

**Auxiliary Material Submission for Paper titled**

**“Assessing Consistency between EOS MLS and ECMWF Analyzed and  
Forecast Estimates of Cloud Ice”**

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This electronic supplement is one file, containing one figure.

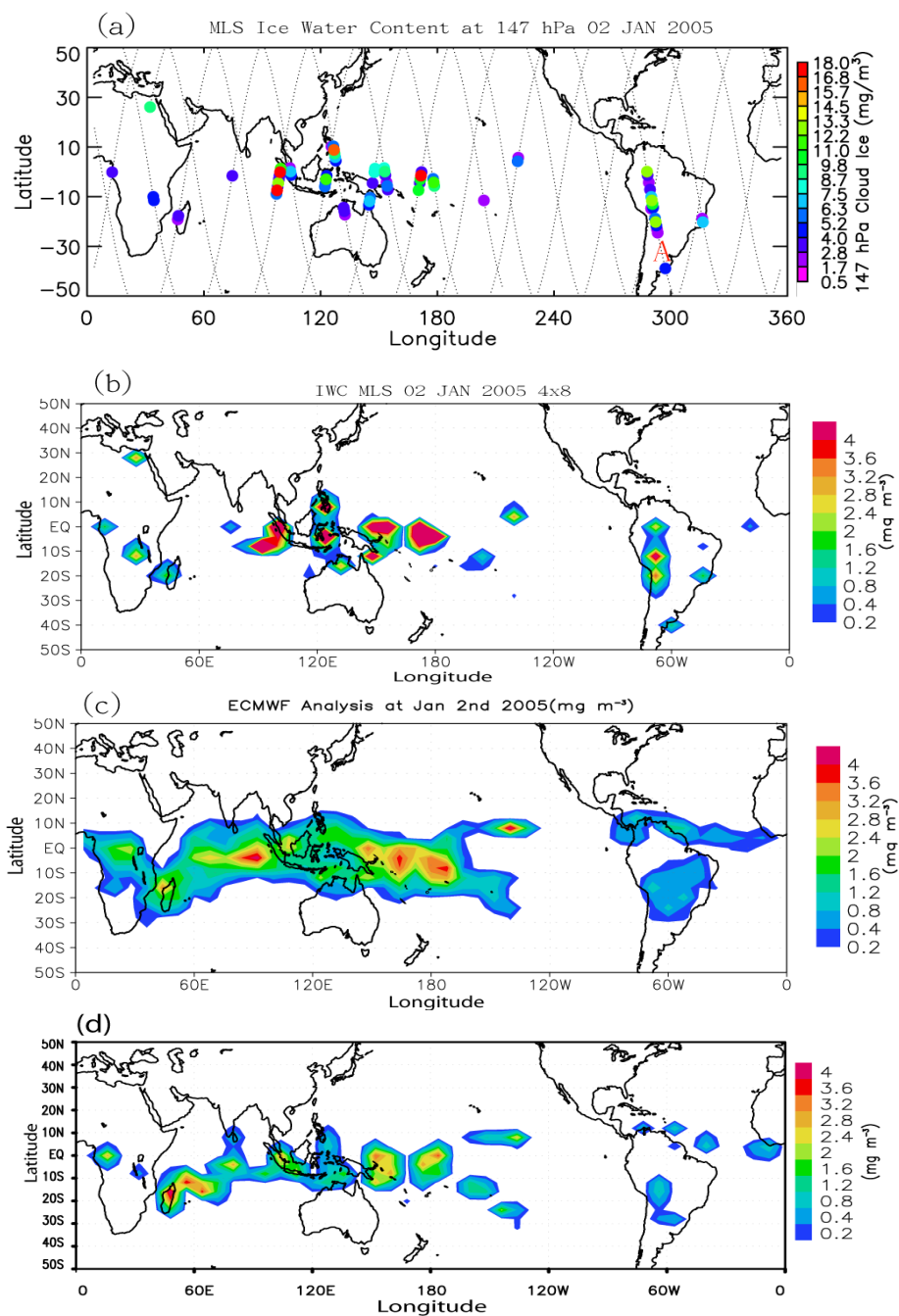


FIGURE S1. Maps of ice water content ( $\text{mg m}^{-3}$ ) on January 2<sup>nd</sup> 2005 at 147 hPa from the EOS MLS measurements at (a) footprint spatial scale near 1:30 AM (descending orbit) or 1:30 PM (ascending orbit) local time, (b) daily averaged with  $4^\circ$  by  $8^\circ$  (latitude/longitude) horizontal resolution and (c) the ECMWF analyses averaging at 00z, 06z, 12z and 18z with  $4^\circ$  by  $8^\circ$  (latitude/longitude), (d) the same as (c) but sampled along with MLS tracks shown in (a). The estimated precision for the MLS IWC is about  $0.5 (\text{mg m}^{-3})$  at this pressure level.