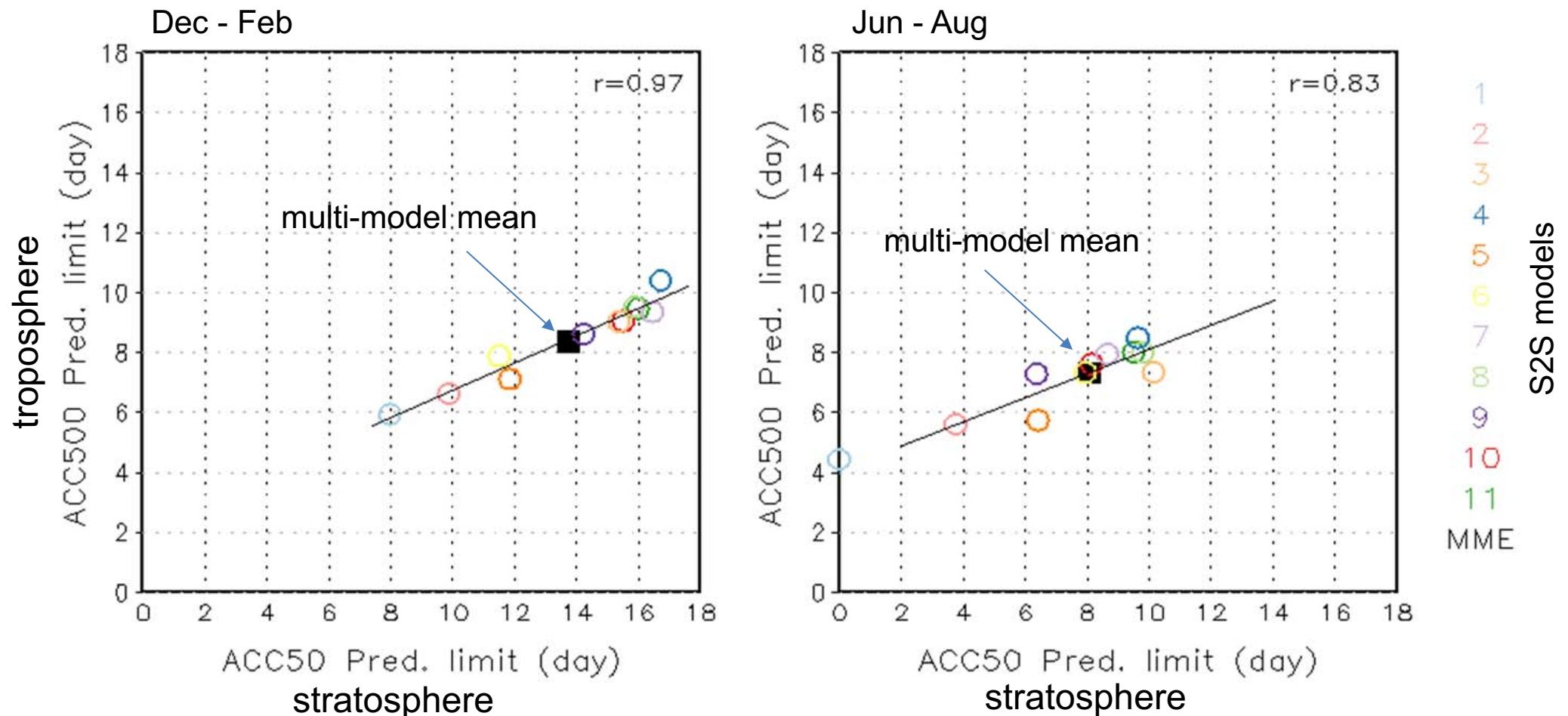


Anomaly correlation coefficient for the winter Northern Hemisphere atmosphere at 60N / 10hPa  
Stratosphere: zonal mean. Troposphere: N. Atlantic / Europe

Figure: J. Knight

# S2S PREDICTION FROM THE SURFACE UP TO THE STRATOPAUSE

High skill in the troposphere correlates with high skill in the stratosphere

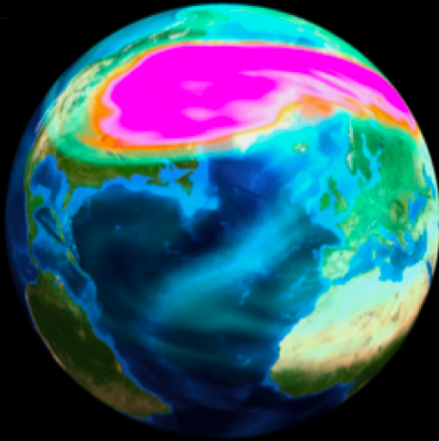


prediction limit = the lead time when the ACC drops below 0.6

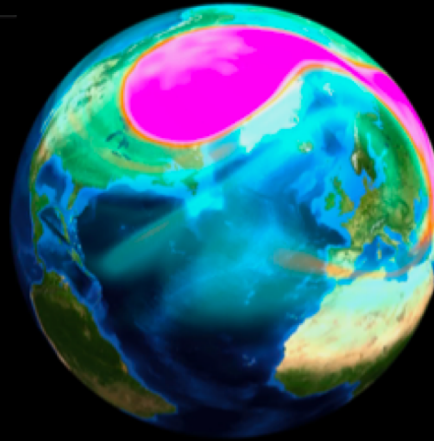
Figure: H. Kim

# THE SUDDEN STRATOSPHERIC WARMING EVENT ON FEBRUARY 12, 2018

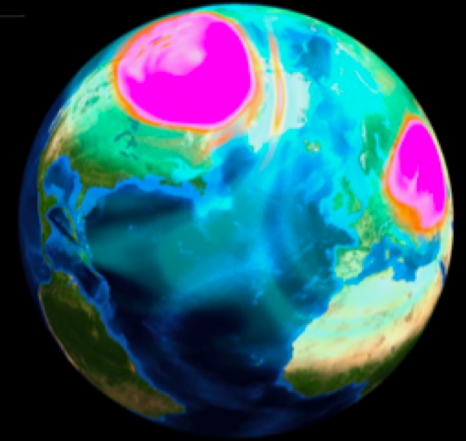
08/Feb/2018



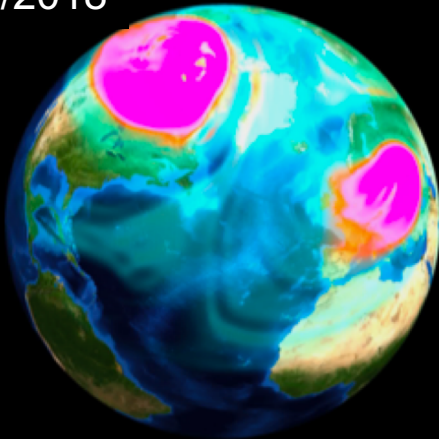
10/Feb/2018



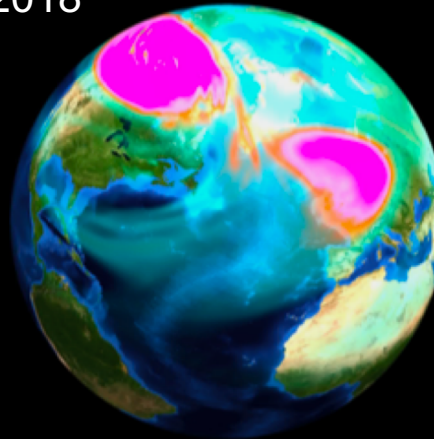
12/Feb/2018



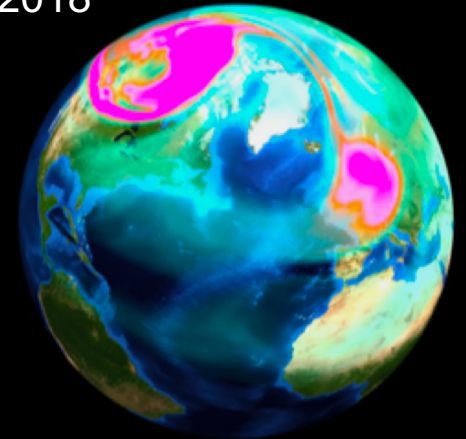
14/Feb/2018



16/Feb/2018



18/Feb/2018



Figures: A. Wollert

# PREDICTABILITY OF EXTREME STRATOSPHERIC EVENTS (NH)

SSW events are often not predictable on S2S timescales

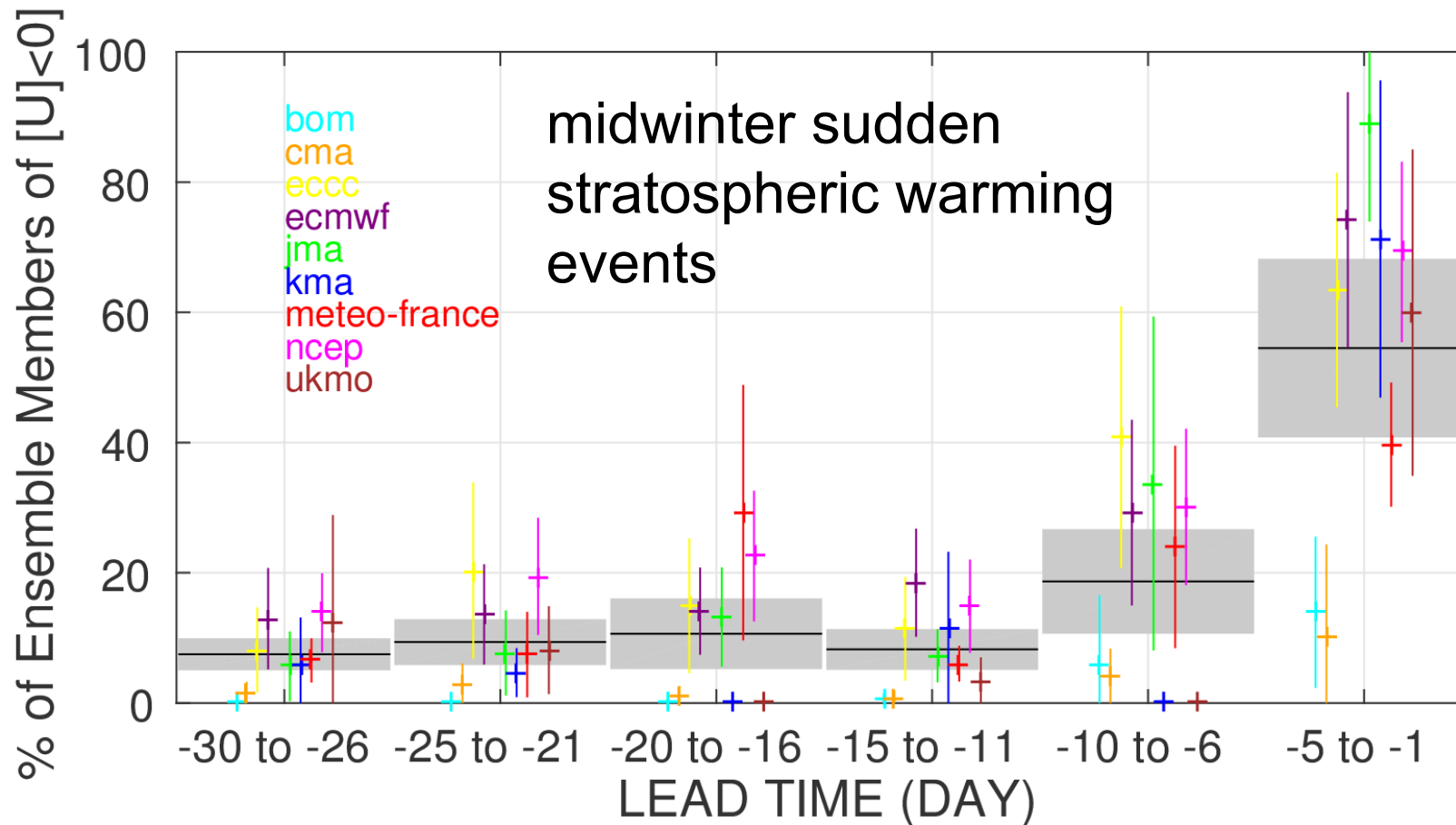


Figure: M. Taguchi