

22 August 1995

TRMM_IRD_FPRS_LINKS

IRD	IRD_segment	IRD_text	IRD_clarification	FPRS	L3_type	L3_segment	L3_text	L3_clarification
TRMM 1010	SDPS	The ECS <u>systems at the LaRC DAAC</u> shall ingest CERES <u>Level 0 and quick-look data sets</u> from SDPF.		SDPS0020		SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quick-look data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV

				EOSD16 07	interfa ce	FOS/CS MS	ECS shall receive data from near term Earth Probe missions to include the following as a minimum: a). TRMM data for archive and distribution b). Landsat 7 data for archive and distribution including IGS metadata and browse.	
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TRMM 1020	SDPS	The SDPF to the ECS LaRC DAAC data stream shall include Level 0 and quick-look data sets.		EOSD16 08	interfa ce	FOS/CS MS	ECS elements shall receive from EPDSs the following at a minimum: a. Data products b. Ancillary data c. Calibration data d. Correlative data e. Metadata f. Data information g. Documentation	
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				SDPS00 20		SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quick-look data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
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TRMM 1030	SDPS	The SDPF Level 0 and quick-look data sets for CERES shall contain quality and accounting information.		SDPS00 20		SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quick-look data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
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TRMM 1040	SDPS	The SDPF Level 0 and quick-look data sets for CERES shall contain a detached SFDU header.		DADS0 320	functional	SDPS	Each DADS shall verify compliance of scientist provided data with EOSDIS defined standards for metadata and file content (not scientific content).	
TRMM 1050	SDPS	SDPF shall send a notification to the ECS <u>systems at the LaRC DAAC</u> upon availability of CERES Level 0 production or quick-look data.		DADS2 020	functional	SDPS	Each DADS shall have the capability to receive data availability schedules at a minimum, from: a.EDOS b.IPsc c.AD Csd d.ODC e.Other DADS f.TRMM (SDPF)	

TRMM 1060	SDPS CSMS	The ECS <u>systems at the</u> LaRC DAAC shall, after notification by SDPF, retrieve CERES Level 0 production and quick-look data by an agreed- upon file transfer protocol.		EOSD16 07	interfa ce	FOS/CS MS	ECS shall receive data from near term Earth Probe missions to include the following as a minimum: a). TRMM data for archive and distribution b). Landsat 7 data for archive and distribution including IGS metadata and browse.	
				<u>DADS0</u> <u>130</u>	<u>functio</u> <u>nal</u>	<u>SDPS</u>	<u>Each DADS shall</u> <u>receive from</u> <u>the EDOS and</u> <u>SDPF, at a</u> <u>minimum, the</u> <u>following:</u> <u>a.</u> <u>_____ Productio</u> <u>n data (L0)</u> <u>b. Quick-</u> <u>look data</u>	

TRMM 1070	SDPS	The ECS <u>systems at the</u> LaRC DAAC shall ensure that CERES data has been received and validated.	* flags require ments that support, but do not define, the interface between systems	DADS2 040	functional	SDPS	Each DADS shall insure that data sent by EDOS and SDPF has been received and validated.	
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TRMM 1080	SDPS	The ECS <u>systems at the</u> LaRC DAAC shall acknowledge successful receipt of a CERES data set to the SDPF.		SDPS00 20		SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quick-look data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
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TRMM 1090	SDPS	<p><u>Upon</u> the ECS <u>systems at the</u> LaRC DAAC; upon discovering an unprocessable data set during validation, <u>the ECS and SDPF personnel</u> shall assess the need with the SPDF for regeneration.</p>		SDPS00 20		SDPS	<p>The SDPS shall receive EOS science, engineering, ancillary, and quick-look data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.</p>	Deleted 604 L2 trace. DV
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TRMM 1100	NONE	SDPF shall regenerate/reprocess CERES Level 0 data for the <u>ECS systems at the</u> LaRC DAAC, for recovery purposes, as negotiated in order to avoid impacting SDPF support for on-orbit spacecraft.		SDPS00 20		SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quick-look data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
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TRMM 1110	SDPS	SDPF shall provide a CERES Level 0 data set to the ECS <u>systems at the LaRC DAAC</u> once per day within 24 hours of the last acquisition session.		EOSD16 07	interfa ce	FOS/CS MS	ECS shall receive data from near term Earth Probe missions to include the following as a minimum: a). TRMM data for archive and distribution b). Landsat 7 data for archive and distribution including IGS metadata and browse.	
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TRMM 1120	SDPS <u>NONE</u>	The SDPF shall retain CERES Level 0 data sets for five (5) days.		SDPS00 20		SDPS <u>NONE</u>	The SDPS shall receive EOS science, engineering, ancillary, and quick-look data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
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TRMM 1130	SDPS	The ECS <u>systems at the</u> LaRC DAAC shall receive CERES scheduled quick-look from SDPF 3 times per day plus occasional special quick-look <u>data sets</u> .		EOSD16 07	interfa ce	FOS/CS MS	ECS shall receive data from near term Earth Probe missions to include the following as a minimum: a). TRMM data for archive and distribution b). Landsat 7 data for archive and distribution including IGS metadata and browse.	
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TRMM 1140	SDPS <u>NONE</u>	A CERES quick-look data set shall contain data received during a single spacecraft contact.		SDPS00 20		SDPS <u>NONE</u>	The SDPS shall receive EOS science, engineering, ancillary, and quick-look data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
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TRMM 1150	SDPS	SDPF shall notify the ECS <u>systems at the</u> LaRC DAAC of availability of a CERES quick-look data set within 2 hours of the end of the acquisition session.		DADS2 020	function al	SDPS	Each DADS shall have the capability to receive data availability schedules at a minimum, from: a.EDOSb.IPsc.AD Csd.ODCse.Other DADSf.TRMM (SDPF)	
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TRMM 1160	SDPS	CERES special quick-look data collection and processing shall be scheduled <u>with SDPF by human interaction.</u>		SDPS00 20		SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quick-look data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
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TRMM 1170	SDPS	Data collected and processed for CERES solar calibration shall be scheduled <u>by human interaction</u> .		SDPS00 20		SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quick-look data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
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TRMM 1180	SDPS	ECS shall be able to process SDPF Level 0 and quick-look data sets in SPDF-defined format.		DADS0 320	functional	SDPS	Each DADS shall verify compliance of scientist provided data with EOSDIS defined standards for metadata and file content (not scientific content).	
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TRMM 1190	SDPS <u>NONE</u>	SDPF shall retain CERES raw data for 2 years.		DADS1 450	functional	SDPS <u>NONE</u>	Each DADS shall be capable of screening its archive holdings of Level 1A or Level 0 data, and if a product(s) is found to be lost or unreadable, generate a request for a replacement product from EDOS, dispatch the request, and ingest the replacement product.	
<u>TRMM 1195</u>	<u>SDPS</u>	<u>SDPF shall send a notification to the ECS systems at the LaRC DAAC upon availability of predictive or definitive orbit data.</u>		<u>DADS2 020</u>	<u>functional</u>	<u>SDPS</u>	<u>Each DADS shall have the capability to receive data availability schedules at a minimum, from: a.EDOS b.IPsc c.AD Csd. d.ODC e.Other DADS f.TRMM (SDPF)</u>	
TRMM 1200	SDPS	The ECS <u>systems at the LaRC DAAC</u>		IMS- 0510	interface	SDPS	The IMS shall provide tools for research	

				ICC-7220	functional	FOS	The IST shall have the capability to request and accept from the ICC planning and scheduling information, which includes, at a minimum, the following: a. LTS P and LTIP goals and priorities b. Current resource availability information c. Current predicted orbit data and related information d. Plans and schedules	
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TRMM 1210	SDPS	The ECS <u>systems at the</u> LaRC DAAC shall ingest definitive orbit data from the SDPF.		EOC-2010	functional	FOS	The EOC shall accept from the FDF planning and scheduling information for the EOS spacecraft and instruments, which includes, at a minimum, the following: a. Predicted orbit data including predicted ground track b. EOS spacecraft UAV data c. PSAT d. Spacecraft maneuver information	
22				IMS-0510	interface	SDPS	The IMS shall provide tools for research planning and data search, to include at a minimum: a. Data acquisition schedules and plans b. The capability to	

TRMM 1220	SDPS	ECS shall archive definitive orbit for CERES reprocessing of level 1A data in case of data loss.	* flags require ments that support, but do not define, the interface between systems	DADS0 475	functional	SDPS	The DADS shall provide storage for the following TRMM data: a. L0-L4 equivalent data products b. Associated correlative data sets c. Associated ancillary data sets d. Associated calibration data sets e. Associated metadata f. Documents g. Algorithms.
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				EOSD16 07	interfa ce	FOS/CS MS	ECS shall receive data from near term Earth Probe missions to include the following as a minimum:— a). TRMM data for archive and distribution b). Landsat 7 data for archive and distribution including IGS metadata and browse.	
TRMM 1230	SDPS	The CERES instrument team and science team shall define the ancillary, correlative, and flight dynamics data and algorithms needed for their processing.	* flags require ments that support, but do not define, the interfa ce betwee n system s	EOSD17 50	interfa ce	CSMS	ECS elements shall receive data including the following types of supporting information from the ECS science community (TLs, TMs, PIs, and Co-Is):a.Algorithms b.Software fixesc.Instrume nt calibration datad.Integratio	

<p>TRMM 1240</p>	<p>SDPS</p>	<p>The CERES instrument team and science team shall provide the quick-look data processing algorithms and quick-look operations concept needed for CERES.</p>	<p>* flags require ments that support, but do not define, the interface between systems</p>	<p>EOSD17 50</p>	<p>interfa ce</p>	<p>CSMS</p>	<p>ECS elements shall receive data including the following types of supporting information from the ECS science community (TLs, TMs, PIs, and Co-Is): a. Algorithms b. Software fixes c. Instrument calibration data d. Integration support requests e. Meta data for Special Products archiving f. Data transfer requests (inventories, directories, and browse) g. Data Quality/Instrument assessment h. Instrument operations information i. Ancillary data</p>
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TRMM 1250	SDPS	The ECS LaRC DAAC shall produce standard products for the CERES instrument and perform quality control for ECS-developed products.	* flags require ments that support, but do not define, the interface between systems	PGS- 1200	functional	SDPS	The PGS shall have the capability to generate a data quality assessment report including a description of the quality of each processed product as well as the quality of each of the product's input data sets.	
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				IMS-1700	functional	SDPS	<p>The IMS shall provide the capability to generate reports on:</p> <ul style="list-style-type: none"> a. The backlog of data distribution requests b. The backlog of processing requests c. The backlog of data acquisition requests d. Data quality assessments e. Daily IMS operations summaries f. IMS performance summaries 	Deleted 1472-L2 trace. DV
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				SDPS00 30		SDPS	The SDPS shall produce Standard Products (as listed in Appendix C, including prototype products on a time-available basis) for EOS instruments based on the algorithms source code and calibration coefficients supplied by EOS scientists.	
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				SDPS00 80		SDPS	The SDPS shall archive, manage, quality check, and account for all science and ancillary data received from the IPs, the EPDSs, the SCFs, the ADCs, the ODCs, other DAACs, PIs and the other EOS science users.	
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				DADS0 290	functional	SDPS	Each DADS shall check all metadata and data it receives. For each type of data described by the metadata, the data shall be checked for the presence of required fields, error-free input, correctness of the data set granule size, and other checks as required.	
				SMC- 8800	functional	CSMS	The SMC shall have the capability to generate detailed and summary reports indicating the overall performance of the ECS. At a minimum, they shall include:	Deleted 1469 L2 trace. DV

TRMM 1260	SDPS	*The CERES standard products developed at the ECS LaRC DAAC shall be archived at the ECS LaRC DAAC.	* flags requirements that support, but do not define, the interface between systems	DADS0 475	functional	SDPS	The DADS shall provide storage for the following TRMM data: a. L0-L4 equivalent data products b. Associated correlative data sets c. Associated ancillary data sets d. Associated calibration data sets e. Associated metadata f. Documents g. Algorithms.
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				EOSD16 07	interfa ce	FOS/CS MS	ECS shall receive data from near term Earth Probe missions to include the following as a minimum: a). TRMM data for archive and distribution b). Landsat 7 data for archive and distribution including IGS metadata and browse.	
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				SDPS0080		SDPS	The SDPS shall archive, manage, quality check, and account for all science and ancillary data received from the IPs, the EPDSs, the SCFs, the ADCs, the ODCs, other DAACs, PIs and the other EOS science users.	
TRMM 1270	SDPS CSMS	The ECS LaRC DAAC and SPDF shall support TRMM end-to-end testing 9 months before TRMM launch.		EOSD0760	functional	FOS/SDPS/CSMS	Each ECS element shall support end-to-end EOS system testing and fault isolation.	

TRMM 1280	SDPS	ECS shall be able to accept CERES simulated data from SDPF.		IMS- 1130	function al	SDPS	The IMS shall provide descriptive information on instruments and parameters available in Standard Products to help with the creation of data acquisition requests.	
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TRMM 1290	SDPS CSMS	The interfaces between TRMM and ECS shall make appropriate use of standards for data structures and data transport as defined for use within the publications of CCSDS and ISO/OSI, and shall use commercial off-the-shelf (COTS) hardware and software products as appropriate.		ESN- 0003	function al	CSMS	The ESN shall enable researchers on existing networks (TCP/IP and GOSIP) to gain access to data and ECS services in a transparent manner to the underlying differences between the networks.	
				ESN- 1340	function al	CSMS	The ESN shall provide support for TCP/IP communications protocols and services to external interfaces as required by the IRDs.	

				ESN-1330	functional	CSMS	The ESN shall provide ISO/OSI data communications protocols and services specified in the GOSIP (see Figure 8-3) to external interfaces as required by the IRDs.	
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TRMM 2010	SDPS	The ECS <u>systems at the</u> MSFC DAAC shall ingest LIS data from SDPF.		SDPS00 20		SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quick-look data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
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				EOSD16 07	interfa ce	FOS/CS MS	ECS shall receive data from near term Earth Probe missions to include the following as a minimum: a). TRMM data for archive and distribution b). Landsat 7 data for archive and distribution including IGS metadata and browse.	
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TRMM 2020	SDPS	The SDPF to the ECS MSFC DAAC data stream shall include Level 0 and quick-look data sets.		EOSD16 08	interfa ce	FOS/CS MS	ECS elements shall receive from EPDSs the following at a minimum: a. Data products b. Ancillary data c. Calibration data d. Correlative data e. Metadata f. Data information g. Documentation	
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				SDPS00 20		SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quick-look data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
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TRMM 2030	SDPS	The SDPF Level 0 and quick-look data sets for LIS shall contain quality and accounting information.		SDPS00 20		SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quick-look data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
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TRMM 2040	SDPS	The SDPF Level 0 and quick-look data sets for LIS shall contain a detached SFDU header.		DADS0 320	functional	SDPS	Each DADS shall verify compliance of scientist provided data with EOSDIS defined standards for metadata and file content (not scientific content).	
TRMM 2050	SDPS	SDPF shall send a notification to the ECS <u>systems at the MSFC DAAC</u> upon availability of LIS Level 0 production or quick-look data.		DADS2 020	functional	SDPS	Each DADS shall have the capability to receive data availability schedules at a minimum, from: a.EDOS b.IPsc c.AD Csd d.ODC e.Other DADS f.TRMM (SDPF)	

TRMM 2060	SDPS CSMS	The ECS <u>systems at the</u> MSFC DAAC shall, after notification by SPDF, retrieve LIS Level 0 production and quick-look data by an agreed upon file transfer protocol.		EOSD16 07	interfa ce	FOS/CS MS	ECS shall receive data from near term Earth Probe missions to include the following as a minimum: a). TRMM data for archive and distribution b). Landsat 7 data for archive and distribution including IGS metadata and browse.	
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TRMM 2070	SDPS	The ECS <u>systems at the</u> MSFC DAAC shall ensure that LIS data has been received and validated.	* flags require ments that support, but do not define, the interface between systems	DADS2 040	function al	SDPS	Each DADS shall insure that data sent by EDOS and SDPF has been received and validated.	
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TRMM 2080	SDPS	The ECS <u>systems at the</u> MSFC DAAC shall acknowledge successful receipt of a LIS data set to the SDPF.		SDPS00 20		SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quick-look data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
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TRMM 2090	SDPS	<u>Upon the ECS operations at the ECS MSFC DAAC, upon discovering an unprocessable data set during validation, the ECS and SDPF personnel shall assess the need with the SPDF for regeneration.</u>		SDPS00 20		SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quick-look data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
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TRMM 2100	NONE	SDPF shall regenerate/reprocess LIS Level 0 data for the <u>ECS systems at the MSFC DAAC</u> , for recovery purposes, as negotiated in order to avoid impacting SDPF support for on-orbit spacecraft.		SDPS00 20		SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quick-look data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
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TRMM 2110	SDPS	SDPF shall provide a LIS Level 0 data set to the ECS <u>systems at the MSFC DAAC</u> once per day within 24 hours of the last acquisition.		EOSD16 07	interfa ce	FOS/CS MS	ECS shall receive data from near term Earth Probe missions to include the following as a minimum: a). TRMM data for archive and distribution b). Landsat 7 data for archive and distribution including IGS metadata and browse.	
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TRMM 2120	SDPS <u>NONE</u>	SDPF shall retain retrieved LIS Level 0 data sets for five (5) days.		SDPS00 20		SDPS <u>NONE</u>	The SDPS shall receive EOS science, engineering, ancillary, and quick-look data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
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TRMM 2130	SDPS	The ECS <u>systems at the</u> MSFC DAAC shall receive LIS scheduled quick-look from SDPF 3 times per day plus occasional special quick-look.		EOSD16 07	interfa ce	FOS/CS MS	ECS shall receive data from near term Earth Probe missions to include the following as a minimum: a). TRMM data for archive and distribution b). Landsat 7 data for archive and distribution including IGS metadata and browse.	
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TRMM 2140	SDPS <u>NONE</u>	A LIS quick-look data set shall contain data received during a single spacecraft contact.		SDPS00 20		SDPS <u>NONE</u>	The SDPS shall receive EOS science, engineering, ancillary, and quick-look data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
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TRMM 2150	SDPS	SDPF shall notify the ECS <u>systems at the</u> MSFC DAAC of availability of a LIS quick-look data set within 2 hours of the end of the acquisition session.		DADS2 020	functional	SDPS	Each DADS shall have the capability to receive data availability schedules at a minimum, from: a.EDOS b.IPsc AD Csd. ODC se.Other DADS f.TRMM (SDPF)	
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TRMM 2160	SDPS	LIS special quick-look data collection and processing shall be scheduled <u>with SDPF by human interaction.</u>		SDPS00 20		SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quick-look data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
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TRMM 2170	SDPS	ECS shall be able to process LIS Level 0 and quick-look data sets in SDPF-defined formats.		DADS0 320	functional	SDPS	Each DADS shall verify compliance of scientist provided data with EOSDIS defined standards for metadata and file content (not scientific content).	
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TRMM 2180	SDPS <u>NONE</u>	SDPF shall retain LIS data for 2 years.		DADS1 450	functional	SDPS <u>NONE</u>	Each DADS shall be capable of screening its archive holdings of Level 1A or Level 0 data, and if a product(s) is found to be lost or unreadable, generate a request for a replacement product from EDOS, dispatch the request, and ingest the replacement product.	
<u>TRMM 2185</u>	<u>SDPS</u>	<u>SDPF shall send a notification to the ECS systems at the MSFC DAAC upon availability of predictive or definitive orbit data.</u>		<u>DADS2 020</u>	<u>functional</u>	<u>SDPS</u>	<u>Each DADS shall have the capability to receive data availability schedules at a minimum, from: a.EDOS b.IPsc c.AD Csd. d.ODC e.Other DADS f.TRMM (SDPF)</u>	
TRMM 2190	SDPS	The ECS <u>systems at the MSFC DAAC</u>		IMS- 0510	interface	SDPS	The IMS shall provide tools for research	

				ICC-7220	functional	FOS	The IST shall have the capability to request and accept from the ICC planning and scheduling information, which includes, at a minimum, the following: a.LTS P and LTIP goals and priorities b.Current resource availability information c.Current predicted orbit data and related information d.Plans and schedules	
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TRMM 2200	SDPS	ECS <u>systems at the</u> MSFC DAAC shall ingest definitive orbit data from the SDPF.		EOC-2010	functional	FOS	The EOC shall accept from the FDF planning and scheduling information for the EOS spacecraft and instruments, which includes, at a minimum, the following: a. Predicted orbit data including predicted ground track b. EOS spacecraft UAV data c. PSAT d. Spacecraft maneuver information	
57				IMS-0510	interface	SDPS	The IMS shall provide tools for research planning and data search, to include at a minimum: a. Data acquisition schedules and plans b. The capability to	

TRMM 2210	SDPS	ECS shall archive definitive orbit for LIS reprocessing of Level 1A data in case of data loss.	* flags require ments that support, but do not define, the interface between systems	DADS0 475	functional	SDPS	The DADS shall provide storage for the following TRMM data: a. L0-L4 equivalent data products b. Associated correlative data sets c. Associated ancillary data sets d. Associated calibration data sets e. Associated metadata f. Documents g. Algorithms.
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				SDPS00 80		SDPS	The SDPS shall archive, manage, quality check, and account for all science and ancillary data received from the IPs, the EPDSs, the SCFs, the ADCs, the ODCs, other DAACs, PIs and the other EOS science users.	
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				EOSD1607	interface	FOS/CSMS	ECS shall receive data from near term Earth Probe missions to include the following as a minimum:— a). TRMM data for archive and distribution b). Landsat 7 data for archive and distribution including IGS metadata and browse.	
TRMM 2220	SDPS	The LIS science team and instrument team shall define the ancillary, correlative, and flight dynamics data and algorithms needed for their processing.	* flags requirements that support, but do not define, the interface between systems	EOSD1750	interface	CSMS	ECS elements shall receive data including the following types of supporting information from the ECS science community (TLs, TMs, PIs, and Co-Is):a.Algorithms b.Software fixesc.Instrument calibration datad.Integratio	

TRMM 2230	SDPS	The LIS instrument team and science team shall provide the quick-look data processing algorithms and quick-look operations concept needed for LIS.	* flags require ments that support, but do not define, the interface between systems	EOSD17 50	interfa ce	CSMS	ECS elements shall receive data including the following types of supporting information from the ECS science community (TLs, TMs, PIs, and Co-Is): a. Algorithms b. Software fixes c. Instrument calibration data d. Integration support requests e. Meta data for Special Products archiving f. Data transfer requests (inventories, directories, and browse) g. Data Quality/Instrument assessment h. Instrument operations information i. Ancillary data
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TRMM 2240	SDPS	The ECS MSFC DAAC shall produce standard products for the LIS instrument and perform quality control for ECS-developed products.	* flags require ments that support, but do not define, the interface between systems	PGS-1200	functional	SDPS	The PGS shall have the capability to generate a data quality assessment report including a description of the quality of each processed product as well as the quality of each of the product's input data sets.	
				SDPS0080		SDPS	The SDPS shall archive, manage, quality check, and account for all science and ancillary data received from the IPs, the EPDSs, the SCFs, the ADCs, the ODCs, other DAACs, PIs and the other EOS science users.	

				SDPS00 30		SDPS	The SDPS shall produce Standard Products (as listed in Appendix C, including prototype products on a time-available basis) for EOS instruments based on the algorithms source code and calibration coefficients supplied by EOS scientists.	
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				DADS0 290	functional	SDPS	Each DADS shall check all metadata and data it receives. For each type of data described by the metadata, the data shall be checked for the presence of required fields, error-free input, correctness of the data set granule size, and other checks as required.	
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				IMS-1700	functional	SDPS	The IMS shall provide the capability to generate reports on: a. The backlog of data distribution requests b. The backlog of processing requests c. The backlog of data acquisition requests d. Data quality assessments e. Daily IMS operations summaries f. IMS performance summaries	Deleted 1472 L2 trace. DV
				SMC-8800	functional	CSMS	The SMC shall have the capability to generate detailed and summary reports indicating the overall performance of the ECS. At a minimum, they shall	Deleted 1469 L2 trace. DV

TRMM 2250	SDPS	LIS standard products developed at the ECS MSFC DAAC shall be archived at the ECS MSFC DAAC.	* flags requirements that support, but do not define, the interface between systems	DADS0 475	functional	SDPS	The DADS shall provide storage for the following TRMM data: a. L0-L4 equivalent data products b. Associated correlative data sets c. Associated ancillary data sets d. Associated calibration data sets e. Associated metadata f. Documents g. Algorithms.
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				SDPS00 80		SDPS	The SDPS shall archive, manage, quality check, and account for all science and ancillary data received from the IPs, the EPDSs, the SCFs, the ADCs, the ODCs, other DAACs, PIs and the other EOS science users.	
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				EOSD1607	interfa ce	FOS/CS MS	ECS shall receive data from near term Earth Probe missions to include the following as a minimum: a). TRMM data for archive and distribution b). Landsat 7 data for archive and distribution including IGS metadata and browse.	
TRMM 2260	SDPS	The ECS MSFC DAAC and SPDF shall support TRMM end-to-end testing 9 months before TRMM launch.		EOSD0760	functio nal	FOS/SD PS/CS MS	Each ECS element shall support end-to-end EOS system testing and fault isolation.	

TRMM 2270	SDPS	ECS shall be able to accept LIS simulated data from SDPF.		IMS- 1130	function al	SDPS	The IMS shall provide descriptive information on instruments and parameters available in Standard Products to help with the creation of data acquisition requests.	
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TRMM 2280	SDPS CSMS	The interfaces between TRMM and ECS shall make appropriate use of standards for data structures and data transport as defined for use within the publications of CCSDS and ISO/OSI, and shall use COTS hardware and software products as appropriate.		ESN- 0003	functional	CSMS	The ESN shall enable researchers on existing networks (TCP/IP and GOSIP) to gain access to data and ECS services in a transparent manner to the underlying differences between the networks.	
				ESN- 1340	functional	CSMS	The ESN shall provide support for TCP/IP communications protocols and services to external interfaces as required by the IRDs.	

				ESN-1330	functional	CSMS	The ESN shall provide ISO/OSI data communications protocols and services specified in the GOSIP (see Figure 8-3) to external interfaces as required by the IRDs.	
TRMM 3010	SDPS	The ECS <u>systems at the MSFC DAAC</u> shall ingest <u>TRMM standard products</u> (Level 1A - 3B) data for PR and TMI from TSDIS.		EOSD1608	interface	FOS/CSMS	ECS elements shall receive from EPDSs the following at a minimum: a. Data products b. Ancillary data c. Calibration data d. Correlative data e. Metadata f. Data information g. Documentation	

				SDPS00 20		SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quick-look data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
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				EOSD16 07	interfa ce	FOS/CS MS	ECS shall receive data from near term Earth Probe missions to include the following as a minimum: a). TRMM data for archive and distribution b). Landsat 7 data for archive and distribution including IGS metadata and browse.	
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TRMM 3020	SDPS	The ECS MSFC DAAC shall ingest TRMM standard products (Level 1B-3B) for PR, and TMI from TSDIS.		EOSD16 08	interfa ce	FOS/CS MS	ECS elements shall receive from EPDSs the following at a minimum: a. Data products b. Ancillary data c. Calibration data d. Correlative data e. Metadata f. Data information g. Documentation	
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				EOSD16 07	interfa ce	FOS/CS MS	ECS shall receive data from near term Earth Probe missions to include the following as a minimum: a). TRMM data for archive and distribution b). Landsat 7 data for archive and distribution including IGS metadata and browse.	
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				SDPS00 20		SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quick-look data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
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TRMM 3030	SDPS	The ECS <u>systems at the</u> MSFC DAAC shall ingest TRMM browse products for <u>PR, and TMI, and GV</u> from TSDIS.		EOSD16 07	interfa ce	FOS/CS MS	ECS shall receive data from near term Earth Probe missions to include the following as a minimum: a). TRMM data for archive and distribution b). Landsat 7 data for archive and distribution including IGS metadata and browse.	
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TRMM 3040	SDPS	The ECS <u>systems at the</u> MSFC DAAC shall ingest algorithms and documentation for PR and TMI from TSDIS.		EOSD16 08	interfa ce	FOS/CS MS	ECS elements shall receive from EPDSs the following at a minimum: a.Data products b.Ancillary data c.Calibration data d.Correlative data e.Metadata f.Data information g.Documentation	
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				SDPS00 20		SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quick-look data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
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				EOSD16 07	interfa ce	FOS/CS MS	ECS shall receive data from near term Earth Probe missions to include the following as a minimum: a). TRMM data for archive and distribution b). Landsat 7 data for archive and distribution including IGS metadata and browse.	
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TRMM 3050	SDPS	The ECS <u>systems at the</u> MSFC DAAC shall ingest TRMM Ground Validation (GV) data products and associated metadata from TSDIS.		EOSD16 08	interfa ce	FOS/CS MS	ECS elements shall receive from EPDSs the following at a minimum: a. Data products b. Ancillary data c. Calibration data d. Correlative data e. Metadata f. Data information g. Documentation	
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				SDPS00 20		SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quick-look data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
				EOSD17 50	interfa ce	CSMS	ECS elements shall receive data including the following types of supporting information from the ECS science community (TLs, TMs, PIs, and Co-Is):a.Algorithms	

TRMM 3060	SDPS	The PR, TMI, and GV data ingested from TSDIS by ECS shall be archived <u>in the ECS systems</u> at the ECS- MSFC DAAC.	* flags require ments that support, but do not define, the interface between systems	DADS0 475	functional	SDPS	The DADS shall provide storage for the following TRMM data:a.L0-L4 equivalent data productsb.Associated correlative data setsc.Associated ancillary data setsd.Associated calibration data setse.Associated metadataf.Docu mentsg.Algorith ms.	
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				EOSD16 07	interfa ce	FOS/CS MS	ECS shall receive data from near term Earth Probe missions to include the following as a minimum: a). TRMM data for archive and distribution b). Landsat 7 data for archive and distribution including IGS metadata and browse.	
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				SDPS0080		SDPS	The SDPS shall archive, manage, quality check, and account for all science and ancillary data received from the IPs, the EPDSs, the SCFs, the ADCs, the ODCs, other DAACs, PIs and the other EOS science users.	
TRMM 3070	SDPS	The ECS <u>systems at the MSFC DAAC</u> shall ingest TRMM data files and data products, including metadata, daily.		DADS2020	functional	SDPS	Each DADS shall have the capability to receive data availability schedules at a minimum, from: a.EDOS b.IPsc c.AD Csd d.ODC e.Other DADS f.TRMM (SDPF)	

TRMM 3080	SDPS	TSDIS shall electronically provide a schedule of TRMM product delivery to the ECS <u>systems at the</u> MSFC DAAC.		DADS2 020	functional	SDPS	Each DADS shall have the capability to receive data availability schedules at a minimum, from: a.EDOSb.IPsc.AD Csd.ODCse.Other DADSf.TRMM (SDPF)
TRMM 3090	SDPS	TSDIS shall electronically provide status information to the ECS <u>systems at the</u> MSFC DAAC about delayed products.		DADS2 020	functional	SDPS	Each DADS shall have the capability to receive data availability schedules at a minimum, from: a.EDOSb.IPsc.AD Csd.ODCse.Other DADSf.TRMM (SDPF)

TRMM 3100	SDPS	ECS shall make daily deliveries of an average of 2-days worth of archived TRMM PR, TMI, GV, and SSM/I ancillary data to TSDIS for the purpose of reprocessing by TSDIS. ECS also shall daily ingest an average of 2-days worth of reprocessed data from TSDIS.		EOSD16 07	interfa ce	FOS/CS MS	ECS shall receive data from near term Earth Probe missions to include the following as a minimum: a). TRMM data for archive and distribution b). Landsat 7 data for archive and distribution including IGS metadata and browse.	
TRMM 3110	SDPS	TRMM shall make a standing order to ECS for SSM/I data to be delivered from the ECS <u>systems at the</u> MSFC DAAC to TSDIS.		IMS- 1072	functio nal	SDPS	The IMS shall provide the capability for users to construct a Product Processing Order associated with a Data Acquisition Request.	

TRMM 3120	CSMS	Communications between TSDIS and the ECS MSFC DAAC to transport the PR, TMI, and GV Level 1A data, Level 1B-3B standard products, metadata, SSM/I ancillary data, algorithms, and documentation shall be provided by ESDIS.		ESN-0080	functional	CSMS	The ESN shall provide internal communications interfaces to GFE circuits provided by PSCN which link to: a. Specified ADCs b. Selected SCFs c. Selected EPDSs (Landsat-7, TRMM) d. Selected ISTs	Deleted 604 L2 trace. DV
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TRMM 3130	SDPS	All data transferred between TSDIS and the ECS <u>systems at the MSFC DAAC</u> , including GV, shall follow ESDIS-defined standards with specific product formats to be jointly agreed to and documented in ICDs.		DADS0 320	functional	SDPS	Each DADS shall verify compliance of scientist provided data with EOSDIS defined standards for metadata and file content (not scientific content).	
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TRMM 3140	SDPS CSMS	The interfaces between TRMM and ECS shall make appropriate use of standards for data structures and data transport as defined for use within the publications of CCSDS and ISO/OSI, and shall use COTS hardware and software products as appropriate.		ESN- 0003	functional	CSMS	The ESN shall enable researchers on existing networks (TCP/IP and GOSIP) to gain access to data and ECS services in a transparent manner to the underlying differences between the networks.	
				ESN- 1340	functional	CSMS	The ESN shall provide support for TCP/IP communications protocols and services to external interfaces as required by the IRDs.	

				ESN-1330	functional	CSMS	The ESN shall provide ISO/OSI data communications protocols and services specified in the GOSIP (see Figure 8-3) to external interfaces as required by the IRDs.	
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TRMM 4010	SDPS	The ECS <u>systems at the GSFC DAAC</u> shall ingest <u>TRMM standard products (Level 1A - 3B)</u> data for VIRS from TSDIS.		SDPS00 20		SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quick-look data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
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				EOSD16 07	interfa ce	FOS/CS MS	ECS shall receive data from near term Earth Probe missions to include the following as a minimum: a). TRMM data for archive and distribution b). Landsat 7 data for archive and distribution including IGS metadata and browse.	
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TRMM 4020	SDPS	The ECS GSFC DAAC shall ingest TRMM standard products Level 1B-3B for VIRS from TSDIS.		EOSD16 08	interfa ce	FOS/CS MS	ECS elements shall receive from EPDSs the following at a minimum: a. Data products b. Ancillary data c. Calibration data d. Correlative data e. Metadata f. Data information g. Documentation	
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				SDPS00 2.0		SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quick-look data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
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TRMM 4030	SDPS	The ECS <u>systems at the</u> GSFC DAAC shall ingest TRMM browse products for VIRS from TSDIS.		EOSD16 08	interfa ce	FOS/CS MS	ECS elements shall receive from EPDSs the following at a minimum: a.Data products b.Ancillary data c.Calibration data d.Correlative data e.Metadata f.Data information g.Documentation	
TRMM 4040	SDPS	The ECS <u>systems at the</u> GSFC DAAC shall ingest from TSDIS algorithms and documentation for VIRS.		EOSD16 08	interfa ce	FOS/CS MS	ECS elements shall receive from EPDSs the following at a minimum: a.Data products b.Ancillary data c.Calibration data d.Correlative data e.Metadata f.Data information g.Documentation	

				SDPS00 20		SDPS	The SDPS shall receive EOS science, engineering, ancillary, and quick-look data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	Deleted 604 L2 trace. DV
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TRMM 4050	SDPS	The VIRS data ingested from TSDIS by ECS shall be archived at the ECS systems at the GSFC DAAC .		DADS0 475	functional	SDPS	The DADS shall provide storage for the following TRMM data: a.L0-L4 equivalent data products b.Associated correlative data sets c.Associated ancillary data sets d.Associated calibration data sets e.Associated metadata f.Documents g.Algorithms.	
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				SDPS00 80		SDPS	The SDPS shall archive, manage, quality check, and account for all science and ancillary data received from the IPs, the EPDSs, the SCFs, the ADCs, the ODCs, other DAACs, PIs and the other EOS science users.	
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				EOSD16 07	interfa ce	FOS/CS MS	ECS shall receive data from near term Earth Probe missions to include the following as a minimum: a). TRMM data for archive and distribution b). Landsat 7 data for archive and distribution including IGS metadata and browse.	
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TRMM 4060	SDPS	The ECS <u>systems at the</u> GSFC DAAC shall ingest TRMM data files and data products, including metadata, daily.		EOSD16 08	interfa ce	FOS/CS MS	ECS elements shall receive from EPDSs the following at a minimum: a.Data products b.Ancillary data c.Calibration data d.Correlative data e.Metadata f.Data information g.Documentation	
TRMM 4070	SDPS	TSDIS shall electronically provide a schedule of TRMM product delivery to the ECS <u>systems at the</u> GSFC DAAC.		DADS2 020	functio nal	SDPS	Each DADS shall have the capability to receive data availability schedules at a minimum, from: a.EDOS b.IPsc c.ADCsd d.ODC e.Other DADS f.TRMM (SDPF)	

TRMM 4080	SDPS	TSDIS shall electronically provide status information to the ECS <u>systems</u> <u>at the</u> GSFC DAAC about delayed products.		DADS2 020	functional	SDPS	Each DADS shall have the capability to receive data availability schedules at a minimum, from: a.EDOSb.IPsc.AD Csd.ODCse.Other DADSf.TRMM (SDPF)	
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TRMM 4090	SDPS	ECS shall make daily deliveries of an average of 2-days worth of archived TRMM VIRS and AVHRR, GOES Precipitation Index (GPI), Global Precipitation Climatology Project (GPCP), and National Meteorological Center (NMC) ancillary data to TSDIS for the purpose of reprocessing by TSDIS. ECS shall also daily ingest an average of 2-days worth of reprocessed data from TSDIS.		EOSD16 07	interfa ce	FOS/CS MS	ECS shall receive data from near term Earth Probe missions to include the following as a minimum: a). TRMM data for archive and distribution b). Landsat 7 data for archive and distribution including IGS metadata and browse.	
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TRMM 4100	SDPS	TSDIS shall make a standing order to ECS for AVHRR, GPI, GPCP, and NMC <u>systems at the</u> ancillary data to be delivered from the ECS GSFC DAAC to TSDIS.		IMS-1072	functional	SDPS	The IMS shall provide the capability for users to construct a Product Processing Order associated with a Data Acquisition Request.	
TRMM 4110	CSMS	Communications between TSDIS and the ECS GSFC DAAC to transport the VIRS Level 1A data, Level 1B-3B standard products, metadata, AVHRR, GPI, GPCP, and NMC ancillary data, and algorithms and documentation shall be provided by ESDIS.		ESN-0005	functional	CSMS	The ESN internal networks shall be dedicated networks linking ECS facilities for internal ECS operations (e.g., scheduling, product generation, QA validation).	

TRMM 4120	CSMS	TSDIS and ECS shall each provide an interface to the GSFC local area network.		ESN-0080	functional	CSMS	The ESN shall provide internal communications interfaces to GFE circuits provided by PSCN which link to: a. Specified ADCs b. Selected SCFsc. c. Selected EPDSs (Landsat-7, TRMM) d. Selected ISTs	Deleted 604 L2 trace. DV
TRMM 4130	SDPS	All data transferred between TSDIS and the ECS <u>systems at the</u> GSFC DAAC shall follow ESDIS-defined standards, with specific product formats to be jointly agreed to and documented in ICDs.		DADS0320	functional	SDPS	Each DADS shall verify compliance of scientist provided data with EOSDIS defined standards for metadata and file content (not scientific content).	

TRMM 4140	SDPS CSMS	The interfaces between TRMM and ECS shall make appropriate use of standards for data structures and data transport as defined for use within the publications of CCSDS and ISO/OSI, and shall use COTS hardware and software products as appropriate.		ESN- 0003	functional	CSMS	The ESN shall enable researchers on existing networks (TCP/IP and GOSIP) to gain access to data and ECS services in a transparent manner to the underlying differences between the networks.	
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				ESN-1330	functional	CSMS	The ESN shall provide ISO/OSI data communications protocols and services specified in the GOSIP (see Figure 8-3) to external interfaces as required by the IRDs.	
				ESN-1340	functional	CSMS	The ESN shall provide support for TCP/IP communications protocols and services to external interfaces as required by the IRDs.	

TRMM 5010	SDPS	ECS shall ingest TRMM metadata, and browse from TSDIS along with the TRMM standard products in the ECS format.		EOSD16 08	interfa ce	FOS/CS MS	ECS elements shall receive from EPDSs the following at a minimum: a.Data products b.Ancillary data c.Calibration data d.Correlative data e.Metadata f.Data information g.Documentation	
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				EOSD1607	interface	FOS/CSMS	ECS shall receive data from near term Earth Probe missions to include the following as a minimum: a). TRMM data for archive and distribution b). Landsat 7 data for archive and distribution including IGS metadata and browse.	
				DADS0320	functional	SDPS	Each DADS shall verify compliance of scientist provided data with EOSDIS defined standards for metadata and file content (not scientific content).	

TRMM 5020	SDPS	Availability of TRMM data products (PR, VIRS, TMI, and GV) shall be based on the TSDIS product schedule, and an electronic status mechanism shall be available for late products.		DADS2 020	function al	SDPS	Each DADS shall have the capability to receive data availability schedules at a minimum, from: a.EDOS b.IPsc c.AD Csd. d.ODC e.Other DADS f.TRMM (SDPF)	
TRMM 5030	SDPS	ECS shall have the capability to ingest directory and guide information from TSDIS.		EOSD16 08	interfa ce	FOS/CS MS	ECS elements shall receive from EPDSs the following at a minimum: a.Data products b.Ancillary data c.Calibration data d.Correlative data e.Metadata f.Data information g.Documentation	

				EOSD1607	interface	FOS/CSMS	ECS shall receive data from near term Earth Probe missions to include the following as a minimum: a). TRMM data for archive and distribution b). Landsat 7 data for archive and distribution including IGS metadata and browse.	
				DADS0320	functional	SDPS	Each DADS shall verify compliance of scientist provided data with EOSDIS defined standards for metadata and file content (not scientific content).	

TRMM 5040	SDPS	ECS shall have the capability to archive and distribute standard TRMM data files and products (including VIRS, PR and TMI data, metadata, GV data, algorithms and documentation) as provided and produced by TSDIS and the TRMM Science Team.		EOSD16 07	interfa ce	FOS/CS MS	ECS shall receive data from near term Earth Probe missions to include the following as a minimum: a). TRMM data for archive and distribution b). Landsat 7 data for archive and distribution including IGS metadata and browse.	
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TRMM 5050	NONE	TRMM shall support maintenance of a TRMM user model for use in the overall ECS user model.		IMS- 0050	function al	SDPS	The IMS shall provide the capability for users to define and modify user profile information, to include at a minimum: a. User electronic address b. Data distribution media c. Data distribution address d. User expertise level e. Default query parameters f. Terminal characteristics g. Technical specialty.	
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TRMM 5060	SDPS	ECS shall provide standard information management functions for browse, and order of data and products provided by TSDIS and delivered to the MSFC and GSFC DAACs (including VIRS, PR and TMI data, metadata, GV data, TRMM Science Team algorithms and documentation).		IMS-0740	functional	SDPS	The IMS shall provide the capability for users to generate and update requests for one-time orders or standing orders for the DADS to distribute DADS archive holdings to include, at a minimum, Standard Products, Standard Product software, EOC historical data, spacecraft housekeeping and ancillary data, and engineering data.	
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TRMM 5070	SDPS	ECS will continue to archive original TRMM standard products (Level 1B-3) after reprocessing for 6 months, after which the products will become eligible for deletion.		EOSD16 08	interfa ce	FOS/CS MS	ECS elements shall receive from EPDSs the following at a minimum: a.Data products b.Ancillary data c.Calibration data d.Correlative data e.Metadata f.Data information g.Documentation	
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TRMM 5080	SDPS	The ECS shall notify TRMM Science Team (TST) members when a TRMM product has been reprocessed and therefore will become eligible for deletion. The product eligible for deletion shall be deleted after 6 months unless the ECS is directed otherwise by appropriate authority.	* flags require ments that support, but do not define, the interface between systems	DADS0 475	functional	SDPS	The DADS shall provide storage for the following TRMM data: a. L0-L4 equivalent data products b. Associated correlative data sets c. Associated ancillary data sets d. Associated calibration data sets e. Associated metadata f. Documents g. Algorithms.	
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				EOSD16 07	interfa ce	FOS/CS MS	ECS shall receive data from near term Earth Probe missions to include the following as a minimum:— a). TRMM data for archive and distribution b). Landsat 7 data for archive and distribution including IGS metadata and browse.	
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				SDPS00 80		SDPS	The SDPS shall archive, manage, quality check, and account for all science and ancillary data received from the IPs, the EPDSs, the SCFs, the ADCs, the ODCs, other DAACs, PIs and the other EOS science users.	
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TRMM 5090	SDPS	ECS shall provide standard information management services for browse and order of CERES and LIS standard products, flight dynamics information, algorithms, and documentation developed from the CERES and LIS data.		IMS-0740	functional	SDPS	The IMS shall provide the capability for users to generate and update requests for one-time orders or standing orders for the DADS to distribute DADS archive holdings to include, at a minimum, Standard Products, Standard Product software, EOC historical data, spacecraft housekeeping and ancillary data, and engineering data.	
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TRMM 5100	SDPS	ECS shall provide products status for TRMM products to users based upon ECS holdings. Status also shall be based on the TRMM schedule provided electronically by TSDIS and an interactive status mechanism for late products.		DADS2 020	functional	SDPS	Each DADS shall have the capability to receive data availability schedules at a minimum, from: a.EDOS b.IPsc c.AD d.Csd e.ODC f.Other g.TRMM (SDPF)	
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TRMM 5110	NONE	The ECS MSFC and LaRC DAACS shall be responsible for providing science expertise to advise researchers on the use of CERES and LIS data.	* flags require ments that support, but do not define, the interface between systems	EOSD17 03	interfa ce	CSMS	ECS shall provide maintenance and operations interfaces to the DAACs to support the functions of: a). System Management b). Science Algorithm Integration c). Product Generation d). Data Archive/Distribution e). User Support Services f). System Maintenance	
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TRMM 5120	NONE	The TRMM Science Team shall be responsible for providing science expertise to advise researchers on the use of TRMM (PR, TMI, VIRS, and GV) data.	* flags requirements that support, but do not define, the interface between systems	EOSD17 03	interfa ce	CSMS	ECS shall provide maintenance and operations interfaces to the DAACs to support the functions of: a). System Management b). Science Algorithm Integration c). Product Generation d). Data Archive/Distribution e). User Support Services f). System Maintenance	
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TRMM 8010	SDPS CSMS	TRMM shall manage, and ESDIS shall support, the TRMM end-to-end system testing of the interfaces between ECS and TRMM.		EOSD0510	functional	FOS/SDPS	ECS shall be capable of being tested during all phases of its development and flight operations.	
				EOSD0760	functional	FOS/SDPS/CSMS	Each ECS element shall support end-to-end EOS system testing and fault isolation.	
<u>TRMM 8020</u>	<u>NONE</u>	<u>ESDIS shall support testing, fault isolation, verification, and validation of the interfaces with the TRMM end-to-end ground system.</u>						

<u>TRMM 8030</u>	<u>NONE</u>	<u>The TRMM I&T Program shall develop an overall ground segment integration and test plans and procedures.</u>						
<u>TRMM 8031</u>	<u>NONE</u>	<u>ESDIS shall develop test plans and procedures in support of the development, verification and testing of the interfaces with the TRMM ground system.</u>						

<u>TRMM 8040</u>	<u>NONE</u>	<u>ESDIS shall support TRMM development of test plans and procedures in support of the development, verification and testing of the interfaces between with the TRMM ground system and ECS.</u>						
<u>TRMM 8050</u>	<u>NONE</u>	<u>The TSDIS elements shall support integration and test activities defined in the TRMM overall ground segment integration and test plans and procedures.</u>						

<u>TRMM 8060</u>	<u>SDPS</u>	<u>ECS shall archive and distribute TRMM test plans and procedures for the interface between ECS and the TRMM ground system including TSDIS.</u>						
<u>TRMM 8071</u>	<u>SDPS</u>	<u>ECS shall support all dataflows and archival and distribution functionality for integration and test with the TRMM ground system.</u>						
<u>TRMM 8080</u>	<u>SDPS</u>	<u>ECS shall support TRMM Mission Simulation #1.</u>						
<u>TRMM 8081</u>	<u>SDPS</u>	<u>ECS shall support TRMM Mission Simulation #2.</u>						

<u>TRMM 8090</u>	<u>SDPS</u>	<u>ECS shall archive and distribute TRMM algorithms and documentation in support of test and integration of interfaces with TSDIS.</u>						
<u>TRMM 8100</u>	<u>SDPS</u>	<u>ECS shall process CERES and LIS Level 0 and quick-look data sets received from SDPF for early interface testing.</u>						

<u>TRMM 8110</u>	<u>SDPS</u>	<u>The TSDIS elements shall be capable of processing simulated TRMM instrument data in support of pre launch checkout of the interfaces with ECS.</u>						
<u>TRMM 8120</u>	<u>NONE</u>	<u>SDIS shall coordinate provision of LIS and CERES simulated instrument data and instrument data parameters to SDPF in support of integration and test.</u>						