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Author(s)	Long, Craig S.; Fujiwara, Masatomo; Davis, Sean et al.
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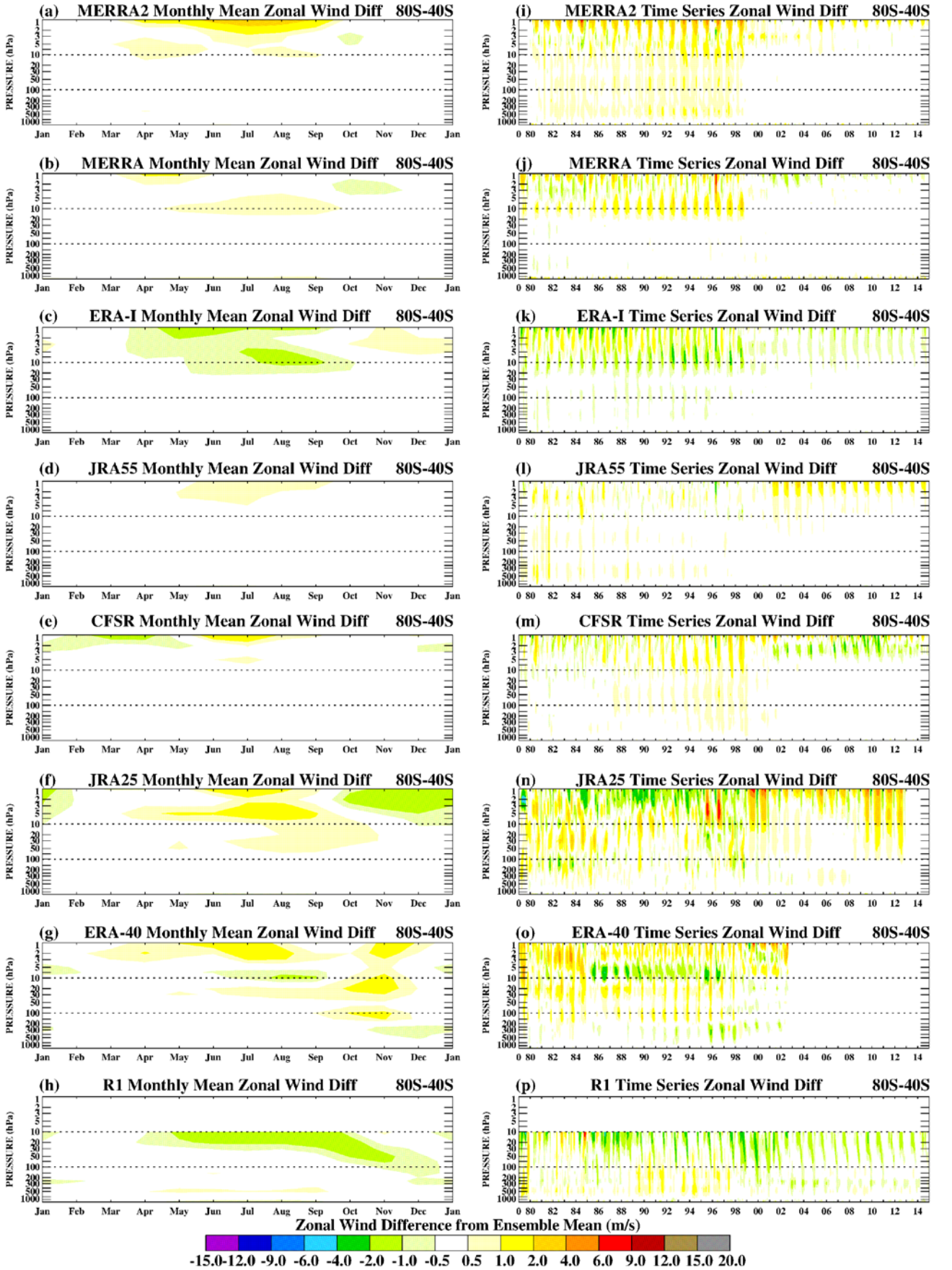
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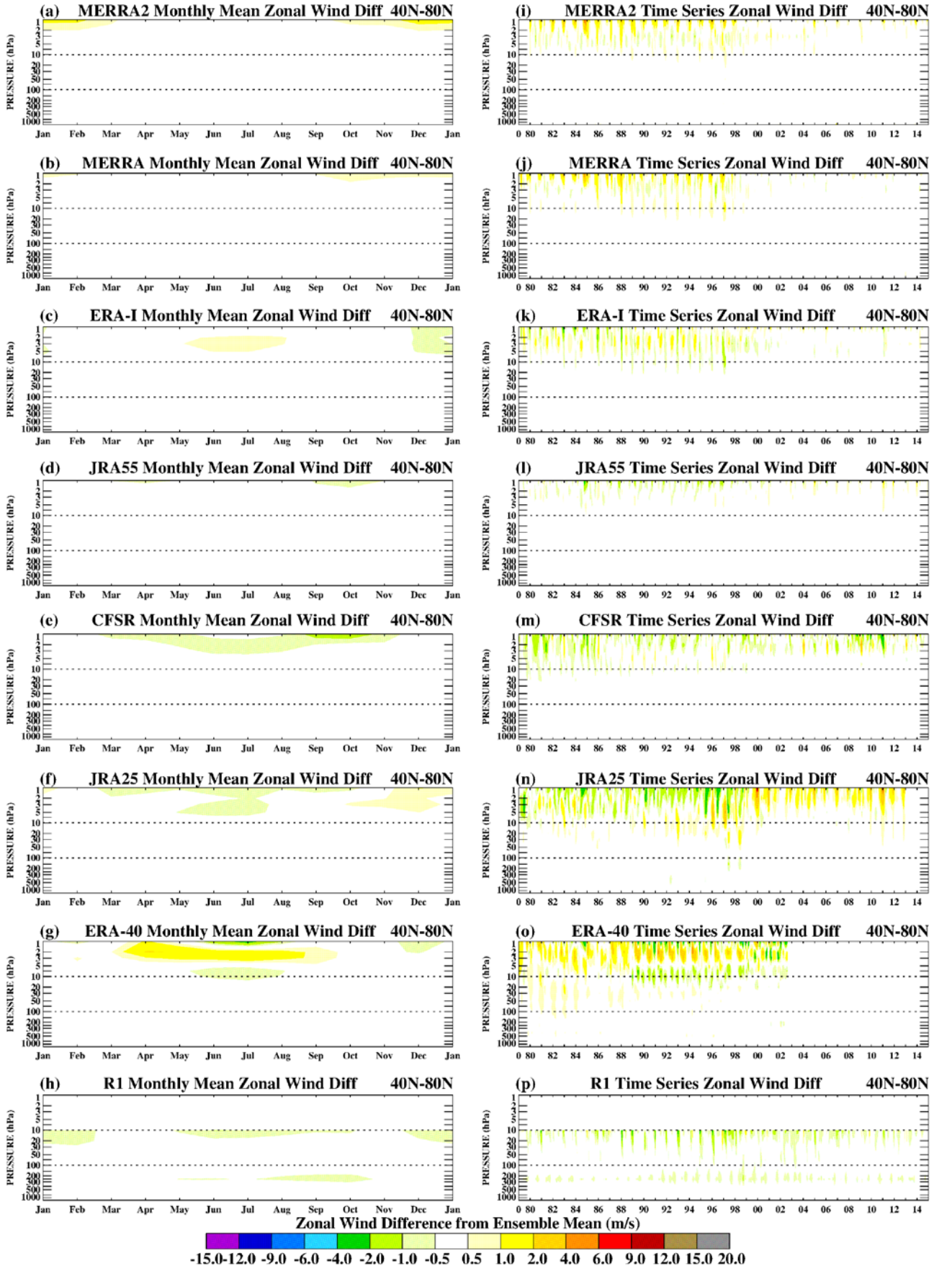
Craig S. Long et al.

Correspondence to: Craig S. Long (craig.long@noaa.gov) and Masatomo Fujiwara (fuji@ees.hokudai.ac.jp)

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S1. Pressure vs month plots (left) and pressure vs time plots (right) of the zonal wind difference (m/s) of individual reanalyses from the REM fro the zonal region 80° S – 40° S. The reanalyses are a) MERRA-2, b) MERRA, c) ERA-I, d) JRA-55, e) CFSR, f) JRA-25, g) ERA-40, and h) R1.



S2. Pressure vs month plots (left) and pressure vs time plots (right) of the zonal wind difference (m/s) of individual reanalyses from the REM fro the zonal region 40° N – 80° N. The reanalyses are a) MERRA-2, b) MERRA, c) ERA-I, d) JRA-55, e) CFSR, f) JRA-25, g) ERA-40, and h) R1.