MISR Level 2 TOA/Cloud Versioning

MISR Level 2 Top of Atmosphere/Cloud Classifiers

Processing Status

ESDT	Product File Name Prefix	Current Quality Designations
MIL2TCCL MIL2TCCF	MISR_AM1_TC_CLASSIFIERS	**Stage 3 Validated:** RCCM angle-by-angle cloud fractions **Stage 2 Validated:** Angular Signature Cloud Mask (ASCM), RCCM/SDCM/ASCM-based classifiers, Altitude-based Scene Classifiers, Consensus Cloud Classifiers **Provisional:** Resolution-corrected Cloud Fractions, Support Vector Machine (SVM) Scene Classifiers **Beta:** SVM Cirrus Fraction MISR maturity level definitions I Quality Summary L2 Cloud Products

Ver. #	Production Start Date	Product Updates	Quality Transition

Current
F07_0013
	06/01/2014 to 05/31/2017	Classifiers Data Product Specification Rev A (PDF).
		Only for Final processing (no Firstlook) time period June 2014 to May 2017.
		Due to an error in the snow-ice mask for these months, this product has been regenerated.
		For all other months, the F07_0012 product is current.
		
		New ancillary files:
		
		  MISR_AM1_TASC____F02_06.hdf
		  (June 2014 to February 2017)
		  MISR_AM1_TASC____F02_07.hdf
		  (March 2017 to May 2017)
			Stage 3 Validated:
			RCCM angle-by-angle cloud fractions
			
			Stage 2 Validated: Cloud Classifiers
			
			Provisional: Resolution-corrected Cloud Fractions

Current
F07_0012
	07/01/2014	Classifiers Data Product Specification Rev A (PDF).
		Resolution-corrected cloud fractions added to product.
		CloudTopHeights from TC_CLOUD replace those from TC_STEREO.
		Cloud-fractions renormalized so they no longer have an artifical dip at the swath edges.
		Snow-ice masks and Feature-Referenced RCCM added to product.
		Feature-referenced ASCM uses individual CloudTopHeight for projections.
		
		New ancillary files:
		
		  MISR_AM1_CLDFRAC_F01_0001.hdf
		  MISR_AM1_PGE8B_PCS_CONFIG_F05_0007.txt
			Stage 3 Validated:
			RCCM angle-by-angle cloud fractions
			
			Stage 2 Validated: Cloud Classifiers
			
			Provisional: Resolution-corrected Cloud Fractions

Current
F06_0011
	12/01/2007	Data Product Specification Rev Q (PDF).
		The entire mission is being reprocessed at this level.
		Software has been ported over to Linux.
		BestEstimate cloud fraction and average/median stereo heights for a 17.6km region have been added.
		
		New ancillary files:
		
		  MISR_AM1_TASC_<month>_<year>_F02_04.hdf (starting November 01 2009)
		  MISR_AM1_CSSC_F02_06.hdf
			Stage 3 Validated:
			RCCM angle-by-angle cloud fractions
			
			Stage 2 Validated: Cloud Classifiers

F05_0010	06/01/2007	Data Product Specification Rev P (PDF).
		This version marks the beginning of FIRSTLOOK vs. FINAL processing.
		New ASCM thresholds for snow-ice have been added, and original thresholds for snow-ice free surfaces have also been modified.
		
		New ancillary files:
		
		  MISR_AM1_ASCT_BDAS_(WIN,SPR,SUM,FALL)_DCCAM_
		  T<901-932>_F02_0005.hdf
		  MISR_AM1_ASCT_BDAS_(WIN,SPR,SUM,FALL)_DBCAM_
		  T<901-932>_F02_0005.hdf
		  MISR_AM1_ASCT_BDAS_(WIN,SPR,SUM,FALL)_CBCAM_
		  T<901-932>_F02_0005.hdf
		  MISR_AM1_TASC_<month>_<year>_F02_03.hdf
			Stage 2 Validated: ASCM

F05_0009	08/01/2006	Data Product Specification Rev N (PDF). Removed deadband at equator in ASCM. Improved Coarse Consensus Cloud Classifier. SVM Cirrus Mask masked out over land. Fixed normalization errors in Cloud Fractions.	**Provisional:** Consensus Cloud Classifiers

Ver. #	Production Start Date	Product Updates	Quality Transition
		New ancillary files: MISR_TC_CL_SCI_CONFIG_F03_0006.txt	

F05_0008	02/21/2006	Data Product Specification Rev N (PDF).
		Implemented Support Vector Machine (SVM) Scene Classifiers and Cirrus Mask.
		New seasonal thresholds (land) for ASCM.
		
		New ancillary files:
		
		    MISR_AM1_SVM_F01_0001.hdf
		    MISR_AM1_ASCT_BDAS_(WIN,SPR,SUM,FALL)_DCCAM_
		    T<901-932>_F01_0004.hdf
		    MISR_AM1_ASCT_BDAS_(WIN,SPR,SUM,FALL)_DBCAM_
		    T<901-932>_F01_0004.hdf
		    MISR_AM1_ASCT_BDAS_(WIN,SPR,SUM,FALL)_CBCAM_
		    T<901-932>_F01_0004.hdf
			Provisional: SVM Scene Classifiers
			Beta: SVM Cirrus Fraction

F05_0007	12/01/2005	*The TC_STEREO data corresponding to this version number contains errors which affect the results. See Quality Statement for details.* ***Use with caution!***	

F04_0006	05/13/2005	Data Product Specification Rev M (PDF).
		New seasonal thresholds (land and ocean) for ASCM.
		
		New ancillary files:
		
		    MISR_AM1_ASCT_BDAS_(WIN,SPR,SUM,FALL)_DCCAM_
		    T<901-932>_F01_0003.hdf
		    MISR_AM1_ASCT_BDAS_(WIN,SPR,SUM,FALL)_DBCAM_
		    T<901-932>_F01_0003.hdf
		    MISR_AM1_ASCT_BDAS_(WIN,SPR,SUM,FALL)_CBCAM_
		    T<901-932>_F01_0003.hdf
		    MISR_AM1_CSSC_F01_05.hdf
			Stage 2 Validated:ASCM (ocean including sea-ice)
			Stage 1 Validated:ASCM (land including snow-ice)

F04_0005	11/28/2004	Data Product Specification Rev L (PDF).
		New seasonal ocean thresholds for ASCM, consensus cloud classifiers implemented, removed visual discontinuities in ASCM.
		
		New ancillary files:
		
		    MISR_AM1_TC_CL_SCI_CONFIG_F03_0004.txt
		    MISR_AM1_PGE8B_PCS_CONFIG_F03_0004.txt
		    MISR_AM1_ASCT_BDAS_(WIN,SPR,SUM,FALL)_DCCAM_
		    T<901-932>_F01_0002.hdf
		    MISR_AM1_ASCT_BDAS_(WIN,SPR,SUM,FALL)_DBCAM_
		    T<901-932>_F01_0002.hdf
		    MISR_AM1_ASCT_BDAS_(WIN,SPR,SUM,FALL)_CBCAM_
		    T<901-932>_F01_0002.hdf
		    MISR_AM1_CSSC_F01_04.hdf
			Stage 1 Validated: SDCM (all surface types), RCCM (ocean) classifiers, altitude-based classifiers
			Provisional: RCCM (land) classifiers
			Beta: Consensus cloud classifiers

F03_0004	02/04/2004	Data Product Specification Rev J (PDF). Radiometric errors corrected.	
F03_0003	12/08/2003	*All version F03_0003 files covering orbits 15707-16930 and 21023-21823 were removed from the archive because they were processed with radiometric errors.* ***Do not use!***	

F03_0003	08/13/2003	Data Product Specification Rev J (PDF).
		Angular Signature Cloud Mask implemented. Block Center Times for AN camera added to product.
		
		New ancillary files:
		
		    MISR_AM1_TC_CL_SCI_CONFIG_F02_0003.txt
		    MISR_AM1_ASCT_BDAS_DCCAM_F01_0001.hdf
		    MISR_AM1_ASCT_BDAS_DBCAM_F01_0001.hdf
		    MISR_AM1_ASCT_BDAS_CBCAM_F01_0001.hdf
		    MISR_AM1_ASCI_BDAS_DCCAM_F01_0001.hdf
		    MISR_AM1_ASCI_BDAS_DBCAM_F01_0001.hdf
		    MISR_AM1_ASCI_BDAS_CBCAM_F01_0001.hdf
			Provisional: ASCM

F02_0002	11/12/2002	Data Product Specification Rev G (PDF). BestWinds versions of Stereo Heights are now used in the cloud classifiers. Level 1 Orbit-QA flag added to file. New ancillary files:	**Stage 1 Validated:** SDCM (ocean) -based, RCCM (ocean)-based Classifiers

Ver. #	Production Start Date	Product Updates	Quality Transition
		MISR_AM1_TC_CL_SCI_CONFIG_F01_0001.txt	
F01_0001	04/15/2002	Data Product Specification Rev D (PDF). No software change. The quality designation of some of the Cloud Classifiers fields was changed as a result of improvements in the quality of the Stereo Heights input. New ancillary files: MISR_AM1_TC_CL_SCI_CONFIG_F01_0001.txt	**Provisional:** SDCM-based Classifiers
Baseline: F01_0001	12/03/2001	Data Product Specification Rev D (PDF). Initial baseline for Level 2 TC Classifiers public release. Does not include ASCM (Angular Signature Cloud Mask) fields. New ancillary files: MISR_AM1_TC_CL_SCI_CONFIG_F01_0001.txt 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