BELOW FIND TABLES 1, 2, 3 AND 4 INCLUDING ALL CHANGES TO 95-0716

95-0716D Changes include:

1) add SDPS0110, which was modified in CH10, but left off original CCR-0716

2) replace erroneous reference to DADS1030#A and DADS1030#B with EOSD1030#A and EOSD1030#B instead in Table 2

3) add SDPS0150#A and SDPS0150#B in Table 2 and 3

4) add DADS1235#B and eliminate DADS1235#A in Table 2 and 3

5) add Table 4 which indicates L4 requirements changes and links

6) add DADS1235#A in Table 2 and 3 and link L4s to this RBR

Table 1

req_id	segment_ allocation	text	req_type	req_statu s	req_sour ce

DADS1235	SDPS	Each DADS shall temporarily store expedited data received for 48 hours or until production data are available (whichever comes first).	performance/fun	approved c t i o n a l	original

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Table 1 continued

L3_FPRS MAIN 9/19	req_key	text
~~DADS3115~~	~~839~~	~~_Each DADS shall be capable of making quick-look products available for distribution within 1 minute of receipt from the PGS.~~
~~SDPS0160~~	~~546~~	~~_The SDPS shall have the capability of generating quick-look products within 1 hour of receipt of the necessary input data for 1% of the EOS instrument data requiring processing capacity of no more than 1% of the processing requirement for the equivalent standard product.~~

DADS0120	655	_Each DADS shall receive from the PGS, at a minimum, the following: a._L1-4 products ~~b._Quick-look products~~ b. (DELETED) c._Metadata d._Calibration e._Algorithms f._Schedule g._Status
DADS0130	656	_Each DADS shall receive from the EDOS and SDPF, at a minimum, the following: a._Production data (L0) ~~b._Quick-look data~~ b. Expedited data
DADS0475	691	_The DADS shall provide storage for the following TRMM data: a._L~~0~~1A-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.
DADS1970	778	_Each DADS shall access from the SMC, via the system database, the product thread information for each standard ~~and quick-look~~ product generated by EOSDIS.

DADS2330	1388	_Each DADS shall send to the PGS, at a minimum, the following: a._Production data (L0) received from EDOS b._L0-L4 ~~c._Quick-look data~~ c. (DELETED) d._Metadata e._Ancillary data f._Calibration data g._Algorithms h._Schedules i._Status j._Spacecraft and instrument logs k._Special data sets l._Non-EOS science data from ADCs/ODCs
~~DADS2350~~	809	~~_Each DADS shall send to the ICC, at a minimum, processed quick-look products.~~
DADS2380	812	_Each DADS shall send to the SCF, at a minimum, the following: a._L0-L4 b. Expedited data ~~b~~ c._Special products (L1-L4) ~~c~~ d._Metadata ~~d~~ e._Ancillary data ~~e~~ f._Calibration data ~~f~~ g._Correlative data ~~g~~ h._Documents ~~h~~ i._Algorithms
DADS2440	816	_Each DADS shall distribute data under a multi-level priority system. For example: a._~~Quick-look data~~ Expedited data b._QA data c._Data products requested by standing order d._Data products requested retrospectively.

EOSD1030	25	_ECS shall have the capacity to accept a daily average of ~~five~~ two (5 2) percent of the daily data throughput as ~~quick-look data for use in mission operations~~ expedited data for use in mission functions of calibration and anomalies.
EOSD1502	38	_ECS elements shall use Ecom for data communications for the following types of data: a._Production data sets (Level 0 data) ~~b._Quick-look production data sets~~ b. Expedited data sets c._Real-time data (for health and safety) d._Command data e._Data requested from back-up archive f._TDRSS schedule requests g._Data exchange with the FDF _
ESN-0210	1191	_The ESN management function shall have a capability to obtain status on specific data flows, such as ~~quick-look~~ expedited data products, to assure the successful operation of ESN.
PGS-0458	1329	_The PGS shall use configuration-controlled calibration coefficients and selected engineering data to generate calibrated ancillary data products necessary as input to the generation of Level 1 Standard Products in a timeframe that assures that production schedules for all products ~~including quick-look~~ can be met.
~~PGS-0530~~	~~1333~~	~~(_The PGS shall generate quick-look products in support of field experiments, event monitoring, and instrument monitoring using algorithms and calibration coefficients provided by the scientists.~~
~~PGS-1260~~	~~1308~~	~~_The PGS shall send the DADS quick-look products.~~

PGS-1300	1312	_Each PGS shall provide a processing capacity four times the size necessary to process all EOS science data for which it is responsible, including interdisciplinary investigator processing. It shall be possible to effectively utilize the entire reprocessing capacity at each site on computers with similar architectural design (e.g., parallel processors), for a single algorithm or any mix of algorithms normally run at that site. The four times processing capacity accounts for: a._1 times to allow for normal processing demands b._2 times to allow for reprocessing demands c._1 times to allow for algorithm integration and test demands, production of prototype products, ad hoc processing for "dynamic browse" or new search techniques developed by science users, ~~quick-look processing~~, and additional loads due to spacecraft overlap.
SDPS0020	523	_The SDPS shall receive EOS science, engineering, ancillary, and ~~quick-look~~ <u>expedited</u> data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, <u>associated</u> algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.
~~SDPS0040~~	~~530~~	~~_The SDPS shall generate quick-look products for use by the operational staff residing at ICCs, the PIs, and other science users.~~

SDPS0150	545	The SDPS shall assign priority and distribute expedited data and expedited data availability notices. ~~The SDPS shall have the capability of generating quick-look products within 6 hours of receipt of the necessary input data for 10% of the EOS instrument data requiring processing capacity of no more than 10% of the processing requirement for the equivalent standard product.~~
SMC-8820	1123	The SMC shall have the capability to generate detailed and summary reports indicating the product generation status ~~made~~ in processing, reprocessing, and storage of all standard products. ~~and in processing quick-look data.~~

Table 2 (addition)s

paragraph_id	requirement_key	text	req_interpretation	functionality_status
DADS2380#A	480	Each DADS shall send to the SCF, at a minimum, the following: a. L0-L4 b. Expedited data ~~b.~~ c. ~~Special products (L1-L4)~~ ~~c.~~ d. Metadata d. e. Ancillary data ~~e.~~ f. Calibration data ~~f.~~ g. Correlative data ~~g.~~ h. Documents ~~h.~~ i. Algorithms		~~fully met~~ partial functionality
DADS2380#B	481	Each DADS shall send to the SCF, at a minimum, the following: a. L0-L4 b. Expedited data ~~b.~~ c. Special products (L1-L4) ~~c.~~ d. Metadata ~~d.~~ e. Ancillary data ~~e.~~ f. Calibration data ~~f.~~ g. Correlative data ~~g.~~ h. Documents ~~h.~~ i. Algorithms		~~no new functionality~~ all functionality complete

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Legend: (**) = delete imbedded carriage return in text field

Table 2

req_id	release	segment_allocation	text	req_interpretation	req_type	req_status	req_source	functionality_status	s_verification_method	a_verification_method

DADS1235#A	A	SDPS	Each DADS shall temporarily store expedited data received for 48 hours or until production data are available (whichever comes first).	At Release A, expedited data will be stored. The mechanism to automatically delete it after 48 hours or when production data are available will not be available until Release B.	performance/functional	approv	original	partial functionality	tested	test

DADS1235#B	B	SDPS	Each DADS shall temporarily store expedited data received for 48 hours or until production data are available (whichever comes first).		performance/functional	approv	original	all functionality complete	tested	test
SDPS0150#A	A	SDPS	The SDPS shall assign priority and distribute expedited data and expedited data availability notices.	For TRMM only	functional	approv	original	all functionality complete	tested	test
SDFPS0150#B	B	SDPS	The SDPS shall assign priority and distribute expedited data and expedited data availability notices.	For TRMM only	functional	approv	original	all functionality complete	tested	test

EOSD1030#A	A	SDPS	ECS shall have the capacity to accept a daily average of (2) per cent of the daily data throughput as expedited data for use in mission functions of calibration and anomalies.	For TRMM only	performance/functional	approv	original	partial functionality	tested	test
EOSD1030#B	B	SDPS	ECS shall have the capacity to accept a daily average of (2) per cent of the daily data throughput as expedited data for use in mission functions of calibration and anomalies	For AM-1 and TRMM only	performance/functional	approv	original	all functionality complete	tested	test

Table 2					
paragraph_id	**requirement key**	**release**	**segment_allocation**	**text**	**req_interpretation**
DADS0120#A	3427	A	SDPS	Each DADS shall receive from the PGS, at a minimum, the following: a. L1-4 products ~~b. Quick-look products~~ b. (DELETED) c. Metadata d. Calibration e. Algorithms f. Schedule g. Status	A: TRMM data described in the Data Type Matrix.
DADS0120#B	188	B	SDPS	Each DADS shall receive from the PGS, at a minimum, the following: a. L1-4 products ~~b. Quick-look products~~ b. (DELETED) c. Metadata d. Calibration e. Algorithms f. Schedule g. Status	B: Release B data described in the Data Type Matrix.

DADS0130#A	190	A	SDPS	Each DADS shall receive from the EDOS and SDPF, at a minimum, the following: a. Production data (L0) b. Expedited data	~~Full capability~~ A: ONLY MSFC AND LARC DAACS WILL INTERFACE WITH SDPF, ONLY THE GSFC A (**)ND LARC DAACS WILL INTERFACE WITH EDOS. Items a. and b. applicable for SDPF, TRMM CERE/LIS, and EDOS I/F tesing only
DADS0130#B	191	B	SDPS	Each DADS shall receive from the EDOS and SDPF, at a minimum, the following: a. Production data (L0) b. Expedited data	B: ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS
DADS0475#A	256	A	SDPS	The DADS shall provide storage for the following TRMM data: a. L~~0~~1A-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.	

DADS0475#B	257	B	SDPS	The DADS shall provide storage for the following TRMM data: a. L~~0~~1A-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.	
DADS1970#B	420	B	SDPS	Each DADS shall access from the SMC, via the system database, the product thread information for each standard ~~and quick-look~~ product generated by EOSDIS.	
DADS2380#A	480	A	SDPS	Each DADS shall send to the SCF, at a minimum, the following: a. L0-L4 b. Expedited data ~~b~~. c. Special products (L1-L4) ~~c~~. d. Metadata ~~d~~. e. Ancillary data e. f. Calibration data ~~f~~. g. Correlative data ~~g~~. h. Documents ~~h.~~ i. Algorithms	

DADS2380#B	481	B	SDPS	Each DADS shall send to the SCF, at a minimum, the following: a. L0-L4 b. Expedited data ~~b.~~ c. Special products (L1-L4) ~~c.~~ d. Metadata ~~d.~~ e. Ancillary data ~~e.~~ f. Calibration data ~~f.~~ g. Correlative data ~~g.~~ h. Documents ~~h.~~ i. Algorithms	
DADS2440#B	487	B	SDPS	Each DADS shall distribute data under a multi-level priority system. For example: a. Expedited data b. QA data c. Data products requested by standing order d. Data products requested retrospectively	
~~EOSD1030#C~~	~~1006~~	~~C~~	~~FOS~~	~~ECS shall have the capacity to accept a daily average of five~~ two ~~(5~~ 2~~) per cent of the daily data throughput as quick-look data for use in mission operations.~~ expedited data for use in mission functions of calibration and anomalies.	

EOSD1502#A	3187	A	FOS | SDPS | CSMS	ECS elements shall use Ecom for data communications for the following types of data: a. Production data sets (Level 0 data) b. Expedited data sets c. Real-time data (for health and safety) d. Command data e. Data requested from back-up archive f. TDRSS schedule requests g. Data exchange with the FDF	A: to support AM-1 testing. A: Note that data exchange with FDF is SOW requirements!! A: CONCERN HERE IS EXPECTED READINESS OF FDF FOR RELEASE A I/F TESTING. NOTE THAT FOR RELEASE A N/A IF FDF IS NOT READY, BUT EOC FUNCTIONALITY SHOULD BE THERE TO ACCOMODATE IT!
EOSD1502#B	3234	B	FOS | SDPS | CSMS	ECS elements shall use Ecom for data communications for the following types of data: a. Production data sets (Level 0 data) b. Expedited data sets c. Real-time data (for health and safety) d. Command data e. Data requested from back-up archive f. TDRSS schedule requests g. Data exchange with the FDF	B: To support AM-1 operations. ECOM COMMUNICATIONS BETWEEN THE GSFC DAAC AND FDF
ESN-0210#A	1223	A	CSMS	The ESN management function shall have a capability to obtain status on specific data flows, such as expedited data products, to assure the successful operation of ESN.	

ESN-0210#B	1224	B	CSMS	The ESN management function shall have a capability to obtain status on specific data flows, such as expedited data products, to assure the successful operation of ESN.	

PGS-1300#A	3423	A	SDPS	Each PGS shall provide a processing capacity four times the size necessary to process all EOS science data for which it is responsible, including interdisciplinary investigator processing. It shall be possible to effectively utilize the entire reprocessing capacity at each site on computers with similar architectural design (e.g., parallel processors), for a single algorithm or any mix of algorithms normally run at that site. The four times processing capacity accounts for: a. 1 times to allow for normal processing demands b. 2 times to allow for reprocessing demands c. 1 times to allow for algorithm integration and test demands, production of prototype products, ad hoc processing for "dynamic browse" or new search and access techniques developed by science users, ~~quick-look processing~~, and additional loads due to spacecraft overlap.	RQMT will be phased so that processing capacity will be provided following 2 years after MSN launch.

PGS-1300#B	3435	B	SDPS	Each PGS shall provide a processing capacity four times the size necessary to process all EOS science data for which it is responsible, including interdisciplinary investigator processing. It shall be possible to effectively utilize the entire reprocessing capacity at each site on computers with similar architectural design (e.g., parallel processors), for a single algorithm or any mix of algorithms normally run at that site. The four times processing capacity accounts for: a. 1 times to allow for normal processing demands b. 2 times to allow for reprocessing demands c. 1 times to allow for algorithm integration and test demands, production of prototype products, ad hoc processing for "dynamic browse" or new search and access techniques developed by science users, ~~quick-look processing~~, and additional loads due to spacecraft overlap.	RQMT will be phased so that processing capacity will be provided following 2 years after MSN launch.

SDPS0020#A	3425	A	SDPS	The SDPS shall receive EOS science, engineering, ~~and~~ ancillary, and expedited data from the EDOS, and SDPF, and non-EOS ancillary data (as listed i n Appendix C) from ADCs.	A: operational support for TRMM to receive: - TRMM ancillary data from NOAA - ancillary data - in situ data - algorithms from TSDIS, science, engineering data, and expedited data from SDPF Support interface testing of AM-1: - ancillary data,engineering data, Science, and expedited data - ASTER data APPLIES ONLY TO MSFC DAAC AND LARC DAAC A&B: ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS ~~A: QUICK LOOK FROM EDOS IS UNSCHEDULED~~
SDPS0020#B	2486	B	SDPS	The SDPS shall receive EOS science, engineering, ~~and~~ ancillary, and expedited, data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, associated algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	B: Exchange of inf. w/ IPs ~~B: APPLIES ONLY TO MSFC DACC AND LARC DAAC~~ B: ASTER GDS interfaces to EDC DAAC only. ~~A&B~~: ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS, ~~B: QUICK LOOK FORM EDOS IS UNSCHEDULED~~; LaRC and MSFC applies to interface with SDPF

Table 2 additional entries CCR95-0716A

paragraph_id	requirement_key	release	segment_allocation	text	req_interpretation
SDPS0110#A	2516	A	SDPS	The SDPS shall be responsible for coordination of the transfer of production and expedited science and engineering data from EDOS ~~and~~ SDPF and the IPs.	A: SDPF operationally. EDOS & IP for interface testing. A&B: ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS. **NOTE: At this time EDOS is still shown in the L3 here even though an approved ESDIS pending CCR 505-01-41-066 will remove the EDOS I/F for this requirement; at this time no L4s need to be removed until the CCR goes through the ECS CCB.**
SDPS0110#B	2517	B	SDPS	The SDPS shall be responsible for coordination of the transfer of production and expedited science and engineering data from EDOS ~~and~~ SDPF and the IPs.	B: IP for operational APPLIES ONLY TO MSFC DAAC AND LARC DAAC ~~A&B~~: ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS. **NOTE: At this time EDOS is still shown in the L3 here even though an approved ESDIS pending CCR 505-01-41-066 will remove the EDOS I/F for this requirement; at this time no L4s need to be removed until the CCR goes through the ECS CCB.**
SDPS0110#Ir 1	2518	Ir 1	SDPS	The SDPS shall be responsible for coordination of the transfer of production and ~~quick-look~~ expedited science and engineering data from SDPF.	IR1: This requirement is supported as follows: IR-1 shall be responsible for coocoordination of the transfer of data from the SDPF for the purpose of testing the SDPF interface to the Ingest subsystem.

Table 3					
paragraph_id	text	req_interpretation	L4	rel	text
SDPS0150#A	see Table 2	see Table 2			Need L4s!!
SDPS0150#B	see Table 2	see Table 2			Need L4s!!
DADS1235#A	see Table 2	see Table 2			Need L4s!!
DADS1235#B	see Table 2	see Table 2			Need L4s!!
DADS1030#A	see Table 2	see Table 2			Need L4s!!
DADS1030#B	see Table 2	see Table 2			Need L4s!!
DADS0120#B	Each DADS shall receive from the PGS, at a minimum, the following: a. L1-4 products ~~b. Quick-look products~~ b. (DELETED) c. Metadata d. Calibration e. Algorithms f. Schedule g. Status	B: Release B data described in the Data Type Matrix.	S-DSS-00150	A	The SDSRV CI shall accept and process Insert Metadata Requests to insert Metadata into the Inventory.
			S-DSS-00670	A	The SDSRV CI shall be capable of receiving data from the PRONG CI.
			S-DSS-00680	A	The SDSRV CI shall be capable of receiving data from the AITTL CI.
			S-DSS-00690	A	The SDSRV CI shall be capable of receiving data from the PLANG CI.
			S-DSS-03002	B	The SDSRV CI shall be capable of receiving L0 - L4 Data.

			S-DSS-03004	B	The SDSRV CI shall be capable of receiving Ancillary Data.
			S-DSS-03006	B	The SDSRV CI shall be capable of receiving Metadata associated with Ancillary Data.
			S-DSS-03010	A	The SDSRV CI shall be capable of receiving Calibration Data.
			S-DSS-03020	A	The SDSRV CI shall be capable of receiving Metadata associated with Calibration Data.
			S-DSS-03030	A	The SDSRV CI shall be capable of receiving Science Software Archive Packages.
			S-DSS-03040	A	The SDSRV CI shall be capable of receiving Metadata associated with Science Software Archive Packages.
			S-DSS-03280	A	The SDSRV CI shall be capable of receiving Metadata associated with scientific calibration data.
			S-DSS-03860	A	The SDSRV CI shall be capable of receiving status from the PRONG CI.
			S-DSS-03862	A	The SDSRV CI shall be capable of sending status to the PRONG CI.
			S-DSS-03864	A	The SDSRV CI shall be capable of receiving status from the PLANG CI.

			S-DSS-03866	A	The SDSRV CI shall be capable of sending status to the PLANG CI.
			S-DSS-03868	A	The SDSRV CI shall be capable of sending status to the WKBCH CI.
			S-DSS-03870	A	The SDSRV CI shall be capable of receiving status from the INGST CI.
			S-DSS-03872	A	The SDSRV CI shall be capable of sending status to the INGST CI.
			S-DSS-03874	A	The SDSRV CI shall be capable of receiving status from the LIMGR CI.
			S-DSS-03876	A	The SDSRV CI shall be capable of sending status to the LIMGR CI.
			S-DSS-03865	A	The SDSRV CI shall be capable of receiving scheduling data from the PLANG CI.
DADS0130#B	Each DADS shall receive from the EDOS and SDPF, at a minimum, the following: a. Production data (L0) b. Expedited data	B: ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS	S-DSS-03002	B	The SDSRV CI shall be capable of receiving L0 - L4 Data.
					Need a Level 4 for expedited data!!

			S-INS-00010	IR1	The INGST CI shall accept Network Ingest Requests to request automated electronic network ingest of a collection of Data. The collection of Data shall describe one or more Data Granules.
			S-INS-00020	IR1	The INGST CI shall check the Network Ingest Request to verify that the date/time prior to which the data will remain available is a valid date/time.
			S-INS-00070	A	The INGST CI shall provide the capability to periodically check a location accessible to the ESN for the presence of a Delivery Record file describing data to be ingested. The Delivery Record file shall contain the same information as a Network Ingest Request.
			S-INS-00080	A	The INGST CI shall read a Delivery Record file describing data to be ingested at a location accessible to the ESN and submit a corresponding Network Ingest Request to be processed.

			S-INS-00090	A	The INGST CI shall provide the capability for authorized operations staff to set the period between checking for the presence of Delivery Record files.
			S-INS-00130	A	The INGST CI shall interactively accept Hard Media Ingest Requests from operations staff for data to be ingested from hard media.
			S-INS-00140	A	The INGST CI shall check the Hard Media Ingest Request to verify that the Media Type is a type supported by the facility to which the request was submitted.
			S-INS-00150	A	The INGST CI shall verify that the External Data Provider specified in a Hard Media Ingest Request is an authorized provider of hard media to be ingested.
			S-INS-00160	A	The INGST CI shall authenticate that the Hard Media Ingest Request is input by operations staff authorized to ingest hard media data.

			S-INS-00165	A	The INGST CI shall read a Delivery Record file describing data to be ingested to determine the files to be ingested after hard media data transfer.
			S-INS-00170	A	The INGST CI shall report Hard Media Ingest Request status to the submitting operations staff for the following: a. Media file transfer failure b. Invalid Data Type Identifier c. Missing required metadata d. Metadata parameters out of range e. Data conversion failure f. Failure to archive data g. Missing file describing media data to be ingested h. Unauthorized hard media provider i. Unauthorized operations staff j. Successful archive of data
			S-INS-00520	IR1	The INGST CI shall ingest data, provided by the SDPF, from the ESN into the LaRC DAAC, using a file transfer protocol.

			S-INS-00530	A	The INGST CI shall ingest data, provided by the SDPF, from physical media into the LaRC DAAC as a backup transfer mechanism.
			S-INS-00540	IR1	The INGST CI shall ingest data, provided by the SDPF, from the ESN into the MSFC DAAC using a file transfer protocol.
			S-INS-00550	A	The INGST CI shall ingest data, provided by the SDPF, from physical media into the MSFC DAAC as a backup transfer mechanism.
			S-INS-00580	A	The INGST CI shall ingest Data, provided by the EDOS, from the ESN into the GSFC DAAC using a file transfer protocol.
			S-INS-00590	A	The INGST CI shall ingest Data, provided by the EDOS, from the ESN into the LaRC DAAC using a file transfer protocol.
			S-INS-00990	A	The ICLHW CI at the LaRC DAAC shall be capable of ingesting data from the SPDF at the nominal daily rate specified in Table E-3 of Appendix E.

			S-INS-01050	A	The ICLHW CI at the MSFC DAAC shall be capable of ingesting data from the SPDF at the nominal daily rate specified in Table E-3 of Appendix E.
			S-INS-00060	IR1	The INGST CI shall report status to the provider of a Network Ingest Request for the following: a._File transfer failure b._File size discrepancies c._Invalid Data Type Identifier d._Missing required metadata e._Metadata parameters out of range f._Data conversion failure g._Failure to archive data h._Inability to transfer data within the specified time window i._Missing required request information j._Successful archive of the data

DADS0475#A	The DADS shall provide storage for the following TRMM data: a. L01A-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.		S-DSS-00080	A	The SDSRV CI shall process Data Insert Requests that request the storage of Data Products and associated Metadata.
			S-DSS-00090	A	The SDSRV CI shall validate that each Data Insert Request contains a List of Data Files.
			S-DSS-03412	A	The SDSRV CI shall interface with the STMGT CI to provide storage for L0 - L4 Data.
			S-DSS-03414	A	The SDSRV CI shall interface with the STMGT CI to provide storage for Ancillary Data.
			S-DSS-03416	A	The SDSRV CI shall interface with the STMGT CI to provide storage for Metadata associated with Ancillary Data.
			S-DSS-03420	A	The SDSRV CI shall interface with the STMGT CI to provide storage for calibration data.

			S-DSS-03430	A	The SDSRV CI shall interface with the STMGT CI to provide storage for Metadata associated with calibration data.
			S-DSS-03440	A	The SDSRV CI shall interface with the STMGT CI to provide storage for Science Software Archive Packages.
			S-DSS-03450	A	The SDSRV CI shall interface with the STMGT CI to provide storage for Metadata associated with Science Software Archive Packages.
			S-DSS-03480	A	The SDSRV CI shall interface with the STMGT CI to provide storage for instrument calibration data.
			S-DSS-03490	A	The SDSRV CI shall interface with the STMGT CI to provide storage for Metadata associated with instrument calibration data.
			S-DSS-03640	A	The SDSRV CI shall interface with the STMGT CI to provide storage for scientific calibration data.
			S-DSS-03650	A	The SDSRV CI shall interface with the STMGT CI to provide storage for Metadata associated with scientific calibration data.

			S-DSS-03680	A	The SDSRV CI shall interface with the STMGT CI to provide storage for correlative data.
			S-DSS-03690	A	The SDSRV CI shall interface with the STMGT CI to provide storage for Metadata associated with correlative data.
			S-DSS-10040	A	The DDSRV CI shall accept Documents from the INGST CI.
			S-DSS-10130	A	The DDSRV CI shall be capable of receiving other documents relevant to quality assessment of EOS data
			S-DSS-20020	A	The STMGT CI shall accept Insert Requests for insertion of data into the archive.
			S-DSS-20030	A	The STMGT CI shall check each Insert Request it receives for the correct type of data in all fields. Fields that shall be checked include Request Identifier, date of request, Priority Information, data type and original identifier.
			S-DSS-21365	A	The STMGT CI shall provide storage for the Data Products listed in Appendix F.

			S-DSS-21366	A	The STMGT CI shall provide storage for the Metadata associated with the Data Products listed in Appendix F.
			S-DSS-60930	A	The ACMHW CI at the GSFC DAAC shall be capable of ingesting data from TSDIS at the nominal rate specified in Sections E.2 & E.3 of Appendix E.
			S-DSS-60940	A	The ACMHW CI at the GSFC DAAC shall be capable of ingesting data at a maximum rate that is three times the nominal rate specified in Sections E.2 & E.3 of Appendix E.
			S-DSS-60950	A	The ACMHW CI at the GSFC DAAC shall be capable of ingesting Version 0 data at the nominal rate specified in Section E.4 of Appendix E.
			S-DSS-60970	A	The ACMHW CI at the GSFC DAAC shall be capable of ingesting data at a nominal rate of TBD bytes per day from the DAO by network data transfer.
			S-DSS-90300	A	The DIPHW CI at the GSFC DAAC shall be capable of ingesting Version 0 data from physical media agreed upon between ECS and Version 0, at the nominal rate specified in Section E.45 of Appendix E.

			S-DSS-90310	A	The DIPHW CI at the MSFC DAAC shall be capable of ingesting Version 0 data from physical media agreed upon between ECS and Version 0, at the nominal rate specified in Section E.4 of Appendix E.
			S-INS-00408	A	For each data granule specified in an Ingest Request the INGST CI shall determine by means of an Advertisement the appropriate SDSRV CI/DDSRV CI in which to store the data granule.
			S-INS-00409	A	The INGST CI shall provide the capability to request storage of a data granule by means of a Data Insert Request to the SDSRV CI/DDSRV CI associated with the type of the data granule.
			S-INS-60710	A	The ICLHW CI shall contain the storage and interface resources to support the ingest functions for the TRMM mission instruments of CERES and LIS.
			S-INS-60740	A	The ICLHW CI at the LaRC DAAC shall be sized to store and maintain TBD bytes of data for a 1 year period of time.

			S-INS-60745	A	The ICLHW CI at the MSFC DAAC shall be sized to store and maintain TBD bytes of data for a 1 year period of time.
DADS0475#B	The DADS shall provide storage for the following TRMM data: a. L~~0~~1A-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.		S-DSS-00080	A	The SDSRV CI shall process Data Insert Requests that request the storage of Data Products and associated Metadata.
			S-DSS-00090	A	The SDSRV CI shall validate that each Data Insert Request contains a List of Data Files.
			S-DSS-03412	A	The SDSRV CI shall interface with the STMGT CI to provide storage for L0 - L4 Data.
			S-DSS-03414	A	The SDSRV CI shall interface with the STMGT CI to provide storage for Ancillary Data.
			S-DSS-03416	A	The SDSRV CI shall interface with the STMGT CI to provide storage for Metadata associated with Ancillary Data.

			S-DSS-03420	A	The SDSRV CI shall interface with the STMGT CI to provide storage for calibration data.
			S-DSS-03430	A	The SDSRV CI shall interface with the STMGT CI to provide storage for Metadata associated with calibration data.
			S-DSS-03440	A	The SDSRV CI shall interface with the STMGT CI to provide storage for Science Software Archive Packages.
			S-DSS-03450	A	The SDSRV CI shall interface with the STMGT CI to provide storage for Metadata associated with Science Software Archive Packages.
			S-DSS-03480	A	The SDSRV CI shall interface with the STMGT CI to provide storage for instrument calibration data.
			S-DSS-03490	A	The SDSRV CI shall interface with the STMGT CI to provide storage for Metadata associated with instrument calibration data.
			S-DSS-03640	A	The SDSRV CI shall interface with the STMGT CI to provide storage for scientific calibration data.

			S-DSS-03650	A	The SDSRV CI shall interface with the STMGT CI to provide storage for Metadata associated with scientific calibration data.
			S-DSS-03680	A	The SDSRV CI shall interface with the STMGT CI to provide storage for correlative data.
			S-DSS-03690	A	The SDSRV CI shall interface with the STMGT CI to provide storage for Metadata associated with correlative data.
			S-DSS-10040	A	The DDSRV CI shall accept Documents from the INGST CI.
			S-DSS-10130	A	The DDSRV CI shall be capable of receiving other documents relevant to quality assessment of EOS data
			S-DSS-20020	A	The STMGT CI shall accept Insert Requests for insertion of data into the archive.
			S-DSS-20030	A	The STMGT CI shall check each Insert Request it receives for the correct type of data in all fields. Fields that shall be checked include Request Identifier, date of request, Priority Information, data type and original identifier.

			S-DSS-21365	A	The STMGT CI shall provide storage for the Data Products listed in Appendix F.
			S-DSS-21366	A	The STMGT CI shall provide storage for the Metadata associated with the Data Products listed in Appendix F.
			S-DSS-60930	A	The ACMHW CI at the GSFC DAAC shall be capable of ingesting data from TSDIS at the nominal rate specified in Sections E.2 & E.3 of Appendix E.
			S-DSS-60940	A	The ACMHW CI at the GSFC DAAC shall be capable of ingesting data at a maximum rate that is three times the nominal rate specified in Sections E.2 & E.3 of Appendix E.
			S-DSS-60950	A	The ACMHW CI at the GSFC DAAC shall be capable of ingesting Version 0 data at the nominal rate specified in Section E.4 of Appendix E.
			S-DSS-60970	A	The ACMHW CI at the GSFC DAAC shall be capable of ingesting data at a nominal rate of TBD bytes per day from the DAO by network data transfer.

			S-DSS-90300	A	The DIPHW CI at the GSFC DAAC shall be capable of ingesting Version 0 data from physical media agreed upon between ECS and Version 0, at the nominal rate specified in Section E.45 of Appendix E.
			S-DSS-90310	A	The DIPHW CI at the MSFC DAAC shall be capable of ingesting Version 0 data from physical media agreed upon between ECS and Version 0, at the nominal rate specified in Section E.4 of Appendix E.
			S-INS-00408	A	For each data granule specified in an Ingest Request the INGST CI shall determine by means of an Advertisement the appropriate SDSRV CI/DDSRV CI in which to store the data granule.
			S-INS-00409	A	The INGST CI shall provide the capability to request storage of a data granule by means of a Data Insert Request to the SDSRV CI/DDSRV CI associated with the type of the data granule.

			S-INS-60710	A	The ICLHW CI shall contain the storage and interface resources to support the ingest functions for the TRMM mission instruments of CERES and LIS.
			S-INS-60740	A	The ICLHW CI at the LaRC DAAC shall be sized to store and maintain TBD bytes of data for a 1 year period of time.
			S-INS-60745	A	The ICLHW CI at the MSFC DAAC shall be sized to store and maintain TBD bytes of data for a 1 year period of time.
DADS1970#A	Each DADS shall access from the SMC, via the system database, the product thread information for each standard ~~and quick-look~~ product generated by EOSDIS.				!!! NOT TRACED TO ANY L4's IN DATABASE!!! **(Note: if not stored in SMC, then reallocate in Level 4 and provide clarification text for Level 3 RBR, as necessary.)**
DADS1970#B	Each DADS shall access from the SMC, via the system database, the product thread information for each standard ~~and quick-look~~ product generated by EOSDIS.				!!! NOT TRACED TO ANY L4's IN DATABASE!!! **(Note: if not stored in SMC, then reallocate in Level 4 and provide clarification text for Level 3 RBR, as necessary.)**

DADS2380#A	Each DADS shall send to the SCF, at a minimum, the following: a. L0-L4 b. Expedited data ~~b~~. c. Special products (L1-L4) ~~c~~. d. Metadata ~~d~~. e. Ancillary data ~~e~~. f. Calibration data ~~f~~. g. Correlative data ~~g~~. h. Documents ~~h~~. i. Algorithms		S-DSS-10050	A	The DDSRV CI shall provide documents to requesting agencies.
					Needs more Level 4s!!! **Again needs expedited data Level 4s!!!**
DADS2380#B	Each DADS shall send to the SCF, at a minimum, the following: a. L0-L4 b. Expedited data ~~b~~. c. Special products (L1-L4) ~~c~~. d. Metadata ~~d~~. e. Ancillary data ~~e~~. f. Calibration data ~~f~~. g. Correlative data ~~g~~. h. Documents ~~h~~. i. Algorithms		S-DSS-10050	A	The DDSRV CI shall provide documents to requesting agencies.

DADS2440#B	Each DADS shall distribute data under a multi-level priority system. For example: a. Expedited data b. QA data c. Data products requested by standing order d. Data products requested retrospectively				!!! NOT TRACED TO ANY L4's IN DATABASE!!!
ESN-0210#A	The ESN management function shall have a capability to obtain status on specific data flows, such as expedited data products, to assure the successful operation of ESN.		C-MSS-18050	A	The MSS Management Data Access Service's shall utilize CSS Services to access/transfer management data.
			C-MSS-18070	A	The MSS Management Data Access Service shall provide the capability to selectively access management data.
			C-MSS-18260	A	The MSS Management Data Access Service shall have the capability to schedule the transfer and loading log files into the management database at the site.
			C-MSS-18280	A	The MSS Management Data Access Service shall have the capability to schedule the transfer of management data at the sites to the SMC.

			C-MSS-18340	A	The MSS Management Data Access Service shall provide the capability for an application to selectively read a record from a log file
			C-MSS-18060	A	The Management Data Access Service shall provide the capability for an application to access management data.
			C-MSS-12005	IR1	The MSS Management User Interface (MUI) Service shall be compatible with the ECS management framework.
			C-MSS-66000	IR1	The MSS performance management application service shall be capable of monitoring the performance of the following ECS components a._network components _1. routers _2. links _3. bridges _4. gateways
			C-MSS-36070	A | IR1	The MSS Management Agent Service shall provide an ECS management agent for network devices

ESN-0210#B	The ESN management function shall have a capability to obtain status on specific data flows, such as expedited data products, to assure the successful operation of ESN.		C-MSS-18050	A	The MSS Management Data Access Service's shall utilize CSS Services to access/transfer management data.
			C-MSS-18070	A	The MSS Management Data Access Service shall provide the capability to selectively access management data.
			C-MSS-18260	A	The MSS Management Data Access Service shall have the capability to schedule the transfer and loading log files into the management database at the site.
			C-MSS-18280	A	The MSS Management Data Access Service shall have the capability to schedule the transfer of management data at the sites to the SMC.
			C-MSS-18340	A	The MSS Management Data Access Service shall provide the capability for an application to selectively read a record from a log file
			C-MSS-18060	A	The Management Data Access Service shall provide the capability for an application to access management data.

			C-MSS-12005	IR1	The MSS Management User Interface (MUI) Service shall be compatible with the ECS management framework.
			C-MSS-66000	IR1	The MSS performance management application service shall be capable of monitoring the performance of the following ECS components a._network components _1. routers _2. links _3. bridges _4. gateways
			C-MSS-36070	A | IR1	The MSS Management Agent Service shall provide an ECS management agent for network devices
SDPS0020#B	The SDPS shall receive EOS science, engineering, ~~and~~ ancillary, and expedited data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, associated algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	B: Exchange of inf. w/ IPs B: APPLIES ONLY TO MSFC DACC AND LARC DAAC B: ASTER GDS interfaces to EDC DAAC only. A&B: ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS, B: QUICK LOOK FORM EDOS IS UNSCHEDULED	S-INS-00010	IR1	The INGST CI shall accept Network Ingest Requests to request automated electronic network ingest of a collection of Data. The collection of Data shall describe one or more Data Granules.

					Again needs expedited data Level 4s!!!
			S-INS-00020	IR1	The INGST CI shall check the Network Ingest Request to verify that the date/time prior to which the data will remain available is a valid date/time.
			S-INS-00070	A	The INGST CI shall provide the capability to periodically check a location accessible to the ESN for the presence of a Delivery Record file describing data to be ingested. The Delivery Record file shall contain the same information as a Network Ingest Request.
			S-INS-00080	A	The INGST CI shall read a Delivery Record file describing data to be ingested at a location accessible to the ESN and submit a corresponding Network Ingest Request to be processed.
			S-INS-00520	IR1	The INGST CI shall ingest data, provided by the SDPF, from the ESN into the LaRC DAAC, using a file transfer protocol.

			S-INS-00540	IR1	The INGST CI shall ingest data, provided by the SDPF, from the ESN into the MSFC DAAC using a file transfer protocol.
			S-INS-00560	IR1	The INGST CI shall ingest Data, provided by the TSDIS, from the ESN into the GSFC DAAC using a file transfer protocol.
			S-INS-00570	IR1	The INGST CI shall ingest Data, provided by the TSDIS, from the ESN into the MSFC DAAC using a file transfer protocol.
			S-INS-00590	A	The INGST CI shall ingest Data, provided by the EDOS, from the ESN into the LaRC DAAC using a file transfer protocol.
			S-INS-00620	IR1	The INGST CI shall ingest data, provided by the DAO, from the ESN into the LaRC DAAC using a file transfer protocol.
			S-INS-00630	IR1	The INGST CI shall ingest data, provided by NESDIS, from the ESN into the LaRC DAAC using a file transfer protocol.
			S-INS-00640	IR1	The INGST CI shall ingest data, provided by the DAO, from the ESN into the GSFC DAAC using a file transfer protocol.

			S-INS-00650	B	The INGST CI shall ingest data, provided by the DAO, from the ESN into the EDC DAAC using a file transfer protocol.
			S-INS-00670	A	The INGST CI shall ingest Data, provided by an SCF, from the ESN into the MSFC DAAC using a file transfer protocol.
			S-INS-00680	A	The INGST CI shall ingest Data, provided by an SCF, from the ESN into the LaRC DAAC using a file transfer protocol.
			S-INS-00720	A	The INGST CI shall ingest data, provided by the EOC, from the ESN using a file transfer protocol.
			S-INS-00730	B	The INGST CI shall ingest data, provided by the FDF, from the ESN into the GSFC DAAC using a file transfer protocol.
			S-INS-00780	A	The INGST CI shall ingest data, provided by the Landsat 7 Processing Facility (LPS), from the ESN into the EDC DAAC using a file transfer protocol.
			S-INS-00790	B	The INGST CI shall ingest data, received on physical media from the ASTER GDS, into the EDC DAAC.

			S-INS-00800	A	The INGST CI shall ingest Data, provided by Version 0, from the LaRC DAAC using a file transfer protocol.
			S-INS-00810	A	The INGEST shall ingest Data, provided by Version 0, from the GSFC DAAC on 8mm tape.
			S-INS-00830	A	The INGEST shall ingest Data, provided by Version 0, from the MSFC DAAC on 8mm tape.
			S-INS-00840	B	The INGEST shall ingest data provided by Adeos II/SeaWinds.
			S-INS-60430	IR1	The ICLHW CI platforms shall have provision for interfacing with one or more Local Area Networks (LANs).
			S-DPS-30900	B	The PRONG CI shall provide to the SDP Toolkit EDOS-generated L0 PDS as header and quality parameters all contained in the same physical file as the L0 telemetry packets.
			S-DPS-30910	B	The PRONG CI shall provide to the SDP Toolkit EDOS-generated L0 PDS containing header information as specified in the EDOS-ECS ICD.

			S-DPS-30920	B	The PRONG CI shall provide to the SDP Toolkit EDOS-generated L0 PDS containing quality information as specified in the EDOS-ECS ICD.
			S-DPS-60610	A	The SPRHW CI platforms shall have provision for interfacing with one or more Local Area Networks (LANs).
			S-DPS-70310	IR1	The AITHW CI platforms shall have provision for interfacing with one or more Local Area Networks (LANs).
			S-DPS-70710	IR1	The electrical power requirements for AITHW CI equipment shall be in accordance with the ECS Facilities Plan (DID 302/DV2).

			S-INS-00060	IR1	The INGST CI shall report status to the provider of a Network Ingest Request for the following: a._File transfer failure b._File size discrepancies c._Invalid Data Type Identifier d._Missing required metadata e._Metadata parameters out of range f._Data conversion failure g._Failure to archive data h._Inability to transfer data within the specified time window i._Missing required request information j._Successful archive of the data
EOSD1502#A	ECS elements shall use Ecom for data communications for the following types of data: a. Production data sets (Level 0 data) b. Expedited data sets c. Real-time data (for health and safety) d. Command data e. Data requested from back-up archive f. TDRSS schedule requests g. Data exchange with the FDF	A: to support AM-1. A: Note that data exchange with FDF is SOW requirements!! A: CONCERN HERE IS EXPECTED READINESS OF FDF FOR RELEASE A I/F TESTING. NOTE THAT FOR RELEASE A N/A IF FDF IS NOT READY, BUT EOC FUNCTIONALITY SHOULD BE THERE TO ACCOMODATE IT!	C-MSS-10010	A	The MSS shall interface with the Ecom systems to exchange data identified in Table 5.1-1 as specified in the ECS/Ecom IRD.

			C-MSS-10040	A	The MSS shall interface with the NASA Institutional Support System (NISS) to exchange data identified in Table 5.1-1 as specified in ECS/NISS IRD, 194-219-SE1-020.
EOSD1502#B	ECS elements shall use Ecom for data communications for the following types of data: a. Production data sets (Level 0 data) b. Expedited data sets c. Real-time data (for health and safety) d. Command data e. Data requested from back-up archive f. TDRSS schedule requests g. Data exchange with the FDF	B: ECOM COMMUNICATIONS BETWEEN THE GSFC DAAC AND FDF	C-MSS-10010	A	The MSS shall interface with the Ecom systems to exchange data identified in Table 5.1-1 as specified in the ECS/Ecom IRD.
			C-MSS-10040	A	The MSS shall interface with the NASA Institutional Support System (NISS) to exchange data identified in Table 5.1-1 as specified in ECS/NISS IRD, 194-219-SE1-020.

			F-FOS-00320	B	The EOC shall use Ecom for data communications for the following types of data: a. Real-time telemetry data, rate-buffered telemetry data b. Command data c. TDRSS schedule requests and TDRSS schedules d. Data exchange with the FDF, NCC and EDOS

PGS-1300#A	Each PGS shall provide a processing capacity four times the size necessary to process all EOS science data for which it is responsible, including interdisciplinary investigator processing. It shall be possible to effectively utilize the entire reprocessing capacity at each site on computers with similar architectural design (e.g., parallel processors), for a single algorithm or any mix of algorithms normally run at that site. The four times processing capacity accounts for: a. 1 times to allow for normal processing demands b. 2 times to allow for reprocessing demands c. 1 times to allow for algorithm integration and test demands, production of prototype products, ad hoc processing for "dynamic browse" or new search and access techniques developed by science users, ~~quick-look processing,~~ and additional loads due to spacecraft overlap.	RQMT will be phased so that processing capacity will be provided following 2 years after MSN launch.	S-DPS-60230	A	The SPRHW CI shall provide a phased capacity to support: a. for pre-launch AI&T at launch minus 2 years: 0.3 X, where X is defined as the at-launch processing estimate b. for pre-launch AI&T and System I&T at-launch minus 1 year: 1.2 X, where X is defined as the at-launch processing estimate c. for post-launch AIT, standard processing, and reprocessing, starting at launch plus 1 year: 2.2 X, where X is defined as the standard processing estimate for that period d. for post-launch AIT, standard processing, and reprocessing, starting at launch plus 2 years: 4.2 X, where X is defined as the standard processing estimate for that period.

			S-DPS-60240	A	The SPRHW CI shall support a total processing requirement as derived from Table 1 (Appendix E Section E.1).
SDPS0020#A	The SDPS shall receive EOS science, engineering ~~and~~ ancillary, and expedited data from the EDOS, and SDPF, and non-EOS ancillary data (as listed in Appendix C) from ADCs.	A: operational support for TRMM to receive: - TRMM ancillary data from NOAA - ancillary data - in situ data - algorithms from TSDIS - science engineering data support interface testing of AM-1: - ancillary data - engineering data - ASTER data APPLIES ONLY TO MSFC DAAC AND LARC DAAC A&B: ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS A: QUICK LOOK FROM EDOS IS UNSCHEDULED	S-INS-00010	IR1	The INGST CI shall accept Network Ingest Requests to request automated electronic network ingest of a collection of Data. The collection of Data shall describe one or more Data Granules.
					Needs expedited data Level 4s!!!
			S-INS-00020	IR1	The INGST CI shall check the Network Ingest Request to verify that the date/time prior to which the data will remain available is a valid date/time.

			S-INS-00070	A	The INGST CI shall provide the capability to periodically check a location accessible to the ESN for the presence of a Delivery Record file describing data to be ingested. The Delivery Record file shall contain the same information as a Network Ingest Request.
			S-INS-00080	A	The INGST CI shall read a Delivery Record file describing data to be ingested at a location accessible to the ESN and submit a corresponding Network Ingest Request to be processed.
			S-INS-00520	IR1	The INGST CI shall ingest data, provided by the SDPF, from the ESN into the LaRC DAAC, using a file transfer protocol.
			S-INS-00540	IR1	The INGST CI shall ingest data, provided by the SDPF, from the ESN into the MSFC DAAC using a file transfer protocol.
			S-INS-00560	IR1	The INGST CI shall ingest Data, provided by the TSDIS, from the ESN into the GSFC DAAC using a file transfer protocol.

			S-INS-00570	IR1	The INGST CI shall ingest Data, provided by the TSDIS, from the ESN into the MSFC DAAC using a file transfer protocol.
			S-INS-00590	A	The INGST CI shall ingest Data, provided by the EDOS, from the ESN into the LaRC DAAC using a file transfer protocol.
			S-INS-00620	IR1	The INGST CI shall ingest data, provided by the DAO, from the ESN into the LaRC DAAC using a file transfer protocol.
			S-INS-00630	IR1	The INGST CI shall ingest data, provided by NESDIS, from the ESN into the LaRC DAAC using a file transfer protocol.
			S-INS-00640	IR1	The INGST CI shall ingest data, provided by the DAO, from the ESN into the GSFC DAAC using a file transfer protocol.
			S-INS-00670	A	The INGST CI shall ingest Data, provided by an SCF, from the ESN into the MSFC DAAC using a file transfer protocol.
			S-INS-00680	A	The INGST CI shall ingest Data, provided by an SCF, from the ESN into the LaRC DAAC using a file transfer protocol.

			S-INS-00720	A	The INGST CI shall ingest data, provided by the EOC, from the ESN using a file transfer protocol.
			S-INS-00780	A	The INGST CI shall ingest data, provided by the Landsat 7 Processing Facility (LPS), from the ESN into the EDC DAAC using a file transfer protocol.
			S-INS-00800	A	The INGST CI shall ingest Data, provided by Version 0, from the LaRC DAAC using a file transfer protocol.
			S-INS-00810	A	The INGEST shall ingest Data, provided by Version 0, from the GSFC DAAC on 8mm tape.
			S-INS-00830	A	The INGEST shall ingest Data, provided by Version 0, from the MSFC DAAC on 8mm tape.
			S-INS-60430	IR1	The ICLHW CI platforms shall have provision for interfacing with one or more Local Area Networks (LANs).
			S-DPS-60610	A	The SPRHW CI platforms shall have provision for interfacing with one or more Local Area Networks (LANs).

			S-DPS-70310	IR1	The AITHW CI platforms shall have provision for interfacing with one or more Local Area Networks (LANs).
			S-DPS-70710	IR1	The electrical power requirements for AITHW CI equipment shall be in accordance with the ECS Facilities Plan (DID 302/DV2).
			S-INS-00060	IR1	The INGST CI shall report status to the provider of a Network Ingest Request for the following: a._File transfer failure b._File size discrepancies c._Invalid Data Type Identifier d._Missing required metadata e._Metadata parameters out of range f._Data conversion failure g._Failure to archive data h._Inability to transfer data within the specified time window i._Missing required request information j._Successful archive of the data

DADS0120#A	Each DADS shall receive from the PGS, at a minimum, the following: a. L1-4 products ~~b. Quick-look products~~ b. (DELETED) c. Metadata d. Calibration e. Algorithms f. Schedule g. Status	A: TRMM data described in the Data Type Matrix.	S-DSS-00150	A	The SDSRV CI shall accept and process Insert Metadata Requests to insert Metadata into the Inventory.
			S-DSS-00670	A	The SDSRV CI shall be capable of receiving data from the PRONG CI.
			S-DSS-00680	A	The SDSRV CI shall be capable of receiving data from the AITTL CI.
			S-DSS-00690	A	The SDSRV CI shall be capable of receiving data from the PLANG CI.
			S-DSS-03010	A	The SDSRV CI shall be capable of receiving Calibration Data.
			S-DSS-03020	A	The SDSRV CI shall be capable of receiving Metadata associated with Calibration Data.
			S-DSS-03030	A	The SDSRV CI shall be capable of receiving Science Software Archive Packages.
			S-DSS-03040	A	The SDSRV CI shall be capable of receiving Metadata associated with Science Software Archive Packages.

			S-DSS-03280	A	The SDSRV CI shall be capable of receiving Metadata associated with scientific calibration data.
			S-DSS-03860	A	The SDSRV CI shall be capable of receiving status from the PRONG CI.
			S-DSS-03862	A	The SDSRV CI shall be capable of sending status to the PRONG CI.
			S-DSS-03864	A	The SDSRV CI shall be capable of receiving status from the PLANG CI.
			S-DSS-03866	A	The SDSRV CI shall be capable of sending status to the PLANG CI.
			S-DSS-03868	A	The SDSRV CI shall be capable of sending status to the WKBCH CI.
			S-DSS-03870	A	The SDSRV CI shall be capable of receiving status from the INGST CI.
			S-DSS-03872	A	The SDSRV CI shall be capable of sending status to the INGST CI.
			S-DSS-03874	A	The SDSRV CI shall be capable of receiving status from the LIMGR CI.
			S-DSS-03876	A	The SDSRV CI shall be capable of sending status to the LIMGR CI.
			S-DSS-03865	A	The SDSRV CI shall be capable of receiving scheduling data from the PLANG CI.

PGS-1300#B	Each PGS shall provide a processing capacity four times the size necessary to process all EOS science data for which it is responsible, including interdisciplinary investigator processing. It shall be possible to effectively utilize the entire reprocessing capacity at each site on computers with similar architectural design (e.g., parallel processors), for a single algorithm or any mix of algorithms normally run at that site. The four times processing capacity accounts for: a. 1 times to allow for normal processing demands b. 2 times to allow for reprocessing demands c. 1 times to allow for algorithm integration and test demands, production of prototype products, ad hoc processing for "dynamic browse" or new search and access techniques developed by science users, ~~quick-look processing~~, and additional loads due to spacecraft overlap.	RQMT will be phased so that processing capacity will be provided following 2 years after MSN launch.	S-DPS-60230	A	The SPRHW CI shall provide a phased capacity to support: a. for pre-launch AI&T at launch minus 2 years: 0.3 X, where X is defined as the at-launch processing estimate b. for pre-launch AI&T and System I&T at-launch minus 1 year: 1.2 X, where X is defined as the at-launch processing estimate c. for post-launch AIT, standard processing, and reprocessing, starting at launch plus 1 year: 2.2 X, where X is defined as the standard processing estimate for that period d. for post-launch AIT, standard processing, and reprocessing, starting at launch plus 2 years: 4.2 X, where X is defined as the standard processing estimate for that period.

			S-DPS-60240	A	The SPRHW CI shall support a total processing requirement as derived from Table 1 (Appendix E Section E.1).

Table 3 addition for CCR 95-0716A

paragraph_id	text	req_interpretation	paragraph_id	release	text
SDPS0110#A	The SDPS shall be responsible for coordination of the transfer of production data from EDOS and SDPF.	A: SDPF operationally. EDOS & IP for interface testing. A&B: ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS.	S-INS-00010	IR1	The INGST CI shall accept Network Ingest Requests to request automated electronic network ingest of a collection of Data. The collection of Data shall describe one or more Data Granules.
			S-INS-00020	IR1	The INGST CI shall check the Network Ingest Request to verify that the date/time prior to which the data will remain available is a valid date/time.
			S-INS-00520	IR1	The INGST CI shall ingest data, provided by the SDPF, from the ESN into the LaRC DAAC, using a file transfer protocol.
			S-INS-00540	IR1	The INGST CI shall ingest data, provided by the SDPF, from the ESN into the MSFC DAAC using a file transfer protocol.

			S-INS-00060	IR1	The INGST CI shall report status to the provider of a Network Ingest Request for the following: a. File transfer failure b. File size discrepancies c. Invalid Data Type Identifier d. Missing required metadata e. Metadata parameters out of range f. Data conversion failure g. Failure to archive data h. Inability to transfer data within the specified time window i. Missing required request information j. Successful archive of the data
SDPS0110#B	The SDPS shall be responsible for coordination of the transfer of production data from EDOS and SDPF.	B: IP for operational APPLIES ONLY TO MSFC DAAC AND LARC DAAC A&B: ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS.	S-INS-00010	IR1	The INGST CI shall accept Network Ingest Requests to request automated electronic network ingest of a collection of Data. The collection of Data shall describe one or more Data Granules.

			S-INS-00020	IR1	The INGST CI shall check the Network Ingest Request to verify that the date/time prior to which the data will remain available is a valid date/time.
			S-INS-00520	IR1	The INGST CI shall ingest data, provided by the SDPF, from the ESN into the LaRC DAAC, using a file transfer protocol.
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SDPS0110#Ir1	The SDPS shall be responsible for coordination of the transfer of production and quick-look science and engineering data from SDPF.	IR1: This requirement is supported as follows: IR-1 shall be responsible for coocoordination of the transfer of data from the SDPF for the purpose of testing the SDPF interface to the Ingest subsystem.	S-INS-00010	IR1	The INGST CI shall accept Network Ingest Requests to request automated electronic network ingest of a collection of Data. The collection of Data shall describe one or more Data Granules.

			S-INS-00020	IR1	The INGST CI shall check the Network Ingest Request to verify that the date/time prior to which the data will remain available is a valid date/time.
			S-INS-00520	IR1	The INGST CI shall ingest data, provided by the SDPF, from the ESN into the LaRC DAAC, using a file transfer protocol.
			S-INS-00540	IR1	The INGST CI shall ingest data, provided by the SDPF, from the ESN into the MSFC DAAC using a file transfer protocol.

			S-INS-00060	IR1	The INGST CI shall report status to the provider of a Network Ingest Request for the following: a. File transfer failure b. File size discrepancies c. Invalid Data Type Identifier d. Missing required metadata e. Metadata parameters out of range f. Data conversion failure g. Failure to archive data h. Inability to transfer data within the specified time window i. Missing required request information j. Successful archive of the data