

Figure S1: Same as Fig. 3, except using TOMS/OMI as the observational data set.

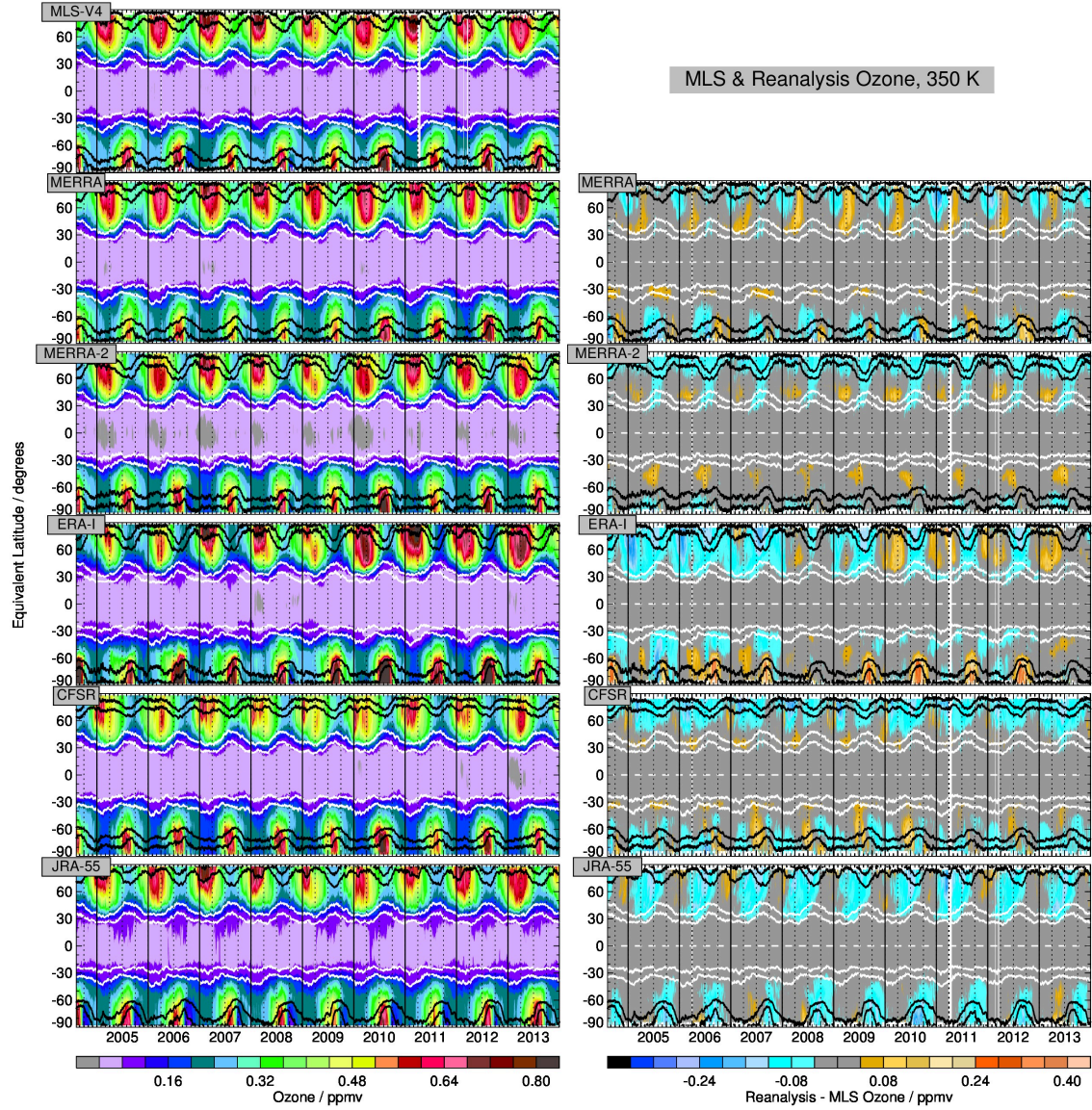


Figure S2: Same as Fig. 7, but at 350 K.

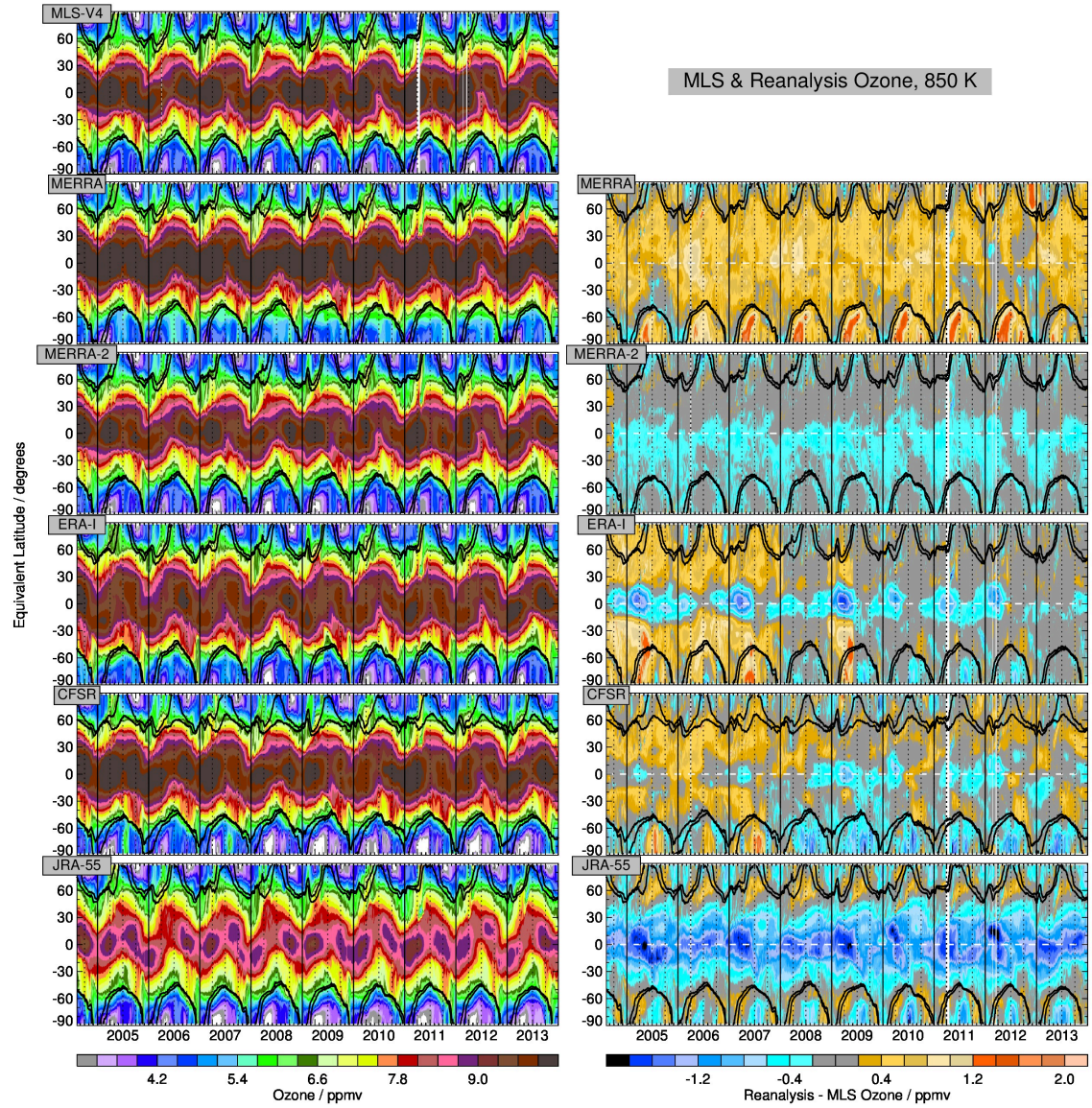


Figure S3: Same as Fig. 7, but at 850 K.

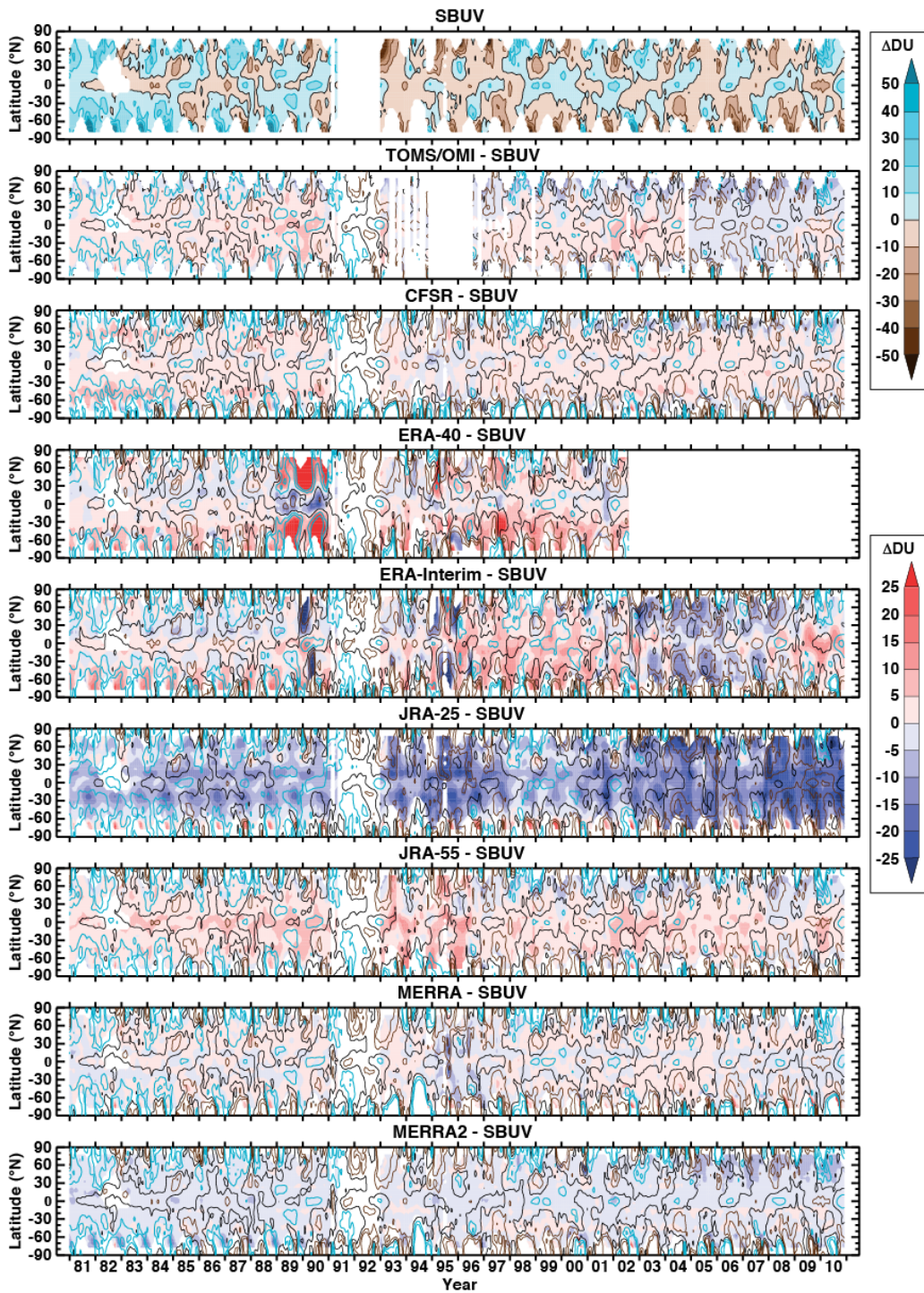


Figure S4: TOC latitude vs. time anomalies for SBUV (top row), differences between TOMS/OMI and SBUV (second from top), and differences between SBUV and the reanalyses (other rows).

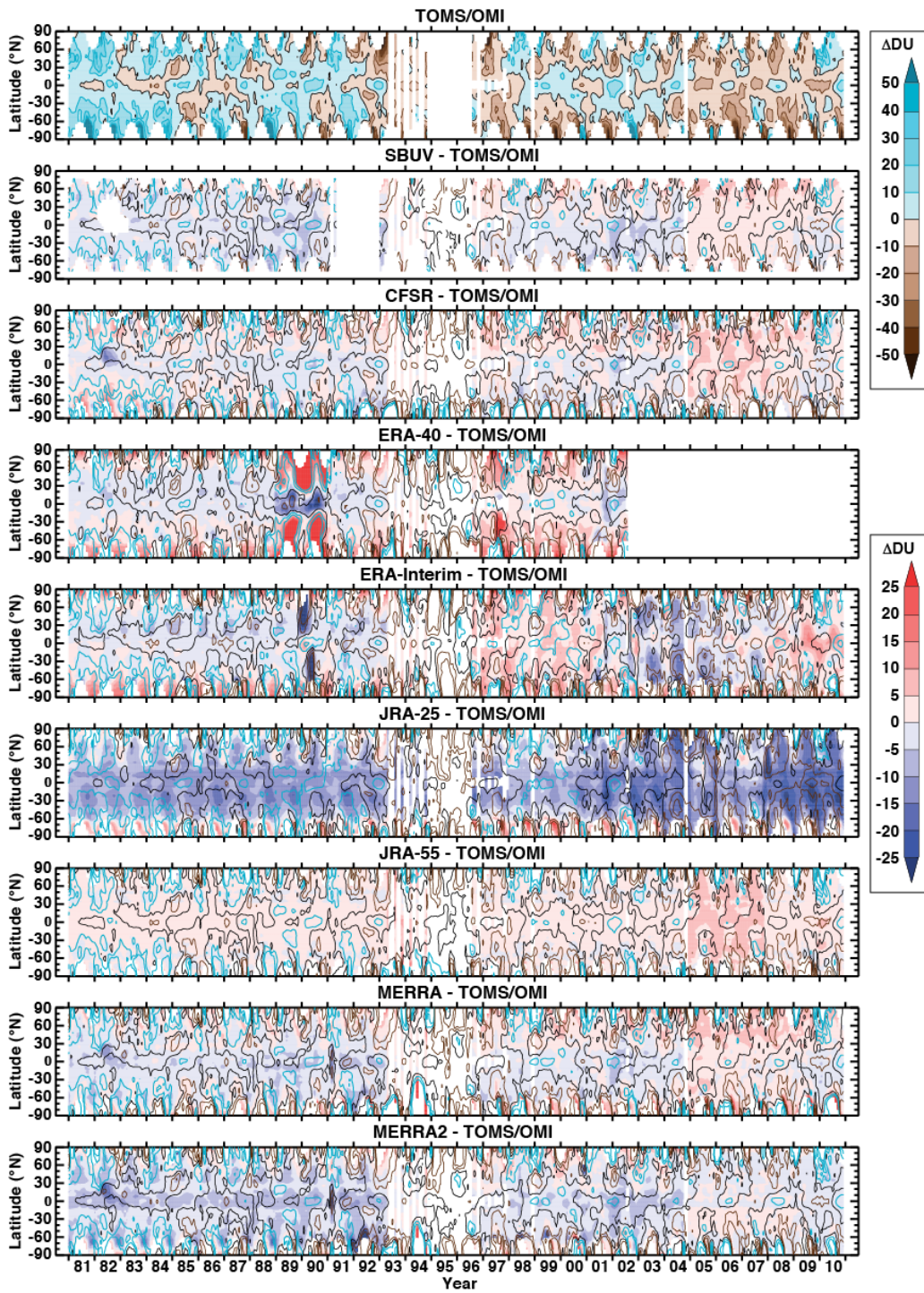


Figure S5: TO latitude vs. time anomalies for TOMS/OMI (top row), differences between SBUV and TOMS/OMI (second from top), and differences between TOMS/OMI and the reanalyses (other rows).