

Note on ACE-MAESTRO Level 2 Version 3.12.1 Data

The ACE-MAESTRO Level 2 Version 3.12.1 data are slight modification of earlier released ACE-MAESTRO v3.12 beta data. The software and data products of MAESTRO v3.12.1 are the same as of MAESTRO v3.12 beta data, except that MAESTRO v3.12.1 uses FTS v3.5 pressure and temperature (p, T) data as the input background atmosphere while MAESTRO v3.12 beta data uses FTS v3.0 p,T. The document “**ACE-MAESTRO-V3.12-Beta-Data-20130415.doc**” used for describing the MAESTRO v3.12 beta data is still valid for MAESTRO v3.12.1 in terms of data products, data formats, file name convention and is a companion document of this note. The data and the documents are all reside at <https://database.scisat.ca/level2>.

There are some transitional data version issues requiring clarification. The FTS v3.0 data including pressure and temperature data after Oct 2010 are no longer valid products. Because FTS v3.5 p,T data before Oct 2010 are consistent with FTS v3.0 p,T data, MAESTRO data from Oct 2010 to Mar 2011 were processed using v3.12 software and FTS v3.5 p,T. Now, this part of data was moved from the directory for MAESTRO v3.12 to the directory for MAESTRO v3.12.1. The final data products are:
MAESTRO v3.12 beta data based on FTS v3.0 p,T: Feb 2004 – Sept 2010
MAESTRO v3.12.1 data based on FTS v3.5 p,T: Feb 2004 – March 2013 (at the present time of writing this note. More data will be added when new FTS v3.5 p,T data are available).

Corresponding author:

Dr. Jason Zou
ACE-MAESTRO Project Scientist
jzou@atmosp.physics.utoronto.ca

Jan 19, 2015