MISR Level 2 TOA/Cloud Versioning

MISR Level 2 Top of Atmosphere/Cloud Stereo Product

Processing Status

ESDT	Product File Name Prefix	Current Quality Designations
MIL2TCST MIL2TCSF	MISR_AM1_TC_STEREO	**Stage 3 Validated:** Stereo Heights, RLRA **Stage 2 Validated:** Winds, SDCM MISR maturity level definitions I Quality Summary L2 Cloud Products

Ver. #	Production Start Date	Product Updates	Quality Transition

Current
F08_0017
	06/01/2007	Data Product Specification Rev Q (PDF).
		The entire mission is being reprocessed at this level.
		
		Software has been ported over to Linux. No algorithm changes. This version marks the beginning of FIRSTLOOK vs. FINAL processing
		New ancillary files:
		
		    MISR_AM1_TASC_<month>_<year>_F02_04.hdf (starting November 01 2009)
		    MISR_AM1_TASC_<month>_<year>_F02_03.hdf
			Stage 3 Validated:
			Heights
			Stage 2 Validated:
			SDCM (all surfaces)

F08_0016	08/01/2006	Data Product Specification Rev O (PDF). Small improvement to wind-qa: adding tests for differences in east-west wind component, height, and direction. New ancillary files: MISR_AM1_TC_ST_SCI_CONFIG_F06_0013.txt	**Stage 2 Validated:** Winds

F08_0015	02/21/2006	Data Product Specification Rev N (PDF).
		Implemented new wind retrieval algorithm for sub-pixel resolution and included new WindQA based on fwd-aft wind differences.
		
		New ancillary files:
		
		    MISR_AM1_TC_ST_SCI_CONFIG_F05_0012.txt
		    MISR_AM1_PGE8A_PCS_CONFIG_F01_0008.txt	

F08_0014	12/01/2005	*Version F08_0014 contains errors in the wind and height retrievals. See Quality Statement for details.* **Use with caution!.**	
F07_0013	05/13/2005	Data Product Specification Rev M (PDF). Turned on Da back on for the wind retrievals, with slight quality improvement.	
F07_0012	11/28/2004	Data Product Specification Rev L (PDF). Small bug fix to avoid occasional crash. No change to science results.	
F07_0011	2/04/2004	Data Product Specification Rev K (PDF). Wind Quality Flags improved. RCCM as generated by the stereo product is now fully populated. New ancillary files: MISR_AM1_TC_ST_SCI_CONFIG_F04_0011.txt	**Stage 2 Validated:** Heights **Stage 1 Validated:** Winds, SDCM (land)
F07_0010	12/08/2003	*Version F07_0010 was removed from the archive because it contained radiometric errors.* **Do not use!**	
F06_0009	08/13/2003	Data Product Specification Rev J (PDF). Block Center Times for AN camera added to product. New ancillary files: MISR_AM1_TC_ST_SCI_CONFIG_F04_0010.txt	

F05_0008	11/12/2002	Data Product Specification Rev G (PDF). Wind Quality Flags implemented. Height fields now split up into "BestWinds", "WithoutWinds" and "RawWinds" versions. Use of Da camera turned off for wind retrievals. Level 1 Orbit-QA flag is now used. New ancillary files: MISR_AM1_TC_ST_SCI_CONFIG_F03_0008.txt	**Stage 1 Validated:** Stereo Heights, RLRA, SDCM (ice-free ocean)
F04_0007	04/15/2002	Data Product Specification Rev E (PDF). CloudMotionSource field updated to provide correct information as to the source of each individual wind vector. The individual camera id's used for the height retrieval are restored. Disabled use of RCCM in a pre-screen for the misregistration retrievals for the time being. New ancillary files: MISR_AM1_TC_ST_SCI_CONFIG_F02_0007.txt	**Provisional:** Stereo Heights
F03_0006	09/27/2001	Data Product Specification Rev D (PDF). A new field called Preliminary SDCM was added to the product. The SDCM algorithm was updated to begin using the RCCM, but only over ocean. New ancillary files: MISR_AM1_TC_ST_SCI_CONFIG_F02_0006.txt	
F02_0005	03/30/2001	HDF file access efficiency updates. Fixed bug introduced in Patch 1 in which ~5% of domains contained unusable cloud height data. Manage occurrences of large, anomalous values in the 4 stereo domain parameters for CrossMisregistrationError. Correction of Look vector discontinuity logic. Correction of optimizer errors. Correction of histogram peak wind speed value. Correction of wind speed histogram which was not reported properly. New ancillary files: MISR_AM1_TC_ST_SCI_CONFIG_F02_0005.txt	

Baseline: F02_0004	02/16/2001	Initial baseline for Level 2 TC Stereo public release. Add trap singular matrix condition. Add test for invalid look vectors. Use different metadata to test for validity of time tags. Fix incorrectly addressed array. Introduced bug in which ~5% of domains contain unusable cloud height data.
		
		Baseline ancillary files:
		
		    MISR_AM1_ARP_INFLTCAL_T006_F02_0001.hdf
		    MISR_AM1_ARP_CONFIG_F02_0002.hdf
		    MISR_AM1_ARP_PRFLTCAL_F02_0004.hdf
		    MISR_AM1_ARP_PRFLTCHAR_F02_0002.hdf
		    MISR_AM1_AGP_Pxxx_F01_24.hdf
			Beta: all parameters