DADS RbR to L4 traceability (1 of 243)

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS0010#A	Each DADS shall receive updated metadata for products that have been QA'd.	A: TRMM data described in the Data Type Matrix	S-DSS-00160	A	The SDSRV CI shall accept and process Update Metadata Requests to update Metadata that has been previously stored in the Inventory.
DADS0010#B	Each DADS shall receive updated metadata for products that have been QA'd.	B: Release B data described in the Data Type Matrix	S-DSS-00160	A	The SDSRV CI shall accept and process Update Metadata Requests to update Metadata that has been previously stored in the Inventory.
DADS0020#A	Each DADS shall, upon receipt of updated metadata for products which have been QA'd, store the metadata in its inventory.	A: TRMM products	S-DSS-00160	A	The SDSRV CI shall accept and process Update Metadata Requests to update Metadata that has been previously stored in the Inventory.
			S-DSS-00165	A	The SDSRV CI shall update the Inventory with the updated Metadata that was received.
DADS0020#B	Each DADS shall, upon receipt of updated metadata for products which have been QA'd, store the metadata in its inventory.	B: TRMM, AM-1, Landsat-7 products	S-DSS-00160	A	The SDSRV CI shall accept and process Update Metadata Requests to update Metadata that has been previously stored in the Inventory.
			S-DSS-00165	A	The SDSRV CI shall update the Inventory with the updated Metadata that was received.
DADS0070#B	Each DADS shall provide the capability of scanning or digitizing hardcopy input for the purpose of archiving documents.		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-02000	B	The INGST CI shall interactively accept Document Scanning/Digitizing Requests from authorized operations staff for hard copy media to be ingested.
			S-INS-02010	B	The INGST CI shall authenticate that the Document Scanning/Digitizing Request is input by operations staff authorized to ingest hard copy media.
			S-INS-02020	B	The INGST CI shall verify that the External Data Provider specified in a Document Scanning/Digitizing Request is an authorized provider of hard copy media to be ingested.
			S-INS-02030	B	The INGST CI shall automatically determine the data volume for each scanned or digitized file resulting from an interactively entered Document Scanning/Digitizing Request.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-02040	B	The INGST CI shall report to the Error Log an unauthorized attempt to interactively request ingest of hard copy media.
			S-INS-02050	B	The INGST CI shall report Document Scanning/Digitizing Request status to the submitting operations staff for the following: a._Hard copy scanning/digitizing failure b._Invalid Data Type Identifier c._Missing required metadata d._Metadata parameters out of range e._Failure to archive data f._Unauthorized hard copy media provider g._Unauthorized operations staff h._Successful archive of data
			S-INS-60900	B	The INGST CI shall provide the necessary hardware/software to perform scanning and/or digitizing of hardcopy documents for the purpose of imputting document request from authorized users.
DADS0100#A	Each DADS shall receive management directives from the SMC.	A: TBD	S-DSS-00702	A	The SDSRV CI shall be capable of sending management directives to DDSRV CI.
			S-DSS-00704	A	The SDSRV CI shall be capable of sending management directives to DDIST CI.
			S-DSS-10292	A	The DDSRV CI shall receive management directives from the SDSRV CI.
			S-DSS-30797	A	The DDIST CI shall receive management directives from the SDSRV CI.
			S-INS-00369	A	The INGST CI shall authenticate the User Identifier of an application submitting an ingest Cancellation Request.
DADS0100#B	Each DADS shall receive management directives from the SMC.	B: TBD	S-DSS-00702	A	The SDSRV CI shall be capable of sending management directives to DDSRV CI.
			S-DSS-00704	A	The SDSRV CI shall be capable of sending management directives to DDIST CI.
			S-DSS-10292	A	The DDSRV CI shall receive management directives from the SDSRV CI.
			S-DSS-30797	A	The DDIST CI shall receive management directives from the SDSRV CI.
			S-INS-00369	A	The INGST CI shall authenticate the User Identifier of an application submitting an ingest Cancellation Request.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00365	B	The INGST CI shall accept an ingest Suspension Request from authorized applications to suspend ongoing ingest request processing for a specified Request Identifier, to suspend all ongoing ingest request processing from a specified External Data Provider, or to suspend all ongoing ingest request processing.
			S-INS-00367	B	The INGST CI shall accept an ingest Resumption Request from authorized applications to resume ongoing ingest request processing for a specified Request Identifier, to resume all ongoing ingest request processing from a specified External Data Provider, or to resume all ongoing ingest request processing.
			S-INS-00370	B	The INGST CI shall authenticate the User Identifier of an application submitting an ingest Suspension Request or ingest Resumption Request.
			S-DSS-00980	B	The SDSRV CI operations staff shall have the capability to receive from the SMC, management directives.
DADS0110#A	Each DADS shall receive from the IMS, at a minimum, the following: a. Documents b. Product status dialog c. Product orders	A: TRMM products	S-DSS-10040	A	The DDSRV CI shall accept Documents from the INGST CI.
			S-INS-00221	A	The INGST CI shall interactively accept Document Ingest Requests from authorized science users for ingest of a single collection of document Data from a location accessible via the ESN. The collection of document Data shall describe one or more document Data Granules.
			S-INS-00222	A	The INGST CI shall check the Document Ingest Request to verify that the date/time prior to which the data will remain available is a valid date/time in a Document Ingest Request entered interactively by a science user.
			S-INS-00224	A	The INGST CI shall allow a science user to specify the list of document granule files in an interactive Document Ingest Request based on a displayed list of existing files stored on magnetic disk.
			S-INS-00225	A	The INGST CI shall determine the data provider and assign the Priority Information for a Document Ingest Request entered interactively by a science user.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00226	A	The INGST CI shall automatically determine the data volume for each file in the list of document granule files for an interactively entered Document Ingest Request.
			S-INS-00227	A	The INGST CI shall authenticate that the interactive science user entering a Document Ingest Request is authorized to request ingest of data.
			S-INS-00228	A	The INGST CI shall report to the Error Log an unauthorized attempt to interactively request ingest of document data.
			S-INS-00229	A	The INGST CI shall allow authorized science users to save the contents of an interactively entered Document Ingest Request in a file with a specified file name.
			S-INS-00230	A	The INGST CI shall report status to the interactive submitter of a Document Ingest Request for the following: a. File transfer failure b. File size discrepancy 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. Unauthorized science user j. Missing required request information k. Successful archive of the data
			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.
DADS0110#B	Each DADS shall receive from the IMS, at a minimum, the following: a. Documents b. Product status dialog c. Product orders	B: TRMM, AM-1, Landsat-7 products	S-DSS-10040	A	The DDSRV CI shall accept Documents from the INGST CI.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00221	A	The INGST CI shall interactively accept Document Ingest Requests from authorized science users for ingest of a single collection of document Data from a location accessible via the ESN. The collection of document Data shall describe one or more document Data Granules.
			S-INS-00222	A	The INGST CI shall check the Document Ingest Request to verify that the date/time prior to which the data will remain available is a valid date/time in a Document Ingest Request entered interactively by a science user.
			S-INS-00224	A	The INGST CI shall allow a science user to specify the list of document granule files in an interactive Document Ingest Request based on a displayed list of existing files stored on magnetic disk.
			S-INS-00225	A	The INGST CI shall determine the data provider and assign the Priority Information for a Document Ingest Request entered interactively by a science user.
			S-INS-00226	A	The INGST CI shall automatically determine the data volume for each file in the list of document granule files for an interactively entered Document Ingest Request.
			S-INS-00227	A	The INGST CI shall authenticate that the interactive science user entering a Document Ingest Request is authorized to request ingest of data.
			S-INS-00228	A	The INGST CI shall report to the Error Log an unauthorized attempt to interactively request ingest of document data.
			S-INS-00229	A	The INGST CI shall allow authorized science users to save the contents of an interactively entered Document Ingest Request in a file with a specified file name.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00230	A	The INGST CI shall report status to the interactive submitter of a Document Ingest Request for the following: a. File transfer failure b. File size discrepancy 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. Unauthorized science user j. Missing required request information k. Successful archive of the data
			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.
DADS0120#A	Each DADS shall receive from the PGS, at a minimum, the following: a. L1-4 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.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			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.
DADS0120#B	Each DADS shall receive from the PGS, at a minimum, the following: a. L1-4 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.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			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.
			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.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS0130#A	Each DADS shall receive from the EDOS and SDPF, at a minimum, the following: a. Production data (L0) b. Expedited data	A: ONLY MSFC AND LARC DAACS WILL INTERFACE WITH SDPF, ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS. Items a. and b. applicable for SDPF. TRMM CERE/LIS, and EDOS I/F tesing only	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.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			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-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

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00990	A	The ICLHW CI at the LaRC DAAC shall be capable of ingesting data from the SDPF at the nominal daily rate specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A.
			S-INS-01050	A	The ICLHW CI at the MSFC DAAC shall be capable of ingesting data from the SDPF at the nominal daily rate specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A.
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-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.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			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.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			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
			S-DSS-03002	B	The SDSRV CI shall be capable of receiving L0 - L4 Data.
			S-INS-00600	B	The INGST CI shall ingest Data, provided by the EDOS, from physical media at the GSFC DAAC as a backup transfer mechanism.
			S-INS-00610	B	The INGST CI shall ingest Data, provided by the EDOS, from physical media at the LaRC DAAC as a backup transfer mechanism.
DADS0130#Ir1	Each DADS shall receive from the SDPF, at a minimum, the following: a. Production data (L0)	Receive TRMM (CERES & LIS) L0. Applies only to ingest and temporary storage for testing purposes only.	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.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			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
			S-INS-00062	IR1	The INGST CI shall report the following events by means of the CSS Event Logger Service, during the processing of a Network Ingest Request: a. Receipt of an unexpected message from the ingest provider b. Detection of invalid information on a message received from the ingest provider c. Communication failure with the provider of the Ingest Request, as reported to the INGST CI by CSS communication services d. File transfer failures reported to the INGST CI by CSS File Access Service e. Detection of discrepancies between the number of the file(s) received and the specifications in the Ingest Request.
			S-INS-00064	IR1	The INGST CI shall report the following events by means of the CSS Event Logger Service, during tests of the network ingest interface between ECS and external data providers: a. Receipt of a message by the Ingest interface b. Start of processing for a valid Ingest Request c. Completion of all processing associated with the Ingest Request

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS0140#A	Each DADS shall receive from other DAACs, at a minimum, the following for the purpose of product generation: a. L0-L4 b. Metadata c. Ancillary data d. Calibration data e. Correlative data f. Documents g. Algorithms	A: @ LIM level - to extent required for product generation	S-DSS-03010	A	The SDSRV CI shall be capable of receiving Calibration Data.
			S-DSS-03712	A	The SDSRV CI shall interface with the STMGT CI to provide storage for Research results (articles, algorithms, data sets, software).
			S-DSS-10170	A	The DDSRV CI shall receive user supplied documents in HTML & ASCII
			S-DSS-10190	A	The DDSRV CI shall receive Guide Data from Version 0 in HTML & ASCII
			S-DSS-10200	A	The DDSRV CI shall provide the capability to ingest documentation in ASCII text format.
			S-DSS-10204	A	The DDSRV CI shall provide the capability to ingest documentation in HTML format.
			S-DSS-00710	A	The SDSRV CI shall accept Data Insert Requests from other Data Servers.
			S-DSS-03310	A	The SDSRV CI shall be capable of receiving correlative data.
DADS0140#B	Each DADS shall receive from other DAACs, at a minimum, the following for the purpose of product generation: a. L0-L4 b. Metadata c. Ancillary data d. Calibration data e. Correlative data f. Documents g. Algorithms	B: full capability	S-DSS-03010	A	The SDSRV CI shall be capable of receiving Calibration Data.
			S-DSS-03712	A	The SDSRV CI shall interface with the STMGT CI to provide storage for Research results (articles, algorithms, data sets, software).
			S-DSS-10170	A	The DDSRV CI shall receive user supplied documents in HTML & ASCII

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-10190	A	The DDSRV CI shall receive Guide Data from Version 0 in HTML & ASCII
			S-DSS-10200	A	The DDSRV CI shall provide the capability to ingest documentation in ASCII text format.
			S-DSS-10204	A	The DDSRV CI shall provide the capability to ingest documentation in HTML format.
			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-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-10202	B	The DDSRV CI shall provide the capability to ingest documentation in Microsoft WORD format.
			S-DSS-10206	B	The DDSRV CI shall provide the capability to ingest documentation in Interleaf format.
			S-DSS-10208	B	The DDSRV CI shall provide the capability to ingest documentation in WordPerfect format.
			S-DSS-00710	A	The SDSRV CI shall accept Data Insert Requests from other Data Servers.
			S-DSS-03310	A	The SDSRV CI shall be capable of receiving correlative data.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS0145#A	Each DADS shall be capable of receiving from the ADCs, at a minimum, the following for the purpose of product generation: a. L0-L4 equivalent data sets b. Metadata c. Ancillary data d. Calibration data e. Correlative data f. Documents g. Algorithms	A: NOAA only	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-61020	A	The ACMHW CI at the LaRC DAAC shall be capable of ingesting data at a nominal rate of TBD bytes per day from the DAO by network data transfer.
			S-INS-00120	A	The INGST CI shall provide the capability for authorized operations staff to set the period between checking for the presence of external data granule files.
			S-DPS-31700	A	The PRONG CI shall extract metadata attributes for external Ancillary Data sets, in addition to metadata extraction by the INGST CI.
			S-INS-01030	A	The ICLHW CI at the LaRC DAAC shall be capable of ingesting data, by network data transfer from the NESDIS, at the nominal daily rate specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A.
			S-INS-01136	A	The ICLHW CI at the GSFC DAAC shall be capable of ingesting data from the DAO at the nominal daily rate specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A.
			S-INS-01138	A	The ICLHW CI at the LaRC DAAC shall be capable of ingesting data from the DAO at the nominal daily rate specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS0145#B	Each DADS shall be capable of receiving from the ADCs, at a minimum, the following for the purpose of product generation: a. L0-L4 equivalent data sets b. Metadata c. Ancillary data d. Calibration data e. Correlative data f. Documents g. Algorithms		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-61020	A	The ACMHW CI at the LaRC DAAC shall be capable of ingesting data at a nominal rate of TBD bytes per day from the DAO by network data transfer.
			S-INS-00120	A	The INGST CI shall provide the capability for authorized operations staff to set the period between checking for the presence of external data granule files.
			S-DPS-31700	A	The PRONG CI shall extract metadata attributes for external Ancillary Data sets, in addition to metadata extraction by the INGST 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-INS-00645	B	The INGST CI shall ingest Data, provided by the NMC, from the LAN 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-01035	B	The ICLHW CI at the LaRC DAAC shall be capable of ingesting data, by network data transfer from NESDIS, at the nominal daily rate specified in Tables E-3a and E-3b of appendix E of the current version of 304-CD-005 for Release B.
			S-INS-01140	B	The ICLHW CI at the LaRC DAAC shall be capable of ingesting data from the NMC at the nominal daily rate specified in Tables E-3a and E-3b of Appendix E of the current version of 304-CD-005 for Release B.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-61080	B	The ICLHW CI at the GSFC DAAC shall be capable of ingesting data from the NMC at the nominal daily rate specified in Appendix E (Section E.1, Table E-1 and Section E.2 Table E-2, and Section E.3 Tables E-3a and E-3b of the current version of 304-CD-005.
			S-INS-01137	B	The ICLHW CI at the GSFC DAAC shall be capable of ingesting data from the NMC at the nominal daily rate specified in Tables E-3a and E-3b of Appendix E of the current version of 304-CD-005 for Release B.
DADS0145#Ir1	Each DADS shall be capable of receiving from the ADCs, at a minimum, the following for the purpose of product generation: b. Metadata c. Ancillary data	This requirement is supported as follows: Ir1 shall have the capability to receive data from NESDIS and DAO for the purpose of testing the NESDIS and DAO Interfaces.	S-INS-00100	IR1	The INGST CI shall provide the capability to periodically check a location accessible to the ESN for the presence of data granule files.
			S-INS-00110	IR1	The INGST CI shall submit an Polling Ingest Request after detecting the presence of data granule files in a location accessible to the ESN. The request shall contain the file location.
			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.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00062	IR1	The INGST CI shall report the following events by means of the CSS Event Logger Service, during the processing of a Network Ingest Request: a. Receipt of an unexpected message from the ingest provider b. Detection of invalid information on a message received from the ingest provider c. Communication failure with the provider of the Ingest Request, as reported to the INGST CI by CSS communication services d. File transfer failures reported to the INGST CI by CSS File Access Service e. Detection of discrepancies between the number of the file(s) received and the specifications in the Ingest Request.
			S-INS-00064	IR1	The INGST CI shall report the following events by means of the CSS Event Logger Service, during tests of the network ingest interface between ECS and external data providers: a. Receipt of a message by the Ingest interface b. Start of processing for a valid Ingest Request c. Completion of all processing associated with the Ingest Request
DADS0150#B	Designated DADS shall receive from the ICC, at a minimum, the following: a. Instrument history log (or subset of history log) b. Associated Metadata		S-DSS-00700	A	The SDSRV CI shall be capable of receiving data from FOS.
			S-DSS-03150	A	The SDSRV CI shall be capable of receiving Instrument Historical Data.
			S-DSS-03160	A	The SDSRV CI shall be capable of receiving Metadata associated with Instrument Historical Data.
			S-INS-00720	A	The INGST CI shall ingest data, provided by the EOC, from the ESN using a file transfer protocol.
			S-DSS-03520	A	The SDSRV CI shall interface with the STMGT CI to provide storage for instrument historical data.
			S-DSS-03522	A	The SDSRV CI shall provide storage for Metadata associated with Instrument Historical Data.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS0160#A	A designated DADS shall receive from the EOC, at a minimum, the following: a. Spacecraft history log (or subset of history log) b. Associated Metadata	A: EOC early interface testing	S-INS-00720	A	The INGST CI shall ingest data, provided by the EOC, from the ESN using a file transfer protocol.
DADS0160#B	A designated DADS shall receive from the EOC, at a minimum, the following: a. Spacecraft history log (or subset of history log) b. Associated Metadata	B: Full capability	S-DSS-03270	A	The SDSRV CI shall be capable of receiving scientific calibration data.
			S-INS-00720	A	The INGST CI shall ingest data, provided by the EOC, from the ESN using a file transfer protocol.
			S-DSS-03290	B	The SDSRV CI shall be capable of receiving Spacecraft Historical Data.
			S-DSS-03660	B	The SDSRV CI shall interface with the STMGT CI to provide storage for spacecraft historical data.
DADS0170#A	Each DADS shall be capable of receiving from designated EPDSs and ODCs, at a minimum, the following: a. L0-L4 data sets b. Metadata c. Ancillary data d. Calibration data e. Correlative data f. Documents g. Algorithms	A: Landsat ingest early interface testing.	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-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-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.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			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
DADS0170#B	Each DADS shall be capable of receiving from designated EPDSs and ODCs, at a minimum, the following: a. L0-L4 data sets b. Metadata c. Ancillary data d. Calibration data e. Correlative data f. Documents g. Algorithms		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-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-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.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			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
			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-INS-00785	B	The INGST CI shall ingest Data, provided by the Landsat 7 Image Assessment System (IAS), from the LAN into the EDC DAAC using a file transfer protocol.
			S-INS-00787	B	The INGST CI shall ingest Data, provided by the Landsat 7 International Ground Stations (IGSs), into the EDC DAAC on 8 mm cartridge tape.
			S-INS-61040	B	The ICLHW CI at the EDC DAAC shall be capable of ingesting data from the Landsat 7 IAS at the nominal daily rate specified in Appendix E (Section E.1, Table E-1 Section E.2 Table E-2, and Section E.3 Tables E-3a and E-3b) of the current version of 304-CD-005.
			S-INS-61050	B	The ICLHW CI at the EDC DAAC shall be capable of ingesting data from the Landsat 7 IGSs at the nominal daily rate specified in Appendix E (Section E.1, Table E-1, Section E.2 Table E-2, and Section E.3 Tables E-3 Tables E-3a and E-3b) of the current version of 304-CD-005.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS0170#Ir1	Each DADS shall be capable of receiving from designated EPDSs and ODCs, at a minimum, the following: a. L0-L4 data sets b. Metadata	This requirement is supported as follows: Ir1 shall be capable of receiving and temporarily storing data from TSDIS for the purpose of testing the TSDIS 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-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-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

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00062	IR1	The INGST CI shall report the following events by means of the CSS Event Logger Service, during the processing of a Network Ingest Request: a. Receipt of an unexpected message from the ingest provider b. Detection of invalid information on a message received from the ingest provider c. Communication failure with the provider of the Ingest Request, as reported to the INGST CI by CSS communication services d. File transfer failures reported to the INGST CI by CSS File Access Service e. Detection of discrepancies between the number of the file(s) received and the specifications in the Ingest Request.
			S-INS-00064	IR1	The INGST CI shall report the following events by means of the CSS Event Logger Service, during tests of the network ingest interface between ECS and external data providers: a. Receipt of a message by the Ingest interface b. Start of processing for a valid Ingest Request c. Completion of all processing associated with the Ingest Request
DADS0175#A	The GSFC DADS shall receive from FDF, at a minimum : a. Orbit data b. Attitude data c. Metadata	A: receive only. Early interface testing for AM-1.	S-DSS-03560	A	The SDSRV CI shall interface with the STMGT CI to provide storage for Orbit/Attitude data.
			S-DSS-04100	A	The SDSRV CI shall supply instrument calibration data to the DDIST CI.
			S-DSS-04110	A	The SDSRV CI shall supply Metadata associated with instrument calibration data to the DDIST CI.
			S-DSS-03570	A	The SDSRV CI shall provide storage for Metadata associated with Orbit/Attitude data.
			S-DSS-04090	A	The SDSRV CI shall supply Metadata associated with FDF orbit data for AM-1 instruments to the DDIST CI.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS0175#B	The GSFC DADS shall receive from FDF, at a minimum : a. Orbit data b. Attitude data c. Metadata	B: full capability, THE GSFC DADS WILL RECEIVE REPAIRED ORBIT AND REPAIRED ATTITUDE DATA FOR AM-1 FROM FDF	S-DSS-03560	A	The SDSRV CI shall interface with the STMGT CI to provide storage for Orbit/Attitude data.
			S-DSS-04100	A	The SDSRV CI shall supply instrument calibration data to the DDIST CI.
			S-DSS-04110	A	The SDSRV CI shall supply Metadata associated with instrument calibration data to the DDIST CI.
			S-DSS-00270	B	The SDSRV CI shall accept and process Data Requests for Repaired Orbit Data.
			S-DSS-00280	B	The SDSRV CI shall accept and process Data Requests for Attitude Data.
			S-DSS-03050	B	The SDSRV CI shall be capable of receiving FDF Orbit Data for AM-1 instruments.
			S-DSS-03060	B	The SDSRV CI shall be capable of receiving FDF Attitude Data for AM-1 instruments.
			S-DSS-03100	B	The SDSRV CI shall be capable of receiving FDF Metadata for Orbit and Attitude data for AM-1 instruments.
			S-DSS-03460	B	The SDSRV CI shall interface with the STMGT CI to provide storage for FDF Orbit Data for AM-1 instruments.
			S-DSS-03470	B	The SDSRV CI's MD Component shall provide storage for Metadata associated with FDF Orbit and Attitude Data for AM-1 instruments.
			S-DSS-04082	B	The SDSRV CI shall supply FDF attitude data for AM-1 instruments packages to the DDIST CI.
			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-DSS-03570	A	The SDSRV CI shall provide storage for Metadata associated with Orbit/Attitude data.
			S-DSS-04090	A	The SDSRV CI shall supply Metadata associated with FDF orbit data for AM-1 instruments to the DDIST CI.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS0180#A	Each DADS shall receive from the users, at a minimum, the following: a. Metadata b. Correlative data c. Documents d. New derived data sets		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.
DADS0180#B	Each DADS shall receive from the users, at a minimum, the following: a. Metadata b. Correlative data c. Documents d. New derived data sets		S-INS-00180	A	The INGST CI shall interactively accept Network Ingest Requests from authorized science users for electronic network ingest of a collection of Data from a location accessible via the ESN. The collection of Data shall describe one or more Data Granules.
			S-INS-00190	A	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 in a Network Ingest Request entered interactively by a science user.
			S-INS-00200	A	The INGST CI shall allow a science user to specify the list of granule files in an interactive Network Ingest Request based on a displayed list of existing files stored on magnetic disk.
			S-INS-00205	A	The INGST CI shall determine the External Data Provider for a Network Ingest Request entered interactively by a science user.
			S-INS-00207	A	The INGST CI shall automatically determine the data volume for each file in the list of granule files for an interactively entered Network Ingest Request.

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00220	A	The INGST CI shall report status to the interactive submitter of a Network Ingest Request for the following: a. File transfer failure b. File size discrepancy 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. Unauthorized science user j. Missing required request information k. Successful archive of the data
			S-INS-00221	A	The INGST CI shall interactively accept Document Ingest Requests from authorized science users for ingest of a single collection of document Data from a location accessible via the ESN. The collection of document Data shall describe one or more document Data Granules.
			S-INS-00222	A	The INGST CI shall check the Document Ingest Request to verify that the date/time prior to which the data will remain available is a valid date/time in a Document Ingest Request entered interactively by a science user.
			S-INS-00224	A	The INGST CI shall allow a science user to specify the list of document granule files in an interactive Document Ingest Request based on a displayed list of existing files stored on magnetic disk.
			S-INS-00225	A	The INGST CI shall determine the data provider and assign the Priority Information for a Document Ingest Request entered interactively by a science user.
			S-INS-00226	A	The INGST CI shall automatically determine the data volume for each file in the list of document granule files for an interactively entered Document Ingest Request.
			S-INS-00227	A	The INGST CI shall authenticate that the interactive science user entering a Document Ingest Request is authorized to request ingest of data.
			S-INS-00228	A	The INGST CI shall report to the Error Log an unauthorized attempt to interactively request ingest of document data.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00229	A	The INGST CI shall allow authorized science users to save the contents of an interactively entered Document Ingest Request in a file with a specified file name.
			S-INS-00230	A	The INGST CI shall report status to the interactive submitter of a Document Ingest Request for the following: a. File transfer failure b. File size discrepancy 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. Unauthorized science user j. Missing required request information k. Successful archive of the data
			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-DSS-03361	B	The SDSRV CI shall be capable of receiving NMC data.
			S-DSS-03362	B	The SDSRV CI shall be capable of receiving First Look Products from the DAO.
			S-DSS-03363	B	The SDSRV CI shall be capable of receiving Reanalysis Products from the DAO.
			S-DSS-03364	B	The SDSRV CI shall be capable of receiving Final Analysis Products from the DAO.
			S-DSS-03741	B	The SDSRV CI shall interface with the STMGT CI to provide storage for NMC data.
			S-DSS-03742	B	The SDSRV CI shall interface with the STMGT CI to provide storage for First Look Products.
			S-DSS-03743	B	The SDSRV CI shall interface with the STMGT CI to provide storage for Reanalysis Products.
			S-DSS-03744	B	The SDSRV CI shall interface with the STMGT CI to provide storage for Final Analysis Products.
			S-DSS-04351	B	The SDSRV CI shall supply NMC data to the DDIST CI.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-04352	B	The SDSRV CI shall supply First Look Products to the DDIST CI.
			S-DSS-04353	B	The SDSRV CI shall supply Reanalysis Products to the DDIST CI.
			S-DSS-04354	B	The SDSRV CI shall supply Final Analysis Products to the DDIST CI.
			S-INS-00210	A	The INGST CI shall allow authorized science users to save the contents of an interactively entered Network Ingest Request in a Delivery Record file with a specified file name.
DADS0190#A	Each DADS shall receive from the SCF, at a minimum, the following: a. Special products (L1-L4) b. Metadata c. Ancillary data d. Calibration data e. Correlative data f. Documents g. Algorithms	A: Algorithm ingest and transfer to data server	C-CSS-60520	IR1	The CSS File Access Service shall support the File Transfer Protocol (FTP).
			C-CSS-60500	IR1	The CSS File Access Service shall provide functionality for interactive and non-interactive transfer of files (send and receive) between two host systems.
			S-DSS-03030	A	The SDSRV CI shall be capable of receiving Science Software Archive Packages.
			S-DSS-10040	A	The DDSRV CI shall accept Documents from the INGST CI.
			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-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.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DPS-40010	IR1	The AITTL CI shall have the capability to receive a Science Software Delivery from the SCF electronically via the network.
			C-CSS-60510	IR1	The CSS File Access Service shall be capable of transferring ASCII and binary files.
			C-CSS-60610	IR1	The CSS File Access Service shall allow selection of the file type (ASCII or binary).
			C-CSS-60600	IR1	The CSS File Access Service shall provide connection oriented operation for file transfers.
			C-CSS-60620	IR1	The CSS File Access Service shall support proxy mode of operation which enables transfer of files between two remote hosts.
			C-CSS-60630	IR1	The CSS File Access Service shall provide capability to list remote files
			C-CSS-60640	IR1	The CSS File Access Service shall support wildcards in files on the remote host.
			C-CSS-60650	IR1	The CSS File Access service shall support anonymous FTP which allows read access to all users.
			S-DSS-03310	A	The SDSRV CI shall be capable of receiving correlative data.
			S-DSS-03320	A	The SDSRV CI shall be capable of receiving Metadata associated with correlative data.
DADS0190#B	Each DADS shall receive from the SCF, at a minimum, the following: a. Special products (L1-L4) b. Metadata c. Ancillary data d. Calibration data e. Correlative data f. Documents g. Algorithms	B: Ingest and transfer of all other data	C-CSS-60520	IR1	The CSS File Access Service shall support the File Transfer Protocol (FTP).
			C-CSS-60500	IR1	The CSS File Access Service shall provide functionality for interactive and non-interactive transfer of files (send and receive) between two host systems.
			S-DSS-03030	A	The SDSRV CI shall be capable of receiving Science Software Archive Packages.
			S-DSS-10040	A	The DDSRV CI shall accept Documents from the INGST CI.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			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-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-DPS-40010	IR1	The AITTL CI shall have the capability to receive a Science Software Delivery from the SCF electronically via the network.
			C-CSS-60510	IR1	The CSS File Access Service shall be capable of transferring ASCII and binary files.
			C-CSS-60610	IR1	The CSS File Access Service shall allow selection of the file type (ASCII or binary).
			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-INS-00682	B	The INGST CI shall ingest Data, provided by an SCF, from the LAN into the GSFC DAAC using a file transfer protocol.
			S-INS-00684	B	The INGST CI shall ingest Data, provided by an SCF, from the LAN into the JPL DAAC using a file transfer protocol.
			C-CSS-60600	IR1	The CSS File Access Service shall provide connection oriented operation for file transfers.
			C-CSS-60620	IR1	The CSS File Access Service shall support proxy mode of operation which enables transfer of files between two remote hosts.
			C-CSS-60630	IR1	The CSS File Access Service shall provide capability to list remote files
			C-CSS-60640	IR1	The CSS File Access Service shall support wildcards in files on the remote host.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			C-CSS-60650	IR1	The CSS File Access service shall support anonymous FTP which allows read access to all users.
			S-DSS-03310	A	The SDSRV CI shall be capable of receiving correlative data.
			S-DSS-03320	A	The SDSRV CI shall be capable of receiving Metadata associated with correlative data.
			S-DSS-03330	B	The SDSRV CI shall be capable of receiving Special Data Products.
DADS0190#Ir1	Each DADS shall receive from the SCF, at a minimum, the following: g. Algorithms	Ir1: This requirement is supported as follows: Ir1 shall provide the capability for the SCF to transfer data to the AITTL CI via ftp.	C-CSS-60520	IR1	The CSS File Access Service shall support the File Transfer Protocol (FTP).
			C-CSS-60500	IR1	The CSS File Access Service shall provide functionality for interactive and non-interactive transfer of files (send and receive) between two host systems.
			S-DPS-40010	IR1	The AITTL CI shall have the capability to receive a Science Software Delivery from the SCF electronically via the network.
DADS0200#B	Each DADS shall receive from the IPs at a minimum, the following: a. L0-L4 data products b. Orbit/attitude data c. Metadata associated with data sets d. Ancillary data e. Calibration data f. Correlative data g. Documents h. Algorithms	B: ASTER GDS INTERFACES IS TO EDC DAAC ONLY. DATA AVAILABLE SCHEDULES FROM EDOS. B: ASTER GSD INTERFACES TO EDC DAAC ONLY.B: ASTER LEVEL 1A + 1B, METADATA, CALIBRATION DATA; ALSO, ASTER PRODUCTS, ANCILLARY DATA, CORRELATIVE DATA (ON REQUEST)	S-DSS-03120	A	The SDSRV CI shall be capable of receiving Metadata associated with Instrument Calibration Data.
			S-DSS-03190	B	The SDSRV CI shall be capable of receiving Orbit/Attitude data.
			S-DSS-03200	B	The SDSRV CI shall be capable of receiving Metadata associated with Orbit/Attitude data.
			S-INS-00790	B	The INGST CI shall ingest data, received on physical media from the ASTER GDS, into the EDC DAAC.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00854	B	The INGST CI shall ingest Data, provided by the ASF Receiving Ground Station (RGS) via a network interface using a file transfer protocol.
			S-INS-00856	B	The INGST CI shall ingest Data, provided by the ASF SAR Processing System (SPS) via a network interface using a file transfer protocol.
			S-INS-00850	B	The INGST CI shall ingest Data, provided by SAGE III, into the LaRC DAAC.
			S-INS-00852	B	The INGST CI shall ingest Data, provided by ACRIM, into the LaRC DAAC.
			S-INS-61110	B	The ICLHW CI at the JPL DAAC shall be capable of ingesting data from RADAR-ALT at the nominal daily rate specified in Appendix E (Section E.1 Table E-1, Section E.2 Table E-2, and Section E.3 Tables E-3a and E-3b) of the current version of 304-CD-005.
			S-INS-61140	B	The ICLHW CI at the LaRC DAAC shall be capable of ingesting data from SAGE III at the nominal daily rate specified in Appendix E (Section E.1 Table E-1, Section E.2 Table E-2, and Section E.3 Tables E-3a and E-3b) of the current version of 304-CD-005.
			S-INS-61150	B	The ICLHW CI at the ASF DAAC shall be capable of ingesting data from the ASF RGS at the nominal daily rate specified in Appendix E (Section E.1 Table E-1, Section E.2 Table E-2, and Section E.3 Tables E-3a and E-3b) of the current version of 304-CD-005.
			S-INS-61160	B	The ICLHW CI at the ASF DAAC shall be capable of ingesting data from the ASF SPS at the nominal daily rate specified in Appendix E (Section E.1 Table E-1, Section E.2 Table E-2, and Section E.3 Tables E-3a and E-3b) of the current version of 304-CD-005.
			S-INS-61170	B	The ICLHW CI at the LaRC DAAC shall be capable of ingesting data from ACRIM at the nominal daily rate specified in Appendix E (Section E.1 Table E-1, Section E.2 Table E-2, and Section E.3 Tables E-3a and E-3b) of the current version of 304-CD-005.
			S-INS-00841	B	The INGST CI shall ingest data, provided by RADARSAT Geophysical Processing System (RGPS), into the ASF DAAC via file transfer protocol.
			S-INS-00843	B	The INGST CI shall ingest data, provided by the Acquisition Planning System (APS), into the ASF DAAC via file transfer protocol.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00847	B	The INGST CI shall ingest data, provided by the Production Planning System (PPS), into the ASF DAAC via file transfer protocol.
			S-INS-00849	B	The INGST CI shall ingest data, provided by the Flight Agency Interface (FAIF), into the ASF DAAC via file transfer protocol.
			S-INS-00845	B	The INGST CI shall ingest data, provided by the Product Verification System (PVS), into the ASF DAAC via file transfer protocol.
DADS0210#A	Each DADS shall be capable of receiving, at a minimum, the following types of EOS instrument data in support of pre-launch checkout of the ground system: a. Real EOS instrument data b. Simulated EOS instrument data	Rel A has AM-1 and Landsat-7 ingest capability for early interface testing using simulated data			
DADS0210#B	Each DADS shall be capable of receiving, at a minimum, the following types of EOS instrument data in support of pre-launch checkout of the ground system: a. Real EOS instrument data b. Simulated EOS instrument data	Rel B: Data server receipt of real and simulated 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-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
			S-DSS-03122	B	The SDSRV CI shall be capable of receiving real EOS instrument data to support pre-launch checkout of the ground system.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-03124	B	The SDSRV CI shall be capable of receiving simulated EOS instrument data to support pre-launch checkout of the ground system.
DADS0220#A	Each DADS shall accept, at a minimum, the following data types in support of development of initial calibration: a. Instrument calibration data b. Scientific calibration		S-DSS-03010	A	The SDSRV CI shall be capable of receiving Calibration Data.
			S-DSS-03110	A	The SDSRV CI shall be capable of receiving Instrument Calibration Data.
			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-DSS-03650	A	The SDSRV CI shall provide storage for Metadata associated with scientific calibration data.
DADS0220#B	Each DADS shall accept, at a minimum, the following data types in support of development of initial calibration: a. Instrument calibration data b. Scientific calibration		S-DSS-03010	A	The SDSRV CI shall be capable of receiving Calibration Data.
			S-DSS-03110	A	The SDSRV CI shall be capable of receiving Instrument Calibration Data.
			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-DSS-03650	A	The SDSRV CI shall provide storage for Metadata associated with scientific calibration data.
DADS0240#B	Each DADS shall accept from the SMC, at a minimum, detailed science plans.				
DADS0250#A	Each DADS shall receive, at a minimum, data in the following forms: a. Physical electronic media b. Electronic communications network c. Hardcopy media	A: Physical electronic and network	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.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			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-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-00410	A	The INGST CI shall provide the capability to electronically transfer data to be ingested via the ESN into a specified ECS storage location.
			S-INS-00415	IR1	The INGST CI shall provide an interim capability to electronically transfer data to be ingested via the ESN into a specified ECS storage location for early interface testing purposes.
			S-INS-00420	A	The INGST CI shall provide the capability for an external application to transfer data to be ingested into a specified ECS storage location.
			S-INS-00425	A	The INGST CI shall provide the capability to request transfer of data from an 8mm tape.
			S-INS-00430	A	The INGST CI shall provide the capability by means of a Working Storage Allocation Request to the Data Server to allocate storage space for data to be transferred to satisfy an ingest request.
			S-INS-00800	A	The INGST CI shall ingest Data, provided by Version 0, from the LaRC DAAC using a file transfer protocol.
			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 of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-61010	A	The ACMHW CI at the LaRC DAAC shall be capable of ingesting Version 0 data by network data transfer at the nominal rate specified in Section E.4 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-INS-00810	A	The INGST CI shall ingest Data, provided by Version 0, from the GSFC DAAC on 8mm tape.
			S-INS-00830	A	The INGST CI shall ingest Data, provided by Version 0, from the MSFC DAAC on 8mm tape.
			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.5 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			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 of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-90320	A	The DIPHW CI at the LARC 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 of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
DADS0250#B	Each DADS shall receive, at a minimum, data in the following forms: a. Physical electronic media b. Electronic communications network c. Hardcopy media		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-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.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			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-00410	A	The INGST CI shall provide the capability to electronically transfer data to be ingested via the ESN into a specified ECS storage location.
			S-INS-00415	IR1	The INGST CI shall provide an interim capability to electronically transfer data to be ingested via the ESN into a specified ECS storage location for early interface testing purposes.
			S-INS-00420	A	The INGST CI shall provide the capability for an external application to transfer data to be ingested into a specified ECS storage location.
			S-INS-00425	A	The INGST CI shall provide the capability to request transfer of data from an 8mm tape.
			S-INS-00430	A	The INGST CI shall provide the capability by means of a Working Storage Allocation Request to the Data Server to allocate storage space for data to be transferred to satisfy an ingest request.
			S-INS-00800	A	The INGST CI shall ingest Data, provided by Version 0, from the LaRC DAAC using a file transfer protocol.
			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 of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-61010	A	The ACMHW CI at the LaRC DAAC shall be capable of ingesting Version 0 data by network data transfer at the nominal rate specified in Section E.4 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-INS-00810	A	The INGST CI shall ingest Data, provided by Version 0, from the GSFC DAAC on 8mm tape.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00830	A	The INGST CI shall ingest Data, provided by Version 0, from the MSFC DAAC on 8mm tape.
			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.5 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			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 of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-90320	A	The DIPHW CI at the LARC 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 of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-INS-60900	B	The INGST CI shall provide the necessary hardware/software to perform scanning and/or digitizing of hardcopy documents for the purpose of imputting document request from authorized users.
DADS0250#Ir1	Each DADS shall receive, at a minimum, data in the following forms: b. Electronic communications network	IR1: This requirement is supported as follows: IR1 shall have the capability to receive data via an electronic communications network for the purpose of testing external interfaces to the Ingest subsystem.	S-INS-00415	IR1	The INGST CI shall provide an interim capability to electronically transfer data to be ingested via the ESN into a specified ECS storage location for early interface testing purposes.
DADS0260#A	Each DADS shall receive non-EOS correlative and ancillary digital data.	A: TRMM testing	S-INS-00100	IR1	The INGST CI shall provide the capability to periodically check a location accessible to the ESN for the presence of data granule files.
			S-INS-00110	IR1	The INGST CI shall submit an Polling Ingest Request after detecting the presence of data granule files in a location accessible to the ESN. The request shall contain the file location.
			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.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			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-DSS-03310	A	The SDSRV CI shall be capable of receiving correlative data.
			S-DSS-03320	A	The SDSRV CI shall be capable of receiving Metadata associated with correlative data.
DADS0260#B	Each DADS shall receive non-EOS correlative and ancillary digital data.	B: AM-1 ancillary and correlative data	S-INS-00100	IR1	The INGST CI shall provide the capability to periodically check a location accessible to the ESN for the presence of data granule files.
			S-INS-00110	IR1	The INGST CI shall submit an Polling Ingest Request after detecting the presence of data granule files in a location accessible to the ESN. The request shall contain the file location.
			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-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-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-DSS-03310	A	The SDSRV CI shall be capable of receiving correlative data.
			S-DSS-03320	A	The SDSRV CI shall be capable of receiving Metadata associated with correlative data.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS0260#Ir1	Each DADS shall receive non-EOS correlative and ancillary digital data.	This requirement is supported as follows: IR1 shall have the capability to receive data from NOAA for the purpose of testing the NOAA interface to the Ingest subsystem.	S-INS-00100	IR1	The INGST CI shall provide the capability to periodically check a location accessible to the ESN for the presence of data granule files.
			S-INS-00110	IR1	The INGST CI shall submit an Polling Ingest Request after detecting the presence of data granule files in a location accessible to the ESN. The request shall contain the file location.
			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.
DADS0281#A	Each DADS shall be capable of ingesting and storing data to support the instrument science team(s) in: a. Pre-launch checkout of their instruments b. Pre-launch science checkout c. Development of initial calibration information		S-DSS-03480	A	The SDSRV CI shall interface with the STMGT CI to provide storage for instrument calibration data.
			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.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS0281#B	Each DADS shall be capable of ingesting and storing data to support the instrument science team(s) in: a. Pre-launch checkout of their instruments b. Pre-launch science checkout c. Development of initial calibration information		S-DSS-03480	A	The SDSRV CI shall interface with the STMGT CI to provide storage for instrument calibration data.
			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-03200	B	The INGST CI shall be capable of operating in an off-line (test) mode.
			S-DSS-20457	B	The SDSRV CI shall interface with the STMGT CI to provide storage for real EOS instrument data to support pre-launch instrument checkout.
			S-DSS-20465	B	The SDSRV CI shall interface with the STMGT CI to provide storage for simulated EOS instrument data to support pre-launch instrument checkout.
DADS0282#B	Each DADS shall be capable of storage and retrieval of real and simulated EOS instrument data in support of pre-launch checkout of the ground system.	B: Simulated and real data	S-DSS-03122	B	The SDSRV CI shall be capable of receiving real EOS instrument data to support pre-launch checkout of the ground system.
			S-DSS-03124	B	The SDSRV CI shall be capable of receiving simulated EOS instrument data to support pre-launch checkout of the ground system.
			S-DSS-03492	B	The SDSRV CI shall interface with the STMGT CI to provide storage for real EOS instrument data to support pre-launch checkout of the ground system.
			S-DSS-03494	B	The SDSRV CI shall interface with the STMGT CI to provide storage for simulated EOS instrument data to support pre-launch checkout of the ground system.
			S-DSS-04112	B	The SDSRV CI shall be capable of supplying real EOS instrument data to support pre-launch checkout of the ground system to the DDIST CI.
			S-DSS-04114	B	The SDSRV CI shall be capable of supplying simulated EOS instrument data to support pre-launch checkout of the ground system to the DDIST CI.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-20450	B	The STMGT CI shall provide the capability to archive real EOS instrument data to support pre-launch checkout of the ground system.
			S-DSS-20455	B	The STMGT CI shall provide the capability to retrieve real EOS instrument data to support pre-launch check out of ground systems.
			S-DSS-20460	B	The STMGT CI shall provide the capability to archive simulated EOS instrument data to support pre-launch checkout of the ground system.
			S-DSS-20462	B	The STMGT CI shall provide the capability to retrieve simulated EOS instrument data to support pre-launch checkout of the ground system.
			S-DSS-20470	B	The STMGT CI shall provide the capability to retrieve simulated EOS instrument data to support pre-launch checkout of the ground system.
DADS0290#A	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, and correctness of the data set granule size.	Full capability A: TRMM only	S-DSS-03370	A	Upon receipt of data types the SDSRV CI shall perform data type specific checking.
			S-INS-00406	A	The INGST CI shall check selected parameters from extracted metadata to verify: a. Metadata parameters stored in a dataset specific format b. For numeric metadata parameters limited by a range of values, that parameter values lie within the specified range c. For metadata parameters with values limited to a set of discrete values, that parameter values are listed in the specified set d. That the metadata parameter syntax is correct e. For metadata containing parameters describing the data size, that the data size is correct (within a specified tolerance) f. That date / time values include a valid month, day of month, hour, minute, and second g. That date / time values include a year value within a range specific for that date / time value
			S-INS-00460	A	The INGST CI shall determine the size of each file transferred to ECS whenever file sizes are specified in the corresponding Ingest Request.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00470	A	The INGST CI shall compare the size of each file after data transfer to ECS with file sizes specified in the corresponding Ingest Request.
			S-INS-00480	A	The INGST CI shall verify that all files specified in an Ingest Request are successfully transferred to ECS.
DADS0290#B	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.		S-DSS-03370	A	Upon receipt of data types the SDSRV CI shall perform data type specific checking.
			S-INS-00406	A	The INGST CI shall check selected parameters from extracted metadata to verify: a. Metadata parameters stored in a dataset specific format b. For numeric metadata parameters limited by a range of values, that parameter values lie within the specified range c. For metadata parameters with values limited to a set of discrete values, that parameter values are listed in the specified set d. That the metadata parameter syntax is correct e. For metadata containing parameters describing the data size, that the data size is correct (within a specified tolerance) f. That date / time values include a valid month, day of month, hour, minute, and second g. That date / time values include a year value within a range specific for that date / time value
			S-INS-00460	A	The INGST CI shall determine the size of each file transferred to ECS whenever file sizes are specified in the corresponding Ingest Request.
			S-INS-00470	A	The INGST CI shall compare the size of each file after data transfer to ECS with file sizes specified in the corresponding Ingest Request.
			S-INS-00480	A	The INGST CI shall verify that all files specified in an Ingest Request are successfully transferred to ECS.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS0300#A	Each DADS shall generate status indicating the success or failure of metadata and data consistency checks.	Full capability	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-00220	A	The INGST CI shall report status to the interactive submitter of a Network Ingest Request for the following: a. File transfer failure b. File size discrepancy 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. Unauthorized science user j. Missing required request information k. Successful archive of the data
			S-INS-00230	A	The INGST CI shall report status to the interactive submitter of a Document Ingest Request for the following: a. File transfer failure b. File size discrepancy 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. Unauthorized science user j. Missing required request information k. Successful archive of the data

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00340	A	The INGST CI shall report status on processing of an Ingest Request to the Error Log for the following: a. File transfer failure b. File size discrepancy c. Invalid Data Type Identifier d. Missing required metadata e. Metadata parameters out of range f. Metadata extraction failure g. Data conversion failure h. Data reformatting failure i. Failure to archive data j. Inability to transfer data within the specified time window k. Missing required request information l. Unauthorized Ingest Request submitter m. Successful archive of the data
DADS0300#B	Each DADS shall generate status indicating the success or failure of metadata and data consistency checks.	Full capability	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-00220	A	The INGST CI shall report status to the interactive submitter of a Network Ingest Request for the following: a. File transfer failure b. File size discrepancy 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. Unauthorized science user j. Missing required request information k. Successful archive of the data

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00230	A	The INGST CI shall report status to the interactive submitter of a Document Ingest Request for the following: a. File transfer failure b. File size discrepancy 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. Unauthorized science user j. Missing required request information k. Successful archive of the data
			S-INS-00340	A	The INGST CI shall report status on processing of an Ingest Request to the Error Log for the following: a. File transfer failure b. File size discrepancy c. Invalid Data Type Identifier d. Missing required metadata e. Metadata parameters out of range f. Metadata extraction failure g. Data conversion failure h. Data reformatting failure i. Failure to archive data j. Inability to transfer data within the specified time window k. Missing required request information l. Unauthorized Ingest Request submitter m. Successful archive of the data
DADS0310#A	Each DADS shall verify that data received came from an approved/authorized source.		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.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			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-00208	A	The INGST CI shall authenticate that the interactive science user entering a Network Ingest Request is authorized to request ingest of data.
			S-INS-00209	A	The INGST CI shall report to the Error Log an unauthorized attempt to interactively request ingest of data.
			S-INS-00227	A	The INGST CI shall authenticate that the interactive science user entering a Document Ingest Request is authorized to request ingest of data.
			S-INS-00228	A	The INGST CI shall report to the Error Log an unauthorized attempt to interactively request ingest of document data.
			S-INS-00290	A	The INGST CI shall authenticate the User Identifier of operations staff requesting status on all ongoing Ingest Requests.
			S-INS-00295	A	The INGST CI shall return an error status to the requester and log information in the Error Log if status is requested on ongoing Ingest Requests from an unauthorized requester.
			S-INS-00317	A	The INGST CI shall authenticate the User Identifier of an application submitting an Ingest Request.
			S-INS-00175	A	The INGST CI shall report Hard Media Ingest Request status to the MSS event log for the following: a. Unauthorized hard media provider b. Unauthorized operations staff
DADS0310#B	Each DADS shall verify that data received came from an approved/authorized source.		S-INS-00030	IR1	The INGST CI shall authenticate the provider of a Network Ingest Request as an authorized provider of data to be ingested.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00040	IR1	The INGST CI shall report status to the provider of a Network Ingest Request and to the Error Log indicating successful or unsuccessful authentication of the provider as authorized to submit the request.
			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-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-00208	A	The INGST CI shall authenticate that the interactive science user entering a Network Ingest Request is authorized to request ingest of data.
			S-INS-00209	A	The INGST CI shall report to the Error Log an unauthorized attempt to interactively request ingest of data.
			S-INS-00227	A	The INGST CI shall authenticate that the interactive science user entering a Document Ingest Request is authorized to request ingest of data.
			S-INS-00228	A	The INGST CI shall report to the Error Log an unauthorized attempt to interactively request ingest of document data.
			S-INS-00290	A	The INGST CI shall authenticate the User Identifier of operations staff requesting status on all ongoing Ingest Requests.
			S-INS-00295	A	The INGST CI shall return an error status to the requester and log information in the Error Log if status is requested on ongoing Ingest Requests from an unauthorized requester.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00317	A	The INGST CI shall authenticate the User Identifier of an application submitting an Ingest Request.
			S-INS-00175	A	The INGST CI shall report Hard Media Ingest Request status to the MSS event log for the following: a. Unauthorized hard media provider b. Unauthorized operations staff
DADS0320#A	Each DADS shall verify compliance of scientist provided data with EOSDIS defined standards for metadata and file content (not scientific content).	A: in support of ingest interface testing	S-INS-00400	A	The INGST CI shall convert ingested data into a form accepted by the SDSRV CI / DDSRV CI, for following data types: a. NMC GRIB data.
			S-INS-00404	A	The INGST CI shall extract metadata from ingested data into a form accepted by the Science Data Server / Document Data Server, as needed, for the following categories of data: a. Metadata parameters stored by parameter byte order and parameter byte length; b. Metadata parameters stored in PVL format; c. Metadata parameters stored in HDF format; d. Dataset-specific metadata formats
			S-INS-00403	A	The INGST CI shall perform the following metadata conversions: a. PB5 time into ECS standard date / time format; b. Binary integer values into ASCII integer format; c. Binary floating point values into ASCII floating point format.
DADS0320#B	Each DADS shall verify compliance of scientist provided data with EOSDIS defined standards for metadata and file content (not scientific content).		S-INS-00400	A	The INGST CI shall convert ingested data into a form accepted by the SDSRV CI / DDSRV CI, for following data types: a. NMC GRIB data.
			S-INS-00404	A	The INGST CI shall extract metadata from ingested data into a form accepted by the Science Data Server / Document Data Server, as needed, for the following categories of data: a. Metadata parameters stored by parameter byte order and parameter byte length; b. Metadata parameters stored in PVL format; c. Metadata parameters stored in HDF format; d. Dataset-specific metadata formats
			S-INS-00403	A	The INGST CI shall perform the following metadata conversions: a. PB5 time into ECS standard date / time format; b. Binary integer values into ASCII integer format; c. Binary floating point values into ASCII floating point format.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-03400	B	The SDSRV CI shall verify compliance of scientist provided data with EOSDIS defined standards for file content and structure (not scientific content).
			S-DSS-03410	B	The SDSRV CI shall verify compliance of scientist provided Metadata with EOSDIS defined standards for Metadata content and structure (not scientific content).
			S-INS-00402	B	The INGST CI shall reformat ingested data into a form accepted by the SDSRV CI/DDSRV CI, as needed.
			S-INS-03103	B	"The INGST CI shall extract metadata from ingested data into a form accepted by the Science Data Server/Document Data Server, as needed, for the following categories of data:" a. Metadata parameters stored in a data-set-specific format
			S-INS-00401	B	The INGST CI shall convert ingested data into a form accepted by the SDSRV CI/DDSRV CI.
DADS0350#A	Each DADS shall generate the following metadata items, at a minimum: a. Unique Granule Id for L0 b. Date and time of storage c. Physical location d. Data check status e. Unique format identifiers	A: all	S-INS-00325	A	The INGST CI shall determine the ingest start/stop dates and times for all ingested data.
			S-INS-00330	A	The INGST CI shall determine the Data Type Identifier for a set of ingested files, whenever the identifier was not provided in the Ingest Request.
			S-DSS-04380	A	The STMGT CI shall store the following Metadata: granule id, date and time of storage, data check status and data format type.
DADS0350#B	Each DADS shall generate the following metadata items, at a minimum: a. Unique Granule Id for L0 b. Date and time of storage c. Physical location d. Data check status e. Unique format identifiers		S-INS-00325	A	The INGST CI shall determine the ingest start/stop dates and times for all ingested data.
			S-INS-00330	A	The INGST CI shall determine the Data Type Identifier for a set of ingested files, whenever the identifier was not provided in the Ingest Request.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00405	A	The INGST CI shall append the following ingest-specific metadata to metadata corresponding to ingested data: a. Ingest start date and time b. Ingest stop date and time c. Metadata parameter check status d. Total data volume
			S-DSS-04380	A	The STMGT CI shall store the following Metadata: granule id, date and time of storage, data check status and data format type.
DADS0360#A	Each DADS shall augment PGS-generated metadata with DADS-generated metadata.		S-DSS-04380	A	The STMGT CI shall store the following Metadata: granule id, date and time of storage, data check status and data format type.
DADS0360#B	Each DADS shall augment PGS-generated metadata with DADS-generated metadata.		S-INS-00405	A	The INGST CI shall append the following ingest-specific metadata to metadata corresponding to ingested data: a. Ingest start date and time b. Ingest stop date and time c. Metadata parameter check status d. Total data volume
			S-DSS-04380	A	The STMGT CI shall store the following Metadata: granule id, date and time of storage, data check status and data format type.
DADS0370#A	Each DADS shall provide the IMS with metadata on newly stored data granules.	A: Release A Metadata described in the Data Type Matrix	S-DSS-00450	A	The SDSRV CI shall provide Advertisements that indicate the class of data available from the Data Server.
			S-DSS-03820	A	Each SDSRV CI Advertisement shall identify the service's interface.
			S-DSS-03830	A	Each SDSRV CI Advertisement shall include Service Descriptions.
			S-DSS-21366	A	The STMGT CI shall provide storage for the Metadata associated with the Data Products listed in Appendix F of the current version of 304-CD-005.
			S-DSS-04380	A	The STMGT CI shall store the following Metadata: granule id, date and time of storage, data check status and data format type.
			S-DSS-04370	A	The SDSRV CI shall have the ability to store product specific Metadata.
			S-DSS-04400	A	The SDSRV CI shall have the ability to store references to calibration data as Metadata for science data.
			S-DSS-04420	A	The SDSRV CI shall have the ability to store references to instrument engineering data as Metadata for science data.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-04430	A	The SDSRV CI shall have the ability to store references to Science Software Archive Packages as Metadata for science data.
			S-DSS-04450	A	The SDSRV CI shall have the ability to store references to Production History data as Metadata for science data.
			S-DSS-04440	A	The SDSRV CI shall have the ability to store references to data generation software as Metadata for science data.
			S-DSS-04460	A	The SDSRV CI shall have the ability to store references to data recipients as Metadata for science data.
			S-DSS-04470	A	The SDSRV CI shall have the ability to store references to the data production facility as Metadata for science data.
			S-DSS-04480	A	The SDSRV CI shall have the ability to store references to QA Statistics as Metadata for science data.
			S-DSS-04490	A	The SDSRV CI shall have the ability to store references to reference documentation as Metadata for science data.
DADS0370#B	Each DADS shall provide the IMS with metadata on newly stored data granules.	B: Release B Metadata described in the Data Type Matrix	S-DSS-00450	A	The SDSRV CI shall provide Advertisements that indicate the class of data available from the Data Server.
			S-DSS-03820	A	Each SDSRV CI Advertisement shall identify the service's interface.
			S-DSS-03830	A	Each SDSRV CI Advertisement shall include Service Descriptions.
			S-DSS-04410	B	The SDSRV CI's MD Component shall have the ability to store references to Orbit/Attitude Data as Metadata for science data.
			S-DSS-04500	B	The SDSRV CI's MD Component shall have the ability to indicate the need for on-demand product generation as Metadata for science data.
			S-DSS-21366	A	The STMGT CI shall provide storage for the Metadata associated with the Data Products listed in Appendix F of the current version of 304-CD-005.
			S-DSS-04380	A	The STMGT CI shall store the following Metadata: granule id, date and time of storage, data check status and data format type.
			S-DSS-04370	A	The SDSRV CI shall have the ability to store product specific Metadata.
			S-DSS-04400	A	The SDSRV CI shall have the ability to store references to calibration data as Metadata for science data.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-04420	A	The SDSRV CI shall have the ability to store references to instrument engineering data as Metadata for science data.
			S-DSS-04430	A	The SDSRV CI shall have the ability to store references to Science Software Archive Packages as Metadata for science data.
			S-DSS-04450	A	The SDSRV CI shall have the ability to store references to Production History data as Metadata for science data.
			S-DSS-04440	A	The SDSRV CI shall have the ability to store references to data generation software as Metadata for science data.
			S-DSS-04460	A	The SDSRV CI shall have the ability to store references to data recipients as Metadata for science data.
			S-DSS-04470	A	The SDSRV CI shall have the ability to store references to the data production facility as Metadata for science data.
			S-DSS-04480	A	The SDSRV CI shall have the ability to store references to QA Statistics as Metadata for science data.
			S-DSS-04490	A	The SDSRV CI shall have the ability to store references to reference documentation as Metadata for science data.
DADS0405#B	Each DADS shall provide the capability to archive multiple versions of selected archive data.	"Selected archive data" means Level 1b and above	S-DSS-20610	B	The STMGT CI shall provide the capability to archive multiple versions of Data Granules.
DADS0410#B	Each DADS shall archive the current version of a product, making the preceding version of a product eligible for deletion.		S-DSS-20720	B	The STMGT CI shall provide a mechanism to mark data for deletion. The mechanism shall be based on selection of max time to store data before it's deleted from storage. It shall also mark earlier versions when multiple versions have been archived.
DADS0412#B	Each DADS shall notify users when a product becomes eligible for deletionvia direct notification and via the ECS bulletin board. The product eligible for deletion shall be deleted after six months unless the DADS is directed otherwise by appropriate authority.		S-DSS-01520	B	The SDSRV CI shall provide the capability to notify a user that a new version of the data has been archived.
			S-DSS-20260	B	For each piece of archive media, the STMGT CI shall provide the capability to display the length of time to store data on the media before deletion.

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-20270	B	The STMGT CI shall provide the capability to change the length of time to store data on archive media before deletion of the data.
			S-DSS-20280	B	The STMGT CI shall provide the capability to directly notify active users when Data Products will be deleted.
			S-DSS-20290	B	The STMGT CI shall provide the capability to indirectly notify users when Data Products will be deleted via a bulletin board type mechanism.
			S-DSS-20730	B	The STMGT CI shall provide a mechanism to automatically delete archived data which has been marked for deletion.
DADS0425#A	Archive and backup media at each DADS shall have a rated shelf life of at least 10 years as determined by the National Archives and Records Administration (NARA), National Institute for Standards and Technology (NIST), NASA, or a professional or industry organization such as ANSI, the Society of Motion Picture and Television Engineers (SMPTE) or the National Association of Broadcasters (NAB).	A: S-DSS-21655 applies for A/B/C/D for all selected or follow-on form factors.	S-DSS-21655	A	The Science Management within the Data Server shall utilize media with a rated shelf life of at least 10 years as determined by National Archives and Record Administration (NARA), National Institute for Standards and Technology (NIST), NASA or an industry organization.
DADS0425#B	Archive and backup media at each DADS shall have a rated shelf life of at least 10 years as determined by the National Archives and Records Administration (NARA), National Institute for Standards and Technology (NIST), NASA, or a professional or industry organization such as ANSI, the Society of Motion Picture and Television Engineers (SMPTE) or the National Association of Broadcasters (NAB).	B: S-DSS-21655 applies for A/B/C/D for all selected or follow-on form factors.	S-DSS-21655	A	The Science Management within the Data Server shall utilize media with a rated shelf life of at least 10 years as determined by National Archives and Record Administration (NARA), National Institute for Standards and Technology (NIST), NASA or an industry organization.
DADS0430#A	Each DADS shall provide its operations personnel the capability to manually alter the routing of data sets to physical storage locations.	A: Can monitor the allocation of storage devices and alter the allocation of storage devices at a Data Server Level.	S-DSS-20520	A	The STMGT CI shall provide operations staff the capability to change the allocation of storage devices to individual Data Servers.
			S-DSS-20530	A	The STMGT CI shall provide the capability to display/view/print the allocation of storage devices to Data Servers.

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-20540	A	The STMGT CI shall provide an automatic capability during startup to allocate storage devices to Data Servers.
DADS0430#B	Each DADS shall provide its operations personnel the capability to manually alter the routing of data sets to physical storage locations.	B: Can monitor the allocation of storage devices and alter the allocation of storage devices at a Data Type Level.	S-DSS-20520	A	The STMGT CI shall provide operations staff the capability to change the allocation of storage devices to individual Data Servers.
			S-DSS-20530	A	The STMGT CI shall provide the capability to display/view/print the allocation of storage devices to Data Servers.
			S-DSS-20540	A	The STMGT CI shall provide an automatic capability during startup to allocate storage devices to Data Servers.
			S-DSS-20800	B	The STMGT CI shall use operator selectable criteria to determine the physical storage device that data types will be stored in. This criteria shall consider: current store and retrieval activity, number of storage devices, type of data to be stored.
			S-DSS-20810	B	The STMGT CI shall provide operations staff the capability to manually alter the criteria that determines the physical storage device that data sets will be stored in.
DADS0435#A	At each DADS operations personnel shall be able to add new physical volumes and eject physical volumes from the archive for off-line or off-site permanent storage.	A: Full capability to add and eject media	S-DSS-20110	A	The STMGT CI shall provide operations staff the capability to insert archive media into storage devices which support removable media.
			S-DSS-20120	A	The STMGT CI shall provide operations staff the capability to remove archive media from storage devices which support removable media.
			S-DSS-20180	A	The STMGT CI shall have the capability to automatically dismount archive media from storage devices which support removable media when different archive media must be mounted to store data.
			S-DSS-20190	A	The STMGT CI shall have the capability to automatically dismount archive media from storage devices which support removable media when different archive media must be mounted to retrieve data.
			S-DSS-20200	A	The STMGT CI shall provide a mechanism to remove archive media from storage devices to allow insertion of new or different archive media in the storage device.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS0435#B	At each DADS operations personnel shall be able to add new physical volumes and eject physical volumes from the archive for off-line or off-site permanent storage.	B: Operator tuneable capability to alter archive removal criteria	S-DSS-20110	A	The STMGT CI shall provide operations staff the capability to insert archive media into storage devices which support removable media.
			S-DSS-20120	A	The STMGT CI shall provide operations staff the capability to remove archive media from storage devices which support removable media.
			S-DSS-20180	A	The STMGT CI shall have the capability to automatically dismount archive media from storage devices which support removable media when different archive media must be mounted to store data.
			S-DSS-20190	A	The STMGT CI shall have the capability to automatically dismount archive media from storage devices which support removable media when different archive media must be mounted to retrieve data.
			S-DSS-20200	A	The STMGT CI shall provide a mechanism to remove archive media from storage devices to allow insertion of new or different archive media in the storage device.
			S-DSS-20820	B	The STMGT CI shall provide operations staff the capability to alter the criteria that determines removal of archive media from storage devices to allow insertion of new or different archive media in the storage device.
			S-DSS-20830	B	In determining the archive media to be removed, the STMGT CI shall ensure that the criteria consider the media's capacity for storing additional data, the last time data was accessed on the media and whether the media is currently in use to store or retrieve data.
DADS0440#A	Each DADS shall provide storage, at a minimum, for the following EOS data: a. Standard Products b. Associated correlative data sets c. Associated ancillary data sets d. Associated calibration data sets e. Associated metadata f. Documents g. Algorithms h. Format descriptions (e.g., HDF spec.)	A: Release A products for the missions as decribed in the table in the SOW.	S-DSS-03380	A	Upon receipt of valid data types the SDSRV CI shall pass the data to the STMGT CI.
			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.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-03420	A	The SDSRV CI shall interface with the STMGT CI to provide storage for 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-03480	A	The SDSRV CI shall interface with the STMGT CI to provide storage for instrument calibration data.
			S-DSS-03500	A	The SDSRV CI shall interface with the STMGT CI to provide storage for instrument characterization data.
			S-DSS-03560	A	The SDSRV CI shall interface with the STMGT CI to provide storage for Orbit/Attitude data.
			S-DSS-03620	A	The SDSRV CI shall interface with the STMGT CI to provide storage for QA Statistics.
			S-DSS-03640	A	The SDSRV CI shall interface with the STMGT CI to provide storage for scientific calibration data.
			S-DSS-03680	A	The SDSRV CI shall interface with the STMGT CI to provide storage for correlative data.
			S-DSS-03712	A	The SDSRV CI shall interface with the STMGT CI to provide storage for Research results (articles, algorithms, data sets, software).
			S-DSS-03720	A	The SDSRV CI shall interface with the STMGT CI to provide storage for V0 migration data.
			S-DSS-10170	A	The DDSRV CI shall receive user supplied documents in HTML & ASCII
			S-DSS-10250	A	Upon receipt and successful storage of all supported document formats and descriptive data, the DDSRV CI shall provide access to the document and/or data.
			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-DSS-03745	A	The SDSRV CI shall interface with the STMGT CI to provide storage for File Format Descriptions (e.g., HDF Spec.).
			S-DSS-21365	A	The STMGT CI shall provide storage for the Data Products listed in Appendix F of the current version of 304-CD-005.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-21366	A	The STMGT CI shall provide storage for the Metadata associated with the Data Products listed in Appendix F of the current version of 304-CD-005.
			S-DSS-03367	A	The SDSRV CI shall be capable of receiving File Format Descriptions (e.g. HDF Spec.).
			S-DSS-03416	A	The SDSRV CI shall provide storage for Metadata associated with Ancillary Data.
			S-DSS-03430	A	The SDSRV CI shall provide storage for Metadata associated with calibration data.
			S-DSS-03450	A	The SDSRV CI shall provide storage for Metadata associated with Science Software Archive Packages.
			S-DSS-03490	A	The SDSRV CI shall provide storage for Metadata associated with instrument calibration data.
			S-DSS-03520	A	The SDSRV CI shall interface with the STMGT CI to provide storage for instrument historical data.
			S-DSS-03522	A	The SDSRV CI shall provide storage for Metadata associated with Instrument Historical Data.
			S-DSS-03540	A	The SDSRV CI shall provide storage for inventory characteristic data.
			S-DSS-03570	A	The SDSRV CI shall provide storage for Metadata associated with Orbit/Attitude data.
			S-DSS-03580	A	The SDSRV CI shall interface with the STMGT CI to provide storage for Production History.
			S-DSS-03630	A	The SDSRV CI shall provide storage for Metadata associated with QA Statistics.
			S-DSS-03650	A	The SDSRV CI shall provide storage for Metadata associated with scientific calibration data.
			S-DSS-03690	A	The SDSRV CI shall provide storage for Metadata associated with correlative data.
			S-DSS-03730	A	The SDSRV CI shall provide storage for Metadata associated with V0 migration data.
			S-DSS-03740	A	The SDSRV CI shall provide storage for validated Inventory data.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS0440#B	Each DADS shall provide storage, at a minimum, for the following EOS data: a. Standard Products b. Associated correlative data sets c. Associated ancillary data sets d. Associated calibration data sets e. Associated metadata f. Documents g. Algorithms h. Format descriptions (e.g., HDF spec.)	B: Release B products for the missions as decribed in the table in the SOW.	S-DSS-03380	A	Upon receipt of valid data types the SDSRV CI shall pass the data to the STMGT CI.
			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-03420	A	The SDSRV CI shall interface with the STMGT CI to provide storage for 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-03480	A	The SDSRV CI shall interface with the STMGT CI to provide storage for instrument calibration data.
			S-DSS-03500	A	The SDSRV CI shall interface with the STMGT CI to provide storage for instrument characterization data.
			S-DSS-03560	A	The SDSRV CI shall interface with the STMGT CI to provide storage for Orbit/Attitude data.
			S-DSS-03620	A	The SDSRV CI shall interface with the STMGT CI to provide storage for QA Statistics.
			S-DSS-03640	A	The SDSRV CI shall interface with the STMGT CI to provide storage for scientific calibration data.
			S-DSS-03680	A	The SDSRV CI shall interface with the STMGT CI to provide storage for correlative data.
			S-DSS-03712	A	The SDSRV CI shall interface with the STMGT CI to provide storage for Research results (articles, algorithms, data sets, software).
			S-DSS-03720	A	The SDSRV CI shall interface with the STMGT CI to provide storage for V0 migration data.
			S-DSS-10170	A	The DDSRV CI shall receive user supplied documents in HTML & ASCII
			S-DSS-10250	A	Upon receipt and successful storage of all supported document formats and descriptive data, the DDSRV CI shall provide access to the document and/or data.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			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-DSS-03745	A	The SDSRV CI shall interface with the STMGT CI to provide storage for File Format Descriptions (e.g., HDF Spec.).
			S-DSS-03460	B	The SDSRV CI shall interface with the STMGT CI to provide storage for FDF Orbit Data for AM-1 instruments.
			S-DSS-03470	B	The SDSRV CI's MD Component shall provide storage for Metadata associated with FDF Orbit and Attitude Data for AM-1 instruments.
			S-DSS-03600	B	The SDSRV CI shall interface with the STMGT CI to provide storage for production plans.
			S-DSS-03660	B	The SDSRV CI shall interface with the STMGT CI to provide storage for spacecraft historical data.
			S-DSS-04082	B	The SDSRV CI shall supply FDF attitude data for AM-1 instruments packages to the DDIST CI.
			S-DSS-21365	A	The STMGT CI shall provide storage for the Data Products listed in Appendix F of the current version of 304-CD-005.
			S-DSS-21366	A	The STMGT CI shall provide storage for the Metadata associated with the Data Products listed in Appendix F of the current version of 304-CD-005.
			S-DSS-03416	A	The SDSRV CI shall provide storage for Metadata associated with Ancillary Data.
			S-DSS-03430	A	The SDSRV CI shall provide storage for Metadata associated with calibration data.
			S-DSS-03450	A	The SDSRV CI shall provide storage for Metadata associated with Science Software Archive Packages.
			S-DSS-03490	A	The SDSRV CI shall provide storage for Metadata associated with instrument calibration data.
			S-DSS-03520	A	The SDSRV CI shall interface with the STMGT CI to provide storage for instrument historical data.
			S-DSS-03540	A	The SDSRV CI shall provide storage for inventory characteristic data.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-03570	A	The SDSRV CI shall provide storage for Metadata associated with Orbit/Attitude data.
			S-DSS-03580	A	The SDSRV CI shall interface with the STMGT CI to provide storage for Production History.
			S-DSS-03630	A	The SDSRV CI shall provide storage for Metadata associated with QA Statistics.
			S-DSS-03650	A	The SDSRV CI shall provide storage for Metadata associated with scientific calibration data.
			S-DSS-03690	A	The SDSRV CI shall provide storage for Metadata associated with correlative data.
			S-DSS-03730	A	The SDSRV CI shall provide storage for Metadata associated with V0 migration data.
			S-DSS-03740	A	The SDSRV CI shall provide storage for validated Inventory data.
DADS0450#A	Each DADS shall provide storage, at a minimum, for the following scientist provided data: a. Special data products b. Associated correlative data sets c. Associated ancillary data sets d. Associated calibration data sets e. Research results (articles, algorithms, data sets, software) f. Instrument characterization data sets g. Associated Metadata	This capability is provided to scientists in Release B/C/D.	S-DSS-03480	A	The SDSRV CI shall interface with the STMGT CI to provide storage for instrument calibration data.
			S-DSS-03680	A	The SDSRV CI shall interface with the STMGT CI to provide storage for correlative data.
			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-DSS-03490	A	The SDSRV CI shall provide storage for Metadata associated with instrument calibration data.
			S-DSS-03690	A	The SDSRV CI shall provide storage for Metadata associated with correlative data.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS0450#B	Each DADS shall provide storage, at a minimum, for the following scientist provided data: a. Special data products b. Associated correlative data sets c. Associated ancillary data sets d. Associated calibration data sets e. Research results (articles, algorithms, data sets, software) f. Instrument characterization data sets g. Associated Metadata	This capabililty is provided to scientists in Release B/C/D	S-DSS-03130	A	The SDSRV CI shall be capable of receiving Instrument Characterization Data.
			S-DSS-03480	A	The SDSRV CI shall interface with the STMGT CI to provide storage for instrument calibration data.
			S-DSS-03680	A	The SDSRV CI shall interface with the STMGT CI to provide storage for correlative data.
			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-DSS-03490	A	The SDSRV CI shall provide storage for Metadata associated with instrument calibration data.
			S-DSS-03690	A	The SDSRV CI shall provide storage for Metadata associated with correlative data.
			S-DSS-03700	B	The SDSRV CI shall interface with the STMGT CI to provide storage for special Data Products.
			S-DSS-03710	B	The SDSRV CI shall provide storage for Metadata associated with special Data Products.
DADS0460#A	Each DADS shall provide storage at a minimum, for non-EOS data required for Standard Product production by the PGS.	A: Release A products for the missions as decribed in the table in the SOW.	S-DSS-20980	A	The STMGT CI shall provide the SDSRV CI the capability to open files on archive storage media in the DRPHW CI.
			S-DSS-20990	A	The STMGT CI shall provide the SDSRV CI the capability to close files on archive storage media in the DRPHW CI.
			S-DSS-21000	A	The STMGT CI shall provide the SDSRV CI the capability to read information from files on archive storage media in the DRPHW CI.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-21010	A	The STMGT CI shall provide the SDSRV CI the capability to write information into files on archive storage media in the DRPHW CI.
			S-DSS-21020	A	The STMGT CI shall provide the SDSRV CI the capability to allocate archive storage devices for Service Request processing in the DRPHW CI.
			S-DSS-21030	A	The STMGT CI shall provide the SDSRV CI the capability to deallocate archive storage devices in the DRPHW CI.
			S-DSS-21035	A	The STMGT CI shall provide the SDSRV CI the capability to deallocate archive storage devices in the DRPHW CI.
			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.
DADS0460#B	Each DADS shall provide storage at a minimum, for non-EOS data required for Standard Product production by the PGS.	B: Release B products for the missions as described in the table in the SOW.	S-DSS-20980	A	The STMGT CI shall provide the SDSRV CI the capability to open files on archive storage media in the DRPHW CI.
			S-DSS-20990	A	The STMGT CI shall provide the SDSRV CI the capability to close files on archive storage media in the DRPHW CI.
			S-DSS-21000	A	The STMGT CI shall provide the SDSRV CI the capability to read information from files on archive storage media in the DRPHW CI.
			S-DSS-21010	A	The STMGT CI shall provide the SDSRV CI the capability to write information into files on archive storage media in the DRPHW CI.
			S-DSS-21020	A	The STMGT CI shall provide the SDSRV CI the capability to allocate archive storage devices for Service Request processing in the DRPHW CI.
			S-DSS-21030	A	The STMGT CI shall provide the SDSRV CI the capability to deallocate archive storage devices in the DRPHW CI.
			S-DSS-21035	A	The STMGT CI shall provide the SDSRV CI the capability to deallocate archive storage devices in the DRPHW CI.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			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.
DADS0465#A	The DADS shall provide storage for the following Version 0 data: a. Standard products b. Associated correlative data sets c. Associated ancillary data sets d. Associated calibration data sets e. Associated metadata f. Documents g. Algorithms.	A: Release A products for the missions as decribed in the table in the SOW	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-03440	A	The SDSRV CI shall interface with the STMGT CI to provide storage for 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-03640	A	The SDSRV CI shall interface with the STMGT CI to provide storage for scientific calibration data.
			S-DSS-03680	A	The SDSRV CI shall interface with the STMGT CI to provide storage for correlative data.
			S-DSS-03720	A	The SDSRV CI shall interface with the STMGT CI to provide storage for V0 migration data.
			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-DSS-03416	A	The SDSRV CI shall provide storage for Metadata associated with Ancillary Data.
			S-DSS-03450	A	The SDSRV CI shall provide storage for Metadata associated with Science Software Archive Packages.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-03490	A	The SDSRV CI shall provide storage for Metadata associated with instrument calibration data.
			S-DSS-03520	A	The SDSRV CI shall interface with the STMGT CI to provide storage for instrument historical data.
			S-DSS-03522	A	The SDSRV CI shall provide storage for Metadata associated with Instrument Historical Data.
			S-DSS-03650	A	The SDSRV CI shall provide storage for Metadata associated with scientific calibration data.
			S-DSS-03690	A	The SDSRV CI shall provide storage for Metadata associated with correlative data.
			S-DSS-03730	A	The SDSRV CI shall provide storage for Metadata associated with V0 migration data.
DADS0465#B	The DADS shall provide storage for the following Version 0 data: a. Standard products b. Associated correlative data sets c. Associated ancillary data sets d. Associated calibration data sets e. Associated metadata f. Documents g. Algorithms.	B: Release B products for the missions as described in the table in the SOW.	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-03440	A	The SDSRV CI shall interface with the STMGT CI to provide storage for 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-03640	A	The SDSRV CI shall interface with the STMGT CI to provide storage for scientific calibration data.
			S-DSS-03680	A	The SDSRV CI shall interface with the STMGT CI to provide storage for correlative data.
			S-DSS-03720	A	The SDSRV CI shall interface with the STMGT CI to provide storage for V0 migration data.
			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.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			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-DSS-04340	B	The SDSRV CI shall supply V0 migration Data Products to the DDIST CI.
			S-DSS-04350	B	The SDSRV CI shall supply Metadata associated with V0 migration Data Products to the DDIST CI.
			S-DSS-03416	A	The SDSRV CI shall provide storage for Metadata associated with Ancillary Data.
			S-DSS-03450	A	The SDSRV CI shall provide storage for Metadata associated with Science Software Archive Packages.
			S-DSS-03490	A	The SDSRV CI shall provide storage for Metadata associated with instrument calibration data.
			S-DSS-03520	A	The SDSRV CI shall interface with the STMGT CI to provide storage for instrument historical data.
			S-DSS-03650	A	The SDSRV CI shall provide storage for Metadata associated with scientific calibration data.
			S-DSS-03690	A	The SDSRV CI shall provide storage for Metadata associated with correlative data.
			S-DSS-03730	A	The SDSRV CI shall provide storage for Metadata associated with V0 migration data.
DADS0470#B	The EDC DADS shall provide storage for the following Landsat 7 data: a. Level OR data b. Associated metadata and browse c. IGS metadata and browse d. Associated calibration and metadata e. Calibration updates and metadata f. Documents g. Algorithms h. Activity Calendar		S-DSS-21365	A	The STMGT CI shall provide storage for the Data Products listed in Appendix F of the current version of 304-CD-005.
			S-DSS-21366	A	The STMGT CI shall provide storage for the Metadata associated with the Data Products listed in Appendix F of the current version of 304-CD-005.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS0475#A	The DADS shall provide storage for the following TRMM data: a. L1A-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-03420	A	The SDSRV CI shall interface with the STMGT CI to provide storage for 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-03480	A	The SDSRV CI shall interface with the STMGT CI to provide storage for 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-03680	A	The SDSRV CI shall interface with the STMGT CI to provide storage for 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-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.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			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-DSS-21365	A	The STMGT CI shall provide storage for the Data Products listed in Appendix F of the current version of 304-CD-005.
			S-DSS-21366	A	The STMGT CI shall provide storage for the Metadata associated with the Data Products listed in Appendix F of the current version of 304-CD-005.
			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 of the current version of 304-CD-002.
			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 of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			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 of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			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.5 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			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 of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-60740	A	The ICLHW CI at the LaRC DAAC shall be sized to store and maintain the volume of SDPF data for a 1 year period of time as specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A.
			S-INS-60745	A	The ICLHW CI at the MSFC DAAC shall be sized to store and maintain the volume of SDPF data for a 1 year period of time as specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A.
			S-DSS-03416	A	The SDSRV CI shall provide storage for Metadata associated with Ancillary Data.
			S-DSS-03430	A	The SDSRV CI shall provide storage for Metadata associated with calibration data.
			S-DSS-03450	A	The SDSRV CI shall provide storage for Metadata associated with Science Software Archive Packages.
			S-DSS-03490	A	The SDSRV CI shall provide storage for Metadata associated with instrument calibration data.
			S-DSS-03650	A	The SDSRV CI shall provide storage for Metadata associated with scientific calibration data.
			S-DSS-03690	A	The SDSRV CI shall provide storage for Metadata associated with correlative data.
DADS0475#B	The DADS shall provide storage for the following TRMM data: a. L1A-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-03420	A	The SDSRV CI shall interface with the STMGT CI to provide storage for calibration data.
			S-DSS-03440	A	The SDSRV CI shall interface with the STMGT CI to provide storage for Science Software Archive Packages.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-03480	A	The SDSRV CI shall interface with the STMGT CI to provide storage for 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-03680	A	The SDSRV CI shall interface with the STMGT CI to provide storage for 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-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-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-DSS-21365	A	The STMGT CI shall provide storage for the Data Products listed in Appendix F of the current version of 304-CD-005.
			S-DSS-21366	A	The STMGT CI shall provide storage for the Metadata associated with the Data Products listed in Appendix F of the current version of 304-CD-005.
			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 of the current version of 304-CD-002.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			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 of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			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 of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			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.5 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			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 of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-INS-60740	A	The ICLHW CI at the LaRC DAAC shall be sized to store and maintain the volume of SDPF data for a 1 year period of time as specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A.
			S-INS-60745	A	The ICLHW CI at the MSFC DAAC shall be sized to store and maintain the volume of SDPF data for a 1 year period of time as specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A.
			S-DSS-03416	A	The SDSRV CI shall provide storage for Metadata associated with Ancillary Data.
			S-DSS-03430	A	The SDSRV CI shall provide storage for Metadata associated with calibration data.
			S-DSS-03450	A	The SDSRV CI shall provide storage for Metadata associated with Science Software Archive Packages.
			S-DSS-03490	A	The SDSRV CI shall provide storage for Metadata associated with instrument calibration data.
			S-DSS-03650	A	The SDSRV CI shall provide storage for Metadata associated with scientific calibration data.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-03690	A	The SDSRV CI shall provide storage for Metadata associated with correlative data.
DADS0487#A	Each DADS shall be capable of storing EDOS production data sets (Level 0) for at least one year from the date they are ingested.	A: interface testing only, ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS	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-60740	A	The ICLHW CI at the LaRC DAAC shall be sized to store and maintain the volume of SDPF data for a 1 year period of time as specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A.
			S-INS-60745	A	The ICLHW CI at the MSFC DAAC shall be sized to store and maintain the volume of SDPF data for a 1 year period of time as specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A.
DADS0487#B	Each DADS shall be capable of storing EDOS production data sets (Level 0) for at least one year from the date they are ingested.	B: full capability, ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS	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-60741	B	The ICLHW CI at the LaRC DAAC shall be sized to store and maintain the volume of EDOS data for a 1-year period of time as specified in Appendix E (Section E.1, Table E-1, Section E.2 Table E-2, and Section E.3 Tables E-3a and E-3b) of the current version of 304-CD-005.
			S-INS-60736	B	The ICLHW CI at the GSFC DAAC shall be sized to store and maintain the volume of EDOS data for a 1 year period of time as specified in Appendix E (Section E.1 Table E-1, Section E.2 Table E-2, and Section E.3 Tables E-3a and E-3b) of the current version of 304-CD-005.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-60740	A	The ICLHW CI at the LaRC DAAC shall be sized to store and maintain the volume of SDPF data for a 1 year period of time as specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A.
			S-INS-60745	A	The ICLHW CI at the MSFC DAAC shall be sized to store and maintain the volume of SDPF data for a 1 year period of time as specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A.
			S-INS-60746	B	The ICLHW CI at the JPL DAAC shall be sized to store and maintain the volume of ADEOS II data for a 1-year period of time as specified in Appendix E (Section E.1 Table E-1, Section E.2 Table E-2, and Section E.3 Tables E-3a and E-3b) of the current version of 304-CD-005.
			S-INS-60748	B	The ICLHW CI at the JPL DAAC shall be sized to store and maintain the volume of ALT-RADAR data for a 1-year period of time as specified in Appendix E (Section E.1 Table E-1, Section E.2 Table E.2 Table E-2, and Section E.3 Tables E-3a and E-3b) of the current version of 304-CD-005.
DADS0488#B	Each DADS shall archive the EDOS production data sets (Level 0) received from EDOS, or the equivalent Level 1A data.	B: ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS LARC DAACS WILL INTERFACE WITH EDOS	S-DSS-03412	A	The SDSRV CI shall interface with the STMGT CI to provide storage for L0 - L4 Data.
			S-DSS-20980	A	The STMGT CI shall provide the SDSRV CI the capability to open files on archive storage media in the DRPHW CI.
			S-DSS-20990	A	The STMGT CI shall provide the SDSRV CI the capability to close files on archive storage media in the DRPHW CI.
			S-DSS-21000	A	The STMGT CI shall provide the SDSRV CI the capability to read information from files on archive storage media in the DRPHW CI.
			S-DSS-21010	A	The STMGT CI shall provide the SDSRV CI the capability to write information into files on archive storage media in the DRPHW CI.
			S-DSS-21020	A	The STMGT CI shall provide the SDSRV CI the capability to allocate archive storage devices for Service Request processing in the DRPHW CI.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-21030	A	The STMGT CI shall provide the SDSRV CI the capability to deallocate archive storage devices in the DRPHW CI.
			S-DSS-21035	A	The STMGT CI shall provide the SDSRV CI the capability to deallocate archive storage devices in the DRPHW CI.
			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.
DADS0490#A	Each DADS shall archive Level 1B - Level 4 data products.	A: Release A products for the missions as decribed in the table in the SOW.	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-01770	A	The SDSRV CI shall log all reported warning conditions.
			S-DSS-03412	A	The SDSRV CI shall interface with the STMGT CI to provide storage for L0 - L4 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-20980	A	The STMGT CI shall provide the SDSRV CI the capability to open files on archive storage media in the DRPHW CI.
			S-DSS-20990	A	The STMGT CI shall provide the SDSRV CI the capability to close files on archive storage media in the DRPHW CI.
			S-DSS-21000	A	The STMGT CI shall provide the SDSRV CI the capability to read information from files on archive storage media in the DRPHW CI.
			S-DSS-21010	A	The STMGT CI shall provide the SDSRV CI the capability to write information into files on archive storage media in the DRPHW CI.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-21020	A	The STMGT CI shall provide the SDSRV CI the capability to allocate archive storage devices for Service Request processing in the DRPHW CI.
			S-DSS-21030	A	The STMGT CI shall provide the SDSRV CI the capability to deallocate archive storage devices in the DRPHW CI.
			S-DSS-21035	A	The STMGT CI shall provide the SDSRV CI the capability to deallocate archive storage devices in the DRPHW CI.
			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-DSS-21365	A	The STMGT CI shall provide storage for the Data Products listed in Appendix F of the current version of 304-CD-005.
			S-DSS-21366	A	The STMGT CI shall provide storage for the Metadata associated with the Data Products listed in Appendix F of the current version of 304-CD-005.
			S-DSS-00060	IR1	The SDSRV CI shall acknowledge the receipt of Service Requests from local and remote clients.
			S-DSS-00095	IR1	The SDSRV CI shall return a Reject Notification if a Service Request fails validation.
			S-DSS-01760	IR1	The SDSRV CI shall log all reported error conditions.
DADS0490#B	Each DADS shall archive Level 1B - Level 4 data products.	B: Release B products for the missions as decribed in the table in the SOW.	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-01770	A	The SDSRV CI shall log all reported warning conditions.
			S-DSS-03412	A	The SDSRV CI shall interface with the STMGT CI to provide storage for L0 - L4 Data.
			S-DSS-20020	A	The STMGT CI shall accept Insert Requests for insertion of data into the archive.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			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-20980	A	The STMGT CI shall provide the SDSRV CI the capability to open files on archive storage media in the DRPHW CI.
			S-DSS-20990	A	The STMGT CI shall provide the SDSRV CI the capability to close files on archive storage media in the DRPHW CI.
			S-DSS-21000	A	The STMGT CI shall provide the SDSRV CI the capability to read information from files on archive storage media in the DRPHW CI.
			S-DSS-21010	A	The STMGT CI shall provide the SDSRV CI the capability to write information into files on archive storage media in the DRPHW CI.
			S-DSS-21020	A	The STMGT CI shall provide the SDSRV CI the capability to allocate archive storage devices for Service Request processing in the DRPHW CI.
			S-DSS-21030	A	The STMGT CI shall provide the SDSRV CI the capability to deallocate archive storage devices in the DRPHW CI.
			S-DSS-21035	A	The STMGT CI shall provide the SDSRV CI the capability to deallocate archive storage devices in the DRPHW CI.
			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-DSS-21365	A	The STMGT CI shall provide storage for the Data Products listed in Appendix F of the current version of 304-CD-005.
			S-DSS-21366	A	The STMGT CI shall provide storage for the Metadata associated with the Data Products listed in Appendix F of the current version of 304-CD-005.
			S-DSS-00060	IR1	The SDSRV CI shall acknowledge the receipt of Service Requests from local and remote clients.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-00095	IR1	The SDSRV CI shall return a Reject Notification if a Service Request fails validation.
			S-DSS-01760	IR1	The SDSRV CI shall log all reported error conditions.
DADS0498#A	Each designated DADS shall receive standing and retrospective product orders from the IMS.	A: Data Request and Subscription processing (based on receipt of data or core metadata, eitherdistribute data or send notification of data availability)	S-DSS-00051	A	The SDSRV CI shall verify that each Service Request has valid Priority Information.
			S-DSS-01460	A	The SDSRV CI shall accept Subscription Requests that specify an action to be taken and an event to initiate the action.
			S-DSS-01470	A	The SDSRV CI shall validate Subscription Requests for receipt of data type events.
			S-DSS-01472	A	The SDSRV CI shall validate Subscription Requests for change in core metadata events.
			S-DSS-01480	A	The SDSRV CI shall validate Subscription Requests for distribution of data actions.
			S-DSS-01482	A	The SDSRV CI shall validate Subscription Requests for send notification actions.
			S-DSS-01484	A	The SDSRV CI shall validate Subscription Requests for collection of data for later distribution actions.
			S-DSS-01488	A	The SDSRV CI shall validate Subscription Requests for a Data Request action.
			S-DSS-01770	A	The SDSRV CI shall log all reported warning conditions.
			S-DSS-20050	A	The STMGT CI shall check each Retrieve Request it receives for correct type of data in all fields. Fields that shall be checked include Request Identifier, date of request, date and time for requested data, Priority Information, and data type.
			S-DSS-00010	IR1	The SDSRV CI shall accept Data Requests for Data that is managed within the STMGT CI.
			S-DSS-01760	IR1	The SDSRV CI shall log all reported error conditions.
DADS0498#B	Each designated DADS shall receive standing and retrospective product orders from the IMS.	B: On-demand Data Requests, time-based subscriptions	S-DSS-00051	A	The SDSRV CI shall verify that each Service Request has valid Priority Information.
			S-DSS-01460	A	The SDSRV CI shall accept Subscription Requests that specify an action to be taken and an event to initiate the action.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-01470	A	The SDSRV CI shall validate Subscription Requests for receipt of data type events.
			S-DSS-01472	A	The SDSRV CI shall validate Subscription Requests for change in core metadata events.
			S-DSS-01480	A	The SDSRV CI shall validate Subscription Requests for distribution of data actions.
			S-DSS-01482	A	The SDSRV CI shall validate Subscription Requests for send notification actions.
			S-DSS-01484	A	The SDSRV CI shall validate Subscription Requests for collection of data for later distribution actions.
			S-DSS-01488	A	The SDSRV CI shall validate Subscription Requests for a Data Request action.
			S-DSS-01770	A	The SDSRV CI shall log all reported warning conditions.
			S-DSS-20050	A	The STMGT CI shall check each Retrieve Request it receives for correct type of data in all fields. Fields that shall be checked include Request Identifier, date of request, date and time for requested data, Priority Information, and data type.
			S-DSS-00180	B	The SDSRV CI shall accept and process Data Requests for Data Products that are produced on demand using the resources available to the Data Server.
			S-DSS-01474	B	The SDSRV CI shall validate Subscription Requests for time interval events. Time intervals will be limited to daily, weekly, or monthly.
			S-DSS-00010	IR1	The SDSRV CI shall accept Data Requests for Data that is managed within the STMGT CI.
			S-DSS-01760	IR1	The SDSRV CI shall log all reported error conditions.
DADS0500#A	Each DADS shall receive changes to standing orders from the IMS.		S-DSS-01460	A	The SDSRV CI shall accept Subscription Requests that specify an action to be taken and an event to initiate the action.
			S-DSS-01470	A	The SDSRV CI shall validate Subscription Requests for receipt of data type events.
			S-DSS-01472	A	The SDSRV CI shall validate Subscription Requests for change in core metadata events.
			S-DSS-01480	A	The SDSRV CI shall validate Subscription Requests for distribution of data actions.
			S-DSS-01482	A	The SDSRV CI shall validate Subscription Requests for send notification actions.
			S-DSS-01484	A	The SDSRV CI shall validate Subscription Requests for collection of data for later distribution actions.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-01488	A	The SDSRV CI shall validate Subscription Requests for a Data Request action.
			S-DSS-01600	A	The SDSRV CI shall provide the capability for operations staff to delete any stored Subscription.
			S-DSS-01610	A	The SDSRV CI shall provide the capability for a user to delete their own stored Subscription.
			S-DSS-01770	A	The SDSRV CI shall log all reported warning conditions.
			S-DSS-00060	IR1	The SDSRV CI shall acknowledge the receipt of Service Requests from local and remote clients.
			S-DSS-00095	IR1	The SDSRV CI shall return a Reject Notification if a Service Request fails validation.
			S-DSS-01760	IR1	The SDSRV CI shall log all reported error conditions.
DADS0500#B	Each DADS shall receive changes to standing orders from the IMS.		S-DSS-01460	A	The SDSRV CI shall accept Subscription Requests that specify an action to be taken and an event to initiate the action.
			S-DSS-01470	A	The SDSRV CI shall validate Subscription Requests for receipt of data type events.
			S-DSS-01472	A	The SDSRV CI shall validate Subscription Requests for change in core metadata events.
			S-DSS-01480	A	The SDSRV CI shall validate Subscription Requests for distribution of data actions.
			S-DSS-01482	A	The SDSRV CI shall validate Subscription Requests for send notification actions.
			S-DSS-01484	A	The SDSRV CI shall validate Subscription Requests for collection of data for later distribution actions.
			S-DSS-01488	A	The SDSRV CI shall validate Subscription Requests for a Data Request action.
			S-DSS-01600	A	The SDSRV CI shall provide the capability for operations staff to delete any stored Subscription.
			S-DSS-01610	A	The SDSRV CI shall provide the capability for a user to delete their own stored Subscription.
			S-DSS-01770	A	The SDSRV CI shall log all reported warning conditions.
			S-DSS-01560	B	The SDSRV CI shall accept Subscription Update Requests to update stored Subscriptions by changing the event or the action.
			S-DSS-01580	B	The SDSRV CI shall provide the capability for operations staff to update the stored Subscriptions by changing the event and/or action.
			S-DSS-01590	B	The SDSRV CI shall provide the capability for a user client to update their stored Subscriptions by changing the action and/or event.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-00060	IR1	The SDSRV CI shall acknowledge the receipt of Service Requests from local and remote clients.
			S-DSS-00095	IR1	The SDSRV CI shall return a Reject Notification if a Service Request fails validation.
			S-DSS-01760	IR1	The SDSRV CI shall log all reported error conditions.
DADS0520#A	Each DADS shall accept requests for data needed for Standard Product production.	A: Basic data requests	S-DSS-00025	A	The SDSRV CI shall insure that each Service Request includes a User Identifer, a Request Priority, and all other parameters required for that request.
			S-DSS-00051	A	The SDSRV CI shall verify that each Service Request has valid Priority Information.
			S-DSS-00065	A	The SDSRV CI shall accept Service Requests from the Data Processing subsystem and, as a result, provide access to Data for the purpose of standard processing.
			S-DSS-01770	A	The SDSRV CI shall log all reported warning conditions.
			S-DSS-20050	A	The STMGT CI shall check each Retrieve Request it receives for correct type of data in all fields. Fields that shall be checked include Request Identifier, date of request, date and time for requested data, Priority Information, and data type.
			S-DSS-00010	IR1	The SDSRV CI shall accept Data Requests for Data that is managed within the STMGT CI.
			S-DSS-00060	IR1	The SDSRV CI shall acknowledge the receipt of Service Requests from local and remote clients.
			S-DSS-00095	IR1	The SDSRV CI shall return a Reject Notification if a Service Request fails validation.
			S-DSS-01070	IR1	The SDSRV CI shall respond to a Data Request with a response that shall contain a status and a pointer to the data.
			S-DSS-01760	IR1	The SDSRV CI shall log all reported error conditions.
DADS0520#B	Each DADS shall accept requests for data needed for Standard Product production.	B: On-demand requests	S-DSS-00025	A	The SDSRV CI shall insure that each Service Request includes a User Identifer, a Request Priority, and all other parameters required for that request.
			S-DSS-00051	A	The SDSRV CI shall verify that each Service Request has valid Priority Information.
			S-DSS-00065	A	The SDSRV CI shall accept Service Requests from the Data Processing subsystem and, as a result, provide access to Data for the purpose of standard processing.
			S-DSS-01770	A	The SDSRV CI shall log all reported warning conditions.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-20050	A	The STMGT CI shall check each Retrieve Request it receives for correct type of data in all fields. Fields that shall be checked include Request Identifier, date of request, date and time for requested data, Priority Information, and data type.
			S-DSS-00180	B	The SDSRV CI shall accept and process Data Requests for Data Products that are produced on demand using the resources available to the Data Server.
			S-DSS-00010	IR1	The SDSRV CI shall accept Data Requests for Data that is managed within the STMGT CI.
			S-DSS-00060	IR1	The SDSRV CI shall acknowledge the receipt of Service Requests from local and remote clients.
			S-DSS-00095	IR1	The SDSRV CI shall return a Reject Notification if a Service Request fails validation.
			S-DSS-01070	IR1	The SDSRV CI shall respond to a Data Request with a response that shall contain a status and a pointer to the data.
			S-DSS-01760	IR1	The SDSRV CI shall log all reported error conditions.
DADS0525#A	Each DADS shall accept updates/cancellations of data order requests.	A: Cancellations only from operations staff	S-DSS-00015	A	The SDSRV CI shall insure that each Data Request includes a User Identifer, a Request Priority, and a Data Identifier.
			S-DSS-00190	A	The SDSRV CI shall provide the capability for operations staff to delete a queued Data Request.
			S-DSS-00191	A	The SDSRV CI shall notify the client whenever operations staff deletes a queued Data Request.
			S-DSS-00216	A	The SDSRV CI shall provide the capability for operations staff to submit Service Requests under that user's User Identifier.
			S-DSS-00220	A	The SDSRV CI shall provide operations staff the capability to cancel any Service Request.
			S-DSS-01770	A	The SDSRV CI shall log all reported warning conditions.
			S-DSS-01780	A	The SDSRV CI shall be capable of canceling the execution of a Service Request.
			S-DSS-30163	A	The DDIST CI shall authenticate the User Identifier of operations staff submitting an Distribution Cancellation Request.
			S-DSS-00060	IR1	The SDSRV CI shall acknowledge the receipt of Service Requests from local and remote clients.
			S-DSS-00095	IR1	The SDSRV CI shall return a Reject Notification if a Service Request fails validation.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-01760	IR1	The SDSRV CI shall log all reported error conditions.
DADS0525#B	Each DADS shall accept updates/cancellations of data order requests.	B: User cancellations; operations staff changes to priority	S-DSS-00015	A	The SDSRV CI shall insure that each Data Request includes a User Identifer, a Request Priority, and a Data Identifier.
			S-DSS-00190	A	The SDSRV CI shall provide the capability for operations staff to delete a queued Data Request.
			S-DSS-00191	A	The SDSRV CI shall notify the client whenever operations staff deletes a queued Data Request.
			S-DSS-00216	A	The SDSRV CI shall provide the capability for operations staff to submit Service Requests under that user's User Identifier.
			S-DSS-00220	A	The SDSRV CI shall provide operations staff the capability to cancel any Service Request.
			S-DSS-01770	A	The SDSRV CI shall log all reported warning conditions.
			S-DSS-01780	A	The SDSRV CI shall be capable of canceling the execution of a Service Request.
			S-DSS-30163	A	The DDIST CI shall authenticate the User Identifier of operations staff submitting an Distribution Cancellation Request.
			S-DSS-00200	B	The SDSRV CI shall provide the capability for a user to delete their own queued Data Request.
			S-DSS-00210	B	The SDSRV CI shall provide operations staff the capability to update the Priority Information for a queued Service Request.
			S-DSS-00215	B	The SDSRV CI shall provide operations staff the capability to modify any field in a queued Service request.
			S-DSS-00230	B	The SDSRV CI shall provide users the capability to cancel their own Service Requests.
			S-DSS-00320	B	The SDSRV CI shall notify clients that issue Cancellation Requests that the associated Service Request has been canceled or the associated Service Request was completed.
			S-DSS-00060	IR1	The SDSRV CI shall acknowledge the receipt of Service Requests from local and remote clients.
			S-DSS-00095	IR1	The SDSRV CI shall return a Reject Notification if a Service Request fails validation.
			S-DSS-01760	IR1	The SDSRV CI shall log all reported error conditions.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS0540#A	Each DADS shall notify the PGS of the receipt of non-EOS data sets required for Standard Product production.	A: TRMM	S-DSS-01550	A	The SDSRV CI shall provide the capability for a user to request notification of data arrival.
			S-PLS-00870	A	The operations staff shall manually submit Data Subscriptions for PGE input data to the appropriate Data Servers.
			S-PLS-00875	A	The PLANG CI shall receive Subscription Notices indicating availability of subscribed data.
DADS0540#B	Each DADS shall notify the PGS of the receipt of non-EOS data sets required for Standard Product production.		S-DSS-01550	A	The SDSRV CI shall provide the capability for a user to request notification of data arrival.
			S-PLS-00870	A	The operations staff shall manually submit Data Subscriptions for PGE input data to the appropriate Data Servers.
			S-PLS-00875	A	The PLANG CI shall receive Subscription Notices indicating availability of subscribed data.
DADS0550#A	Each DADS shall notify the PGS of the receipt of EOS data sets required for Standard Product production (e.g., data received from non-collocated DADS).	A: Dependencies b/w CERES, LIS	S-DSS-01550	A	The SDSRV CI shall provide the capability for a user to request notification of data arrival.
			S-PLS-00870	A	The operations staff shall manually submit Data Subscriptions for PGE input data to the appropriate Data Servers.
			S-PLS-00875	A	The PLANG CI shall receive Subscription Notices indicating availability of subscribed data.
DADS0550#B	Each DADS shall notify the PGS of the receipt of EOS data sets required for Standard Product production (e.g., data received from non-collocated DADS).	B: full compatibility	S-DSS-01550	A	The SDSRV CI shall provide the capability for a user to request notification of data arrival.
			S-PLS-00870	A	The operations staff shall manually submit Data Subscriptions for PGE input data to the appropriate Data Servers.
			S-PLS-00875	A	The PLANG CI shall receive Subscription Notices indicating availability of subscribed data.
DADS0570#A	Each DADS shall verify product orders from the IMS.		S-DSS-00015	A	The SDSRV CI shall insure that each Data Request includes a User Identifer, a Request Priority, and a Data Identifier.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-00025	A	The SDSRV CI shall insure that each Service Request includes a User Identifer, a Request Priority, and all other parameters required for that request.
			S-DSS-00140	A	The SDSRV CI shall validate that a Status Request specifies either a valid pending Request Identifier or a valid User Identifier.
			S-DSS-01770	A	The SDSRV CI shall log all reported warning conditions.
			S-DSS-00060	IR1	The SDSRV CI shall acknowledge the receipt of Service Requests from local and remote clients.
			S-DSS-00095	IR1	The SDSRV CI shall return a Reject Notification if a Service Request fails validation.
			S-DSS-01760	IR1	The SDSRV CI shall log all reported error conditions.
DADS0570#B	Each DADS shall verify product orders from the IMS.		S-DSS-00015	A	The SDSRV CI shall insure that each Data Request includes a User Identifer, a Request Priority, and a Data Identifier.
			S-DSS-00025	A	The SDSRV CI shall insure that each Service Request includes a User Identifer, a Request Priority, and all other parameters required for that request.
			S-DSS-00140	A	The SDSRV CI shall validate that a Status Request specifies either a valid pending Request Identifier or a valid User Identifier.
			S-DSS-01770	A	The SDSRV CI shall log all reported warning conditions.
			S-DSS-00060	IR1	The SDSRV CI shall acknowledge the receipt of Service Requests from local and remote clients.
			S-DSS-00095	IR1	The SDSRV CI shall return a Reject Notification if a Service Request fails validation.
			S-DSS-01760	IR1	The SDSRV CI shall log all reported error conditions.
DADS0590#B	Each DADS shall support the capability for subsetting, and subsampling data products ordered via the IMS.	B: Release B products for the missions as decribed in the table in the SOW.	S-DSS-03770	A	The SDSRV CI Schema Information shall include for each Data Type the services available for that Data Type.
			S-DSS-02901	B	The SDSRV CI shall provide the capability to subset, subsample, or average data within a granule based on Geographic location for products specified in Appendix F - Data Type Matrix, of the current version of 304-CD-005.
			S-DSS-02902	B	The SDSRV CI shall provide the capability to subset, subsample, or average data within a granule based on Spectral band for products specified in Appendix F - Data Type Matrix, of the current version of 304-CD-005.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-02903	B	The SDSRV CI shall provide the capability to subset, subsample, or average data within a granule based on Time for products specified in Appendix F - Data Type Matrix, of the current version of 304-CD-005.
			S-DSS-02904	B	The SDSRV CI shall provide the capability to subset, subsample, or average data within a granule based on WRS for products specified in Appendix F - Data Type Matrix, of the current version of 304-CD-005.
			S-DSS-02900	A	The SDSRV CI shall provide Data Type services on ECS Data as listed in Appendix F of the current version of 304-CD-005.
DADS0600#A	Each DADS shall accept requests from the IMS to distribute data archived in the DADS to requesting users.		S-DSS-00015	A	The SDSRV CI shall insure that each Data Request includes a User Identifer, a Request Priority, and a Data Identifier.
			S-DSS-01770	A	The SDSRV CI shall log all reported warning conditions.
			S-DSS-00010	IR1	The SDSRV CI shall accept Data Requests for Data that is managed within the STMGT CI.
			S-DSS-00060	IR1	The SDSRV CI shall acknowledge the receipt of Service Requests from local and remote clients.
			S-DSS-00095	IR1	The SDSRV CI shall return a Reject Notification if a Service Request fails validation.
			S-DSS-01070	IR1	The SDSRV CI shall respond to a Data Request with a response that shall contain a status and a pointer to the data.
			S-DSS-01760	IR1	The SDSRV CI shall log all reported error conditions.
DADS0600#B	Each DADS shall accept requests from the IMS to distribute data archived in the DADS to requesting users.		S-DSS-00015	A	The SDSRV CI shall insure that each Data Request includes a User Identifer, a Request Priority, and a Data Identifier.
			S-DSS-01770	A	The SDSRV CI shall log all reported warning conditions.
			S-DSS-00010	IR1	The SDSRV CI shall accept Data Requests for Data that is managed within the STMGT CI.
			S-DSS-00060	IR1	The SDSRV CI shall acknowledge the receipt of Service Requests from local and remote clients.
			S-DSS-00095	IR1	The SDSRV CI shall return a Reject Notification if a Service Request fails validation.
			S-DSS-01070	IR1	The SDSRV CI shall respond to a Data Request with a response that shall contain a status and a pointer to the data.
			S-DSS-01760	IR1	The SDSRV CI shall log all reported error conditions.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS0610#A	Each DADS shall support reprocessing.	A: Receive and store reprocessed data granules as if they were new data granules.	S-DSS-00010	IR1	The SDSRV CI shall accept Data Requests for Data that is managed within the STMGT CI.
DADS0610#B	Each DADS shall support reprocessing.	B: The context of reprocessing data indicates that identical data is used to produce higher level products but some parameter or algorithm has been changed. This requires a new version which will not be available until Release B.	S-DSS-00070	B	The SDSRV CI shall accept Service Requests from the Data Processing subsystem and, as a result, provide access to Data for the purpose of reprocessing.
			S-DSS-00010	IR1	The SDSRV CI shall accept Data Requests for Data that is managed within the STMGT CI.
DADS0660#A	Each DADS shall maintain a database of orders which shall include at a minimum: priorities, distribution directions, and all other details necessary to process orders including standing and multi-DADS orders.		S-DSS-01090	A	The SDSRV CI shall maintain a list of all active Service Requests within the Data Server. The list shall include Request Priorities, Distribution Instructions, and all information necessary to process each request.
			S-DSS-01100	A	The SDSRV CI shall provide the capability for operations staff to view the list of active Service Requests within the Data Server.
DADS0660#B	Each DADS shall maintain a database of orders which shall include at a minimum: priorities, distribution directions, and all other details necessary to process orders including standing and multi-DADS orders.		S-DSS-01090	A	The SDSRV CI shall maintain a list of all active Service Requests within the Data Server. The list shall include Request Priorities, Distribution Instructions, and all information necessary to process each request.
			S-DSS-01100	A	The SDSRV CI shall provide the capability for operations staff to view the list of active Service Requests within the Data Server.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS0680#A	Each DADS shall have the capability to support all required requests and shall grow as demand expands.	Capacity issue	S-INS-00380	A	The INGST CI shall provide authorized operations staff the capability to set thresholds for: a. Total number of Ingest Requests to process concurrently b. Number of Ingest Requests for each External Data Provider to process concurrently c. Total volume of data to ingest concurrently d Volume of data for each External Data Provider to ingest concurrently e. Number of data transfer retry attempts for each external interface to ECS
			S-INS-00390	A	The INGST CI shall authenticate the User Identifier of operations staff requesting to set thresholds for concurrent ingest processing.
			S-INS-00395	A	The INGST CI shall report status on ingest threshold setup Requests to the requesting operations staff and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier c. Unable to suspend specified Ingest Request(s)
DADS0680#B	Each DADS shall have the capability to support all required requests and shall grow as demand expands.	Capacity issue	S-DSS-20980	A	The STMGT CI shall provide the SDSRV CI the capability to open files on archive storage media in the DRPHW CI.
			S-DSS-20985	A	The STMGT CI shall provide the SDSRV CI the capability to open files on archive storage media in the WKSHW CI.
			S-DSS-20990	A	The STMGT CI shall provide the SDSRV CI the capability to close files on archive storage media in the DRPHW CI.
			S-DSS-20995	A	The STMGT CI shall provide the SDSRV CI the capability to close files on archive storage media in the WKSHW CI.
			S-DSS-21000	A	The STMGT CI shall provide the SDSRV CI the capability to read information from files on archive storage media in the DRPHW CI.
			S-DSS-21005	A	The STMGT CI shall provide the SDSRV CI the capability to read information from files on archive storage media in the WKSHW CI.
			S-DSS-21010	A	The STMGT CI shall provide the SDSRV CI the capability to write information into files on archive storage media in the DRPHW CI.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-21015	A	The STMGT CI shall provide the SDSRV CI the capability to write information into files on archive storage media in the WKSHW CI.
			S-DSS-21020	A	The STMGT CI shall provide the SDSRV CI the capability to allocate archive storage devices for Service Request processing in the DRPHW CI.
			S-DSS-21025	A	The STMGT CI shall provide the SDSRV CI the capability to allocate archive storage devices for Service Request processing in the WKSHW CI.
			S-DSS-21030	A	The STMGT CI shall provide the SDSRV CI the capability to deallocate archive storage devices in the DRPHW CI.
			S-DSS-21035	A	The STMGT CI shall provide the SDSRV CI the capability to deallocate archive storage devices in the DRPHW CI.
			S-DSS-21040	A	The STMGT CI shall provide the SDSRV CI the capability to open files on staging devices in the WKSHW CI.
			S-DSS-21050	A	The STMGT CI shall provide the SDSRV CI the capability to close files on staging devices in the WKSHW CI.
			S-DSS-01850	A	The Science Data Server shall be capable of supporting 200% growth in the number of Data Requests it accepts and validates without architecture or design change.
			S-DSS-10330	A	The Document Data Server shall be capable of supporting 200% growth in the number of Distribution Requests it accepts and validates without architecture or design change.
			S-INS-00380	A	The INGST CI shall provide authorized operations staff the capability to set thresholds for: a. Total number of Ingest Requests to process concurrently b. Number of Ingest Requests for each External Data Provider to process concurrently c. Total volume of data to ingest concurrently d Volume of data for each External Data Provider to ingest concurrently e. Number of data transfer retry attempts for each external interface to ECS
			S-INS-00390	A	The INGST CI shall authenticate the User Identifier of operations staff requesting to set thresholds for concurrent ingest processing.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00395	A	The INGST CI shall report status on ingest threshold setup Requests to the requesting operations staff and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier c. Unable to suspend specified Ingest Request(s)
			S-DSS-02010	A	The ACMHW CI shall be sized to support the number of operations/second derived from Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-01840	A	The Science Data Server shall accept and validate Data Requests per hour as derived from Section E.6 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-10320	A	The Document Data Server shall accept and validate the number of Distribution Requests per hour derived from Section E.6 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
DADS0690#A	Each DADS shall support the prioritized retrieval and delivery of data based on the priority information specified in the data retrieval request.		S-DSS-00050	A	The SDSRV CI shall process each Service Request on the basis of Priority Information specified in the Service Request.
			S-DSS-00055	A	The SDSRV CI shall initiate the processing of Service Requests of equal priority in the order in which they are received.
DADS0690#B	Each DADS shall support the prioritized retrieval and delivery of data based on the priority information specified in the data retrieval request.		S-DSS-00050	A	The SDSRV CI shall process each Service Request on the basis of Priority Information specified in the Service Request.
			S-DSS-00055	A	The SDSRV CI shall initiate the processing of Service Requests of equal priority in the order in which they are received.
DADS0700#A	Each DADS shall be capable of complying with data transfer cancellation or delay notifications.	A: Service Request cancellation	S-DSS-00220	A	The SDSRV CI shall provide operations staff the capability to cancel any Service Request.
			S-DSS-01770	A	The SDSRV CI shall log all reported warning conditions.

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-01780	A	The SDSRV CI shall be capable of canceling the execution of a Service Request.
			S-DSS-30160	A	The DDIST CI shall send a Notification to the originator of a Distribution Request in the event that the request is canceled by operations staff.
			S-DSS-30130	A	The DDIST CI shall provide the capability for operations staff to cancel the processing of Electronic Distribution Requests prior to the start of the transmission of the data.
			S-DSS-30140	A	The DDIST CI shall provide the capability for operations staff to cancel the data transmission initiated by the processing of an Electronic Distribution Request.
			S-DSS-30150	A	The DDIST CI shall provide the capability for operations staff to cancel the processing of a Media Distribution Request prior to the shipment of the media.
			S-INS-00350	A	The INGST CI shall accept an ingest Cancellation Request from authorized operations staff to cancel an ongoing ingest request, specifying the ingest Request Identifier.
			S-INS-00360	A	The INGST CI shall authenticate the User Identifier of operations staff submitting an ingest Cancellation Request.
			S-INS-00364	A	The INGST CI shall accept an ingest Cancellation Request from authorized applications to cancel an ongoing Ingest Request, specifying the Request Identifier.
			S-INS-00369	A	The INGST CI shall authenticate the User Identifier of an application submitting an ingest Cancellation Request.
			S-INS-00392	A	The INGST CI shall report status on ingest Cancellation Requests to the requesting operations staff and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier c. Unable to cancel specified Ingest Request
			S-INS-00396	A	The INGST CI shall report status on ingest Cancellation Requests to the requesting application and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier c. Unable to suspend specified Ingest Request(s)

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-00060	IR1	The SDSRV CI shall acknowledge the receipt of Service Requests from local and remote clients.
			S-DSS-00095	IR1	The SDSRV CI shall return a Reject Notification if a Service Request fails validation.
			S-DSS-01760	IR1	The SDSRV CI shall log all reported error conditions.
DADS0700#B	Each DADS shall be capable of complying with data transfer cancellation or delay notifications.	B: Service Requests Suspension and Resumption	S-DSS-00220	A	The SDSRV CI shall provide operations staff the capability to cancel any Service Request.
			S-DSS-01770	A	The SDSRV CI shall log all reported warning conditions.
			S-DSS-01780	A	The SDSRV CI shall be capable of canceling the execution of a Service Request.
			S-DSS-30160	A	The DDIST CI shall send a Notification to the originator of a Distribution Request in the event that the request is canceled by operations staff.
			S-DSS-30130	A	The DDIST CI shall provide the capability for operations staff to cancel the processing of Electronic Distribution Requests prior to the start of the transmission of the data.
			S-DSS-30140	A	The DDIST CI shall provide the capability for operations staff to cancel the data transmission initiated by the processing of an Electronic Distribution Request.
			S-DSS-30150	A	The DDIST CI shall provide the capability for operations staff to cancel the processing of a Media Distribution Request prior to the shipment of the media.
			S-INS-00350	A	The INGST CI shall accept an ingest Cancellation Request from authorized operations staff to cancel an ongoing ingest request, specifying the ingest Request Identifier.
			S-INS-00360	A	The INGST CI shall authenticate the User Identifier of operations staff submitting an ingest Cancellation Request.
			S-INS-00364	A	The INGST CI shall accept an ingest Cancellation Request from authorized applications to cancel an ongoing Ingest Request, specifying the Request Identifier.
			S-INS-00369	A	The INGST CI shall authenticate the User Identifier of an application submitting an ingest Cancellation Request.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00392	A	The INGST CI shall report status on ingest Cancellation Requests to the requesting operations staff and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier c. Unable to cancel specified Ingest Request
			S-INS-00396	A	The INGST CI shall report status on ingest Cancellation Requests to the requesting application and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier c. Unable to suspend specified Ingest Request(s)
			S-DSS-00215	B	The SDSRV CI shall provide operations staff the capability to modify any field in a queued Service request.
			S-DSS-00230	B	The SDSRV CI shall provide users the capability to cancel their own Service Requests.
			S-DSS-00290	B	The SDSRV CI shall accept Suspend Requests to suspend processing a client session.
			S-DSS-00300	B	The SDSRV CI shall accept Resume Requests to resume processing of a client session.
			S-INS-00355	B	The INGST CI shall accept an ingest Suspension Request from authorized operations staff to suspend ongoing ingest request processing for a specified ingest Request Identifier, to suspend all ongoing ingest request processing from a specified External Data Provider, or to suspend all ongoing ingest request processing.
			S-INS-00357	B	The INGST CI shall accept an ingest Resumption Request from authorized operations staff to resume ongoing ingest request processing for a specified ingest Request Identifier, to resume all ongoing ingest request processing from a specified External Data Provider, or to resume all ongoing ingest request processing.
			S-INS-00363	B	The INGST CI shall authenticate the User Identifier of operations staff submitting an ingest Suspension Request or ingest Resumption Request.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00393	B	The INGST CI shall report status on ingest Suspension Requests to the requesting operations staff and to the Error Log for the following: a._Unauthorized requester b._Invalid ingest Request Identifier c._Unable to suspend specified Ingest Request(s)
			S-INS-00397	B	The INGST CI shall report status on ingest Suspension Requests to the requesting application and to the Error Log for the following: a._Unauthorized requester b._Invalid ingest Request Identifier c._Unable to suspend specified Ingest Request(s)
			S-INS-00398	B	The INGST CI shall report status on ingest Resumption Requests to the requesting application and to the Error Log for the following: a._Unauthorized requester b._Invalid ingest Request Identifier
			S-INS-00394	B	The INGST CI shall report status on ingest Resumption Requests to the requesting operations staff and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier
			S-DSS-00060	IR1	The SDSRV CI shall acknowledge the receipt of Service Requests from local and remote clients.
			S-DSS-00095	IR1	The SDSRV CI shall return a Reject Notification if a Service Request fails validation.
			S-DSS-01760	IR1	The SDSRV CI shall log all reported error conditions.
DADS0740#B	Each DADS shall provide the capability to subset, subsample, or average data within a granule based on defined criteria to include: a. Geographic location (x, y, z) (spatial with rectangular boundaries) b. Spectral band c. Time d. WRS	Rel B function as defined by the Data Type Matrix.	S-DSS-00264	B	The SDSRV CI shall provide an application program interface which permits DAAC operations staff to link special subsetting capabilities into a Science Data Server.
			S-DSS-02901	B	The SDSRV CI shall provide the capability to subset, subsample, or average data within a granule based on Geographic location for products specified in Appendix F - Data Type Matrix, of the current version of 304-CD-005.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-02902	B	The SDSRV CI shall provide the capability to subset, subsample, or average data within a granule based on Spectral band for products specified in Appendix F - Data Type Matrix, of the current version of 304-CD-005.
			S-DSS-02903	B	The SDSRV CI shall provide the capability to subset, subsample, or average data within a granule based on Time for products specified in Appendix F - Data Type Matrix, of the current version of 304-CD-005.
			S-DSS-02904	B	The SDSRV CI shall provide the capability to subset, subsample, or average data within a granule based on WRS for products specified in Appendix F - Data Type Matrix, of the current version of 304-CD-005.
			S-DSS-02900	A	The SDSRV CI shall provide Data Type services on ECS Data as listed in Appendix F of the current version of 304-CD-005.
DADS0760#A	The DADS shall distribute data in approved standard formats including HDF and the Landsat 7 standard format (Landsat data only.)		S-DSS-30300	A	The DDIST CI shall provide the capability to view entries according to type of distribution, by time period or by Request Identifier (i.e., source of request).
			S-DSS-02900	A	The SDSRV CI shall provide Data Type services on ECS Data as listed in Appendix F of the current version of 304-CD-005.
			S-DSS-30515	A	The Data Server shall distribute data in the approved ECS standard format in which it is stored. (i.e., HDF-EOS, V0 native, or Landsat 7 standard format.)
DADS0760#B	The DADS shall distribute data in approved standard formats including HDF and the Landsat 7 standard format (Landsat data only.)		S-DSS-30300	A	The DDIST CI shall provide the capability to view entries according to type of distribution, by time period or by Request Identifier (i.e., source of request).
			S-DSS-02900	A	The SDSRV CI shall provide Data Type services on ECS Data as listed in Appendix F of the current version of 304-CD-005.
DADS0770#A	The DADS shall reformat data sets in one of the approved standard formats including HDF.		S-INS-00400	A	The INGST CI shall convert ingested data into a form accepted by the SDSRV CI / DDSRV CI, for following data types: a. NMC GRIB data.
			S-DPS-30740	A	The PRONG CI shall provide to the SDP Toolkit orbit and attitude data, including platform position and velocity vectors and platform attitude/attitude rate data, in the native format of the host hardware for TRMM processing.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DPS-30760	A	The PRONG CI shall provide to the SDP Toolkit orbit and attitude data, including platform position and velocity vectors and platform attitude/attitude rate data, in HDF-EOS format for TRMM processing.
DADS0770#B	The DADS shall reformat data sets in one of the approved standard formats including HDF.		S-INS-00400	A	The INGST CI shall convert ingested data into a form accepted by the SDSRV CI / DDSRV CI, for following data types: a. NMC GRIB data.
			S-DPS-30740	A	The PRONG CI shall provide to the SDP Toolkit orbit and attitude data, including platform position and velocity vectors and platform attitude/attitude rate data, in the native format of the host hardware for TRMM processing.
			S-DPS-30760	A	The PRONG CI shall provide to the SDP Toolkit orbit and attitude data, including platform position and velocity vectors and platform attitude/attitude rate data, in HDF-EOS format for TRMM processing.
			S-CLS-13400	B	The WKBCH CI shall obtain user authentication information from the user.
			S-DPS-30750	B	The PRONG CI shall provide to the SDP Toolkit orbit and attitude data including platform position and velocity vectors and platform attitude/attitude rate data, in the native format of the host hardware for EOS-AM processing.
			S-DPS-30770	B	The PRONG CI shall provide to the SDP Toolkit orbit and attitude data, including platform position and velocity vectors and platform attitude/attitude rate data, in HDF-EOS format for EOS-AM processing.
			S-DPS-31010	B	The PRONG CI shall provide to the SDP Toolkit EDOS-generated L0 header in the native format of the host hardware.
			S-INS-00402	B	The INGST CI shall reformat ingested data into a form accepted by the SDSRV CI/DDSRV CI, as needed.
			S-INS-00401	B	The INGST CI shall convert ingested data into a form accepted by the SDSRV CI/DDSRV CI.
DADS0780#A	Each DADS shall have the capability to incorporate additional ingest and data distribution formats and conversion software.		S-INS-00400	A	The INGST CI shall convert ingested data into a form accepted by the SDSRV CI / DDSRV CI, for following data types: a. NMC GRIB data.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DPS-30740	A	The PRONG CI shall provide to the SDP Toolkit orbit and attitude data, including platform position and velocity vectors and platform attitude/attitude rate data, in the native format of the host hardware for TRMM processing.
			S-DPS-30760	A	The PRONG CI shall provide to the SDP Toolkit orbit and attitude data, including platform position and velocity vectors and platform attitude/attitude rate data, in HDF-EOS format for TRMM processing.
DADS0780#B	Each DADS shall have the capability to incorporate additional ingest and data distribution formats and conversion software.		S-INS-00400	A	The INGST CI shall convert ingested data into a form accepted by the SDSRV CI / DDSRV CI, for following data types: a. NMC GRIB data.
			S-DPS-30740	A	The PRONG CI shall provide to the SDP Toolkit orbit and attitude data, including platform position and velocity vectors and platform attitude/attitude rate data, in the native format of the host hardware for TRMM processing.
			S-DPS-30760	A	The PRONG CI shall provide to the SDP Toolkit orbit and attitude data, including platform position and velocity vectors and platform attitude/attitude rate data, in HDF-EOS format for TRMM processing.
			S-CLS-13400	B	The WKBCH CI shall obtain user authentication information from the user.
			S-DPS-30750	B	The PRONG CI shall provide to the SDP Toolkit orbit and attitude data including platform position and velocity vectors and platform attitude/attitude rate data, in the native format of the host hardware for EOS-AM processing.
			S-DPS-30770	B	The PRONG CI shall provide to the SDP Toolkit orbit and attitude data, including platform position and velocity vectors and platform attitude/attitude rate data, in HDF-EOS format for EOS-AM processing.
			S-DPS-31010	B	The PRONG CI shall provide to the SDP Toolkit EDOS-generated L0 header in the native format of the host hardware.
			S-DSS-30482	B	The DDIST CI shall provide the capability to support additional data distribution formats and conversion software.
			S-INS-00401	B	The INGST CI shall convert ingested data into a form accepted by the SDSRV CI/DDSRV CI.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS0800#A	Each DADS shall provide the capability to translate input data to the internal ECS format including HDF.		S-INS-00400	A	The INGST CI shall convert ingested data into a form accepted by the SDSRV CI / DDSRV CI, for following data types: a. NMC GRIB data.
			S-DPS-30740	A	The PRONG CI shall provide to the SDP Toolkit orbit and attitude data, including platform position and velocity vectors and platform attitude/attitude rate data, in the native format of the host hardware for TRMM processing.
			S-DPS-30760	A	The PRONG CI shall provide to the SDP Toolkit orbit and attitude data, including platform position and velocity vectors and platform attitude/attitude rate data, in HDF-EOS format for TRMM processing.
DADS0800#B	Each DADS shall provide the capability to translate input data to the internal ECS format including HDF.		S-INS-00400	A	The INGST CI shall convert ingested data into a form accepted by the SDSRV CI / DDSRV CI, for following data types: a. NMC GRIB data.
			S-DPS-30740	A	The PRONG CI shall provide to the SDP Toolkit orbit and attitude data, including platform position and velocity vectors and platform attitude/attitude rate data, in the native format of the host hardware for TRMM processing.
			S-DPS-30760	A	The PRONG CI shall provide to the SDP Toolkit orbit and attitude data, including platform position and velocity vectors and platform attitude/attitude rate data, in HDF-EOS format for TRMM processing.
			S-CLS-13400	B	The WKBCH CI shall obtain user authentication information from the user.
			S-DPS-30750	B	The PRONG CI shall provide to the SDP Toolkit orbit and attitude data including platform position and velocity vectors and platform attitude/attitude rate data, in the native format of the host hardware for EOS-AM processing.
			S-DPS-30770	B	The PRONG CI shall provide to the SDP Toolkit orbit and attitude data, including platform position and velocity vectors and platform attitude/attitude rate data, in HDF-EOS format for EOS-AM processing.
			S-DPS-31010	B	The PRONG CI shall provide to the SDP Toolkit EDOS-generated L0 header in the native format of the host hardware.
			S-INS-00401	B	The INGST CI shall convert ingested data into a form accepted by the SDSRV CI/DDSRV CI.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS0880#A	For data which it has distributed, each DADS, via the LSM, shall generate required accounting information.				
DADS0880#B	For data which it has distributed, each DADS, via the LSM, shall generate required accounting information.		S-DSS-30190	B	The DDIST CI shall record the cost of the shipping and handling of the media associated with each Media Distribution request.
			S-DSS-30200	B	The DDIST CI shall record the network cost of data transmission, the User Identifier and the Request Identifier.
			S-DSS-30210	B	The DDIST CI shall record the cost of CPU intensive operations performed on data to be distributed. Such operations include compression/decompression and reformatting.
			S-DSS-30220	B	The DDIST CI shall record the cost of archive storage for data to be distributed based on distribution size.
			S-DSS-30230	B	The DDIST CI shall provide the capability to report the estimated media utilization to the SDSRV CI.
			S-DSS-30240	B	The DDIST CI shall provide the capability to report the actual media utilization to the SDSRV CI.
			S-DSS-30245	B	The DDIST CI shall provide the capability to report accounting data to the SDSRV CI.
			S-DSS-30795	B	For physical media distributions, the DDIST CI shall record the cost of the media to be used for accounting.
DADS0890#B	Each DADS shall generate resource utilization statistics (accounting data) as input to the billing process. The statistics include at a minimum: a. Standing order/data distribution request number b. Media cost c. CPU utilization d. I/O utilization e. Personnel costs f. Shipping/handling g. Networking cost h. Archival storage cost		S-DSS-00330	B	The SDSRV CI shall record Request Identifiers to be used for accounting purposes.
			S-DSS-00331	B	The SDSRV CI shall record the User Identifier of the science investigator associated with a Service Request, to be used for accounting purposes.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-00340	B	The SDSRV CI shall record the level of CPU utilization for each Service Request to be used for accounting.
			S-DSS-00350	B	The SDSRV CI shall record the level of I/O utilization for each Service Request to be used for accounting.
			S-DSS-00360	B	The SDSRV CI shall record, for accounting purposes, a fixed personnel cost for Service Requests requiring interaction with operations staff.
			S-DSS-00370	B	The SDSRV CI shall record a archival storage cost based on the number of bytes stored, to be used for accounting.
			S-DSS-00400	B	The SDSRV CI shall accept pricing information, based on disk, CPU and media utilization, from CSMS.
			S-DSS-00410	B	The SDSRV CI shall provide actual cost information by the completion of a Service Request.
			S-DSS-00420	B	The SDSRV CI shall record the amount of media utilized for a Distribution Request.
			S-DSS-00430	B	The SDSRV CI shall accept the amount of media utilized from the distribution services.
			S-DSS-00440	B	The SDSRV CI shall be capable of providing estimated Service Request Cost.
			S-DSS-03940	B	The SDSRV CI shall be capable of receiving estimated disk utilization from the PLANG CI.
			S-DSS-03950	B	The SDSRV CI shall be capable of receiving estimated CPU utilization from the PLANG CI.
			S-DSS-03960	B	The SDSRV CI shall be capable of receiving estimated disk utilization from the STMGT CI.
			S-DSS-03990	B	The SDSRV CI shall be capable of receiving actual disk utilization from the PLANG CI.
			S-DSS-04000	B	The SDSRV CI shall be capable of receiving actual CPU utilization from the PLANG CI.
			S-DSS-04010	B	The SDSRV CI shall be capable of receiving actual disk utilization from the STMGT CI.
			S-DSS-21340	B	The STMGT CI shall provide data to support administrative requests for Accounting Management Data.
			S-DSS-21350	B	The STMGT CI shall collect Accounting Management Data as defined in Appendix K of the current version of 304-CD-005.
			S-DSS-30190	B	The DDIST CI shall record the cost of the shipping and handling of the media associated with each Media Distribution request.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-30200	B	The DDIST CI shall record the network cost of data transmission, the User Identifier and the Request Identifier.
			S-DSS-30210	B	The DDIST CI shall record the cost of CPU intensive operations performed on data to be distributed. Such operations include compression/decompression and reformatting.
			S-DSS-30220	B	The DDIST CI shall record the cost of archive storage for data to be distributed based on distribution size.
			S-DSS-30230	B	The DDIST CI shall provide the capability to report the estimated media utilization to the SDSRV CI.
			S-DSS-30240	B	The DDIST CI shall provide the capability to report the actual media utilization to the SDSRV CI.
			S-DSS-30795	B	For physical media distributions, the DDIST CI shall record the cost of the media to be used for accounting.
DADS0901#A	The DADS element shall collect the management data used to support the following system management functions: a. Fault Management b. Configuration Management d. Accountability Management e. Performance Management f. Security Management g. Scheduling Management h. Distribution and Ingest Management	A: Full fault management reporting to SMC/LSM	C-MSS-10200	A	The MSS shall interface with the SDPS subsystems to exchange the data items in Table 5.1-2 as specified in the ECS internal ICDs, 313-DV3-003.
			S-DSS-00692	A	The SDSRV CI shall be capable of receiving data from the DDSRV CI.
			S-DSS-00694	A	The SDSRV CI shall be capable of receiving data from the STMGT CI.
			S-DSS-00696	A	The SDSRV CI shall be capable of receiving data from the DDIST CI.
			S-DSS-00820	A	The SDSRV CI shall provide a mechanism to control changes to the Configuration Management Data.
			S-DSS-01770	A	The SDSRV CI shall log all reported warning conditions.
			S-DSS-30165	A	The DDIST CI shall log a Distribution Request Cancellation Message whenever a Distribution Request is cancelled by the operations staff.
			S-DSS-30167	A	The DDIST CI shall log a Distribution Request Cancellation Message whenever a Distribution Request is cancelled by the science user.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			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-00209	A	The INGST CI shall report to the Error Log an unauthorized attempt to interactively request ingest of data.
			S-INS-00220	A	The INGST CI shall report status to the interactive submitter of a Network Ingest Request for the following: a. File transfer failure b. File size discrepancy 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. Unauthorized science user j. Missing required request information k. Successful archive of the data
			S-INS-00228	A	The INGST CI shall report to the Error Log an unauthorized attempt to interactively request ingest of document data.

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00230	A	The INGST CI shall report status to the interactive submitter of a Document Ingest Request for the following: a. File transfer failure b. File size discrepancy 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. Unauthorized science user j. Missing required request information k. Successful archive of the data
			S-INS-00295	A	The INGST CI shall return an error status to the requester and log information in the Error Log if status is requested on ongoing Ingest Requests from an unauthorized requester.
			S-INS-00340	A	The INGST CI shall report status on processing of an Ingest Request to the Error Log for the following: a. File transfer failure b. File size discrepancy c. Invalid Data Type Identifier d. Missing required metadata e. Metadata parameters out of range f. Metadata extraction failure g. Data conversion failure h. Data reformatting failure i. Failure to archive data j. Inability to transfer data within the specified time window k. Missing required request information l. Unauthorized Ingest Request submitter m. Successful archive of the data
			S-INS-00392	A	The INGST CI shall report status on ingest Cancellation Requests to the requesting operations staff and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier c. Unable to cancel specified Ingest Request

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00395	A	The INGST CI shall report status on ingest threshold setup Requests to the requesting operations staff and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier c. Unable to suspend specified Ingest Request(s)
			S-INS-00396	A	The INGST CI shall report status on ingest Cancellation Requests to the requesting application and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier c. Unable to suspend specified Ingest Request(s)
			S-INS-00050	A	The INGST CI shall report the following to the MSS event log services: a. Receipt of a network ingest request; b. Response to a network ingest request.
			S-DSS-01760	IR1	The SDSRV CI shall log all reported error conditions.
			S-INS-00345	A	The INGST CI shall report status on the performance of ingest requests to the MSS with the following information: a. file transfer duration b. file processing duration c. data insert duration
			S-DSS-00821	A	The SDSRV CI shall collect and provide Fault Management data to the MSS using a MSS provided Fault Management API.
			S-DSS-00831	A	The ACMHW CI shall support collection and maintenance of management data for Fault Management, configuration, performance, accountability, and security of Data Server CI hardware resources.
			S-DSS-00832	A	The WKSHW CI shall support collection and maintenance of management data for Fault Management, configuration, performance, accountability, and security of Data Server CI hardware resources.
			S-DSS-00833	A	The DRPHW CI shall support collection and maintenance of management data for Fault Management, configuration, performance, accountability, and security of Data Server CI hardware resources.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-00834	A	The DIPHW CI shall support collection and maintenance of management data for Fault Management, configuration, performance, accountability, and security of Data Server CI hardware resources.
			S-DSS-00828	A	The STMGT CI shall collect and provide Fault Management data to the MSS using a MSS provided Fault Management API.
			S-DSS-00841	A	The DDIST CI shall collect and provide Fault Management data to the MSS using a MSS provided Fault Management API.
			S-DSS-00849	A	The DDSRV CI shall collect and provide Fault Management data to the MSS using a MSS provided Fault Management API.
DADS0901#B	The DADS element shall collect the management data used to support the following system management functions: a. Fault Management b. Configuration Management c. Accounting Management d. Accountability Management e. Performance Management f. Security Management g. Scheduling Management h. Distribution and Ingest Management	B: Full capability - CM, Accountability, Performance, Security, Scheduling	S-DSS-00692	A	The SDSRV CI shall be capable of receiving data from the DDSRV CI.
			S-DSS-00694	A	The SDSRV CI shall be capable of receiving data from the STMGT CI.
			S-DSS-00696	A	The SDSRV CI shall be capable of receiving data from the DDIST CI.
			S-DSS-00820	A	The SDSRV CI shall provide a mechanism to control changes to the Configuration Management Data.
			S-DSS-01770	A	The SDSRV CI shall log all reported warning conditions.
			S-DSS-30165	A	The DDIST CI shall log a Distribution Request Cancellation Message whenever a Distribution Request is cancelled by the operations staff.
			S-DSS-30167	A	The DDIST CI shall log a Distribution Request Cancellation Message whenever a Distribution Request is cancelled by the science user.
			S-INS-00040	IR1	The INGST CI shall report status to the provider of a Network Ingest Request and to the Error Log indicating successful or unsuccessful authentication of the provider as authorized to submit the request.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			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-00209	A	The INGST CI shall report to the Error Log an unauthorized attempt to interactively request ingest of data.
			S-INS-00220	A	The INGST CI shall report status to the interactive submitter of a Network Ingest Request for the following: a. File transfer failure b. File size discrepancy 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. Unauthorized science user j. Missing required request information k. Successful archive of the data
			S-INS-00228	A	The INGST CI shall report to the Error Log an unauthorized attempt to interactively request ingest of document data.

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00230	A	The INGST CI shall report status to the interactive submitter of a Document Ingest Request for the following: a. File transfer failure b. File size discrepancy 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. Unauthorized science user j. Missing required request information k. Successful archive of the data
			S-INS-00295	A	The INGST CI shall return an error status to the requester and log information in the Error Log if status is requested on ongoing Ingest Requests from an unauthorized requester.
			S-INS-00340	A	The INGST CI shall report status on processing of an Ingest Request to the Error Log for the following: a. File transfer failure b. File size discrepancy c. Invalid Data Type Identifier d. Missing required metadata e. Metadata parameters out of range f. Metadata extraction failure g. Data conversion failure h. Data reformatting failure i. Failure to archive data j. Inability to transfer data within the specified time window k. Missing required request information l. Unauthorized Ingest Request submitter m. Successful archive of the data
			S-INS-00392	A	The INGST CI shall report status on ingest Cancellation Requests to the requesting operations staff and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier c. Unable to cancel specified Ingest Request

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00395	A	The INGST CI shall report status on ingest threshold setup Requests to the requesting operations staff and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier c. Unable to suspend specified Ingest Request(s)
			S-INS-00396	A	The INGST CI shall report status on ingest Cancellation Requests to the requesting application and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier c. Unable to suspend specified Ingest Request(s)
			S-INS-00050	A	The INGST CI shall report the following to the MSS event log services: a. Receipt of a network ingest request; b. Response to a network ingest request.
			S-DSS-00830	B	The SDSRV CI shall collect Fault Management Data, such as, device failures, Service Request failures, transmission failures and general failures. This information shall be sent to the SMC for fault isolation.
			S-DSS-20840	B	The STMGT CI shall report information on the storage system. Information reported shall include file access time, file accesses per hour, size of files stored onto archive media, size of files retrieved from archive media, amount of storage allocated.
			S-DSS-20850	B	The STMGT CI shall collect information on the storage system, i.e. avg access time, avg number of accesses per hour, mean request inter-arrival time, avg file size stored, avg file size retrieved and avg file residency time on disk.
			S-DSS-20860	B	The STMGT CI shall provide a mechanism to monitor the performance of the ECS archival storage system.
			S-DSS-21340	B	The STMGT CI shall provide data to support administrative requests for Accounting Management Data.
			S-DSS-21350	B	The STMGT CI shall collect Accounting Management Data as defined in Appendix K of the current version of 304-CD-005.
			S-DSS-30190	B	The DDIST CI shall record the cost of the shipping and handling of the media associated with each Media Distribution request.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-30200	B	The DDIST CI shall record the network cost of data transmission, the User Identifier and the Request Identifier.
			S-DSS-30220	B	The DDIST CI shall record the cost of archive storage for data to be distributed based on distribution size.
			S-DSS-30230	B	The DDIST CI shall provide the capability to report the estimated media utilization to the SDSRV CI.
			S-DSS-30240	B	The DDIST CI shall provide the capability to report the actual media utilization to the SDSRV CI.
			S-DSS-30795	B	For physical media distributions, the DDIST CI shall record the cost of the media to be used for accounting.
			S-INS-00393	B	The INGST CI shall report status on ingest Suspension Requests to the requesting operations staff and to the Error Log for the following: a._Unauthorized requester b._Invalid ingest Request Identifier c._Unable to suspend specified Ingest Request(s)
			S-INS-00397	B	The INGST CI shall report status on ingest Suspension Requests to the requesting application and to the Error Log for the following: a._Unauthorized requester b._Invalid ingest Request Identifier c._Unable to suspend specified Ingest Request(s)
			S-INS-00398	B	The INGST CI shall report status on ingest Resumption Requests to the requesting application and to the Error Log for the following: a._Unauthorized requester b._Invalid ingest Request Identifier
			S-INS-00394	B	The INGST CI shall report status on ingest Resumption Requests to the requesting operations staff and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier
			S-DSS-01760	IR1	The SDSRV CI shall log all reported error conditions.
			S-INS-00345	A	The INGST CI shall report status on the performance of ingest requests to the MSS with the following information: a. file transfer duration b. file processing duration c. data insert duration
			S-DSS-00821	A	The SDSRV CI shall collect and provide Fault Management data to the MSS using a MSS provided Fault Management API.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-00822	B	The SDSRV CI shall collect and provide Configuration Management data to the MSS using a MSS provided Configuration Management API.
			S-DSS-00823	B	The SDSRV CI shall collect and provide Accounting Management data to the MSS using a MSS provided Accounting Management API.
			S-DSS-00824	B	The SDSRV CI shall collect and provide Accountability Management data to the MSS using a MSS provided Accountability Management API.
			S-DSS-00825	B	The SDSRV CI shall collect and provide Performance Management data to the MSS using a MSS provided Performance Management API.
			S-DSS-00826	B	The SDSRV CI shall collect and provide Security Management data to the MSS using a MSS provided Security Management API.
			S-DSS-00827	B	The SDSRV CI shall collect and provide Scheduling Management data to the MSS using a MSS provided Scheduling Management API.
			S-DSS-00831	A	The ACMHW CI shall support collection and maintenance of management data for Fault Management, configuration, performance, accountability, and security of Data Server CI hardware resources.
			S-DSS-00832	A	The WKSHW CI shall support collection and maintenance of management data for Fault Management, configuration, performance, accountability, and security of Data Server CI hardware resources.
			S-DSS-00833	A	The DRPHW CI shall support collection and maintenance of management data for Fault Management, configuration, performance, accountability, and security of Data Server CI hardware resources.
			S-DSS-00834	A	The DIPHW CI shall support collection and maintenance of management data for Fault Management, configuration, performance, accountability, and security of Data Server CI hardware resources.
			S-DSS-00828	A	The STMGT CI shall collect and provide Fault Management data to the MSS using a MSS provided Fault Management API.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-00841	A	The DDIST CI shall collect and provide Fault Management data to the MSS using a MSS provided Fault Management API.
			S-DSS-00849	A	The DDSRV CI shall collect and provide Fault Management data to the MSS using a MSS provided Fault Management API.
			S-DSS-00829	B	The STMGT CI shall collect and provide Configuration Management data to the MSS using a MSS provided Configuration Management API.
			S-DSS-00835	B	The STMGT CI shall collect and provide Accounting Management data to the MSS using a MSS provided Accounting Management API.
			S-DSS-00836	B	The STMGT CI shall collect and provide Accountability Management data to the MSS using a MSS provided Accountability Management API.
			S-DSS-00837	B	The STMGT CI shall collect and provide Performance Management data to the MSS using a MSS provided Performance Management API.
			S-DSS-00838	B	The STMGT CI shall collect and provide Security Management data to the MSS using a MSS provided Security Management API.
			S-DSS-00839	B	The STMGT CI shall collect and provide Scheduling Management data to the MSS using a MSS provided Scheduling Management API.
			S-DSS-00843	B	The DDIST CI shall collect and provide Accounting Management data to the MSS using a MSS provided Accounting Management API.
			S-DSS-00842	B	The DDIST CI shall collect and provide Configuration Management data to the MSS using a MSS provided Configuration Management API.
			S-DSS-00844	B	The DDIST CI shall collect and provide Accountability Management data to the MSS using a MSS provided Accountability Management API.
			S-DSS-00845	B	The DDIST CI shall collect and provide Performance Management data to the MSS using a MSS provided Performance Management API.
			S-DSS-00846	B	The DDIST CI shall collect and provide Security Management data to the MSS using a MSS provided Security Management API.
			S-DSS-00847	B	The DDIST CI shall collect and provide Scheduling Management data to the MSS using a MSS provided Scheduling Management API.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-00848	B	The DDIST CI shall collect and provide Distribution Management data to the MSS using a MSS provided Distribution Management API.
			S-DSS-00851	B	The DDSRV CI shall collect and provide Configuration Management data to the MSS using a MSS provided Configuration Management API.
			S-DSS-00852	B	The DDSRV CI shall collect and provide Accounting Management data to the MSS using a MSS provided Accounting Management API.
			S-DSS-00853	B	The DDSRV CI shall collect and provide Accountability Management data to the MSS using a MSS provided Accountability Management API.
			S-DSS-00854	B	The DDSRV CI shall collect and provide Performance Management data to the MSS using a MSS provided Performance Management API.
			S-DSS-00855	B	The DDSRV CI shall collect and provide Security Management data to the MSS using a MSS provided Security Management API.
			S-DSS-00856	B	The DDSRV CI shall collect and provide Scheduling Management data to the MSS using a MSS provided Scheduling Management API.
DADS0910#B	Each DADS shall notify the SMC and IMS in the event that data required in connection with an on-demand request does not arrive.		C-MSS-36575	B	The Management Agent Service shall have the capability to receive status of data distribution from the DSS.
			S-DSS-01080	B	The SDSRV CI shall notify operations staff in the event that data required for an on-demand data production is not accessible.
			S-DSS-01200	B	The SDSRV CI shall notify the requester in the event that an on-demand data production cannot be completed.
DADS0925#B	Each DADS shall, in the event of noncompliance (e.g., non-arrival of scheduled data) forward a description of noncompliance to the SMC.		S-DSS-00830	B	The SDSRV CI shall collect Fault Management Data, such as, device failures, Service Request failures, transmission failures and general failures. This information shall be sent to the SMC for fault isolation.
DADS0927#A	Each DADS shall generate and send to SMC reports of the status of the distribution of data.		S-DSS-30350	A	The DDIST CI shall provide the capability to generate reports on the distribution activity for a period specified by operations staff.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS0927#B	Each DADS shall generate and send to SMC reports of the status of the distribution of data.		S-DSS-30350	A	The DDIST CI shall provide the capability to generate reports on the distribution activity for a period specified by operations staff.
DADS0930#B	Each DADS shall provide the IMS an estimate of the staging delay before subsetted, subsampled, or summary data sets are available.	B: Release B prod ucts for the missions as decribed in the table in the SOW. + subsetting, subsampling, summary data as per data type matrix	S-DSS-21130	B	The STMGT CI shall provide estimates of staging device time delays for subsetted Data Requests.
			S-DSS-21140	B	The STMGT CI shall provide estimates of staging device time delays for subsampled Data Requests.
			S-DSS-21150	B	The STMGT CI shall provide estimates of staging device time delays for summary Data Requests.
			S-DSS-21320	B	The STMGT CI shall provide the capability to estimate time delays for data retrievals due to contention for hardware resources.
DADS0940#A	Each DADS shall send distribution status to the IMS in response to distribution status requests from the IMS.		S-DSS-20060	A	The STMGT CI shall accept Archive Status Requests for the status of ongoing Insert and Retrieve Requests.
			S-DSS-20070	A	The STMGT CI shall check each Archive Status Request it receives for the correct type of data in all fields. Fields that shall be checked include Current Request Identifier and Request Identifier of previous Insert or Retrieve Requests to be statused.
			S-DSS-30170	A	The DDIST CI shall respond to Status Requests from science users with a Request State indicating that the specified Distribution Request is "pending", "active", or "not found".
			S-DSS-30171	A	The DDIST CI shall respond to Status Requests from operations staff with a Request State indicating that the specified Distribution Request is "pending", "staging", "transferring" or "not found".
			S-DSS-30250	A	Upon the receipt of a status request, DDIST shall validate and provide the status of previously submitted distribution request.
			S-DSS-30430	A	The DDIST CI shall provide the capability for the operations staff to manually enter the status of a physical media shipment. Status will be updated from "waiting for shipment" to "shipped".

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-30431	A	The DDIST CI shall log a physical media shipment using the following categories: pending, active, waiting for shipment.
			S-DSS-01210	A	The SDSRV CI shall provide Request Status to a client, concerning pending Service Requests, as specified in Appendix A of the current version of 304-CD-002 for Release A and as specified in Appendix K of the current version of 304-CD-005 for Release B.
DADS0940#B	Each DADS shall send distribution status to the IMS in response to distribution status requests from the IMS.		S-DSS-20060	A	The STMGT CI shall accept Archive Status Requests for the status of ongoing Insert and Retrieve Requests.
			S-DSS-20070	A	The STMGT CI shall check each Archive Status Request it receives for the correct type of data in all fields. Fields that shall be checked include Current Request Identifier and Request Identifier of previous Insert or Retrieve Requests to be statused.
			S-DSS-30170	A	The DDIST CI shall respond to Status Requests from science users with a Request State indicating that the specified Distribution Request is "pending", "active", or "not found".
			S-DSS-30171	A	The DDIST CI shall respond to Status Requests from operations staff with a Request State indicating that the specified Distribution Request is "pending", "staging", "transferring" or "not found".
			S-DSS-30250	A	Upon the receipt of a status request, DDIST shall validate and provide the status of previously submitted distribution request.
			S-DSS-30430	A	The DDIST CI shall provide the capability for the operations staff to manually enter the status of a physical media shipment. Status will be updated from "waiting for shipment" to "shipped".
			S-DSS-30431	A	The DDIST CI shall log a physical media shipment using the following categories: pending, active, waiting for shipment.
			S-DSS-01210	A	The SDSRV CI shall provide Request Status to a client, concerning pending Service Requests, as specified in Appendix A of the current version of 304-CD-002 for Release A and as specified in Appendix K of the current version of 304-CD-005 for Release B.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS0960#A	Each DADS shall automatically send data distribution status to the IMS upon completion of the distribution process.		S-DSS-01060	A	The SDSRV CI shall send a Notification to a client that issued a Data Request once the Data Product has been produced or when the STMGT CI has made the Data available.
DADS0960#B	Each DADS shall automatically send data distribution status to the IMS upon completion of the distribution process.		S-DSS-01060	A	The SDSRV CI shall send a Notification to a client that issued a Data Request once the Data Product has been produced or when the STMGT CI has made the Data available.
DADS1000#A	The DADS shall receive distribution status requests from the collocated PGS.		S-DSS-03860	A	The SDSRV CI shall be capable of receiving status from the PRONG CI.
			S-DSS-20060	A	The STMGT CI shall accept Archive Status Requests for the status of ongoing Insert and Retrieve Requests.
			S-DSS-20070	A	The STMGT CI shall check each Archive Status Request it receives for the correct type of data in all fields. Fields that shall be checked include Current Request Identifier and Request Identifier of previous Insert or Retrieve Requests to be statused.
			S-DSS-30250	A	Upon the receipt of a status request, DDIST shall validate and provide the status of previously submitted distribution request.
			S-DSS-01210	A	The SDSRV CI shall provide Request Status to a client, concerning pending Service Requests, as specified in Appendix A of the current version of 304-CD-002 for Release A and as specified in Appendix K of the current version of 304-CD-005 for Release B.
DADS1000#B	The DADS shall receive distribution status requests from the collocated PGS.		S-DSS-03860	A	The SDSRV CI shall be capable of receiving status from the PRONG CI.
			S-DSS-20060	A	The STMGT CI shall accept Archive Status Requests for the status of ongoing Insert and Retrieve Requests.
			S-DSS-20070	A	The STMGT CI shall check each Archive Status Request it receives for the correct type of data in all fields. Fields that shall be checked include Current Request Identifier and Request Identifier of previous Insert or Retrieve Requests to be statused.
			S-DSS-30250	A	Upon the receipt of a status request, DDIST shall validate and provide the status of previously submitted distribution request.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-01210	A	The SDSRV CI shall provide Request Status to a client, concerning pending Service Requests, as specified in Appendix A of the current version of 304-CD-002 for Release A and as specified in Appendix K of the current version of 304-CD-005 for Release B.
DADS1010#A	Each DADS shall send to the requesting PGS or IMS, staging status of requests for retrieval of data products.		S-DSS-03860	A	The SDSRV CI shall be capable of receiving status from the PRONG CI.
			S-DSS-21100	A	The STMGT CI shall provide the SDSRV CI the capability to obtain information concerning files on staging devices in the WKSHW CI. Note: File info. includes file name, size, type, organization, creation date, protections, owner, last access time and id of last entity to access file.
			S-DSS-30170	A	The DDIST CI shall respond to Status Requests from science users with a Request State indicating that the specified Distribution Request is "pending", "active", or "not found".
			S-DSS-01210	A	The SDSRV CI shall provide Request Status to a client, concerning pending Service Requests, as specified in Appendix A of the current version of 304-CD-002 for Release A and as specified in Appendix K of the current version of 304-CD-005 for Release B.
DADS1010#B	Each DADS shall send to the requesting PGS or IMS, staging status of requests for retrieval of data products.		S-DSS-03860	A	The SDSRV CI shall be capable of receiving status from the PRONG CI.
			S-DSS-21100	A	The STMGT CI shall provide the SDSRV CI the capability to obtain information concerning files on staging devices in the WKSHW CI. Note: File info. includes file name, size, type, organization, creation date, protections, owner, last access time and id of last entity to access file.
			S-DSS-30170	A	The DDIST CI shall respond to Status Requests from science users with a Request State indicating that the specified Distribution Request is "pending", "active", or "not found".
			S-DSS-00260	B	The SDSRV CI shall provide an application program interface for the submission of requests for administrative services.
			S-DSS-00270	B	The SDSRV CI shall accept and process Data Requests for Repaired Orbit Data.

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-01210	A	The SDSRV CI shall provide Request Status to a client, concerning pending Service Requests, as specified in Appendix A of the current version of 304-CD-002 for Release A and as specified in Appendix K of the current version of 304-CD-005 for Release B.
DADS1020#A	Each DADS shall generate data retrieval status to acknowledge the receipt of a product order. The data retrieval status shall indicate the acceptance or rejection of the request. In the event of rejection, the status shall contain an indication of the reason for rejection (e.g., distribution parameters missing, data not present or unreadable).		S-DSS-00060	IR1	The SDSRV CI shall acknowledge the receipt of Service Requests from local and remote clients.
			S-DSS-00095	IR1	The SDSRV CI shall return a Reject Notification if a Service Request fails validation.
DADS1020#B	Each DADS shall generate data retrieval status to acknowledge the receipt of a product order. The data retrieval status shall indicate the acceptance or rejection of the request. In the event of rejection, the status shall contain an indication of the reason for rejection (e.g., distribution parameters missing, data not present or unreadable).		S-DSS-00060	IR1	The SDSRV CI shall acknowledge the receipt of Service Requests from local and remote clients.
			S-DSS-00095	IR1	The SDSRV CI shall return a Reject Notification if a Service Request fails validation.
DADS1030#A	Each DADS shall generate data distribution status to monitor the progress of the distribution process.		S-DSS-30110	A	The DDIST CI shall provide the capability for operations staff to list Distribution Requests according to whether the request is an Electronic Distribution Request or a Media Distribution Request.
			S-DSS-30120	A	The DDIST CI shall provide the capability for operations staff to select for viewing Media Distribution Requests and Electronic Distribution Requests.
			S-DSS-30115	A	The DDIST CI shall provide the capability for operations staff to list Distribution Requests according to Request Identifier and status.
			S-DSS-30270	A	The DDIST CI shall log the following to the Distribution Activity Log, for each Media Distribution Request: User Identifier, Media Identifiers, Media Type/Form Factor, and the Distribution Size.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-30430	A	The DDIST CI shall provide the capability for the operations staff to manually enter the status of a physical media shipment. Status will be updated from "waiting for shipment" to "shipped".
			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.
DADS1030#B	Each DADS shall generate data distribution status to monitor the progress of the distribution process.		S-DSS-30110	A	The DDIST CI shall provide the capability for operations staff to list Distribution Requests according to whether the request is an Electronic Distribution Request or a Media Distribution Request.
			S-DSS-30120	A	The DDIST CI shall provide the capability for operations staff to select for viewing Media Distribution Requests and Electronic Distribution Requests.
			S-DSS-30115	A	The DDIST CI shall provide the capability for operations staff to list Distribution Requests according to Request Identifier and status.
			S-DSS-30270	A	The DDIST CI shall log the following to the Distribution Activity Log, for each Media Distribution Request: User Identifier, Media Identifiers, Media Type/Form Factor, and the Distribution Size.
			S-DSS-30370	A	The DDIST CI shall log the number of physical media that is created during distribution.
			S-DSS-30380	A	The DDIST CI shall log the Media Destination and the number of data items distributed in a physical media distribution.
			S-DSS-30390	A	The DDIST CI shall log the Data Destination and the number of data items distributed in an electronic distribution.
			S-DSS-30400	A	The DDIST CI shall log the User Identifier for the user that originated the Data Distribution Request.
			S-DSS-30430	A	The DDIST CI shall provide the capability for the operations staff to manually enter the status of a physical media shipment. Status will be updated from "waiting for shipment" to "shipped".

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			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.
DADS1070#A	The DADS shall send data check and storage status to the provider of ingest data.	A: Full capability	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-20060	A	The STMGT CI shall accept Archive Status Requests for the status of ongoing Insert and Retrieve Requests.
			S-DSS-20070	A	The STMGT CI shall check each Archive Status Request it receives for the correct type of data in all fields. Fields that shall be checked include Current Request Identifier and Request Identifier of previous Insert or Retrieve Requests to be statused.
			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

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00220	A	The INGST CI shall report status to the interactive submitter of a Network Ingest Request for the following: a. File transfer failure b. File size discrepancy 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. Unauthorized science user j. Missing required request information k. Successful archive of the data
			S-INS-00230	A	The INGST CI shall report status to the interactive submitter of a Document Ingest Request for the following: a. File transfer failure b. File size discrepancy 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. Unauthorized science user j. Missing required request information k. Successful archive of the data
			S-INS-00235	A	The INGST CI shall accept ingest Status Requests from science users to determine the status of: a. A specified ongoing Ingest Request, previously submitted by the science user who is requesting status and identified by the ingest Request Identifier b. All of the user's ongoing Ingest Requests
			S-INS-00240	A	The INGST CI shall determine the User Identifier for a science user submitting an ingest Status Request.
			S-INS-00250	A	The INGST CI shall return status on a science user's ongoing Network Ingest Requests, based on User Identifier, to the user.
			S-INS-00260	A	The INGST CI shall provide science users the capability to display the status of the user's ongoing request processing. Displayed status shall include the External Data Provider, ingest Request Identifier, total ingest data volume, and Request State.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00270	A	The INGST CI shall accept ingest Status Requests from authorized operations staff to determine the status of: a. A specified ongoing Ingest Request identified by ingest Request Identifier b. All ongoing Ingest Requests associated with a specified User Identifier c. All ongoing Ingest Requests
			S-INS-00280	A	The INGST CI shall determine the User Identifier for an operations staff member submitting an ingest Status Request.
			S-INS-00290	A	The INGST CI shall authenticate the User Identifier of operations staff requesting status on all ongoing Ingest Requests.
			S-INS-00295	A	The INGST CI shall return an error status to the requester and log information in the Error Log if status is requested on ongoing Ingest Requests from an unauthorized requester.
			S-INS-00300	A	The INGST CI shall return status on ongoing Ingest Requests to an authorized operations staff member.
			S-INS-00310	A	The INGST CI shall provide authorized operations staff the capability to view the status of ongoing ingest processing. Displayed status shall include the External Data Provider, ingest Request Identifier, total ingest data volume, and Request State.
			S-INS-00315	A	The INGST CI shall provide the capability for authorized operations staff to select status of ongoing Ingest Request processing for viewing by means of the External Data Provider.
			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

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00085	A	The INGST CI shall report status to the provider of a polling ingest request (delivery record file) for the following: a. File transfer failure; b. File size descrepancies; c. Invalid data type identifier; d. Missing required meatdata; e. Metadata parameters out of range; f. Failure to archive data; g. Missing required request information; h. Successful archive of the data.
DADS1070#B	The DADS shall send data check and storage status to the provider of ingest data.		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-20060	A	The STMGT CI shall accept Archive Status Requests for the status of ongoing Insert and Retrieve Requests.
			S-DSS-20070	A	The STMGT CI shall check each Archive Status Request it receives for the correct type of data in all fields. Fields that shall be checked include Current Request Identifier and Request Identifier of previous Insert or Retrieve Requests to be statused.
			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

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00220	A	The INGST CI shall report status to the interactive submitter of a Network Ingest Request for the following: a. File transfer failure b. File size discrepancy 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. Unauthorized science user j. Missing required request information k. Successful archive of the data
			S-INS-00230	A	The INGST CI shall report status to the interactive submitter of a Document Ingest Request for the following: a. File transfer failure b. File size discrepancy 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. Unauthorized science user j. Missing required request information k. Successful archive of the data
			S-INS-00235	A	The INGST CI shall accept ingest Status Requests from science users to determine the status of: a. A specified ongoing Ingest Request, previously submitted by the science user who is requesting status and identified by the ingest Request Identifier b. All of the user's ongoing Ingest Requests
			S-INS-00240	A	The INGST CI shall determine the User Identifier for a science user submitting an ingest Status Request.
			S-INS-00250	A	The INGST CI shall return status on a science user's ongoing Network Ingest Requests, based on User Identifier, to the user.
			S-INS-00260	A	The INGST CI shall provide science users the capability to display the status of the user's ongoing request processing. Displayed status shall include the External Data Provider, ingest Request Identifier, total ingest data volume, and Request State.

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00270	A	The INGST CI shall accept ingest Status Requests from authorized operations staff to determine the status of: a. A specified ongoing Ingest Request identified by ingest Request Identifier b. All ongoing Ingest Requests associated with a specified User Identifier c. All ongoing Ingest Requests
			S-INS-00280	A	The INGST CI shall determine the User Identifier for an operations staff member submitting an ingest Status Request.
			S-INS-00290	A	The INGST CI shall authenticate the User Identifier of operations staff requesting status on all ongoing Ingest Requests.
			S-INS-00295	A	The INGST CI shall return an error status to the requester and log information in the Error Log if status is requested on ongoing Ingest Requests from an unauthorized requester.
			S-INS-00300	A	The INGST CI shall return status on ongoing Ingest Requests to an authorized operations staff member.
			S-INS-00310	A	The INGST CI shall provide authorized operations staff the capability to view the status of ongoing ingest processing. Displayed status shall include the External Data Provider, ingest Request Identifier, total ingest data volume, and Request State.
			S-INS-00315	A	The INGST CI shall provide the capability for authorized operations staff to select status of ongoing Ingest Request processing for viewing by means of the External Data Provider.
			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

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00085	A	The INGST CI shall report status to the provider of a polling ingest request (delivery record file) for the following: a. File transfer failure; b. File size descrepancies; c. Invalid data type identifier; d. Missing required meatdata; e. Metadata parameters out of range; f. Failure to archive data; g. Missing required request information; h. Successful archive of the data.
DADS1070#Ir1	The DADS shall send data check and storage status to the provider of ingest data.	Ir1: This requirement is supported as follows: Ir1 shall report errors and status to TSDIS and SDPF in support of the testing of the ingest interfaces with TSDIS and SDPF.	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
DADS1080#A	Each DADS shall maintain a data receipt log.		S-DSS-01770	A	The SDSRV CI shall log all reported warning conditions.
			S-INS-00490	A	The INGST CI shall log the following information in an Ingest History Log for each received Ingest Request: a. Ingest start/stop dates and times b. Ingest Request Identifier c. External Data Provider d. Final Service Request Status e. Data Type Identifiers f. Ingest data volume g. # of data sets h. # of data files
			S-INS-00500	A	The INGST CI shall provide operations staff the capability to view selected entries from the Ingest History Log.
			S-DSS-01760	IR1	The SDSRV CI shall log all reported error conditions.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00510	A	The INGST CI shall provide the capability to select Ingest History Log entries for viewing by the following parameters: a. Ingest start/stop dates and times b. External Data Provider c. Data Type Identifier d. Final Service Request Status e. Test or operational mode
DADS1080#B	Each DADS shall maintain a data receipt log.		S-DSS-01770	A	The SDSRV CI shall log all reported warning conditions.
			S-INS-00490	A	The INGST CI shall log the following information in an Ingest History Log for each received Ingest Request: a. Ingest start/stop dates and times b. Ingest Request Identifier c. External Data Provider d. Final Service Request Status e. Data Type Identifiers f. Ingest data volume g. # of data sets h. # of data files
			S-INS-00500	A	The INGST CI shall provide operations staff the capability to view selected entries from the Ingest History Log.
			S-DSS-01760	IR1	The SDSRV CI shall log all reported error conditions.
			S-INS-00510	A	The INGST CI shall provide the capability to select Ingest History Log entries for viewing by the following parameters: a. Ingest start/stop dates and times b. External Data Provider c. Data Type Identifier d. Final Service Request Status e. Test or operational mode
DADS1085#A	Each DADS shall maintain a data access log.		S-DSS-00470	A	The SDSRV CI shall log all access to data in a Data Access Log.
			S-DSS-00480	A	The SDSRV CI shall provide the capability for operations staff to view the Data Access Log.
			S-DSS-00500	A	The SDSRV CI shall provide the capability for operations staff to sort the Data Access Log by time frame, source of access and data type.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-00510	A	The SDSRV CI shall provide the capability for operations staff to select for viewing from the Data Access Log entries related to data type, source of access, or time frame.
DADS1085#B	Each DADS shall maintain a data access log.		S-DSS-00470	A	The SDSRV CI shall log all access to data in a Data Access Log.
			S-DSS-00480	A	The SDSRV CI shall provide the capability for operations staff to view the Data Access Log.
			S-DSS-00500	A	The SDSRV CI shall provide the capability for operations staff to sort the Data Access Log by time frame, source of access and data type.
			S-DSS-00510	A	The SDSRV CI shall provide the capability for operations staff to select for viewing from the Data Access Log entries related to data type, source of access, or time frame.
DADS1100#A	Each DADS shall maintain a log of all updates to the local inventory. The log shall be used to generate status reports and, in conjunction with the inventory backup, recreate the local inventory in the event of catastrophic failure.		S-DSS-20090	A	The STMGT CI shall maintain an Inventory Update Log. The following information shall be recorded: time and date of update, unique data identifier, archive media name, source of data, storage device name and requester.
			S-DSS-20670	A	For each data item archived, the STMGT CI shall record the event in the Inventory Update Log.
			S-DSS-20690	A	The STMGT CI shall provide the capability to display/view/print the Inventory Update Log.
			S-DSS-20700	A	The STMGT CI shall provide the capability to select/extract Inventory Update Log records for time periods selected by operations staff.
DADS1100#B	Each DADS shall maintain a log of all updates to the local inventory. The log shall be used to generate status reports and, in conjunction with the inventory backup, recreate the local inventory in the event of catastrophic failure.		S-DSS-20090	A	The STMGT CI shall maintain an Inventory Update Log. The following information shall be recorded: time and date of update, unique data identifier, archive media name, source of data, storage device name and requester.
			S-DSS-20670	A	For each data item archived, the STMGT CI shall record the event in the Inventory Update Log.
			S-DSS-20690	A	The STMGT CI shall provide the capability to display/view/print the Inventory Update Log.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-20700	A	The STMGT CI shall provide the capability to select/extract Inventory Update Log records for time periods selected by operations staff.
DADS1110#A	Each DADS shall maintain a data distribution log.		S-DSS-30165	A	The DDIST CI shall log a Distribution Request Cancellation Message whenever a Distribution Request is cancelled by the operations staff.
			S-DSS-30167	A	The DDIST CI shall log a Distribution Request Cancellation Message whenever a Distribution Request is cancelled by the science user.
			S-DSS-30260	A	The DDIST CI shall log the receipt of a Data Distribution Request in the Distribution Activity Log.
			S-DSS-30270	A	The DDIST CI shall log the following to the Distribution Activity Log, for each Media Distribution Request: User Identifier, Media Identifiers, Media Type/Form Factor, and the Distribution Size.
			S-DSS-30280	A	The DDIST CI shall log the following to the Distribution Activity Log, for each Electronic Distribution Request: User Identifier, Data Destination, and the Distribution Size.
			S-DSS-30290	A	The DDIST CI shall provide operations staff with the capability to display the Distribution Activity Log.
			S-DSS-30300	A	The DDIST CI shall provide the capability to view entries according to type of distribution, by time period or by Request Identifier (i.e., source of request).
			S-DSS-30305	A	The DDIST CI shall provide the capability to view entries according to type of distribution, by time period or by data type (i.e., source of request).
			S-DSS-30310	A	The DDIST CI shall provide the capability to sort the Distribution Activity Log by distribution type (i.e., electronic (push/pull) and physical media type (tape, CD-ROM, etc.)).
			S-DSS-30320	A	The DDIST CI shall record in the Distribution Activity Log the occurrence of correctable errors.
DADS1110#B	Each DADS shall maintain a data distribution log.		S-DSS-30165	A	The DDIST CI shall log a Distribution Request Cancellation Message whenever a Distribution Request is cancelled by the operations staff.
			S-DSS-30167	A	The DDIST CI shall log a Distribution Request Cancellation Message whenever a Distribution Request is cancelled by the science user.
			S-DSS-30260	A	The DDIST CI shall log the receipt of a Data Distribution Request in the Distribution Activity Log.

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-30270	A	The DDIST CI shall log the following to the Distribution Activity Log, for each Media Distribution Request: User Identifier, Media Identifiers, Media Type/Form Factor, and the Distribution Size.
			S-DSS-30280	A	The DDIST CI shall log the following to the Distribution Activity Log, for each Electronic Distribution Request: User Identifier, Data Destination, and the Distribution Size.
			S-DSS-30290	A	The DDIST CI shall provide operations staff with the capability to display the Distribution Activity Log.
			S-DSS-30300	A	The DDIST CI shall provide the capability to view entries according to type of distribution, by time period or by Request Identifier (i.e., source of request).
			S-DSS-30305	A	The DDIST CI shall provide the capability to view entries according to type of distribution, by time period or by data type (i.e., source of request).
			S-DSS-30310	A	The DDIST CI shall provide the capability to sort the Distribution Activity Log by distribution type (i.e., electronic (push/pull) and physical media type (tape, CD-ROM, etc.)).
			S-DSS-30320	A	The DDIST CI shall record in the Distribution Activity Log the occurrence of correctable errors.
DADS1114#A	Each DADS shall maintain a log of staging activity.		S-DSS-20780	A	The STMGT CI shall provide operations staff the capability to view/display/print the Intermediate Activity Log.
			S-DSS-20790	A	The STMGT CI shall provide the capability to sort, extract and/or select Intermediate Activity Log entries by the following: start/stop time, intermediate operation, Request Identifier, and staging resource(s).
			S-DSS-20880	A	The STMGT CI shall maintain an Intermediate Activity Log. It shall include date/time stamp, operation id (file space alloc./dealloc., media mount/dismount/loads/unload, file read/write/delete), affiliated Request Identifier and associated staging resources.
DADS1114#B	Each DADS shall maintain a log of staging activity.		S-DSS-20780	A	The STMGT CI shall provide operations staff the capability to view/display/print the Intermediate Activity Log.
			S-DSS-20790	A	The STMGT CI shall provide the capability to sort, extract and/or select Intermediate Activity Log entries by the following: start/stop time, intermediate operation, Request Identifier, and staging resource(s).

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-20880	A	The STMGT CI shall maintain an Intermediate Activity Log. It shall include date/time stamp, operation id (file space alloc./dealloc., media mount/dismount/loads/unload, file read/write/delete), affiliated Request Identifier and associated staging resources.
DADS1160#A	Each DADS shall provide the IMS with metadata reflecting changes as a result of: a. Purges b. Transfers to other site(s) c. Unexpected loss d. Updates	A: Unexpected loss	S-DSS-04600	A	The SDSRV CI shall update the Metadata for a data item whenever an unexpected loss occurs.
			S-DSS-04610	A	The SDSRV CI shall update the Metadata whenever a data item is updated.
			S-DSS-10051	A	The DDSRV CI shall provide the capability to add, delete, or modify individual ECS Metadata entries.
			S-DSS-10052	A	The DDSRV CI shall generate an update to metadata reflecting changes in data holdings resulting from a purge operation.
			S-DSS-10053	A	The DDSRV CI shall generate an update to metadata reflecting changes in data holdings resulting from an unexpected loss.
			S-DSS-10054	A	The DDSRV CI shall generate an update to metadata reflecting changes in data holdings resulting from an intra-site data transfer or some other update.
DADS1160#B	Each DADS shall provide the IMS with metadata reflecting changes as a result of: a. Purges b. Transfers to other site(s) c. Unexpected loss d. Updates	B: Everything else purges, transfers to other site, update	S-DSS-03810	A	The SDSRV CI shall have the ability to cancel the advertising of publicly available services.
			S-DSS-04600	A	The SDSRV CI shall update the Metadata for a data item whenever an unexpected loss occurs.
			S-DSS-04610	A	The SDSRV CI shall update the Metadata whenever a data item is updated.
			S-DSS-10051	A	The DDSRV CI shall provide the capability to add, delete, or modify individual ECS Metadata entries.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-10052	A	The DDSRV CI shall generate an update to metadata reflecting changes in data holdings resulting from a purge operation.
			S-DSS-10053	A	The DDSRV CI shall generate an update to metadata reflecting changes in data holdings resulting from an unexpected loss.
			S-DSS-10054	A	The DDSRV CI shall generate an update to metadata reflecting changes in data holdings resulting from an intra-site data transfer or some other update.
			S-DSS-04620	B	The SDSRV CI shall update the Metadata for a data item that has been purged from the system.
			S-DSS-04630	B	The SDSRV CI shall update the Metadata whenever a data item is relocated to another site.
DADS1180#A	Each DADS shall provide the collocated PGS with data storage and retrieval capabilities.		S-DSS-01770	A	The SDSRV CI shall log all reported warning conditions.
			S-DSS-20025	A	The STMGT CI shall place an entry in the Archive Activity Log corresponding to each Insert Request.
			S-DSS-20040	A	The STMGT CI shall accept Retrieve Requests for data. Each Retrieve Request shall include the granule id(s) for the data. Granule id was assigned when granule was originally archived. The granule id serves as a unique data identifier.
			S-DSS-20045	A	The STMGT CI shall place an entry in the Archive Activity Log corresponding to each Retrieve Request.
			S-DSS-20065	A	The STMGT CI shall place an entry in the Archive Activity Log corresponding to each Archive Status Request.
			S-DSS-20080	A	The STMGT CI shall maintain an Archive Activity Log of all Service Requests received. The log of Service Requests shall be in chronological order and shall include a Request Identifier, the operation requested, completion status of request and a date/time stamp.
			S-DSS-20760	A	The STMGT CI shall provide operations staff the capability to view/display/print the Archive Activity Log.
			S-DSS-20770	A	The STMGT CI shall provide the capability to sort, extract and/or select Archive Activity Log entries by the following: start/stop time, operation requested, result of request.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-20985	A	The STMGT CI shall provide the SDSRV CI the capability to open files on archive storage media in the WKSHW CI.
			S-DSS-20995	A	The STMGT CI shall provide the SDSRV CI the capability to close files on archive storage media in the WKSHW CI.
			S-DSS-21005	A	The STMGT CI shall provide the SDSRV CI the capability to read information from files on archive storage media in the WKSHW CI.
			S-DSS-21015	A	The STMGT CI shall provide the SDSRV CI the capability to write information into files on archive storage media in the WKSHW CI.
			S-DSS-21025	A	The STMGT CI shall provide the SDSRV CI the capability to allocate archive storage devices for Service Request processing in the WKSHW CI.
			S-DSS-21040	A	The STMGT CI shall provide the SDSRV CI the capability to open files on staging devices in the WKSHW CI.
			S-DSS-21050	A	The STMGT CI shall provide the SDSRV CI the capability to close files on staging devices in the WKSHW CI.
			S-DSS-21060	A	The STMGT CI shall provide the SDSRV CI the capability to write information into files on staging devices in the WKSHW CI.
			S-DSS-21070	A	The STMGT CI shall provide the SDSRV CI the capability to read information from files on staging devices in the WKSHW CI.
			S-DSS-21080	A	The STMGT CI shall provide the SDSRV CI the capability to delete files on staging devices in the WKSHW CI.
			S-DSS-21090	A	The STMGT CI shall provide the SDSRV CI the capability to rename files on staging devices in the WKSHW CI.
			S-DSS-21100	A	The STMGT CI shall provide the SDSRV CI the capability to obtain information concerning files on staging devices in the WKSHW CI. Note: File info. includes file name, size, type, organization, creation date, protections, owner, last access time and id of last entity to access file.
			S-DSS-00010	IR1	The SDSRV CI shall accept Data Requests for Data that is managed within the STMGT CI.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-00060	IR1	The SDSRV CI shall acknowledge the receipt of Service Requests from local and remote clients.
			S-DSS-00095	IR1	The SDSRV CI shall return a Reject Notification if a Service Request fails validation.
			S-DSS-01760	IR1	The SDSRV CI shall log all reported error conditions.
DADS1180#B	Each DADS shall provide the collocated PGS with data storage and retrieval capabilities.		S-DSS-01770	A	The SDSRV CI shall log all reported warning conditions.
			S-DSS-20025	A	The STMGT CI shall place an entry in the Archive Activity Log corresponding to each Insert Request.
			S-DSS-20040	A	The STMGT CI shall accept Retrieve Requests for data. Each Retrieve Request shall include the granule id(s) for the data. Granule id was assigned when granule was originally archived. The granule id serves as a unique data identifier.
			S-DSS-20045	A	The STMGT CI shall place an entry in the Archive Activity Log corresponding to each Retrieve Request.
			S-DSS-20065	A	The STMGT CI shall place an entry in the Archive Activity Log corresponding to each Archive Status Request.
			S-DSS-20080	A	The STMGT CI shall maintain an Archive Activity Log of all Service Requests received. The log of Service Requests shall be in chronological order and shall include a Request Identifier, the operation requested, completion status of request and a date/time stamp.
			S-DSS-20760	A	The STMGT CI shall provide operations staff the capability to view/display/print the Archive Activity Log.
			S-DSS-20770	A	The STMGT CI shall provide the capability to sort, extract and/or select Archive Activity Log entries by the following: start/stop time, operation requested, result of request.
			S-DSS-20985	A	The STMGT CI shall provide the SDSRV CI the capability to open files on archive storage media in the WKSHW CI.
			S-DSS-20995	A	The STMGT CI shall provide the SDSRV CI the capability to close files on archive storage media in the WKSHW CI.
			S-DSS-21005	A	The STMGT CI shall provide the SDSRV CI the capability to read information from files on archive storage media in the WKSHW CI.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-21015	A	The STMGT CI shall provide the SDSRV CI the capability to write information into files on archive storage media in the WKSHW CI.
			S-DSS-21025	A	The STMGT CI shall provide the SDSRV CI the capability to allocate archive storage devices for Service Request processing in the WKSHW CI.
			S-DSS-21040	A	The STMGT CI shall provide the SDSRV CI the capability to open files on staging devices in the WKSHW CI.
			S-DSS-21050	A	The STMGT CI shall provide the SDSRV CI the capability to close files on staging devices in the WKSHW CI.
			S-DSS-21060	A	The STMGT CI shall provide the SDSRV CI the capability to write information into files on staging devices in the WKSHW CI.
			S-DSS-21070	A	The STMGT CI shall provide the SDSRV CI the capability to read information from files on staging devices in the WKSHW CI.
			S-DSS-21080	A	The STMGT CI shall provide the SDSRV CI the capability to delete files on staging devices in the WKSHW CI.
			S-DSS-21090	A	The STMGT CI shall provide the SDSRV CI the capability to rename files on staging devices in the WKSHW CI.
			S-DSS-21100	A	The STMGT CI shall provide the SDSRV CI the capability to obtain information concerning files on staging devices in the WKSHW CI. Note: File info. includes file name, size, type, organization, creation date, protections, owner, last access time and id of last entity to access file.
			S-DSS-00010	IR1	The SDSRV CI shall accept Data Requests for Data that is managed within the STMGT CI.
			S-DSS-00060	IR1	The SDSRV CI shall acknowledge the receipt of Service Requests from local and remote clients.
			S-DSS-00095	IR1	The SDSRV CI shall return a Reject Notification if a Service Request fails validation.
			S-DSS-01760	IR1	The SDSRV CI shall log all reported error conditions.
DADS1210#A	Each DADS shall prepare, for output to the collocated PGS, data availability notices.		S-DSS-01510	A	The SDSRV CI shall provide the capability to notify users when data has been archived and is available for access.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS1210#B	Each DADS shall prepare, for output to the collocated PGS, data availability notices.		S-DSS-01510	A	The SDSRV CI shall provide the capability to notify users when data has been archived and is available for access.
DADS1230#A	Each DADS shall be capable of providing temporary storage for a collocated PGS.		S-DSS-20985	A	The STMGT CI shall provide the SDSRV CI the capability to open files on archive storage media in the WKSHW CI.
			S-DSS-20995	A	The STMGT CI shall provide the SDSRV CI the capability to close files on archive storage media in the WKSHW CI.
			S-DSS-21005	A	The STMGT CI shall provide the SDSRV CI the capability to read information from files on archive storage media in the WKSHW CI.
			S-DSS-21015	A	The STMGT CI shall provide the SDSRV CI the capability to write information into files on archive storage media in the WKSHW CI.
			S-DSS-21025	A	The STMGT CI shall provide the SDSRV CI the capability to allocate archive storage devices for Service Request processing in the WKSHW CI.
			S-DSS-21040	A	The STMGT CI shall provide the SDSRV CI the capability to open files on staging devices in the WKSHW CI.
			S-DSS-21050	A	The STMGT CI shall provide the SDSRV CI the capability to close files on staging devices in the WKSHW CI.
			S-DSS-21060	A	The STMGT CI shall provide the SDSRV CI the capability to write information into files on staging devices in the WKSHW CI.
			S-DSS-21070	A	The STMGT CI shall provide the SDSRV CI the capability to read information from files on staging devices in the WKSHW CI.
			S-DSS-21080	A	The STMGT CI shall provide the SDSRV CI the capability to delete files on staging devices in the WKSHW CI.
			S-DSS-21090	A	The STMGT CI shall provide the SDSRV CI the capability to rename files on staging devices in the WKSHW CI.
			S-DSS-21100	A	The STMGT CI shall provide the SDSRV CI the capability to obtain information concerning files on staging devices in the WKSHW CI. Note: File info. includes file name, size, type, organization, creation date, protections, owner, last access time and id of last entity to access file.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-21110	A	The STMGT CI shall provide the SDSRV CI the capability to allocate storage on staging devices in the WKSHW CI.
			S-DSS-21120	A	The STMGT CI shall provide the SDSRV CI the capability to deallocate storage on staging devices in the WKSHW CI.
DADS1230#B	Each DADS shall be capable of providing temporary storage for a collocated PGS.		S-DSS-20985	A	The STMGT CI shall provide the SDSRV CI the capability to open files on archive storage media in the WKSHW CI.
			S-DSS-20995	A	The STMGT CI shall provide the SDSRV CI the capability to close files on archive storage media in the WKSHW CI.
			S-DSS-21005	A	The STMGT CI shall provide the SDSRV CI the capability to read information from files on archive storage media in the WKSHW CI.
			S-DSS-21015	A	The STMGT CI shall provide the SDSRV CI the capability to write information into files on archive storage media in the WKSHW CI.
			S-DSS-21025	A	The STMGT CI shall provide the SDSRV CI the capability to allocate archive storage devices for Service Request processing in the WKSHW CI.
			S-DSS-21040	A	The STMGT CI shall provide the SDSRV CI the capability to open files on staging devices in the WKSHW CI.
			S-DSS-21050	A	The STMGT CI shall provide the SDSRV CI the capability to close files on staging devices in the WKSHW CI.
			S-DSS-21060	A	The STMGT CI shall provide the SDSRV CI the capability to write information into files on staging devices in the WKSHW CI.
			S-DSS-21070	A	The STMGT CI shall provide the SDSRV CI the capability to read information from files on staging devices in the WKSHW CI.
			S-DSS-21080	A	The STMGT CI shall provide the SDSRV CI the capability to delete files on staging devices in the WKSHW CI.
			S-DSS-21090	A	The STMGT CI shall provide the SDSRV CI the capability to rename files on staging devices in the WKSHW CI.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-21100	A	The STMGT CI shall provide the SDSRV CI the capability to obtain information concerning files on staging devices in the WKSHW CI. Note: File info. includes file name, size, type, organization, creation date, protections, owner, last access time and id of last entity to access file.
			S-DSS-21110	A	The STMGT CI shall provide the SDSRV CI the capability to allocate storage on staging devices in the WKSHW CI.
			S-DSS-21120	A	The STMGT CI shall provide the SDSRV CI the capability to deallocate storage on staging devices in the WKSHW CI.
DADS1235#A	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 on data are available will not be available until Release B.	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-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-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 of the current version of 304-CD-005.
			S-DSS-00095	IR1	The SDSRV CI shall return a Reject Notification if a Service Request fails validation.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-03369	A	The SDSRV CI shall be capable of receiving expedited data from instruments.
DADS1235#B	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 on data are available will not be available until Release B.	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-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-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-20720	B	The STMGT CI shall provide a mechanism to mark data for deletion. The mechanism shall be based on selection of max time to store data before it's deleted from storage. It shall also mark earlier versions when multiple versions have been archived.
			S-DSS-20730	B	The STMGT CI shall provide a mechanism to automatically delete archived data which has been marked for deletion.
			S-DSS-21365	A	The STMGT CI shall provide storage for the Data Products listed in Appendix F of the current version of 304-CD-005.
			S-DSS-00095	IR1	The SDSRV CI shall return a Reject Notification if a Service Request fails validation.
			S-DSS-03369	A	The SDSRV CI shall be capable of receiving expedited data from instruments.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS1300#A	Each DADS shall display all faults to the system operators.	Full compatibility	S-DSS-00620	A	The SDSRV CI shall provide the capability to categorize messages to operations staff into informational, warnings or error categories.
			S-DSS-00630	A	The SDSRV CI shall notify operations staff of any system error or fault.
			S-DSS-01770	A	The SDSRV CI shall log all reported warning conditions.
			S-DSS-10184	A	The DDSRV CI shall notify operations staff of any system error or fault.
			S-DSS-21330	A	The STMGT CI shall notify operations staff whenever a device failure condition occurs. Such failures shall also be logged in the Archive Activity Log.
			S-INS-00340	A	The INGST CI shall report status on processing of an Ingest Request to the Error Log for the following: a. File transfer failure b. File size discrepancy c. Invalid Data Type Identifier d. Missing required metadata e. Metadata parameters out of range f. Metadata extraction failure g. Data conversion failure h. Data reformatting failure i. Failure to archive data j. Inability to transfer data within the specified time window k. Missing required request information l. Unauthorized Ingest Request submitter m. Successful archive of the data
			S-DSS-01760	IR1	The SDSRV CI shall log all reported error conditions.
DADS1300#B	Each DADS shall display all faults to the system operators.	Full compatibility	S-DSS-00620	A	The SDSRV CI shall provide the capability to categorize messages to operations staff into informational, warnings or error categories.
			S-DSS-00630	A	The SDSRV CI shall notify operations staff of any system error or fault.
			S-DSS-01770	A	The SDSRV CI shall log all reported warning conditions.
			S-DSS-10184	A	The DDSRV CI shall notify operations staff of any system error or fault.
			S-DSS-21330	A	The STMGT CI shall notify operations staff whenever a device failure condition occurs. Such failures shall also be logged in the Archive Activity Log.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00340	A	The INGST CI shall report status on processing of an Ingest Request to the Error Log for the following: a. File transfer failure b. File size discrepancy c. Invalid Data Type Identifier d. Missing required metadata e. Metadata parameters out of range f. Metadata extraction failure g. Data conversion failure h. Data reformatting failure i. Failure to archive data j. Inability to transfer data within the specified time window k. Missing required request information l. Unauthorized Ingest Request submitter m. Successful archive of the data
			S-DSS-01760	IR1	The SDSRV CI shall log all reported error conditions.
DADS1310#A	Each DADS shall track and report to the SMC problems such as missing or corrupted files requiring restoration or regeneration of data.	A|B: Track and Report problems			
DADS1310#B	Each DADS shall track and report to the SMC problems such as missing or corrupted files requiring restoration or regeneration of data.	B: Track and Report problems	S-DSS-00640	A	The SDSRV CI shall report to operations staff all errors involving file accesses.
			S-DSS-10186	A	The DDSRV CI shall report to operations staff all errors involving file accesses.
			S-DSS-21330	A	The STMGT CI shall notify operations staff whenever a device failure condition occurs. Such failures shall also be logged in the Archive Activity Log.
DADS1320#A	Each DADS shall provide to the SMC fault isolation information at the DADS system and subsystem levels.		S-DSS-20250	A	If an uncorrectable error occurs during retrieval operations, STMGT CI shall terminate the operation and notify operations staff and the user/data requester of the failure.
			S-DSS-21380	A	In the event of storage device or archive media failure, the STMGT CI shall notify operations staff and provide appropriate information to include failed device name or media, failure code or reason and time/date of failure.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00340	A	The INGST CI shall report status on processing of an Ingest Request to the Error Log for the following: a. File transfer failure b. File size discrepancy c. Invalid Data Type Identifier d. Missing required metadata e. Metadata parameters out of range f. Metadata extraction failure g. Data conversion failure h. Data reformatting failure i. Failure to archive data j. Inability to transfer data within the specified time window k. Missing required request information l. Unauthorized Ingest Request submitter m. Successful archive of the data
DADS1320#B	Each DADS shall provide to the SMC fault isolation information at the DADS system and subsystem levels.		S-DSS-20250	A	If an uncorrectable error occurs during retrieval operations, STMGT CI shall terminate the operation and notify operations staff and the user/data requester of the failure.
			S-DSS-21380	A	In the event of storage device or archive media failure, the STMGT CI shall notify operations staff and provide appropriate information to include failed device name or media, failure code or reason and time/date of failure.
			S-INS-00340	A	The INGST CI shall report status on processing of an Ingest Request to the Error Log for the following: a. File transfer failure b. File size discrepancy c. Invalid Data Type Identifier d. Missing required metadata e. Metadata parameters out of range f. Metadata extraction failure g. Data conversion failure h. Data reformatting failure i. Failure to archive data j. Inability to transfer data within the specified time window k. Missing required request information l. Unauthorized Ingest Request submitter m. Successful archive of the data
			S-DSS-00830	B	The SDSRV CI shall collect Fault Management Data, such as, device failures, Service Request failures, transmission failures and general failures. This information shall be sent to the SMC for fault isolation.

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-10233	B	The DDSRV CI shall collect Fault Management Data, such as, device failures, Service Request failures, transmission failures and general failures. This information shall be sent to the SDSRV CI for forwarding to the SMC for fault isolation.
DADS1330#A	Each DADS shall provide information to support fault isolation between the DADS and other ECS-unique elements and external interfaces to the LSM.		S-INS-00340	A	The INGST CI shall report status on processing of an Ingest Request to the Error Log for the following: a. File transfer failure b. File size discrepancy c. Invalid Data Type Identifier d. Missing required metadata e. Metadata parameters out of range f. Metadata extraction failure g. Data conversion failure h. Data reformatting failure i. Failure to archive data j. Inability to transfer data within the specified time window k. Missing required request information l. Unauthorized Ingest Request submitter m. Successful archive of the data
DADS1330#B	Each DADS shall provide information to support fault isolation between the DADS and other ECS-unique elements and external interfaces to the LSM.		S-INS-00340	A	The INGST CI shall report status on processing of an Ingest Request to the Error Log for the following: a. File transfer failure b. File size discrepancy c. Invalid Data Type Identifier d. Missing required metadata e. Metadata parameters out of range f. Metadata extraction failure g. Data conversion failure h. Data reformatting failure i. Failure to archive data j. Inability to transfer data within the specified time window k. Missing required request information l. Unauthorized Ingest Request submitter m. Successful archive of the data
			S-DSS-00830	B	The SDSRV CI shall collect Fault Management Data, such as, device failures, Service Request failures, transmission failures and general failures. This information shall be sent to the SMC for fault isolation.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-10233	B	The DDSRV CI shall collect Fault Management Data, such as, device failures, Service Request failures, transmission failures and general failures. This information shall be sent to the SDSRV CI for forwarding to the SMC for fault isolation.
DADS1340#A	Each DADS shall use tools to analyze system performance.		S-DSS-01770	A	The SDSRV CI shall log all reported warning conditions.
			S-DSS-30165	A	The DDIST CI shall log a Distribution Request Cancellation Message whenever a Distribution Request is cancelled by the operations staff.
			S-DSS-01760	IR1	The SDSRV CI shall log all reported error conditions.
DADS1340#B	Each DADS shall use tools to analyze system performance.		S-DSS-01770	A	The SDSRV CI shall log all reported warning conditions.
			S-DSS-30165	A	The DDIST CI shall log a Distribution Request Cancellation Message whenever a Distribution Request is cancelled by the operations staff.
			S-DSS-00770	B	The SDSRV CI shall utilize vendor supplied tools to analyze system CPU performance.
			S-DSS-00790	B	The SDSRV CI shall utilize vendor supplied tools to analyze system storage performance.
			S-DSS-00810	B	The SDSRV CI shall utilize vendor supplied tools to analyze system throughput performance.
			S-DSS-10231	B	The DDSRV CI shall utilize vendor supplied tools to analyze system CPU performance.
			S-DSS-10232	B	The DDSRV CI shall utilize vendor supplied tools to analyze system throughput performance.
			S-DSS-20860	B	The STMGT CI shall provide a mechanism to monitor the performance of the ECS archival storage system.
			S-DSS-20870	B	The STMGT CI shall provide operations staff the capability to view/display performance information on the storage system.
			S-DSS-01760	IR1	The SDSRV CI shall log all reported error conditions.
DADS1360#A	Each DADS shall monitor the status of all storage systems used.		S-DSS-21200	A	The STMGT CI shall provide operations staff a mechanism to display/view storage system data storing operations by ECS element.
			S-DSS-21210	A	The STMGT CI shall provide operations staff a mechanism to display/view storage system data retrieval operations by ECS element.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-21220	A	The STMGT CI shall provide operations staff a mechanism to display/view storage system archive media backup/restore operations by ECS element.
			S-DSS-21230	A	The STMGT CI shall provide operations staff a mechanism to display/view storage system storage allocations by ECS element.
DADS1360#B	Each DADS shall monitor the status, cost, and performance of all storage systems used.		S-DSS-21200	A	The STMGT CI shall provide operations staff a mechanism to display/view storage system data storing operations by ECS element.
			S-DSS-21210	A	The STMGT CI shall provide operations staff a mechanism to display/view storage system data retrieval operations by ECS element.
			S-DSS-21220	A	The STMGT CI shall provide operations staff a mechanism to display/view storage system archive media backup/restore operations by ECS element.
			S-DSS-21230	A	The STMGT CI shall provide operations staff a mechanism to display/view storage system storage allocations by ECS element.
			S-DSS-00440	B	The SDSRV CI shall be capable of providing estimated Service Request Cost.
			S-DSS-21240	B	The STMGT CI shall provide operations staff a mechanism to display/view storage system utilization by ECS element.
			S-DSS-21250	B	The STMGT CI shall provide operations staff a mechanism to display/view storage system performance by ECS element.
			S-DSS-21260	B	The STMGT CI shall provide operations staff a mechanism to display/view storage system cost by ECS element.
DADS1370#A	Each DADS shall provide a mechanism for statistically monitoring both the raw and corrected bit error rate (BER) of storage media in the archive.	A: Statistical counts	S-DSS-20622	A	The STMGT CI shall provide to the SDSRV CI's MD Component a copy of the checksum value calculated upon initial receipt of each file in each data granule stored in the archive.
			S-DSS-03746	A	The SDSRV CI's MD Component shall provide storage for checksum metadata value associated with each file of each data granule stored in the STMGT CI.
			S-DSS-20621	A	The STMGT CI shall calculate a checksum for each file associated with each data granule stored in the archive.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-20623	A	The STMGT CI shall recalculate the checksum value of each file associated with each retrieved data granule and compare it with the checksum metadata value for that file stored in the SDSRV CI's MD Component for accuracy.
DADS1370#B	Each DADS shall provide a mechanism for statistically monitoring both the raw and corrected bit error rate (BER) of storage media in the archive.	B: full compatibility	S-DSS-20624	B	The STMGT CI shall provide a mechanism to statistically monitor the checksum error rate of archive media.
			S-DSS-20622	A	The STMGT CI shall provide to the SDSRV CI's MD Component a copy of the checksum value calculated upon initial receipt of each file in each data granule stored in the archive.
			S-DSS-03746	A	The SDSRV CI's MD Component shall provide storage for checksum metadata value associated with each file of each data granule stored in the STMGT CI.
			S-DSS-20621	A	The STMGT CI shall calculate a checksum for each file associated with each data granule stored in the archive.
			S-DSS-20623	A	The STMGT CI shall recalculate the checksum value of each file associated with each retrieved data granule and compare it with the checksum metadata value for that file stored in the SDSRV CI's MD Component for accuracy.
DADS1375#A	Each DADS shall provide automatic management and copying/refresh of archive media.	A: Copying of archive media after media failures			
DADS1375#B	Each DADS shall provide automatic management and copying/refresh of archive media.	B: Copying of archive media after media failures	S-DSS-20220	A	If an uncorrectable error occurs during archive, the STMGT CI shall notify the operations staff, select a different piece of Media and complete the archive operation. Note: Contents of original media shall be recreated on new media and the original removed from system.
			S-DSS-20230	A	The STMGT CI shall notify operations staff to discard source archive media after its contents have been re-created on the new media.
			S-DSS-20240	A	If the end of the archive media is encountered before completing a write operation, the STMGT CI shall select new media and complete the write operation with the new archive media.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-20250	A	If an uncorrectable error occurs during retrieval operations, STMGT CI shall terminate the operation and notify operations staff and the user/data requester of the failure.
			S-DSS-20255	A	If an uncorrectable error occurs during retrieval operations, STMGT CI shall automatically recreate the contents on new media.
			S-DSS-20710	A	The STMGT CI shall assign a unique identifier to new archive media.
			S-DSS-20625	B	The STMGT CI shall allow the operator to manually specify archive media to be recopied/refreshed.
DADS1380#A	Each DADS shall monitor data transfer between external (non-ECS) elements and the DADS.	A: TRMM, AM-1, NOAA (ancillary), FDF, Landsat-7	S-INS-00235	A	The INGST CI shall accept ingest Status Requests from science users to determine the status of: a. A specified ongoing Ingest Request, previously submitted by the science user who is requesting status and identified by the ingest Request Identifier b. All of the user's ongoing Ingest Requests
			S-INS-00240	A	The INGST CI shall determine the User Identifier for a science user submitting an ingest Status Request.
			S-INS-00250	A	The INGST CI shall return status on a science user's ongoing Network Ingest Requests, based on User Identifier, to the user.
			S-INS-00260	A	The INGST CI shall provide science users the capability to display the status of the user's ongoing request processing. Displayed status shall include the External Data Provider, ingest Request Identifier, total ingest data volume, and Request State.
			S-INS-00270	A	The INGST CI shall accept ingest Status Requests from authorized operations staff to determine the status of: a. A specified ongoing Ingest Request identified by ingest Request Identifier b. All ongoing Ingest Requests associated with a specified User Identifier c. All ongoing Ingest Requests
			S-INS-00280	A	The INGST CI shall determine the User Identifier for an operations staff member submitting an ingest Status Request.
			S-INS-00290	A	The INGST CI shall authenticate the User Identifier of operations staff requesting status on all ongoing Ingest Requests.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00295	A	The INGST CI shall return an error status to the requester and log information in the Error Log if status is requested on ongoing Ingest Requests from an unauthorized requester.
			S-INS-00300	A	The INGST CI shall return status on ongoing Ingest Requests to an authorized operations staff member.
			S-INS-00310	A	The INGST CI shall provide authorized operations staff the capability to view the status of ongoing ingest processing. Displayed status shall include the External Data Provider, ingest Request Identifier, total ingest data volume, and Request State.
			S-INS-00315	A	The INGST CI shall provide the capability for authorized operations staff to select status of ongoing Ingest Request processing for viewing by means of the External Data Provider.
			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
			S-INS-00345	A	The INGST CI shall report status on the performance of ingest requests to the MSS with the following information: a. file transfer duration b. file processing duration c. data insert duration
DADS1380#B	Each DADS shall monitor data transfer between external (non-ECS) elements and the DADS.	B: TRMM, AM-1, NOAA(ancillary), FDF, Landsat-7, DAAC unique capability	S-INS-00235	A	The INGST CI shall accept ingest Status Requests from science users to determine the status of: a. A specified ongoing Ingest Request, previously submitted by the science user who is requesting status and identified by the ingest Request Identifier b. All of the user's ongoing Ingest Requests
			S-INS-00240	A	The INGST CI shall determine the User Identifier for a science user submitting an ingest Status Request.

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00250	A	The INGST CI shall return status on a science user's ongoing Network Ingest Requests, based on User Identifier, to the user.
			S-INS-00260	A	The INGST CI shall provide science users the capability to display the status of the user's ongoing request processing. Displayed status shall include the External Data Provider, ingest Request Identifier, total ingest data volume, and Request State.
			S-INS-00270	A	The INGST CI shall accept ingest Status Requests from authorized operations staff to determine the status of: a. A specified ongoing Ingest Request identified by ingest Request Identifier b. All ongoing Ingest Requests associated with a specified User Identifier c. All ongoing Ingest Requests
			S-INS-00280	A	The INGST CI shall determine the User Identifier for an operations staff member submitting an ingest Status Request.
			S-INS-00290	A	The INGST CI shall authenticate the User Identifier of operations staff requesting status on all ongoing Ingest Requests.
			S-INS-00295	A	The INGST CI shall return an error status to the requester and log information in the Error Log if status is requested on ongoing Ingest Requests from an unauthorized requester.
			S-INS-00300	A	The INGST CI shall return status on ongoing Ingest Requests to an authorized operations staff member.
			S-INS-00310	A	The INGST CI shall provide authorized operations staff the capability to view the status of ongoing ingest processing. Displayed status shall include the External Data Provider, ingest Request Identifier, total ingest data volume, and Request State.
			S-INS-00315	A	The INGST CI shall provide the capability for authorized operations staff to select status of ongoing Ingest Request processing for viewing by means of the External Data Provider.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			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
			S-INS-00345	A	The INGST CI shall report status on the performance of ingest requests to the MSS with the following information: a. file transfer duration b. file processing duration c. data insert duration
DADS1380#Ir1	Each DADS shall monitor data transfer between external (non-ECS) elements and the DADS.	Ir1: This requirement is supported as follows: IR1 shall report errors and status to external elements in support of the testing of the data transfer interfaces with those elements.	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
DADS1390#A	Each DADS shall monitor data transfer between elements of the ECS and the DADS.		S-INS-00235	A	The INGST CI shall accept ingest Status Requests from science users to determine the status of: a. A specified ongoing Ingest Request, previously submitted by the science user who is requesting status and identified by the ingest Request Identifier b. All of the user's ongoing Ingest Requests
			S-INS-00240	A	The INGST CI shall determine the User Identifier for a science user submitting an ingest Status Request.
			S-INS-00250	A	The INGST CI shall return status on a science user's ongoing Network Ingest Requests, based on User Identifier, to the user.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00260	A	The INGST CI shall provide science users the capability to display the status of the user's ongoing request processing. Displayed status shall include the External Data Provider, ingest Request Identifier, total ingest data volume, and Request State.
			S-INS-00270	A	The INGST CI shall accept ingest Status Requests from authorized operations staff to determine the status of: a. A specified ongoing Ingest Request identified by ingest Request Identifier b. All ongoing Ingest Requests associated with a specified User Identifier c. All ongoing Ingest Requests
			S-INS-00280	A	The INGST CI shall determine the User Identifier for an operations staff member submitting an ingest Status Request.
			S-INS-00290	A	The INGST CI shall authenticate the User Identifier of operations staff requesting status on all ongoing Ingest Requests.
			S-INS-00295	A	The INGST CI shall return an error status to the requester and log information in the Error Log if status is requested on ongoing Ingest Requests from an unauthorized requester.
			S-INS-00300	A	The INGST CI shall return status on ongoing Ingest Requests to an authorized operations staff member.
			S-INS-00310	A	The INGST CI shall provide authorized operations staff the capability to view the status of ongoing ingest processing. Displayed status shall include the External Data Provider, ingest Request Identifier, total ingest data volume, and Request State.
			S-INS-00315	A	The INGST CI shall provide the capability for authorized operations staff to select status of ongoing Ingest Request processing for viewing by means of the External Data Provider.
			S-INS-00345	A	The INGST CI shall report status on the performance of ingest requests to the MSS with the following information: a. file transfer duration b. file processing duration c. data insert duration

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS1390#B	Each DADS shall monitor data transfer between elements of the ECS and the DADS.		S-INS-00235	A	The INGST CI shall accept ingest Status Requests from science users to determine the status of: a. A specified ongoing Ingest Request, previously submitted by the science user who is requesting status and identified by the ingest Request Identifier b. All of the user's ongoing Ingest Requests
			S-INS-00240	A	The INGST CI shall determine the User Identifier for a science user submitting an ingest Status Request.
			S-INS-00250	A	The INGST CI shall return status on a science user's ongoing Network Ingest Requests, based on User Identifier, to the user.
			S-INS-00260	A	The INGST CI shall provide science users the capability to display the status of the user's ongoing request processing. Displayed status shall include the External Data Provider, ingest Request Identifier, total ingest data volume, and Request State.
			S-INS-00270	A	The INGST CI shall accept ingest Status Requests from authorized operations staff to determine the status of: a. A specified ongoing Ingest Request identified by ingest Request Identifier b. All ongoing Ingest Requests associated with a specified User Identifier c. All ongoing Ingest Requests
			S-INS-00280	A	The INGST CI shall determine the User Identifier for an operations staff member submitting an ingest Status Request.
			S-INS-00290	A	The INGST CI shall authenticate the User Identifier of operations staff requesting status on all ongoing Ingest Requests.
			S-INS-00295	A	The INGST CI shall return an error status to the requester and log information in the Error Log if status is requested on ongoing Ingest Requests from an unauthorized requester.
			S-INS-00300	A	The INGST CI shall return status on ongoing Ingest Requests to an authorized operations staff member.
			S-INS-00310	A	The INGST CI shall provide authorized operations staff the capability to view the status of ongoing ingest processing. Displayed status shall include the External Data Provider, ingest Request Identifier, total ingest data volume, and Request State.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00315	A	The INGST CI shall provide the capability for authorized operations staff to select status of ongoing Ingest Request processing for viewing by means of the External Data Provider.
			S-INS-00345	A	The INGST CI shall report status on the performance of ingest requests to the MSS with the following information: a. file transfer duration b. file processing duration c. data insert duration
DADS1400#A	Each DADS shall notify the originating source of the need to retransmit data in the event of transmission difficulties.	A: Full capability (note: all retransmissions for TRMM are instigated by ECS)	S-INS-00220	A	The INGST CI shall report status to the interactive submitter of a Network Ingest Request for the following: a. File transfer failure b. File size discrepancy 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. Unauthorized science user j. Missing required request information k. Successful archive of the data
			S-INS-00340	A	The INGST CI shall report status on processing of an Ingest Request to the Error Log for the following: a. File transfer failure b. File size discrepancy c. Invalid Data Type Identifier d. Missing required metadata e. Metadata parameters out of range f. Metadata extraction failure g. Data conversion failure h. Data reformatting failure i. Failure to archive data j. Inability to transfer data within the specified time window k. Missing required request information l. Unauthorized Ingest Request submitter m. Successful archive of the data

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00380	A	The INGST CI shall provide authorized operations staff the capability to set thresholds for: a. Total number of Ingest Requests to process concurrently b. Number of Ingest Requests for each External Data Provider to process concurrently c. Total volume of data to ingest concurrently d Volume of data for each External Data Provider to ingest concurrently e. Number of data transfer retry attempts for each external interface to ECS
			S-INS-00390	A	The INGST CI shall authenticate the User Identifier of operations staff requesting to set thresholds for concurrent ingest processing.
			S-INS-00450	A	The INGST CI shall retry transfer of data from the External Data Provider N times before the ingest request is failed, where N is a number specified by operations staff.
			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
DADS1400#B	Each DADS shall notify the originating source of the need to retransmit data in the event of transmission difficulties.		S-INS-00220	A	The INGST CI shall report status to the interactive submitter of a Network Ingest Request for the following: a. File transfer failure b. File size discrepancy 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. Unauthorized science user j. Missing required request information k. Successful archive of the data

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00340	A	The INGST CI shall report status on processing of an Ingest Request to the Error Log for the following: a. File transfer failure b. File size discrepancy c. Invalid Data Type Identifier d. Missing required metadata e. Metadata parameters out of range f. Metadata extraction failure g. Data conversion failure h. Data reformatting failure i. Failure to archive data j. Inability to transfer data within the specified time window k. Missing required request information l. Unauthorized Ingest Request submitter m. Successful archive of the data
			S-INS-00380	A	The INGST CI shall provide authorized operations staff the capability to set thresholds for: a. Total number of Ingest Requests to process concurrently b. Number of Ingest Requests for each External Data Provider to process concurrently c. Total volume of data to ingest concurrently d Volume of data for each External Data Provider to ingest concurrently e. Number of data transfer retry attempts for each external interface to ECS
			S-INS-00390	A	The INGST CI shall authenticate the User Identifier of operations staff requesting to set thresholds for concurrent ingest processing.
			S-INS-00450	A	The INGST CI shall retry transfer of data from the External Data Provider N times before the ingest request is failed, where N is a number specified by operations staff.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			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
DADS1400#Ir1	Each DADS shall notify the originating source of the need to retransmit data in the event of transmission difficulties.	Applies only to ingest of TRMM data only.	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
DADS1450#B	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.	Data from AM-1 spacecraft B: ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS	S-DSS-20210	B	For any EOS Level 0 or L1A (if L0 is not available) data item that can not be located or is inaccessible and can not be re-created, the STMGT CI shall notify the operator which data item is missing and the operator shall request the data item be re-ingested from EDOS.
			S-DSS-20171	B	The STGMT CI shall provide operations personnel with the capability to screen the archive holdings for lost volumes.
DADS1470#A	Each DADS shall manage element resource utilization.	A: Report status and make status available for display	S-DSS-01190	A	The SDSRV CI shall provide the capability for operations staff to view the resources used and allocated by a client.
			S-DSS-21200	A	The STMGT CI shall provide operations staff a mechanism to display/view storage system data storing operations by ECS element.
			S-DSS-21210	A	The STMGT CI shall provide operations staff a mechanism to display/view storage system data retrieval operations by ECS element.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-21220	A	The STMGT CI shall provide operations staff a mechanism to display/view storage system archive media backup/restore operations by ECS element.
			S-DSS-21230	A	The STMGT CI shall provide operations staff a mechanism to display/view storage system storage allocations by ECS element.
DADS1470#B	Each DADS shall manage element resource utilization.	B: Full capability	S-DSS-01190	A	The SDSRV CI shall provide the capability for operations staff to view the resources used and allocated by a client.
			S-DSS-21200	A	The STMGT CI shall provide operations staff a mechanism to display/view storage system data storing operations by ECS element.
			S-DSS-21210	A	The STMGT CI shall provide operations staff a mechanism to display/view storage system data retrieval operations by ECS element.
			S-DSS-21220	A	The STMGT CI shall provide operations staff a mechanism to display/view storage system archive media backup/restore operations by ECS element.
			S-DSS-21230	A	The STMGT CI shall provide operations staff a mechanism to display/view storage system storage allocations by ECS element.
			S-DSS-21240	B	The STMGT CI shall provide operations staff a mechanism to display/view storage system utilization by ECS element.
			S-DSS-21250	B	The STMGT CI shall provide operations staff a mechanism to display/view storage system performance by ECS element.
			S-DSS-21260	B	The STMGT CI shall provide operations staff a mechanism to display/view storage system cost by ECS element.
DADS1472#A	Each DADS shall contain the appropriate capacity to respond to contingencies, scheduling problems, and peak loads.	A: TRMM only	S-INS-01000	A	The ICLHW CI at the LaRC DAAC shall be capable of ingesting data from the SDPF at a maximum daily rate that is three times the nominal rate specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A.
			S-INS-01060	A	The ICLHW CI at the MSFC DAAC shall be capable of ingesting data from the SDPF at a maximum daily rate that is three times the nominal rate specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS1472#B	Each DADS shall contain the appropriate capacity to respond to contingencies, scheduling problems, and peak loads.	B: TRMM, AM-1, operations staff adjustment of capability	S-DSS-20550	B	The STMGT CI shall provide operations staff a mechanism to display/view storage system operating parameters which affect storage system performance.
			S-DSS-20560	B	The STMGT CI shall provide operations staff a mechanism to display/view storage system operating parameters which affect storage system scheduling.
			S-DSS-20570	B	The STMGT CI shall provide operations staff the capability to change storage system operating parameters which affect storage system performance.
			S-DSS-20580	B	The STMGT CI shall provide operations staff the capability to change storage system operating parameters which affect storage system scheduling.
			S-DSS-21520	A	The Science Management within the Data Server shall be capable of processing a combined maximum number of Data Requests per hour (across ECS) from the Data Management Subsystem and/or the Client Subsystem as derived from Section E.6 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
DADS1475#B	Each DADS shall provide tools to the users to perform: a. Format conversion of EOS data b. Subsetting c. Compression (lossy, lossless) d. Data transformation e. Subsampling	B: Format conversion, subsampling, subsetting, and transformation	S-DSS-20360	A	The STMGT CI shall use a fully described physical file organization to store data.
			S-DSS-02901	B	The SDSRV CI shall provide the capability to subset, subsample, or average data within a granule based on Geographic location for products specified in Appendix F - Data Type Matrix, of the current version of 304-CD-005.
			S-DSS-02902	B	The SDSRV CI shall provide the capability to subset, subsample, or average data within a granule based on Spectral band for products specified in Appendix F - Data Type Matrix, of the current version of 304-CD-005.
			S-DSS-02903	B	The SDSRV CI shall provide the capability to subset, subsample, or average data within a granule based on Time for products specified in Appendix F - Data Type Matrix, of the current version of 304-CD-005.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-02904	B	The SDSRV CI shall provide the capability to subset, subsample, or average data within a granule based on WRS for products specified in Appendix F - Data Type Matrix, of the current version of 304-CD-005.
DADS1510#A	Each DADS shall ensure that IMS acknowledges receipt of metadata on all products stored in the DADS.		S-DSS-00520	A	The SDSRV CI shall return a successful completion status to the provider of data only after all data and associated Metadata has been successfully stored.
			S-DSS-00660	A	The SDSRV CI shall acknowledge all messages from internal components of ECS
			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-00220	A	The INGST CI shall report status to the interactive submitter of a Network Ingest Request for the following: a. File transfer failure b. File size discrepancy 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. Unauthorized science user j. Missing required request information k. Successful archive of the data

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00230	A	The INGST CI shall report status to the interactive submitter of a Document Ingest Request for the following: a. File transfer failure b. File size discrepancy 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. Unauthorized science user j. Missing required request information k. Successful archive of the data
			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
DADS1510#B	Each DADS shall ensure that IMS acknowledges receipt of metadata on all products stored in the DADS.		S-DSS-00520	A	The SDSRV CI shall return a successful completion status to the provider of data only after all data and associated Metadata has been successfully stored.
			S-DSS-00650	A	The SDSRV CI shall expect an acknowledgment for all messages sent to internal components of ECS
			S-DSS-00660	A	The SDSRV CI shall acknowledge all messages from internal components of ECS

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			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-00220	A	The INGST CI shall report status to the interactive submitter of a Network Ingest Request for the following: a. File transfer failure b. File size discrepancy 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. Unauthorized science user j. Missing required request information k. Successful archive of the data
			S-INS-00230	A	The INGST CI shall report status to the interactive submitter of a Document Ingest Request for the following: a. File transfer failure b. File size discrepancy 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. Unauthorized science user j. Missing required request information k. Successful archive of the data

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			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
DADS1520#A	Each DADS shall provide an FSMS. Storage shall be based on a hierarchy of devices and media, with location-transparent access to the files.		S-DSS-21360	A	The STMGT CI shall use a hierarchy of disk and/or tape storage devices and associated storage media to store data.
			S-DSS-21363	A	The STMGT CI shall provide location-transparent access to the archived data.
			S-DSS-21370	A	The STMGT CI shall use, where appropriate, a hierarchy of disk and/or tape storage devices and associated storage media to retrieve data.
DADS1520#B	Each DADS shall provide an FSMS. Storage shall be based on a hierarchy of devices and media, with location-transparent access to the files.		S-DSS-21360	A	The STMGT CI shall use a hierarchy of disk and/or tape storage devices and associated storage media to store data.
			S-DSS-21363	A	The STMGT CI shall provide location-transparent access to the archived data.
			S-DSS-21370	A	The STMGT CI shall use, where appropriate, a hierarchy of disk and/or tape storage devices and associated storage media to retrieve data.
DADS1530#A	Each DADS shall maintain a file directory of all files under its control.		S-DSS-21390	A	The STMGT CI shall maintain a File Directory of all data files which have been archived.
DADS1530#B	Each DADS shall maintain a file directory of all files under its control.		S-DSS-21390	A	The STMGT CI shall maintain a File Directory of all data files which have been archived.
DADS1540#A	In case of corruption or catastrophic failure, capabilities for recovering the file directory shall be provided.		S-DSS-20390	A	The STMGT CI shall provide operations staff a mechanism for recovery of data as a result of failed archive media. Note: Failed archive media are media which can not be read.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-21450	A	The STMGT CI shall provide operations staff the capability to backup the contents of the File Directory.
			S-DSS-21460	A	The STMGT CI shall provide operations staff the capability to recover the contents of the File Directory in the case of file corruption.
DADS1540#B	In case of corruption or catastrophic failure, capabilities for recovering the file directory shall be provided.		S-DSS-20390	A	The STMGT CI shall provide operations staff a mechanism for recovery of data as a result of failed archive media. Note: Failed archive media are media which can not be read.
			S-DSS-21450	A	The STMGT CI shall provide operations staff the capability to backup the contents of the File Directory.
			S-DSS-21460	A	The STMGT CI shall provide operations staff the capability to recover the contents of the File Directory in the case of file corruption.
DADS1550#A	Operations/systems personnel shall be able to access, list, or modify the contents of the file directory in a special privileged mode.	A: Create append to Display File Directory	S-DSS-21400	A	The STMGT CI shall provide operations staff a mechanism to create the File Directory.
			S-DSS-21410	A	The STMGT CI shall provide operations staff a mechanism to append records to the File Directory.
			S-DSS-21420	A	The STMGT CI shall provide operations staff a mechanism to display selected records in the File Directory.
			S-DSS-21440	A	The STMGT CI shall provide operations staff a mechanism to update records in the File Directory.
			S-DSS-21470	A	The STMGT CI shall provide operations staff the capability to view/display/print contents of the File Directory.
DADS1550#B	Operations/systems personnel shall be able to access, list, or modify the contents of the file directory in a special privileged mode.	B: Delete from File Directory	S-DSS-21400	A	The STMGT CI shall provide operations staff a mechanism to create the File Directory.
			S-DSS-21410	A	The STMGT CI shall provide operations staff a mechanism to append records to the File Directory.
			S-DSS-21420	A	The STMGT CI shall provide operations staff a mechanism to display selected records in the File Directory.
			S-DSS-21440	A	The STMGT CI shall provide operations staff a mechanism to update records in the File Directory.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-21470	A	The STMGT CI shall provide operations staff the capability to view/display/print contents of the File Directory.
			S-DSS-21430	B	The STMGT CI shall provide operations staff a mechanism to delete records from the File Directory.
DADS1610#A	The FSMS shall provide for continued performance, albeit in a degraded mode, when a device (e.g., disk or cartridge drive, operator's console) fails.		S-DSS-20380	A	The STMGT CI shall provide the capability to continue operations in a degraded mode despite hardware failures of individual archive storage devices, archive media and/or operator consoles.
			S-DSS-21380	A	In the event of storage device or archive media failure, the STMGT CI shall notify operations staff and provide appropriate information to include failed device name or media, failure code or reason and time/date of failure.
DADS1610#B	The FSMS shall provide for continued performance, albeit in a degraded mode, when a device (e.g., disk or cartridge drive, operator's console) fails.		S-DSS-20380	A	The STMGT CI shall provide the capability to continue operations in a degraded mode despite hardware failures of individual archive storage devices, archive media and/or operator consoles.
			S-DSS-21380	A	In the event of storage device or archive media failure, the STMGT CI shall notify operations staff and provide appropriate information to include failed device name or media, failure code or reason and time/date of failure.
DADS1620#A	At each DADS tools shall be available for operations/systems/maintenance personnel to monitor performance, carry out maintenance, and alter operating parameters.	A: Allocation and display storage device status and display media status	S-DSS-20300	A	The STMGT CI shall provide operations staff the capability to display information about the archive media resident in storage devices. Such information shall include: archive volume name, creation time/date, archive volume status.
			S-DSS-20540	A	The STMGT CI shall provide an automatic capability during startup to allocate storage devices to Data Servers.
			S-DSS-21270	A	The STMGT CI shall provide the operations staff the capability to display information about archive storage devices. Such information shall include current status, current operation, # operations completed, # errors reported, time/date of last error.
DADS1620#B	At each DADS tools shall be available for operations/systems/maintenance personnel to monitor performance, carry out maintenance, and alter operating parameters.	B: Change and display storage performance parameters	S-DSS-20300	A	The STMGT CI shall provide operations staff the capability to display information about the archive media resident in storage devices. Such information shall include: archive volume name, creation time/date, archive volume status.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-20540	A	The STMGT CI shall provide an automatic capability during startup to allocate storage devices to Data Servers.
			S-DSS-21270	A	The STMGT CI shall provide the operations staff the capability to display information about archive storage devices. Such information shall include current status, current operation, # operations completed, # errors reported, time/date of last error.
			S-DSS-20550	B	The STMGT CI shall provide operations staff a mechanism to display/view storage system operating parameters which affect storage system performance.
			S-DSS-20560	B	The STMGT CI shall provide operations staff a mechanism to display/view storage system operating parameters which affect storage system scheduling.
			S-DSS-20570	B	The STMGT CI shall provide operations staff the capability to change storage system operating parameters which affect storage system performance.
			S-DSS-20580	B	The STMGT CI shall provide operations staff the capability to change storage system operating parameters which affect storage system scheduling.
DADS1630#A	At each DADS tools shall be provided for recovery of data from failed media and devices.		S-DSS-20390	A	The STMGT CI shall provide operations staff a mechanism for recovery of data as a result of failed archive media. Note: Failed archive media are media which can not be read.
			S-DSS-20400	A	The STMGT CI shall provide operations staff a mechanism for recovery of data as a result of failed archive storage devices.
DADS1630#B	At each DADS tools shall be provided for recovery of data from failed media and devices.		S-DSS-20390	A	The STMGT CI shall provide operations staff a mechanism for recovery of data as a result of failed archive media. Note: Failed archive media are media which can not be read.
			S-DSS-20400	A	The STMGT CI shall provide operations staff a mechanism for recovery of data as a result of failed archive storage devices.
DADS1640#A	The DADS shall support the number of files derivable from Appendix C, with the ability to expand to match growth.	A: TRMM only	S-DSS-21510	A	The Science Management within the Data Server shall be capable of providing of 200% expansion in capacity without architecture or design change.
DADS1640#B	The DADS shall support the number of files derivable from Appendix C, with the ability to expand to match growth.	B: TRMM, AM-1, Landsat-7	S-DSS-21510	A	The Science Management within the Data Server shall be capable of providing of 200% expansion in capacity without architecture or design change.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS1700#A	Where appropriate, the DADS shall comply with the evolving guidelines and standards emerging from the IEEE-CS MSS Reference Model.		S-DSS-20125	A	The STMGT CI shall, where appropriate, comply with the evolving guidelines and standards emerging from the IEEE Reference Model for Open Storage Systems Interconnection.
DADS1700#B	Where appropriate, the DADS shall comply with the evolving guidelines and standards emerging from the IEEE-CS MSS Reference Model.		S-DSS-20125	A	The STMGT CI shall, where appropriate, comply with the evolving guidelines and standards emerging from the IEEE Reference Model for Open Storage Systems Interconnection.
DADS1710#A	The DADS shall comply with evolving guidelines and standards in such areas as file storage, storage management, and backup where appropriate.		S-DSS-20100	A	The STMGT CI shall provide operations staff personnel the capability to manually access archive media resident in storage devices.
			S-DSS-20110	A	The STMGT CI shall provide operations staff the capability to insert archive media into storage devices which support removable media.
			S-DSS-20120	A	The STMGT CI shall provide operations staff the capability to remove archive media from storage devices which support removable media.
			S-DSS-20350	A	The STMGT CI shall use a fully described file structure to store data.
			S-DSS-20360	A	The STMGT CI shall use a fully described physical file organization to store data.
			S-DSS-20370	A	The STMGT CI shall use openly published and non-proprietary data formats to store data.
			S-DSS-20480	A	The STMGT CI shall provide operations staff the capability to perform physical inventories of archive media resident in archive storage devices.
			S-DSS-20890	A	The STMGT CI shall provide operations staff the capability to load media into storage devices which support removable media.
			S-DSS-20900	A	The STMGT CI shall provide operations staff the capability to initialize media in storage devices which support removable media.
			S-DSS-20910	A	The STMGT CI shall provide operations staff the capability to unload media from storage devices which support removable media.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS1710#B	The DADS shall comply with evolving guidelines and standards in such areas as file storage, storage management, and backup where appropriate.		S-DSS-20100	A	The STMGT CI shall provide operations staff personnel the capability to manually access archive media resident in storage devices.
			S-DSS-20110	A	The STMGT CI shall provide operations staff the capability to insert archive media into storage devices which support removable media.
			S-DSS-20120	A	The STMGT CI shall provide operations staff the capability to remove archive media from storage devices which support removable media.
			S-DSS-20350	A	The STMGT CI shall use a fully described file structure to store data.
			S-DSS-20360	A	The STMGT CI shall use a fully described physical file organization to store data.
			S-DSS-20370	A	The STMGT CI shall use openly published and non-proprietary data formats to store data.
			S-DSS-20480	A	The STMGT CI shall provide operations staff the capability to perform physical inventories of archive media resident in archive storage devices.
			S-DSS-20890	A	The STMGT CI shall provide operations staff the capability to load media into storage devices which support removable media.
			S-DSS-20900	A	The STMGT CI shall provide operations staff the capability to initialize media in storage devices which support removable media.
			S-DSS-20910	A	The STMGT CI shall provide operations staff the capability to unload media from storage devices which support removable media.
			S-DSS-20860	B	The STMGT CI shall provide a mechanism to monitor the performance of the ECS archival storage system.
			S-DSS-20870	B	The STMGT CI shall provide operations staff the capability to view/display performance information on the storage system.
DADS1720#A	The FSMS at each DADS shall be based on published and open architectures which fully describe the physical organization and structures of files.		S-DSS-20350	A	The STMGT CI shall use a fully described file structure to store data.
			S-DSS-20360	A	The STMGT CI shall use a fully described physical file organization to store data.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-20370	A	The STMGT CI shall use openly published and non-proprietary data formats to store data.
DADS1720#B	The FSMS at each DADS shall be based on published and open architectures which fully describe the physical organization and structures of files.		S-DSS-20350	A	The STMGT CI shall use a fully described file structure to store data.
			S-DSS-20360	A	The STMGT CI shall use a fully described physical file organization to store data.
			S-DSS-20370	A	The STMGT CI shall use openly published and non-proprietary data formats to store data.
DADS1730#A	The DADS shall be developed using file storage management systems that have configuration-controlled application programming interfaces (APIs)		S-DSS-21312	A	The STMGT CI shall be developed using file storage management systems that have configuration-controlled application programming interfaces (APIs).
DADS1730#B	The DADS shall be developed using file storage management systems that have configuration-controlled application programming interfaces (APIs) that will allow the development of DAAC-unique file storage management services operated independently of the delivered ECS DADS services.		S-DSS-21280	B	The SDSRV CI shall provide application programming interfaces (APIs) to support Insert Requests.
			S-DSS-21290	B	The STMGT CI shall provide application programming interfaces (APIs) to support Retrieval Requests.
			S-DSS-21300	B	The STMGT CI shall provide application programming interfaces (APIs) to support Status Requests related to previous Insert Requests.
			S-DSS-21310	B	The STMGT CI shall provide application programming interfaces (APIs) to support Status Requests related to previous Retrieval Requests.
DADS1780#A	Each DADS shall provide the capability to store as a single entity logically grouped sets of data.		S-DSS-20620	A	The STMGT CI shall provide the capability to retrieve each individual data granule that is stored.
			S-DSS-04510	A	The STMGT CI shall support the capability to logically group a set of granule ids such that the set can be referenced by a single identifier.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS1780#B	Each DADS shall provide the capability to store as a single entity logically grouped sets of data.		S-DSS-20620	A	The STMGT CI shall provide the capability to retrieve each individual data granule that is stored.
			S-DSS-04510	A	The STMGT CI shall support the capability to logically group a set of granule ids such that the set can be referenced by a single identifier.
DADS1790#B	Each DADS shall periodically verify that all data sets are present and accounted for.		S-DSS-20360	A	The STMGT CI shall use a fully described physical file organization to store data.
DADS1791#A	Each DADS shall have the capability to mount archival media via automated means.	A: Automate/Dismount with operations support	S-DSS-20095	A	The STGMT CI shall have the capability to mount archival media via automated means.
			S-DSS-20170	A	The STMGT CI shall automatically request operations staff to load a new archive media to store data if no media exists with sufficient space for the new data.
			S-DSS-20180	A	The STMGT CI shall have the capability to automatically dismount archive media from storage devices which support removable media when different archive media must be mounted to store data.
			S-DSS-20190	A	The STMGT CI shall have the capability to automatically dismount archive media from storage devices which support removable media when different archive media must be mounted to retrieve data.
			S-DSS-20200	A	The STMGT CI shall provide a mechanism to remove archive media from storage devices to allow insertion of new or different archive media in the storage device.
DADS1791#B	Each DADS shall have the capability to mount archival media via automated means.	B: Operations Staff alternation of media mount/dismount criteria	S-DSS-20095	A	The STGMT CI shall have the capability to mount archival media via automated means.
			S-DSS-20170	A	The STMGT CI shall automatically request operations staff to load a new archive media to store data if no media exists with sufficient space for the new data.
			S-DSS-20180	A	The STMGT CI shall have the capability to automatically dismount archive media from storage devices which support removable media when different archive media must be mounted to store data.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-20190	A	The STMGT CI shall have the capability to automatically dismount archive media from storage devices which support removable media when different archive media must be mounted to retrieve data.
			S-DSS-20200	A	The STMGT CI shall provide a mechanism to remove archive media from storage devices to allow insertion of new or different archive media in the storage device.
			S-DSS-20820	B	The STMGT CI shall provide operations staff the capability to alter the criteria that determines removal of archive media from storage devices to allow insertion of new or different archive media in the storage device.
			S-DSS-20830	B	In determining the archive media to be removed, the STMGT CI shall ensure that the criteria consider the media's capacity for storing additional data, the last time data was accessed on the media and whether the media is currently in use to store or retrieve data.
DADS1795#A	Each DADS shall update internal file directories with the unique Data set ID.		S-DSS-20600	A	The STMGT CI shall provide the capability to uniquely identify each data granule that is archived.
			S-DSS-21480	A	The STMGT CI shall maintain a unique data set id for each data item in its File Directory.
DADS1795#B	Each DADS shall update internal file directories with the unique Data set ID.		S-DSS-20600	A	The STMGT CI shall provide the capability to uniquely identify each data granule that is archived.
			S-DSS-21480	A	The STMGT CI shall maintain a unique data set id for each data item in its File Directory.
DADS1800#A	Each DADS shall maintain data storage inventories defining the physical location of files.		S-DSS-20090	A	The STMGT CI shall maintain an Inventory Update Log. The following information shall be recorded: time and date of update, unique data identifier, archive media name, source of data, storage device name and requester.
			S-DSS-21490	A	The STMGT CI shall be capable of tracking the physical location of each data granule via use of the File Directory.
DADS1800#B	Each DADS shall maintain data storage inventories defining the physical location of files.		S-DSS-20090	A	The STMGT CI shall maintain an Inventory Update Log. The following information shall be recorded: time and date of update, unique data identifier, archive media name, source of data, storage device name and requester.
			S-DSS-21490	A	The STMGT CI shall be capable of tracking the physical location of each data granule via use of the File Directory.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS1805#A	The DADS shall provide an inventory system capable, at a minimum, of the following: a. Accepting the number of new inventory entries, one per granule, for the number of granules per day as specified in Appendix C b. Uniquely identifying each data granule c. Tracking the physical location of each data granule.	A: TRMM only	S-DSS-20090	A	The STMGT CI shall maintain an Inventory Update Log. The following information shall be recorded: time and date of update, unique data identifier, archive media name, source of data, storage device name and requester.
			S-DSS-20600	A	The STMGT CI shall provide the capability to uniquely identify each data granule that is archived.
			S-DSS-21480	A	The STMGT CI shall maintain a unique data set id for each data item in its File Directory.
			S-DSS-21490	A	The STMGT CI shall be capable of tracking the physical location of each data granule via use of the File Directory.
DADS1805#B	The DADS shall provide an inventory system capable, at a minimum, of the following: a. Accepting the number of new inventory entries, one per granule, for the number of granules per day as specified in Appendix C b. Uniquely identifying each data granule c. Tracking the physical location of each data granule.	B: TRMM, AM-1, Landsat-7	S-DSS-20090	A	The STMGT CI shall maintain an Inventory Update Log. The following information shall be recorded: time and date of update, unique data identifier, archive media name, source of data, storage device name and requester.
			S-DSS-20600	A	The STMGT CI shall provide the capability to uniquely identify each data granule that is archived.
			S-DSS-21480	A	The STMGT CI shall maintain a unique data set id for each data item in its File Directory.
			S-DSS-21490	A	The STMGT CI shall be capable of tracking the physical location of each data granule via use of the File Directory.
DADS1806#A	Each DADS shall provide the capability of retrieving any data granule stored in the archives.		S-DSS-20620	A	The STMGT CI shall provide the capability to retrieve each individual data granule that is stored.
DADS1806#B	Each DADS shall provide the capability of retrieving any data granule stored in the archives.		S-DSS-20620	A	The STMGT CI shall provide the capability to retrieve each individual data granule that is stored.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS1850#A	Each DADS shall utilize the configuration management toolkit provided by the SMC.		S-DSS-00820	A	The SDSRV CI shall provide a mechanism to control changes to the Configuration Management Data.
DADS1850#B	Each DADS shall utilize the configuration management toolkit provided by the SMC.		S-DSS-00820	A	The SDSRV CI shall provide a mechanism to control changes to the Configuration Management Data.
DADS1860#A	Each DADS shall, in conjunction with the SMC, provide configuration management for its internal resources.		S-DSS-20510	A	The STMGT CI shall provide operations staff the capability to obtain configuration information about operator selected storage devices.
			S-DSS-20520	A	The STMGT CI shall provide operations staff the capability to change the allocation of storage devices to individual Data Servers.
			S-DSS-20530	A	The STMGT CI shall provide the capability to display/view/print the allocation of storage devices to Data Servers.
			S-DSS-20540	A	The STMGT CI shall provide an automatic capability during startup to allocate storage devices to Data Servers.
			S-DSS-21160	A	The STMGT CI shall provide operations staff the capability to set the operational state (UP or DOWN) of storage devices.
			S-DSS-21170	A	The STMGT CI shall provide operations staff the capability to query the operational state (UP or DOWN) of storage devices.
DADS1860#B	Each DADS shall, in conjunction with the SMC, provide configuration management for its internal resources.		S-DSS-20510	A	The STMGT CI shall provide operations staff the capability to obtain configuration information about operator selected storage devices.
			S-DSS-20520	A	The STMGT CI shall provide operations staff the capability to change the allocation of storage devices to individual Data Servers.
			S-DSS-20530	A	The STMGT CI shall provide the capability to display/view/print the allocation of storage devices to Data Servers.
			S-DSS-20540	A	The STMGT CI shall provide an automatic capability during startup to allocate storage devices to Data Servers.
			S-DSS-21160	A	The STMGT CI shall provide operations staff the capability to set the operational state (UP or DOWN) of storage devices.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-21170	A	The STMGT CI shall provide operations staff the capability to query the operational state (UP or DOWN) of storage devices.
DADS1950#B	Each DADS shall access, via the system database at the SMC, the allocation of ground event functions and capabilities to each site/element.		S-PLS-02050	B	The PLANG CI shall be able to provide plans to PLANG CIs at other sites.
DADS1960#B	Each DADS shall access, from the SMC via the system database, the priorities used in scheduling ground events.		S-PLS-02050	B	The PLANG CI shall be able to provide plans to PLANG CIs at other sites.
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.				
DADS1970#B	Each DADS shall access from the SMC, via the system database, the product thread information for each standard product generated by EOSDIS.				
DADS1980#A	Each DADS shall receive from the SMC scheduling directives for system level, site/element-to-site/element, testing, and simulation activities.		S-INS-00364	A	The INGST CI shall accept an ingest Cancellation Request from authorized applications to cancel an ongoing Ingest Request, specifying the Request Identifier.
			S-INS-00369	A	The INGST CI shall authenticate the User Identifier of an application submitting an ingest Cancellation Request.
DADS1980#B	Each DADS shall receive from the SMC scheduling directives for system level, site/element-to-site/element, testing, and simulation activities.		S-INS-00364	A	The INGST CI shall accept an ingest Cancellation Request from authorized applications to cancel an ongoing Ingest Request, specifying the Request Identifier.
			S-INS-00369	A	The INGST CI shall authenticate the User Identifier of an application submitting an ingest Cancellation Request.
			S-DSS-01035	B	The SDSRV CI operations staff shall have the capability to receive from the SMC scheduling directives, and scheduling adjudication directives.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00365	B	The INGST CI shall accept an ingest Suspension Request from authorized applications to suspend ongoing ingest request processing for a specified Request Identifier, to suspend all ongoing ingest request processing from a specified External Data Provider, or to suspend all ongoing ingest request processing.
			S-INS-00367	B	The INGST CI shall accept an ingest Resumption Request from authorized applications to resume ongoing ingest request processing for a specified Request Identifier, to resume all ongoing ingest request processing from a specified External Data Provider, or to resume all ongoing ingest request processing.
			S-INS-00370	B	The INGST CI shall authenticate the User Identifier of an application submitting an ingest Suspension Request or ingest Resumption Request.
DADS2000#A	Each DADS shall receive from the SMC scheduling directives in response to emergency situations.		S-INS-00364	A	The INGST CI shall accept an ingest Cancellation Request from authorized applications to cancel an ongoing Ingest Request, specifying the Request Identifier.
			S-INS-00369	A	The INGST CI shall authenticate the User Identifier of an application submitting an ingest Cancellation Request.
DADS2000#B	Each DADS shall receive from the SMC scheduling directives in response to emergency situations.		S-INS-00364	A	The INGST CI shall accept an ingest Cancellation Request from authorized applications to cancel an ongoing Ingest Request, specifying the Request Identifier.
			S-INS-00369	A	The INGST CI shall authenticate the User Identifier of an application submitting an ingest Cancellation Request.
			S-DSS-01035	B	The SDSRV CI operations staff shall have the capability to receive from the SMC scheduling directives, and scheduling adjudication directives.
			S-INS-00365	B	The INGST CI shall accept an ingest Suspension Request from authorized applications to suspend ongoing ingest request processing for a specified Request Identifier, to suspend all ongoing ingest request processing from a specified External Data Provider, or to suspend all ongoing ingest request processing.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00367	B	The INGST CI shall accept an ingest Resumption Request from authorized applications to resume ongoing ingest request processing for a specified Request Identifier, to resume all ongoing ingest request processing from a specified External Data Provider, or to resume all ongoing ingest request processing.
			S-INS-00370	B	The INGST CI shall authenticate the User Identifier of an application submitting an ingest Suspension Request or ingest Resumption Request.
DADS2010#B	Each DADS shall receive from the SMC schedule adjudication directives.		S-DSS-01035	B	The SDSRV CI operations staff shall have the capability to receive from the SMC scheduling directives, and scheduling adjudication directives.
DADS2020#A	Each DADS shall have the capability to receive data availability schedules at a minimum, from: a. c. ADCs e. Other DADS f. TRMM (SDPF)	APPLIES ONLY TO GSFC DACC AND LARC DAAC; ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS	S-DSS-00734	A	The SDSRV CI shall provide the capability to store Data Availability Schedules.
			S-DSS-01525	A	The SDSRV CI shall accept Subscriptions for Data Availability Schedules from the PLANG CI.
			S-DSS-20442	A	The STMGT CI shall provide the capability to archive Data Availability Schedules.
			S-DSS-20444	A	The STMGT CI shall provide the capability to retrieve Data Availability Schedules.
DADS2020#B	Each DADS shall have the capability to receive data availability schedules at a minimum, from: a. b. IPs c. ADCs d. ODCs e. Other DADS f. TRMM (SDPF)	APPLIES ONLY TO GSFC DACC AND LARC DAAC; ASTER GDS interfaces to EDC DAAC only; ASTER GDS DATA AVAILABILITY SCHEDULES (TO EDC AND DAAC ONLY)	S-DSS-00734	A	The SDSRV CI shall provide the capability to store Data Availability Schedules.
			S-DSS-01525	A	The SDSRV CI shall accept Subscriptions for Data Availability Schedules from the PLANG CI.
			S-DSS-20442	A	The STMGT CI shall provide the capability to archive Data Availability Schedules.
			S-DSS-20444	A	The STMGT CI shall provide the capability to retrieve Data Availability Schedules.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-00732	B	The SDSRV CI shall provide the capability for one Data Server to accept Data Availability Schedules from another Data Server.
			S-PLS-00611	B	The operations staff shall manually submit (to the Data Server) Data Subscriptions for the Data Availability Schedules (DAS) of any remote ECS sites, any IP and any ODC that makes a DAS available
			S-PLS-00665	B	The PLANG CI shall notify the operations staff (via GUI), about the arrival of any Data Availability Schedule Notice corresponding to a DAS.
DADS2030#B	Each DADS shall maintain a list/schedule of data to be received from EDOS.	B: ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS	S-INS-00319	A	The INGST CI shall add a submitted Ingest Request to a list of Ingest Requests sorted by Priority Information.
			S-INS-00320	A	The INGST CI shall select an Ingest Request for processing based on the priorities of current requests so long as the number of requests concurrently processed is less than a threshold specified by operations staff. Requests of equal priority will be processed first-in, first-out.
DADS2040#A	Each DADS shall insure that data sent by EDOS and SDPF has been received and validated.	A: ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS	S-INS-00406	A	The INGST CI shall check selected parameters from extracted metadata to verify: a. Metadata parameters stored in a dataset specific format b. For numeric metadata parameters limited by a range of values, that parameter values lie within the specified range c. For metadata parameters with values limited to a set of discrete values, that parameter values are listed in the specified set d. That the metadata parameter syntax is correct e. For metadata containing parameters describing the data size, that the data size is correct (within a specified tolerance) f. That date / time values include a valid month, day of month, hour, minute, and second g. That date / time values include a year value within a range specific for that date / time value

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS2040#B	Each DADS shall insure that data sent by EDOS and SDPF has been received and validated.	B: ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS	S-INS-00406	A	The INGST CI shall check selected parameters from extracted metadata to verify: a. Metadata parameters stored in a dataset specific format b. For numeric metadata parameters limited by a range of values, that parameter values lie within the specified range c. For metadata parameters with values limited to a set of discrete values, that parameter values are listed in the specified set d. That the metadata parameter syntax is correct e. For metadata containing parameters describing the data size, that the data size is correct (within a specified tolerance) f. That date / time values include a valid month, day of month, hour, minute, and second g. That date / time values include a year value within a range specific for that date / time value
			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
DADS2065#A	The DADS shall receive production and expedited science and engineering data from EDOS in a data driven mode.	No operational capabilities; only acceptance and integration & test			
DADS2065#B	The DADS shall receive production and expedited science and engineering data from EDOS in a data driven mode.	Full AM-1 mission operational relevance			
DADS2070#B	Each DADS shall interact with EDOS, SDPF, and SMC to resolve schedule conflicts.	APPLIES ONLY TO MSFC DACC AND LARC DAAC; ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS	S-INS-00455	A	Operations staff shall contact the network operations staff and External Data Provider operations staff to resolve data transfer problems that are not handled automatically.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS2090#A	Each DADS shall reevaluate its schedule after receiving new orders from the IMS.		S-DSS-00050	A	The SDSRV CI shall process each Service Request on the basis of Priority Information specified in the Service Request.
			S-DSS-00051	A	The SDSRV CI shall verify that each Service Request has valid Priority Information.
			S-DSS-00055	A	The SDSRV CI shall initiate the processing of Service Requests of equal priority in the order in which they are received.
DADS2090#B	Each DADS shall reevaluate its schedule after receiving new orders from the IMS.		S-DSS-00050	A	The SDSRV CI shall process each Service Request on the basis of Priority Information specified in the Service Request.
			S-DSS-00051	A	The SDSRV CI shall verify that each Service Request has valid Priority Information.
			S-DSS-00055	A	The SDSRV CI shall initiate the processing of Service Requests of equal priority in the order in which they are received.
DADS2100#B	Each DADS shall receive time windows and priorities requested by the user for incorporation into and modification of its schedule.		S-INS-00190	A	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 in a Network Ingest Request entered interactively by a science user.
			S-INS-00222	A	The INGST CI shall check the Document Ingest Request to verify that the date/time prior to which the data will remain available is a valid date/time in a Document Ingest Request entered interactively by a science user.
			S-INS-00318	A	The INGST CI shall determine the Priority Information for each Ingest Request based on the External Data Provider and the requested ingest priority for the request.
			S-INS-00319	A	The INGST CI shall add a submitted Ingest Request to a list of Ingest Requests sorted by Priority Information.
			S-INS-00320	A	The INGST CI shall select an Ingest Request for processing based on the priorities of current requests so long as the number of requests concurrently processed is less than a threshold specified by operations staff. Requests of equal priority will be processed first-in, first-out.
			S-INS-00440	A	The INGST CI shall estimate whether data may complete transfer before the date/time prior to which the data will remain available.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS2110#A	The DADS shall provide scheduling information to the SMC.		S-DSS-00692	A	The SDSRV CI shall be capable of receiving data from the DDSRV CI.
			S-DSS-00694	A	The SDSRV CI shall be capable of receiving data from the STMGT CI.
			S-DSS-00696	A	The SDSRV CI shall be capable of receiving data from the DDIST CI.
DADS2110#B	The DADS shall provide scheduling information to the SMC.		S-DSS-00692	A	The SDSRV CI shall be capable of receiving data from the DDSRV CI.
			S-DSS-00694	A	The SDSRV CI shall be capable of receiving data from the STMGT CI.
			S-DSS-00696	A	The SDSRV CI shall be capable of receiving data from the DDIST CI.
DADS2120#A	The DADS shall have access to the system wide scheduling information. Such information includes, at a minimum, ESDIS Policies and Procedures regarding instrument and ground event scheduling, other element plans and schedules, element allocations of ground event functions and capabilities, product thread information, and scheduling directives for testing, maintenance, and emergency situations.	A: Manual			
DADS2120#B	The DADS shall have access to the system wide scheduling information. Such information includes, at a minimum, ESDIS Policies and Procedures regarding instrument and ground event scheduling, other element plans and schedules, element allocations of ground event functions and capabilities, product thread information, and scheduling directives for testing, maintenance, and emergency situations.	B: Automated			
DADS2160#A	Each DADS shall maintain a list/schedule of standing orders.	CERES, LIS	S-DSS-00030	A	The SDSRV CI shall provide the capability to queue Service Requests prior to their execution.
			S-DSS-00100	A	The SDSRV CI shall allow operations staff to set a threshold for the number of Service Requests to be queued for processing.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-01570	A	The SDSRV CI shall provide the capability for operations staff to view the stored Subscriptions.
DADS2160#B	Each DADS shall maintain a list/schedule of standing orders.	CERES, LIS	S-DSS-00030	A	The SDSRV CI shall provide the capability to queue Service Requests prior to their execution.
			S-DSS-00100	A	The SDSRV CI shall allow operations staff to set a threshold for the number of Service Requests to be queued for processing.
			S-DSS-01570	A	The SDSRV CI shall provide the capability for operations staff to view the stored Subscriptions.
DADS2170#A	Each DADS shall maintain a list/schedule of retrospective orders.		S-DSS-00030	A	The SDSRV CI shall provide the capability to queue Service Requests prior to their execution.
			S-DSS-00100	A	The SDSRV CI shall allow operations staff to set a threshold for the number of Service Requests to be queued for processing.
DADS2170#B	Each DADS shall maintain a list/schedule of retrospective orders.		S-DSS-00030	A	The SDSRV CI shall provide the capability to queue Service Requests prior to their execution.
			S-DSS-00100	A	The SDSRV CI shall allow operations staff to set a threshold for the number of Service Requests to be queued for processing.
DADS2180#A	Each DADS shall maintain a list/schedule of reprocessed data.	A: TRMM only.	S-DSS-00690	A	The SDSRV CI shall be capable of receiving data from the PLANG CI.
			S-DSS-04230	A	The SDSRV CI shall supply Metadata associated with production plan data to the DDIST CI.
			S-DSS-04360	A	The SDSRV CI shall include granule-specific information as defined in the SDPS Core Metadata Baseline (194-00269TPW).
			S-DSS-10095	A	The DDSRV CI shall be capable of receiving data from the PLANG CI.
			S-DSS-10238	A	The DDSRV CI shall provide storage for production plan data.
DADS2180#B	Each DADS shall maintain a list/schedule of reprocessed data.		S-DSS-00690	A	The SDSRV CI shall be capable of receiving data from the PLANG CI.
			S-DSS-04230	A	The SDSRV CI shall supply Metadata associated with production plan data to the DDIST CI.
			S-DSS-04360	A	The SDSRV CI shall include granule-specific information as defined in the SDPS Core Metadata Baseline (194-00269TPW).

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-10095	A	The DDSRV CI shall be capable of receiving data from the PLANG CI.
			S-DSS-10238	A	The DDSRV CI shall provide storage for production plan data.
			S-DSS-03600	B	The SDSRV CI shall interface with the STMGT CI to provide storage for production plans.
DADS2190#A	Each DADS shall maintain a list of products which could not be delivered electronically (e.g., workstation off-line).		S-DSS-30330	A	If the DDIST CI is unable to distribute data electronically, the User Identifier, the list of data, and the reason for the failure will be logged.
			S-DSS-30340	A	If the DDIST CI is unable to distribute data electronically, the user shall be sent a Notification.
DADS2190#B	Each DADS shall maintain a list of products which could not be delivered electronically (e.g., workstation off-line).		S-DSS-30330	A	If the DDIST CI is unable to distribute data electronically, the User Identifier, the list of data, and the reason for the failure will be logged.
			S-DSS-30340	A	If the DDIST CI is unable to distribute data electronically, the user shall be sent a Notification.
DADS2200#B	Each DADS shall maintain a list of data which requires some form of data manipulation such as subsetting.		S-DSS-00240	B	The SDSRV CI shall determine which Data Requests require post-retrieval processing.
DADS2210#A	Each DADS shall provide tools for the creation and manipulation of its plans/schedules.		S-INS-00350	A	The INGST CI shall accept an ingest Cancellation Request from authorized operations staff to cancel an ongoing ingest request, specifying the ingest Request Identifier.
			S-INS-00360	A	The INGST CI shall authenticate the User Identifier of operations staff submitting an ingest Cancellation Request.
			S-INS-00364	A	The INGST CI shall accept an ingest Cancellation Request from authorized applications to cancel an ongoing Ingest Request, specifying the Request Identifier.

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00380	A	The INGST CI shall provide authorized operations staff the capability to set thresholds for: a. Total number of Ingest Requests to process concurrently b. Number of Ingest Requests for each External Data Provider to process concurrently c. Total volume of data to ingest concurrently d Volume of data for each External Data Provider to ingest concurrently e. Number of data transfer retry attempts for each external interface to ECS
			S-INS-00390	A	The INGST CI shall authenticate the User Identifier of operations staff requesting to set thresholds for concurrent ingest processing.
			S-INS-00392	A	The INGST CI shall report status on ingest Cancellation Requests to the requesting operations staff and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier c. Unable to cancel specified Ingest Request
			S-INS-00395	A	The INGST CI shall report status on ingest threshold setup Requests to the requesting operations staff and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier c. Unable to suspend specified Ingest Request(s)
			S-INS-00396	A	The INGST CI shall report status on ingest Cancellation Requests to the requesting application and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier c. Unable to suspend specified Ingest Request(s)
DADS2210#B	Each DADS shall provide tools for the creation and manipulation of its plans/schedules.		S-INS-00350	A	The INGST CI shall accept an ingest Cancellation Request from authorized operations staff to cancel an ongoing ingest request, specifying the ingest Request Identifier.
			S-INS-00360	A	The INGST CI shall authenticate the User Identifier of operations staff submitting an ingest Cancellation Request.
			S-INS-00364	A	The INGST CI shall accept an ingest Cancellation Request from authorized applications to cancel an ongoing Ingest Request, specifying the Request Identifier.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00380	A	The INGST CI shall provide authorized operations staff the capability to set thresholds for: a. Total number of Ingest Requests to process concurrently b. Number of Ingest Requests for each External Data Provider to process concurrently c. Total volume of data to ingest concurrently d Volume of data for each External Data Provider to ingest concurrently e. Number of data transfer retry attempts for each external interface to ECS
			S-INS-00390	A	The INGST CI shall authenticate the User Identifier of operations staff requesting to set thresholds for concurrent ingest processing.
			S-INS-00392	A	The INGST CI shall report status on ingest Cancellation Requests to the requesting operations staff and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier c. Unable to cancel specified Ingest Request
			S-INS-00395	A	The INGST CI shall report status on ingest threshold setup Requests to the requesting operations staff and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier c. Unable to suspend specified Ingest Request(s)
			S-INS-00396	A	The INGST CI shall report status on ingest Cancellation Requests to the requesting application and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier c. Unable to suspend specified Ingest Request(s)
			S-DSS-00210	B	The SDSRV CI shall provide operations staff the capability to update the Priority Information for a queued Service Request.
			S-INS-00355	B	The INGST CI shall accept an ingest Suspension Request from authorized operations staff to suspend ongoing ingest request processing for a specified ingest Request Identifier, to suspend all ongoing ingest request processing from a specified External Data Provider, or to suspend all ongoing ingest request processing.

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00357	B	The INGST CI shall accept an ingest Resumption Request from authorized operations staff to resume ongoing ingest request processing for a specified ingest Request Identifier, to resume all ongoing ingest request processing from a specified External Data Provider, or to resume all ongoing ingest request processing.
			S-INS-00363	B	The INGST CI shall authenticate the User Identifier of operations staff submitting an ingest Suspension Request or ingest Resumption Request.
			S-INS-00393	B	The INGST CI shall report status on ingest Suspension Requests to the requesting operations staff and to the Error Log for the following: a._Unauthorized requester b._Invalid ingest Request Identifier c._Unable to suspend specified Ingest Request(s)
			S-INS-00394	B	The INGST CI shall report status on ingest Resumption Requests to the requesting operations staff and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier
DADS2220#A	Each DADS shall provide tools for manually overriding any of its schedules with other elements.		S-INS-00350	A	The INGST CI shall accept an ingest Cancellation Request from authorized operations staff to cancel an ongoing ingest request, specifying the ingest Request Identifier.
			S-INS-00360	A	The INGST CI shall authenticate the User Identifier of operations staff submitting an ingest Cancellation Request.
			S-INS-00380	A	The INGST CI shall provide authorized operations staff the capability to set thresholds for: a. Total number of Ingest Requests to process concurrently b. Number of Ingest Requests for each External Data Provider to process concurrently c. Total volume of data to ingest concurrently d Volume of data for each External Data Provider to ingest concurrently e. Number of data transfer retry attempts for each external interface to ECS
			S-INS-00390	A	The INGST CI shall authenticate the User Identifier of operations staff requesting to set thresholds for concurrent ingest processing.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00392	A	The INGST CI shall report status on ingest Cancellation Requests to the requesting operations staff and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier c. Unable to cancel specified Ingest Request
			S-INS-00395	A	The INGST CI shall report status on ingest threshold setup Requests to the requesting operations staff and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier c. Unable to suspend specified Ingest Request(s)
DADS2220#B	Each DADS shall provide tools for manually overriding any of its schedules with other elements.		S-INS-00350	A	The INGST CI shall accept an ingest Cancellation Request from authorized operations staff to cancel an ongoing ingest request, specifying the ingest Request Identifier.
			S-INS-00360	A	The INGST CI shall authenticate the User Identifier of operations staff submitting an ingest Cancellation Request.
			S-INS-00380	A	The INGST CI shall provide authorized operations staff the capability to set thresholds for: a. Total number of Ingest Requests to process concurrently b. Number of Ingest Requests for each External Data Provider to process concurrently c. Total volume of data to ingest concurrently d Volume of data for each External Data Provider to ingest concurrently e. Number of data transfer retry attempts for each external interface to ECS
			S-INS-00390	A	The INGST CI shall authenticate the User Identifier of operations staff requesting to set thresholds for concurrent ingest processing.
			S-INS-00392	A	The INGST CI shall report status on ingest Cancellation Requests to the requesting operations staff and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier c. Unable to cancel specified Ingest Request

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00395	A	The INGST CI shall report status on ingest threshold setup Requests to the requesting operations staff and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier c. Unable to suspend specified Ingest Request(s)
			S-INS-00355	B	The INGST CI shall accept an ingest Suspension Request from authorized operations staff to suspend ongoing ingest request processing for a specified ingest Request Identifier, to suspend all ongoing ingest request processing from a specified External Data Provider, or to suspend all ongoing ingest request processing.
			S-INS-00357	B	The INGST CI shall accept an ingest Resumption Request from authorized operations staff to resume ongoing ingest request processing for a specified ingest Request Identifier, to resume all ongoing ingest request processing from a specified External Data Provider, or to resume all ongoing ingest request processing.
			S-INS-00363	B	The INGST CI shall authenticate the User Identifier of operations staff submitting an ingest Suspension Request or ingest Resumption Request.
			S-INS-00393	B	The INGST CI shall report status on ingest Suspension Requests to the requesting operations staff and to the Error Log for the following: a._Unauthorized requester b._Invalid ingest Request Identifier c._Unable to suspend specified Ingest Request(s)
			S-INS-00397	B	The INGST CI shall report status on ingest Suspension Requests to the requesting application and to the Error Log for the following: a._Unauthorized requester b._Invalid ingest Request Identifier c._Unable to suspend specified Ingest Request(s)
			S-INS-00398	B	The INGST CI shall report status on ingest Resumption Requests to the requesting application and to the Error Log for the following: a._Unauthorized requester b._Invalid ingest Request Identifier

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00394	B	The INGST CI shall report status on ingest Resumption Requests to the requesting operations staff and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier
DADS2230#B	Each DADS shall inform the collocated PGS of any anticipated resource availability conflicts.		S-DSS-00840	B	The SDSRV CI shall inform the collocated elements of ECS if resource availability falls below nominal operating parameters. This applies to staging resources and peripheral resources.
DADS2270#A	Each DADS shall provide, on a scheduled basis, an off-site backup copy of all EOS data whichwould be impossible or difficult to recover in case of loss (e.g., ancillary data, metadata, command history, algorithms, engineering data, calibration data, systems and applications software, selected data products, depending on need).	A: TRMM only.			
DADS2270#B	Each DADS shall provide, on a scheduled basis, an off-site backup copy of all EOS data whichwould be impossible or difficult to recover in case of loss (e.g., ancillary data, metadata, command history, algorithms, engineering data, calibration data, systems and applications software, selected data products, depending on need).				
DADS2276#A	Each DADS shall have the capability to restore its archive by storing a backup copy of EOS data or backup copy of information required to regenerate the data.	A: TRMM only.	S-DSS-20740	A	The STMGT CI shall provide operations staff the capability to retrieve data that has been safe-stored at an external facility.
DADS2276#B	Each DADS shall have the capability to restore its archive by storing a backup copy of EOS data or backup copy of information required to regenerate the data.		S-DSS-20740	A	The STMGT CI shall provide operations staff the capability to retrieve data that has been safe-stored at an external facility.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS2300#A	Each DADS shall provide a capability for local and offsite backup/restore of system files.		S-DSS-21180	A	The STMGT CI shall provide operations staff the capability to backup storage system unique files, which shall include all logs, files used by the storage system and files indicating the allocation of storage devices to Data Servers.
			S-DSS-21190	A	The STMGT CI shall provide operations staff the capability to restore storage system unique files.
DADS2300#B	Each DADS shall provide a capability for local and offsite backup/restore of system files.		S-DSS-21180	A	The STMGT CI shall provide operations staff the capability to backup storage system unique files, which shall include all logs, files used by the storage system and files indicating the allocation of storage devices to Data Servers.
			S-DSS-21190	A	The STMGT CI shall provide operations staff the capability to restore storage system unique files.
DADS2302#A	Offsite and local backup media shall be based on published, open, and non-proprietary formats which fully describe the physical organization and structure of files.		S-DSS-20420	A	The STMGT CI shall be capable of producing backup archive media which uses openly published and non-proprietary formats for recording data.
			S-DSS-20430	A	The STMGT CI shall be capable of producing backup archive media which has a fully described file structure.
			S-DSS-20440	A	The STMGT CI shall be capable of producing backup archive media which has a fully described physical file organization.
DADS2302#B	Offsite and local backup media shall be based on published, open, and non-proprietary formats which fully describe the physical organization and structure of files.		S-DSS-20420	A	The STMGT CI shall be capable of producing backup archive media which uses openly published and non-proprietary formats for recording data.
			S-DSS-20430	A	The STMGT CI shall be capable of producing backup archive media which has a fully described file structure.
			S-DSS-20440	A	The STMGT CI shall be capable of producing backup archive media which has a fully described physical file organization.
DADS2307#B	DADS shall fulfill requests for L0 data from EDOS with L0 or L1A data, as available.	B: The EDC DAAC also should have the capability to provide backup data sets (ASTER Level 1a) to EDOS (on request) via media transfer.	S-DSS-20750	B	For data retrieval requests for L0 data from EDOS, STMGT CI shall satisfy such requests with appropriate L0 or L1A data. Note: These instruments provide L0 data, CERES, LIS, ASTER, MISR, MODIS, MOPPIT; these provide L1A data, LIS, PR, TMI, VIRS.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS2315#A	Each DADS shall be capable of providing access to data to support the instrument science team(s) in: a. Pre-launch checkout of their instruments b. Pre-launch science checkout c. Development of initial calibration information.	A: TRMM - CERES, LIS	S-DSS-03480	A	The SDSRV CI shall interface with the STMGT CI to provide storage for instrument calibration data.
			S-DSS-04100	A	The SDSRV CI shall supply instrument calibration data to the DDIST CI.
			S-DSS-04110	A	The SDSRV CI shall supply Metadata associated with instrument calibration data to the DDIST CI.
			S-DSS-04260	A	The SDSRV CI shall supply scientific calibration data to the DDIST CI.
			S-DSS-04270	A	The SDSRV CI shall supply Metadata associated with scientific calibration data to the DDIST CI.
			S-DSS-30710	A	The DDIST CI shall provide the capability to distribute any Data , or appropriate subset, listed in the Inventory. Note: The appropriate subset of a data item is determined by and depends on the subject data type.
DADS2315#B	Each DADS shall be capable of providing access to data to support the instrument science team(s) in: a. Pre-launch checkout of their instruments b. Pre-launch science checkout c. Development of initial calibration information.	B: TRMM - CERES, LIS AM-1 (all 5) Landsat-7 ()	S-DSS-03480	A	The SDSRV CI shall interface with the STMGT CI to provide storage for instrument calibration data.
			S-DSS-04100	A	The SDSRV CI shall supply instrument calibration data to the DDIST CI.
			S-DSS-04110	A	The SDSRV CI shall supply Metadata associated with instrument calibration data to the DDIST CI.
			S-DSS-04260	A	The SDSRV CI shall supply scientific calibration data to the DDIST CI.
			S-DSS-04270	A	The SDSRV CI shall supply Metadata associated with scientific calibration data to the DDIST CI.
			S-DSS-30710	A	The DDIST CI shall provide the capability to distribute any Data , or appropriate subset, listed in the Inventory. Note: The appropriate subset of a data item is determined by and depends on the subject data type.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS2320#A	Each DADS shall send to the IMS, at a minimum, the following: a. Metadata b. Documentation c. Product status dialog		S-DSS-03820	A	Each SDSRV CI Advertisement shall identify the service's interface.
			S-DSS-03830	A	Each SDSRV CI Advertisement shall include Service Descriptions.
			S-DSS-00530	A	The SDSRV CI shall provide Data Dictionary Information to the Data Management subsystem.
			S-DSS-00540	A	The SDSRV CI shall provide Schema Information to the Data Management subsystem.
			S-DSS-10050	A	The DDSRV CI shall provide documents to requesting agencies.
			S-DSS-30170	A	The DDIST CI shall respond to Status Requests from science users with a Request State indicating that the specified Distribution Request is "pending", "active", or "not found".
			S-DSS-30171	A	The DDIST CI shall respond to Status Requests from operations staff with a Request State indicating that the specified Distribution Request is "pending", "staging", "transferring" or "not found".
			S-DSS-30250	A	Upon the receipt of a status request, DDIST shall validate and provide the status of previously submitted distribution request.
			S-DSS-30175	A	Status Requests shall have the format given in Appendix A of the current version of 304-CD-002 for Release A and as specified in Appendix K of the current version of 304-CD-005 for Release B.
DADS2320#B	Each DADS shall send to the IMS, at a minimum, the following: a. Metadata b. Documentation c. Product status dialog		S-DSS-03820	A	Each SDSRV CI Advertisement shall identify the service's interface.
			S-DSS-03830	A	Each SDSRV CI Advertisement shall include Service Descriptions.
			S-DSS-00530	A	The SDSRV CI shall provide Data Dictionary Information to the Data Management subsystem.
			S-DSS-00540	A	The SDSRV CI shall provide Schema Information to the Data Management subsystem.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-10050	A	The DDSRV CI shall provide documents to requesting agencies.
			S-DSS-30170	A	The DDIST CI shall respond to Status Requests from science users with a Request State indicating that the specified Distribution Request is "pending", "active", or "not found".
			S-DSS-30171	A	The DDIST CI shall respond to Status Requests from operations staff with a Request State indicating that the specified Distribution Request is "pending", "staging", "transferring" or "not found".
			S-DSS-30250	A	Upon the receipt of a status request, DDIST shall validate and provide the status of previously submitted distribution request.
			S-DSS-30175	A	Status Requests shall have the format given in Appendix A of the current version of 304-CD-002 for Release A and as specified in Appendix K of the current version of 304-CD-005 for Release B.
DADS2330#A	Each DADS shall send to the PGS, at a minimum, the following: b. L0-L4 d. Metadata e. Ancillary data f. Calibration data g. Algorithms h. Schedules i. Status k. Special data sets l. Non-EOS science data from ADCs/ODCs	A: sub-item A: ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS	S-DSS-04040	A	The SDSRV CI shall supply calibration data to the DDIST CI.
			S-DSS-04050	A	The SDSRV CI shall supply Metadata associated with calibration data to the DDIST CI.
			S-DSS-04060	A	The SDSRV CI shall supply Science Software Archive Packages to the DDIST CI.
			S-DSS-04070	A	The SDSRV CI shall supply Metadata associated with Science Software Archive Packages to the DDIST CI.
			S-DSS-04100	A	The SDSRV CI shall supply instrument calibration data to the DDIST CI.
			S-DSS-04110	A	The SDSRV CI shall supply Metadata associated with instrument calibration data to the DDIST CI.
			S-DSS-04140	A	The SDSRV CI shall supply instrument historical data to the DDIST CI.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-04150	A	The SDSRV CI shall supply Metadata associated with instrument historical data to the DDIST CI.
			S-DSS-04230	A	The SDSRV CI shall supply Metadata associated with production plan data to the DDIST CI.
			S-DSS-04280	A	The SDSRV CI shall supply spacecraft historical data to the DDIST CI.
			S-DSS-20475	A	The STMGT CI shall provide the capability to retrieve non-EOS data to be used for standard product production.
			S-DSS-04035	A	The SDSRV CI shall supply the Data Products listed in Appendix F of the current version of 304-CD-005 to the DDIST CI.
			S-DSS-04037	A	The SDSRV CI shall supply the Metadata associated with the Data Products listed in Appendix F of the current version of 304-CD-005 to the DDIST CI.
			S-DSS-04300	A	The SDSRV CI shall supply correlative data to the DDIST CI.
			S-DSS-04310	A	The SDSRV CI shall supply Metadata associated with correlative data to the DDIST CI.
DADS2330#B	Each DADS shall send to the PGS, at a minimum, the following: a. Production data (L0) received from EDOS b. L0-L4 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	A & B: ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS	S-DSS-04040	A	The SDSRV CI shall supply calibration data to the DDIST CI.
			S-DSS-04050	A	The SDSRV CI shall supply Metadata associated with calibration data to the DDIST CI.
			S-DSS-04060	A	The SDSRV CI shall supply Science Software Archive Packages to the DDIST CI.
			S-DSS-04070	A	The SDSRV CI shall supply Metadata associated with Science Software Archive Packages to the DDIST CI.
			S-DSS-04100	A	The SDSRV CI shall supply instrument calibration data to the DDIST CI.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-04110	A	The SDSRV CI shall supply Metadata associated with instrument calibration data to the DDIST CI.
			S-DSS-04140	A	The SDSRV CI shall supply instrument historical data to the DDIST CI.
			S-DSS-04150	A	The SDSRV CI shall supply Metadata associated with instrument historical data to the DDIST CI.
			S-DSS-04230	A	The SDSRV CI shall supply Metadata associated with production plan data to the DDIST CI.
			S-DSS-04280	A	The SDSRV CI shall supply spacecraft historical data to the DDIST CI.
			S-DSS-20475	A	The STMGT CI shall provide the capability to retrieve non-EOS data to be used for standard product production.
			S-DSS-04038	B	The SDSRV CI shall supply L0 - L4 Data to the DDIST CI.
			S-DSS-04332	B	The SDSRV CI shall supply Research results (articles, algorithms, data sets, software) to the DDIST CI.
			S-DSS-04035	A	The SDSRV CI shall supply the Data Products listed in Appendix F of the current version of 304-CD-005 to the DDIST CI.
			S-DSS-04037	A	The SDSRV CI shall supply the Metadata associated with the Data Products listed in Appendix F of the current version of 304-CD-005 to the DDIST CI.
			S-DSS-04300	A	The SDSRV CI shall supply correlative data to the DDIST CI.
			S-DSS-04310	A	The SDSRV CI shall supply Metadata associated with correlative data to the DDIST CI.
			S-DSS-04320	B	The SDSRV CI shall supply special Data Products to the DDIST CI.
			S-DSS-04330	B	The SDSRV CI shall supply Metadata associated with special Data Products to the DDIST CI.
DADS2340#A	Each DADS shall send to remote DAACs, at a minimum, the following: a. L0-L4 b. Metadata c. Ancillary data d. Calibration data e. Correlative data f. Documents g. Algorithms	A: sub-items a,b,c,d,e,f,g: TRMM - CERES, LIS	S-DSS-04100	A	The SDSRV CI shall supply instrument calibration data to the DDIST CI.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-04110	A	The SDSRV CI shall supply Metadata associated with instrument calibration data to the DDIST CI.
			S-DSS-10050	A	The DDSRV CI shall provide documents to requesting agencies.
			S-DSS-10290	A	The DDSRV CI shall supply documents to the DDIST CI.
DADS2340#B	Each DADS shall send to remote DAACs, at a minimum, the following: a. L0-L4 b. Metadata c. Ancillary data d. Calibration data e. Correlative data f. Documents g. Algorithms h. Spacecraft and instrument logs		S-DSS-04100	A	The SDSRV CI shall supply instrument calibration data to the DDIST CI.
			S-DSS-04110	A	The SDSRV CI shall supply Metadata associated with instrument calibration data to the DDIST CI.
			S-DSS-10050	A	The DDSRV CI shall provide documents to requesting agencies.
			S-DSS-10290	A	The DDSRV CI shall supply documents to the DDIST CI.
			S-DSS-04038	B	The SDSRV CI shall supply L0 - L4 Data to the DDIST CI.
DADS2345#A	Each DADS shall send to ADCs, at a minimum, the following: a. L0-L4 b. Metadata c. Ancillary data d. Calibration data e. Correlative data f. Documents g. Algorithms	A: NOAA only	S-DSS-04100	A	The SDSRV CI shall supply instrument calibration data to the DDIST CI.
			S-DSS-04110	A	The SDSRV CI shall supply Metadata associated with instrument calibration data to the DDIST CI.
			S-DSS-10050	A	The DDSRV CI shall provide documents to requesting agencies.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS2345#B	Each DADS shall send to ADCs, at a minimum, the following: a. L0-L4 b. Metadata c. Ancillary data d. Calibration data e. Correlative data f. Documents g. Algorithms h. Spacecraft and instrument logs		S-DSS-04100	A	The SDSRV CI shall supply instrument calibration data to the DDIST CI.
			S-DSS-04110	A	The SDSRV CI shall supply Metadata associated with instrument calibration data to the DDIST CI.
			S-DSS-10050	A	The DDSRV CI shall provide documents to requesting agencies.
			S-DSS-04038	B	The SDSRV CI shall supply L0 - L4 Data to the DDIST CI.
DADS2360#B	Each DADS shall send to the ODCs, at a minimum, the following: a. L0-L4 b. Special products (L1-L4) c. Metadata d. Ancillary data e. Calibration data f. Correlative data g. Documents h. Algorithms		S-DSS-04040	A	The SDSRV CI shall supply calibration data to the DDIST CI.
			S-DSS-04050	A	The SDSRV CI shall supply Metadata associated with calibration data to the DDIST CI.
			S-DSS-04100	A	The SDSRV CI shall supply instrument calibration data to the DDIST CI.
			S-DSS-04110	A	The SDSRV CI shall supply Metadata associated with instrument calibration data to the DDIST CI.
			S-DSS-10050	A	The DDSRV CI shall provide documents to requesting agencies.
			S-DSS-04038	B	The SDSRV CI shall supply L0 - L4 Data to the DDIST CI.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS2370#A	Each DADS shall send to the user, at a minimum, the following: a. L0-L4 b. Special products (L1-L4) c. Metadata d. Ancillary data e. Calibration data f. Correlative data g. Documents h. Algorithms i. Planning and scheduling information		S-DSS-10050	A	The DDSRV CI shall provide documents to requesting agencies.
DADS2370#B	Each DADS shall send to the user, at a minimum, the following: a. L0-L4 b. Special products (L1-L4) c. Metadata d. Ancillary data e. Calibration data f. Correlative data g. Documents h. Algorithms i. Planning and scheduling information		S-DSS-10050	A	The DDSRV CI shall provide documents to requesting agencies.
			S-CLS-13780	B	When submitting Distribution Requests, users shall be able to request inclusion of Universal References to the appropriate documentation for this data, the tools needed to read this data, and an ASCII file describing each of these references.
			S-DSS-04038	B	The SDSRV CI shall supply L0 - L4 Data to the DDIST CI.
			S-DSS-04332	B	The SDSRV CI shall supply Research results (articles, algorithms, data sets, software) to the DDIST CI.
DADS2380#A	Each DADS shall send to the SCF, at a minimum, the following: a. L0-L4 b. Expedited data d. Metadata e. Ancillary data f. Calibration data g. Correlative data h. Documents i. Algorithms		S-DSS-10050	A	The DDSRV CI shall provide documents to requesting agencies.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS2380#B	Each DADS shall send to the SCF, at a minimum, the following: a. L0-L4 b. Expedited data c. Special products (L1-L4) d. Metadata e. Ancillary data f. Calibration data g. Correlative data h. Documents i. Algorithms		S-DSS-10050	A	The DDSRV CI shall provide documents to requesting agencies.
			S-DSS-04038	B	The SDSRV CI shall supply L0 - L4 Data to the DDIST CI.
DADS2390#B	Each DADS shall send to the IPs, at a minimum, the following: a. L0-L4 b. Metadata c. Ancillary data d. Calibration data e. Correlative data f. Documents	B: ASTER GDS interfaces to EDC DAAC only.	S-DSS-04040	A	The SDSRV CI shall supply calibration data to the DDIST CI.
			S-DSS-04050	A	The SDSRV CI shall supply Metadata associated with calibration data to the DDIST CI.
			S-DSS-04100	A	The SDSRV CI shall supply instrument calibration data to the DDIST CI.
			S-DSS-04110	A	The SDSRV CI shall supply Metadata associated with instrument calibration data to the DDIST CI.
			S-DSS-10050	A	The DDSRV CI shall provide documents to requesting agencies.
			S-DSS-04038	B	The SDSRV CI shall supply L0 - L4 Data to the DDIST CI.
DADS2410#A	Each DADS shall distribute data from the archive in response to receipt of a product order from the IMS.		S-DSS-20980	A	The STMGT CI shall provide the SDSRV CI the capability to open files on archive storage media in the DRPHW CI.
			S-DSS-20985	A	The STMGT CI shall provide the SDSRV CI the capability to open files on archive storage media in the WKSHW CI.
			S-DSS-20990	A	The STMGT CI shall provide the SDSRV CI the capability to close files on archive storage media in the DRPHW CI.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-20995	A	The STMGT CI shall provide the SDSRV CI the capability to close files on archive storage media in the WKSHW CI.
			S-DSS-21000	A	The STMGT CI shall provide the SDSRV CI the capability to read information from files on archive storage media in the DRPHW CI.
			S-DSS-21005	A	The STMGT CI shall provide the SDSRV CI the capability to read information from files on archive storage media in the WKSHW CI.
			S-DSS-21010	A	The STMGT CI shall provide the SDSRV CI the capability to write information into files on archive storage media in the DRPHW CI.
			S-DSS-21015	A	The STMGT CI shall provide the SDSRV CI the capability to write information into files on archive storage media in the WKSHW CI.
			S-DSS-21020	A	The STMGT CI shall provide the SDSRV CI the capability to allocate archive storage devices for Service Request processing in the DRPHW CI.
			S-DSS-21025	A	The STMGT CI shall provide the SDSRV CI the capability to allocate archive storage devices for Service Request processing in the WKSHW CI.
			S-DSS-21030	A	The STMGT CI shall provide the SDSRV CI the capability to deallocate archive storage devices in the DRPHW CI.
			S-DSS-21035	A	The STMGT CI shall provide the SDSRV CI the capability to deallocate archive storage devices in the DRPHW CI.
			S-DSS-21040	A	The STMGT CI shall provide the SDSRV CI the capability to open files on staging devices in the WKSHW CI.
			S-DSS-21050	A	The STMGT CI shall provide the SDSRV CI the capability to close files on staging devices in the WKSHW CI.
			S-DSS-21060	A	The STMGT CI shall provide the SDSRV CI the capability to write information into files on staging devices in the WKSHW CI.
			S-DSS-21070	A	The STMGT CI shall provide the SDSRV CI the capability to read information from files on staging devices in the WKSHW CI.
			S-DSS-21080	A	The STMGT CI shall provide the SDSRV CI the capability to delete files on staging devices in the WKSHW CI.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-21090	A	The STMGT CI shall provide the SDSRV CI the capability to rename files on staging devices in the WKSHW CI.
			S-DSS-21100	A	The STMGT CI shall provide the SDSRV CI the capability to obtain information concerning files on staging devices in the WKSHW CI. Note: File info. includes file name, size, type, organization, creation date, protections, owner, last access time and id of last entity to access file.
			S-DSS-30010	A	The DDIST CI shall accept Electronic Distribution Requests or Media Distribution Requests.
			S-DSS-30040	A	The DDIST CI shall log the following on the Distribution Activity Log whenever an Electronic Distribution Request fails validation: User Identifier, Request Identifier, Date and Time, and an explanation of the failure.
			S-DSS-30045	A	The DDIST CI shall send Notifications to users via email in the event that the request is canceled by operations staff and the user has an active session.
			S-DSS-30046	A	The DDIST CI shall send Notifications to the user's desktop application in the event that the request is canceled by operations staff and the user has an active session.
			S-DSS-30050	A	The DDIST CI shall send a Notification to the source of the request if an Electronic Distribution Request fails validation.
			S-DSS-30070	A	The DDIST CI shall log a Distribution Failure Message whenever a Media Distribution Request fails validation.
			S-DSS-30080	A	The DDIST CI shall send a Notification to the source of the request if a Media Distribution Request fails validation.
			S-DSS-30020	A	Distribution Requests shall have the format described in Appendix A of the current version of 304-CD-002 for Release A and as specified in Appendix K of the current version of 304-CD-005 for Release B.
			S-DSS-30030	A	The DDIST CI shall validate each Electronic Distribution Request and verify that the format conforms to that specified in Appendix A of the current version of 304-CD-002 for Release A and as specified in Appendix K of the current version of 304-CD-005 for Release B.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-30060	A	The DDIST CI shall validate each Media Distribution Request and verify that it conforms to the format specified in Appendix A of the current version of 304-CD-002 for Release A and as specified in Appendix K of the current version of 304-CD-005 for Release B.
DADS2410#B	Each DADS shall distribute data from the archive in response to receipt of a product order from the IMS.		S-DSS-20980	A	The STMGT CI shall provide the SDSRV CI the capability to open files on archive storage media in the DRPHW CI.
			S-DSS-20985	A	The STMGT CI shall provide the SDSRV CI the capability to open files on archive storage media in the WKSHW CI.
			S-DSS-20990	A	The STMGT CI shall provide the SDSRV CI the capability to close files on archive storage media in the DRPHW CI.
			S-DSS-20995	A	The STMGT CI shall provide the SDSRV CI the capability to close files on archive storage media in the WKSHW CI.
			S-DSS-21000	A	The STMGT CI shall provide the SDSRV CI the capability to read information from files on archive storage media in the DRPHW CI.
			S-DSS-21005	A	The STMGT CI shall provide the SDSRV CI the capability to read information from files on archive storage media in the WKSHW CI.
			S-DSS-21010	A	The STMGT CI shall provide the SDSRV CI the capability to write information into files on archive storage media in the DRPHW CI.
			S-DSS-21015	A	The STMGT CI shall provide the SDSRV CI the capability to write information into files on archive storage media in the WKSHW CI.
			S-DSS-21020	A	The STMGT CI shall provide the SDSRV CI the capability to allocate archive storage devices for Service Request processing in the DRPHW CI.
			S-DSS-21025	A	The STMGT CI shall provide the SDSRV CI the capability to allocate archive storage devices for Service Request processing in the WKSHW CI.
			S-DSS-21030	A	The STMGT CI shall provide the SDSRV CI the capability to deallocate archive storage devices in the DRPHW CI.
			S-DSS-21035	A	The STMGT CI shall provide the SDSRV CI the capability to deallocate archive storage devices in the DRPHW CI.

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-21040	A	The STMGT CI shall provide the SDSRV CI the capability to open files on staging devices in the WKSHW CI.
			S-DSS-21050	A	The STMGT CI shall provide the SDSRV CI the capability to close files on staging devices in the WKSHW CI.
			S-DSS-21060	A	The STMGT CI shall provide the SDSRV CI the capability to write information into files on staging devices in the WKSHW CI.
			S-DSS-21070	A	The STMGT CI shall provide the SDSRV CI the capability to read information from files on staging devices in the WKSHW CI.
			S-DSS-21080	A	The STMGT CI shall provide the SDSRV CI the capability to delete files on staging devices in the WKSHW CI.
			S-DSS-21090	A	The STMGT CI shall provide the SDSRV CI the capability to rename files on staging devices in the WKSHW CI.
			S-DSS-21100	A	The STMGT CI shall provide the SDSRV CI the capability to obtain information concerning files on staging devices in the WKSHW CI. Note: File info. includes file name, size, type, organization, creation date, protections, owner, last access time and id of last entity to access file.
			S-DSS-30010	A	The DDIST CI shall accept Electronic Distribution Requests or Media Distribution Requests.
			S-DSS-30040	A	The DDIST CI shall log the following on the Distribution Activity Log whenever an Electronic Distribution Request fails validation: User Identifier, Request Identifier, Date and Time, and an explanation of the failure.
			S-DSS-30045	A	The DDIST CI shall send Notifications to users via email in the event that the request is canceled by operations staff and the user has an active session.
			S-DSS-30046	A	The DDIST CI shall send Notifications to the user's desktop application in the event that the request is canceled by operations staff and the user has an active session.
			S-DSS-30050	A	The DDIST CI shall send a Notification to the source of the request if an Electronic Distribution Request fails validation.
			S-DSS-30070	A	The DDIST CI shall log a Distribution Failure Message whenever a Media Distribution Request fails validation.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-30080	A	The DDIST CI shall send a Notification to the source of the request if a Media Distribution Request fails validation.
			S-DSS-30020	A	Distribution Requests shall have the format described in Appendix A of the current version of 304-CD-002 for Release A and as specified in Appendix K of the current version of 304-CD-005 for Release B.
			S-DSS-30030	A	The DDIST CI shall validate each Electronic Distribution Request and verify that the format conforms to that specified in Appendix A of the current version of 304-CD-002 for Release A and as specified in Appendix K of the current version of 304-CD-005 for Release B.
			S-DSS-30060	A	The DDIST CI shall validate each Media Distribution Request and verify that it conforms to the format specified in Appendix A of the current version of 304-CD-002 for Release A and as specified in Appendix K of the current version of 304-CD-005 for Release B.
DADS2430#A	Each DADS shall be capable of distributing any data granule stored in the archive.		S-DSS-04120	A	The SDSRV CI shall supply instrument characterization data to the DDIST CI.
			S-DSS-20040	A	The STMGT CI shall accept Retrieve Requests for data. Each Retrieve Request shall include the granule id(s) for the data. Granule id was assigned when granule was originally archived. The granule id serves as a unique data identifier.
			S-DSS-20050	A	The STMGT CI shall check each Retrieve Request it receives for correct type of data in all fields. Fields that shall be checked include Request Identifier, date of request, date and time for requested data, Priority Information, and data type.
			S-DSS-20980	A	The STMGT CI shall provide the SDSRV CI the capability to open files on archive storage media in the DRPHW CI.
			S-DSS-20985	A	The STMGT CI shall provide the SDSRV CI the capability to open files on archive storage media in the WKSHW CI.
			S-DSS-20990	A	The STMGT CI shall provide the SDSRV CI the capability to close files on archive storage media in the DRPHW CI.
			S-DSS-20995	A	The STMGT CI shall provide the SDSRV CI the capability to close files on archive storage media in the WKSHW CI.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-21000	A	The STMGT CI shall provide the SDSRV CI the capability to read information from files on archive storage media in the DRPHW CI.
			S-DSS-21005	A	The STMGT CI shall provide the SDSRV CI the capability to read information from files on archive storage media in the WKSHW CI.
			S-DSS-21010	A	The STMGT CI shall provide the SDSRV CI the capability to write information into files on archive storage media in the DRPHW CI.
			S-DSS-21015	A	The STMGT CI shall provide the SDSRV CI the capability to write information into files on archive storage media in the WKSHW CI.
			S-DSS-21020	A	The STMGT CI shall provide the SDSRV CI the capability to allocate archive storage devices for Service Request processing in the DRPHW CI.
			S-DSS-21025	A	The STMGT CI shall provide the SDSRV CI the capability to allocate archive storage devices for Service Request processing in the WKSHW CI.
			S-DSS-21030	A	The STMGT CI shall provide the SDSRV CI the capability to deallocate archive storage devices in the DRPHW CI.
			S-DSS-21035	A	The STMGT CI shall provide the SDSRV CI the capability to deallocate archive storage devices in the DRPHW CI.
			S-DSS-21040	A	The STMGT CI shall provide the SDSRV CI the capability to open files on staging devices in the WKSHW CI.
			S-DSS-21050	A	The STMGT CI shall provide the SDSRV CI the capability to close files on staging devices in the WKSHW CI.
			S-DSS-21060	A	The STMGT CI shall provide the SDSRV CI the capability to write information into files on staging devices in the WKSHW CI.
			S-DSS-21070	A	The STMGT CI shall provide the SDSRV CI the capability to read information from files on staging devices in the WKSHW CI.
			S-DSS-21080	A	The STMGT CI shall provide the SDSRV CI the capability to delete files on staging devices in the WKSHW CI.
			S-DSS-21090	A	The STMGT CI shall provide the SDSRV CI the capability to rename files on staging devices in the WKSHW CI.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-21100	A	The STMGT CI shall provide the SDSRV CI the capability to obtain information concerning files on staging devices in the WKSHW CI. Note: File info. includes file name, size, type, organization, creation date, protections, owner, last access time and id of last entity to access file.
			S-DSS-30710	A	The DDIST CI shall provide the capability to distribute any Data , or appropriate subset, listed in the Inventory. Note: The appropriate subset of a data item is determined by and depends on the subject data type.
DADS2430#B	Each DADS shall be capable of distributing any data granule stored in the archive.		S-DSS-04120	A	The SDSRV CI shall supply instrument characterization data to the DDIST CI.
			S-DSS-20040	A	The STMGT CI shall accept Retrieve Requests for data. Each Retrieve Request shall include the granule id(s) for the data. Granule id was assigned when granule was originally archived. The granule id serves as a unique data identifier.
			S-DSS-20050	A	The STMGT CI shall check each Retrieve Request it receives for correct type of data in all fields. Fields that shall be checked include Request Identifier, date of request, date and time for requested data, Priority Information, and data type.
			S-DSS-20980	A	The STMGT CI shall provide the SDSRV CI the capability to open files on archive storage media in the DRPHW CI.
			S-DSS-20985	A	The STMGT CI shall provide the SDSRV CI the capability to open files on archive storage media in the WKSHW CI.
			S-DSS-20990	A	The STMGT CI shall provide the SDSRV CI the capability to close files on archive storage media in the DRPHW CI.
			S-DSS-20995	A	The STMGT CI shall provide the SDSRV CI the capability to close files on archive storage media in the WKSHW CI.
			S-DSS-21000	A	The STMGT CI shall provide the SDSRV CI the capability to read information from files on archive storage media in the DRPHW CI.
			S-DSS-21005	A	The STMGT CI shall provide the SDSRV CI the capability to read information from files on archive storage media in the WKSHW CI.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-21010	A	The STMGT CI shall provide the SDSRV CI the capability to write information into files on archive storage media in the DRPHW CI.
			S-DSS-21015	A	The STMGT CI shall provide the SDSRV CI the capability to write information into files on archive storage media in the WKSHW CI.
			S-DSS-21020	A	The STMGT CI shall provide the SDSRV CI the capability to allocate archive storage devices for Service Request processing in the DRPHW CI.
			S-DSS-21025	A	The STMGT CI shall provide the SDSRV CI the capability to allocate archive storage devices for Service Request processing in the WKSHW CI.
			S-DSS-21030	A	The STMGT CI shall provide the SDSRV CI the capability to deallocate archive storage devices in the DRPHW CI.
			S-DSS-21035	A	The STMGT CI shall provide the SDSRV CI the capability to deallocate archive storage devices in the DRPHW CI.
			S-DSS-21040	A	The STMGT CI shall provide the SDSRV CI the capability to open files on staging devices in the WKSHW CI.
			S-DSS-21050	A	The STMGT CI shall provide the SDSRV CI the capability to close files on staging devices in the WKSHW CI.
			S-DSS-21060	A	The STMGT CI shall provide the SDSRV CI the capability to write information into files on staging devices in the WKSHW CI.
			S-DSS-21070	A	The STMGT CI shall provide the SDSRV CI the capability to read information from files on staging devices in the WKSHW CI.
			S-DSS-21080	A	The STMGT CI shall provide the SDSRV CI the capability to delete files on staging devices in the WKSHW CI.
			S-DSS-21090	A	The STMGT CI shall provide the SDSRV CI the capability to rename files on staging devices in the WKSHW CI.
			S-DSS-21100	A	The STMGT CI shall provide the SDSRV CI the capability to obtain information concerning files on staging devices in the WKSHW CI. Note: File info. includes file name, size, type, organization, creation date, protections, owner, last access time and id of last entity to access file.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-30710	A	The DDIST CI shall provide the capability to distribute any Data , or appropriate subset, listed in the Inventory. Note: The appropriate subset of a data item is determined by and depends on the subject data type.
			S-DSS-04080	B	The SDSRV CI shall supply FDF orbit data for AM-1 instruments packages to the DDIST CI.
			S-DSS-04082	B	The SDSRV CI shall supply FDF attitude data for AM-1 instruments packages to the DDIST CI.
			S-DSS-04180	B	The SDSRV CI shall supply Orbit/Attitude Data to the DDIST CI.
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		S-DSS-00050	A	The SDSRV CI shall process each Service Request on the basis of Priority Information specified in the Service Request.
			S-DSS-00051	A	The SDSRV CI shall verify that each Service Request has valid Priority Information.
			S-DSS-00055	A	The SDSRV CI shall initiate the processing of Service Requests of equal priority in the order in which they are received.
			S-DSS-30090	A	The DDIST CI shall provide the capability to prioritize requests for data based on whether the request is an Electronic Distribution Request or a Media Distribution Request.
DADS2450#A	Each DADS shall distribute data to elements of EOSDIS and approved non-EOSDIS data destinations.	This requirment is supported as follows: Ir1 shall process requests for archived TRMM data for the purpose of testing the TSDIS interface, only. Ir1 provides no capability to retrieve data from an archive.	S-DSS-30710	A	The DDIST CI shall provide the capability to distribute any Data , or appropriate subset, listed in the Inventory. Note: The appropriate subset of a data item is determined by and depends on the subject data type.
DADS2450#B	Each DADS shall distribute data to elements of EOSDIS and approved non-EOSDIS data destinations.		S-DSS-30710	A	The DDIST CI shall provide the capability to distribute any Data , or appropriate subset, listed in the Inventory. Note: The appropriate subset of a data item is determined by and depends on the subject data type.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS2450#Ir1	Each DADS shall distribute data to elements of EOSDIS and approved non-EOSDIS data destinations.	This requirment is supported as follows: Ir1 shall process requests for archived TRMM data for the purpose of testing the TSDIS interface, only. Ir1 provides no capability to retrieve data from an archive.	S-DSS-00010	IR1	The SDSRV CI shall accept Data Requests for Data that is managed within the STMGT CI.
			S-DSS-00020	IR1	The SDSRV CI shall accept Service Requests from clients.
			S-DSS-00060	IR1	The SDSRV CI shall acknowledge the receipt of Service Requests from local and remote clients.
			S-DSS-00095	IR1	The SDSRV CI shall return a Reject Notification if a Service Request fails validation.
			S-DSS-01070	IR1	The SDSRV CI shall respond to a Data Request with a response that shall contain a status and a pointer to the data.
			S-DSS-01400	IR1	The SDSRV CI shall log the termination of the processing of a Service Request.
			S-DSS-01405	IR1	The SDSRV CI shall log the termination of client session.
			S-DSS-01430	IR1	The SDSRV CI shall log the initiation of the processing of a Service Request.
			S-DSS-01760	IR1	The SDSRV CI shall log all reported error conditions.
DADS2460#A	Each DADS shall have a manual override function capable of altering the priority of a distribution request.		S-DSS-30100	A	The DDIST CI shall provide operations staff the capability to change the Priority Information for a Distribution Request before the processing of the request has begun.
DADS2460#B	Each DADS shall have a manual override function capable of altering the priority of a distribution request.		S-DSS-30100	A	The DDIST CI shall provide operations staff the capability to change the Priority Information for a Distribution Request before the processing of the request has begun.
DADS2470#B	Each DADS shall transfer Standard Products and subsetted, subsampled, or summary data to the requester.				
DADS2480#A	Each DADS shall distribute data based upon entries in the standing and the retrospective order distribution list.	A: TRMM - CERES, LIS	S-DSS-01490	A	The SDSRV CI shall process Subscription Requests at the occurrence of the specified event.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-01500	A	In the event that more than one Subscription is linked to a single event, the SDSRV CI shall process the actions defined in the Subscriptions on a first-come, first-serve basis.
			S-DSS-30180	A	The DDIST CI shall process queued Distribution Requests in prioritized order.
DADS2480#B	Each DADS shall distribute data based upon entries in the standing and the retrospective order distribution list.		S-DSS-01490	A	The SDSRV CI shall process Subscription Requests at the occurrence of the specified event.
			S-DSS-01500	A	In the event that more than one Subscription is linked to a single event, the SDSRV CI shall process the actions defined in the Subscriptions on a first-come, first-serve basis.
			S-DSS-30180	A	The DDIST CI shall process queued Distribution Requests in prioritized order.
DADS2490#A	Each DADS shall distribute data using a variety of approved high density storage media such as : a. 8 mm tape b. 4 mm DAT c. 3480/3490 tape d. CD ROM e. 6250 tape		S-DSS-30440	A	The DDIST CI shall provide the capability to distribute on 8mm tape.
			S-DSS-30470	A	The DDIST CI shall provide the capability to distribute on CD ROM.
			S-DSS-30480	A	The DDIST CI shall provide the capability to distribute on 6250 tape.
			S-DSS-30450	A	The DDIST CI shall provide the capability to distribute on 4mm tape.
DADS2490#B	Each DADS shall distribute data using a variety of approved high density storage media such as : a. 8 mm tape b. 4 mm DAT c. 3480/3490 tape d. CD ROM e. 6250 tape		S-DSS-30440	A	The DDIST CI shall provide the capability to distribute on 8mm tape.
			S-DSS-30470	A	The DDIST CI shall provide the capability to distribute on CD ROM.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-30480	A	The DDIST CI shall provide the capability to distribute on 6250 tape.
			S-DSS-30460	B	The DDIST CI shall provide the capability to distribute on 3480/3490 tape.
			S-DSS-30450	A	The DDIST CI shall provide the capability to distribute on 4mm tape.
DADS2510#A	Each DADS shall copy data to the class of physical media specified in the product order from the IMS.		S-DSS-30070	A	The DDIST CI shall log a Distribution Failure Message whenever a Media Distribution Request fails validation.
			S-DSS-30080	A	The DDIST CI shall send a Notification to the source of the request if a Media Distribution Request fails validation.
			S-DSS-30730	A	The DDIST CI shall provide the capability for operations staff to manually load media into the peripheral devices.
			S-DSS-30740	A	The DDIST CI shall provide the capability for operations staff to manually unload media from the peripheral devices.
			S-DSS-30060	A	The DDIST CI shall validate each Media Distribution Request and verify that it conforms to the format specified in Appendix A of the current version of 304-CD-002 for Release A and as specified in Appendix K of the current version of 304-CD-005 for Release B.
DADS2510#B	Each DADS shall copy data to the class of physical media specified in the product order from the IMS.		S-DSS-30070	A	The DDIST CI shall log a Distribution Failure Message whenever a Media Distribution Request fails validation.
			S-DSS-30080	A	The DDIST CI shall send a Notification to the source of the request if a Media Distribution Request fails validation.
			S-DSS-30730	A	The DDIST CI shall provide the capability for operations staff to manually load media into the peripheral devices.
			S-DSS-30740	A	The DDIST CI shall provide the capability for operations staff to manually unload media from the peripheral devices.
			S-DSS-30060	A	The DDIST CI shall validate each Media Distribution Request and verify that it conforms to the format specified in Appendix A of the current version of 304-CD-002 for Release A and as specified in Appendix K of the current version of 304-CD-005 for Release B.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS2530#A	The DADS shall be capable of distributing by physical media to meet user demand.		S-DSS-30440	A	The DDIST CI shall provide the capability to distribute on 8mm tape.
			S-DSS-30470	A	The DDIST CI shall provide the capability to distribute on CD ROM.
			S-DSS-30480	A	The DDIST CI shall provide the capability to distribute on 6250 tape.
			S-DSS-30490	A	If an uncorrectable error occurs while writing to distribution media, the operation shall be aborted and a new piece of media automatically requested from operations staff.
			S-DSS-30640	A	The DDIST CI shall provide the capability for operations staff to change the state (on-line vs. off-line) of a peripheral device that is used for distribution.
			S-DSS-30650	A	The DDIST CI shall provide the capability for operations staff to display the state (on-line vs. off-line) of peripheral distribution devices.
			S-DSS-30660	A	In the event of media failure (i.e., tape breaks), the DDIST CI shall provide the capability to restart the distribution on a new piece of media.
			S-DSS-30705	A	For physical media distributions, DDIST CI shall generate a packing list describing the data on the media.
			S-DSS-30450	A	The DDIST CI shall provide the capability to distribute on 4mm tape.
DADS2530#B	The DADS shall be capable of distributing by physical media to meet user demand.		S-DSS-30440	A	The DDIST CI shall provide the capability to distribute on 8mm tape.
			S-DSS-30470	A	The DDIST CI shall provide the capability to distribute on CD ROM.
			S-DSS-30480	A	The DDIST CI shall provide the capability to distribute on 6250 tape.
			S-DSS-30490	A	If an uncorrectable error occurs while writing to distribution media, the operation shall be aborted and a new piece of media automatically requested from operations staff.
			S-DSS-30640	A	The DDIST CI shall provide the capability for operations staff to change the state (on-line vs. off-line) of a peripheral device that is used for distribution.
			S-DSS-30650	A	The DDIST CI shall provide the capability for operations staff to display the state (on-line vs. off-line) of peripheral distribution devices.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-30660	A	In the event of media failure (i.e., tape breaks), the DDIST CI shall provide the capability to restart the distribution on a new piece of media.
			S-DSS-30705	A	For physical media distributions, DDIST CI shall generate a packing list describing the data on the media.
			S-DSS-30460	B	The DDIST CI shall provide the capability to distribute on 3480/3490 tape.
			S-DSS-30500	B	If the number of correctable errors exceed a system threshold for a piece of media, the DDIST CI shall abort the operation and automatically request a new piece of media from operations staff.
			S-DSS-30510	B	Operations staff shall have the capability to specify a threshold of correctable errors for each type of distribution media.
			S-DSS-30690	B	For physical media distributions, the DDIST CI shall generate a physical "media label" that operations staff can apply to the media, and shall associate the individual piece of media with any other media in the distribution.
			S-DSS-30700	B	For physical media distributions, the DDIST CI shall generate a physical "shipping label" that operations staff can affix to the shipping container and indicates the destination of the media.
			S-DSS-30450	A	The DDIST CI shall provide the capability to distribute on 4mm tape.
DADS2580#A	Each DADS shall distribute data electronically using a variety of networks and methods including FAX.		S-DSS-30010	A	The DDIST CI shall accept Electronic Distribution Requests or Media Distribution Requests.
			S-DSS-30040	A	The DDIST CI shall log the following on the Distribution Activity Log whenever an Electronic Distribution Request fails validation: User Identifier, Request Identifier, Date and Time, and an explanation of the failure.
			S-DSS-30045	A	The DDIST CI shall send Notifications to users via email in the event that the request is canceled by operations staff and the user has an active session.
			S-DSS-30046	A	The DDIST CI shall send Notifications to the user's desktop application in the event that the request is canceled by operations staff and the user has an active session.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-30050	A	The DDIST CI shall send a Notification to the source of the request if an Electronic Distribution Request fails validation.
			S-DSS-30520	A	The DDIST CI shall provide the capability to place Data in publicly available disks for users to "pull" the data, via ftp, at their discretion.
			S-DSS-30530	A	The DDIST CI shall provide the capability to limit access to Data in the user pull area to the science user and the operations staff.
			S-DSS-30540	A	The DDIST CI shall monitor the percentage of space utilized in the user pull area.
			S-DSS-30550	A	The DDIST CI shall provide a mechanism for operations staff to view/display the percentage of space utilized in the user pull area.
			S-DSS-30560	A	The DDIST CI shall notify operations staff if the percent utilization in the user pull area exceeds a specified threshold.
			S-DSS-30570	A	When Data is placed in the user pull area, requesting user shall be notified that the Data is available for a limited time.
			S-DSS-30575	A	The DDIST CI shall notify operations staff when the time limit has expired for Data in the user pull area.
			S-DSS-30580	A	The DDIST CI shall, after operator confirmation, delete expired Data from the user pull area.
			S-DSS-30585	A	Operations staff shall be able to turn off the function of operator confirmation associated with the automatic deletion of Data in the user pull area.
			S-DSS-30600	A	The DDIST CI shall provide the capability to distribute Data electronically via ftp (push).
			S-DSS-30750	A	The DDIST CI shall provide the capability for the operations staff to specify a percent utilization threshold for the user pull area above which operations staff will be notified.
			S-DSS-30020	A	Distribution Requests shall have the format described in Appendix A of the current version of 304-CD-002 for Release A and as specified in Appendix K of the current version of 304-CD-005 for Release B.
			S-DSS-30030	A	The DDIST CI shall validate each Electronic Distribution Request and verify that the format conforms to that specified in Appendix A of the current version of 304-CD-002 for Release A and as specified in Appendix K of the current version of 304-CD-005 for Release B.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS2580#B	Each DADS shall distribute data electronically using a variety of networks and methods including FAX.		S-DSS-30010	A	The DDIST CI shall accept Electronic Distribution Requests or Media Distribution Requests.
			S-DSS-30040	A	The DDIST CI shall log the following on the Distribution Activity Log whenever an Electronic Distribution Request fails validation: User Identifier, Request Identifier, Date and Time, and an explanation of the failure.
			S-DSS-30045	A	The DDIST CI shall send Notifications to users via email in the event that the request is canceled by operations staff and the user has an active session.
			S-DSS-30046	A	The DDIST CI shall send Notifications to the user's desktop application in the event that the request is canceled by operations staff and the user has an active session.
			S-DSS-30050	A	The DDIST CI shall send a Notification to the source of the request if an Electronic Distribution Request fails validation.
			S-DSS-30520	A	The DDIST CI shall provide the capability to place Data in publicly available disks for users to "pull" the data, via ftp, at their discretion.
			S-DSS-30530	A	The DDIST CI shall provide the capability to limit access to Data in the user pull area to the science user and the operations staff.
			S-DSS-30540	A	The DDIST CI shall monitor the percentage of space utilized in the user pull area.
			S-DSS-30550	A	The DDIST CI shall provide a mechanism for operations staff to view/display the percentage of space utilized in the user pull area.
			S-DSS-30560	A	The DDIST CI shall notify operations staff if the percent utilization in the user pull area exceeds a specified threshold.
			S-DSS-30570	A	When Data is placed in the user pull area, requesting user shall be notified that the Data is available for a limited time.
			S-DSS-30575	A	The DDIST CI shall notify operations staff when the time limit has expired for Data in the user pull area.
			S-DSS-30580	A	The DDIST CI shall, after operator confirmation, delete expired Data from the user pull area.

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-30585	A	Operations staff shall be able to turn off the function of operator confirmation associated with the automatic deletion of Data in the user pull area.
			S-DSS-30600	A	The DDIST CI shall provide the capability to distribute Data electronically via ftp (push).
			S-DSS-30750	A	The DDIST CI shall provide the capability for the operations staff to specify a percent utilization threshold for the user pull area above which operations staff will be notified.
			S-DSS-30620	B	The DDIST CI shall provide the capability to distribute documents electronically via FAX transmissions.
			S-DSS-30020	A	Distribution Requests shall have the format described in Appendix A of the current version of 304-CD-002 for Release A and as specified in Appendix K of the current version of 304-CD-005 for Release B.
			S-DSS-30030	A	The DDIST CI shall validate each Electronic Distribution Request and verify that the format conforms to that specified in Appendix A of the current version of 304-CD-002 for Release A and as specified in Appendix K of the current version of 304-CD-005 for Release B.
DADS2675#A	Each DADS shall maintain a log of all transmission problems, take internal corrective action, and notify SMC when network performance begins to impact distribution effort adversely.		S-DSS-30295	A	The DDIST CI shall alert operations staff when electronic transmission problems are encountered.
			S-DSS-30330	A	If the DDIST CI is unable to distribute data electronically, the User Identifier, the list of data, and the reason for the failure will be logged.
			S-DSS-30670	A	If an electronic push distribution fails, DDIST CI shall make a system defined number of additional attempts before aborting the transmission and notifying the originator of the failure. These additional attempts shall be included in the Distribution Activity Log.
			S-DSS-30680	A	The DDIST CI shall provide the capability for operations staff to change the system defined number of additional attempts for re-transmission.
DADS2675#B	Each DADS shall maintain a log of all transmission problems, take internal corrective action, and notify SMC when network performance begins to impact distribution effort adversely.		S-DSS-30295	A	The DDIST CI shall alert operations staff when electronic transmission problems are encountered.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-30330	A	If the DDIST CI is unable to distribute data electronically, the User Identifier, the list of data, and the reason for the failure will be logged.
			S-DSS-30670	A	If an electronic push distribution fails, DDIST CI shall make a system defined number of additional attempts before aborting the transmission and notifying the originator of the failure. These additional attempts shall be included in the Distribution Activity Log.
			S-DSS-30680	A	The DDIST CI shall provide the capability for operations staff to change the system defined number of additional attempts for re-transmission.
			S-DSS-30296	B	The DDIST CI shall alert SMC when electronic transmission problems are encountered.
DADS2770#A	Upon receipt and approval of a request, the designated DADS shall make stored data products available for delivery to the requester within 24 hours for data distributed on physical media.		S-DSS-01860	A	The Science Data Server shall support making stored Data Products available on physical media within 24 hours of receipt of a Media Distribution Request.
			S-DSS-10340	A	The Document Data Server shall support making stored documents available on physical media within 24 hours of receipt of a Media Distribution Request.
			S-DSS-21500	A	The Science Management within the Data Server shall support making stored Data Products available on physical media within 24 hours
			S-DSS-30800	A	The Data Distribution within the Data Server shall support making stored products available on physical media within 24 hours.
			S-DSS-30950	A	The DIPHW CI shall be sized to temporarily store the total number of bytes of distribution data derived from Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-30960	A	The DIPHW CI shall be sized to support a sustained I/O rate of 1x the production volume for media distribution, where 1x production volume is derived from Section E.1 of, Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS2770#B	Upon receipt and approval of a request, the designated DADS shall make stored data products available for delivery to the requester within 24 hours for data distributed on physical media.		S-DSS-01860	A	The Science Data Server shall support making stored Data Products available on physical media within 24 hours of receipt of a Media Distribution Request.
			S-DSS-10340	A	The Document Data Server shall support making stored documents available on physical media within 24 hours of receipt of a Media Distribution Request.
			S-DSS-21500	A	The Science Management within the Data Server shall support making stored Data Products available on physical media within 24 hours
			S-DSS-30800	A	The Data Distribution within the Data Server shall support making stored products available on physical media within 24 hours.
			S-DSS-30950	A	The DIPHW CI shall be sized to temporarily store the total number of bytes of distribution data derived from Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-30960	A	The DIPHW CI shall be sized to support a sustained I/O rate of 1x the production volume for media distribution, where 1x production volume is derived from Section E.1 of, Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
DADS2778#A	Each DADS shall be capable of receiving and archiving three days' worth of data (see Appendix C) in any given day.	A: TRMM rates only	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 of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-21710	A	The WKSHW CI shall be sized to support a sustained I/O rate derived from Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B in bytes/second of data.
			S-DSS-21720	A	The DRPHW CI shall be sized to support a sustained I/O rate of 1x the production volume from electronic distribution, where 1x production volume is derived from Section E.1 of, Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-01930	A	The Science Data Server and Science Management within the Data Server shall be capable of accepting and storing Data Products derived from Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B from the PRONG CI while supporting standard product retrieval and browse data access loads.
			S-DSS-01940	A	The Science Data Server and Science Management within the Data Server shall be capable of ingesting product data at a maximum rate (three times the nominal rate derived from the number of bytes per day specified in Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B from the PRONG CI until the backlog is processed, while standard product retrieval and browse data access loads are suspended.
			S-DSS-10360	A	The Document Data Server shall be capable of accepting and storing documents and related data at a nominal rate derived from Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B from external clients while supporting standard data retrieval and access loads.
			S-INS-01000	A	The ICLHW CI at the LaRC DAAC shall be capable of ingesting data from the SDPF at a maximum daily rate that is three times the nominal rate specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A.
			S-INS-01060	A	The ICLHW CI at the MSFC DAAC shall be capable of ingesting data from the SDPF at a maximum daily rate that is three times the nominal rate specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A.
			S-INS-60750	A	The ICLHW CI at the GSFC DAAC shall be sized to temporarily store ingest data to support early testing of the EDOS interface.
			S-INS-60755	A	The ICLHW CI at the LaRC DAAC shall be sized to temporarily store two times the daily volume of SDPF data as specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-60760	A	The ICLHW CI at the MSFC DAAC shall be sized to temporarily store two times the daily volume of SDPF data as specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A.
DADS2778#B	Each DADS shall be capable of receiving and archiving three days' worth of data (see Appendix C) in any given day.	B: TRMM, AM-1, and Landsat-7	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 of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-21710	A	The WKSHW CI shall be sized to support a sustained I/O rate derived from Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B in bytes/second of data.
			S-DSS-21720	A	The DRPHW CI shall be sized to support a sustained I/O rate of 1x the production volume from electronic distribution, where 1x production volume is derived from Section E.1 of, Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-01930	A	The Science Data Server and Science Management within the Data Server shall be capable of accepting and storing Data Products derived from Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B from the PRONG CI while supporting standard product retrieval and browse data access loads.
			S-DSS-01940	A	The Science Data Server and Science Management within the Data Server shall be capable of ingesting product data at a maximum rate (three times the nominal rate derived from the number of bytes per day specified in Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B from the PRONG CI until the backlog is processed, while standard product retrieval and browse data access loads are suspended.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-10360	A	The Document Data Server shall be capable of accepting and storing documents and related data at a nominal rate derived from Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B from external clients while supporting standard data retrieval and access loads.
			S-INS-60750	A	The ICLHW CI at the GSFC DAAC shall be sized to temporarily store ingest data to support early testing of the EDOS interface.
			S-INS-60755	A	The ICLHW CI at the LaRC DAAC shall be sized to temporarily store two times the daily volume of SDPF data as specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A.
			S-INS-60760	A	The ICLHW CI at the MSFC DAAC shall be sized to temporarily store two times the daily volume of SDPF data as specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A.
			S-INS-60772	B	The ICLHW CI at the JPL DAAC shall be sized to temporarily store the volume of ADEOS II data as specified in Appendix E (Section E.1, Table E-1, Section E.2 Table E-2, and Section E.3 Tables E-3a and E-3b) of the current version of 304-CD-005.
			S-INS-61010	B	The ICLHW CI at the GSFC DAAC shall be capable of ingesting data from the EDOS at a maximum daily rate that is three times the nominal rate specified in Appendix E (Section E.1, Table E-1, Section E.2 Table E-2, and Section E.3 Tables E-3a and E-3b) of the current version of 304-CD-005.
			S-INS-61025	B	The ICLHW CI at the LaRC DAAC shall be capable of ingesting data from the EDOS at a maximum daily rate that is three times the nominal rate specified in Appendix E (Section E.1, Table E-1, Section E.2 Table E-2, and Section E.3 Tables E-3a and E-3b) of the current version of 304-CD-005.
			S-INS-60751	B	The ICLHW CI at the GSFC DAAC shall be sized to temporarily store the volume of EDOS data as specified in Appendix E (Section E.1 Table E-1, Section E.2 Table E-2, and Section E.3 Tables E-3a and E-3b) of the current version of 304-CD-005.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-60756	B	The ICLHW CI at the LaRC DAAC shall be sized to temporarily store the volume of EDOS data as specified in Appendix E (Section E.1 Table E-1, Section E.2 Table E-2, and Section E.3 Tables E-3a and E-3b) of the current version of 304-CD-005.
			S-INS-60771	B	The ICLHW CI at the JPL DAAC shall be sized to temporarily store the volume of ALT-RADAR data as specified in Appendix E (Section E.1 Table E-1, Section E.2 Table E-2, and Section E.3 Tables E-3a and E-3b) of the current version of 304-CD-005.
DADS2780#A	Each DADS shall be capable of ingesting data at the maximum output bandwidth of the EDOS.	A: Interface testing only.	S-INS-00870	A	The ICLHW CI at the GSFC DAAC shall be capable of ingesting data .for EDOS/ECOM interface testing.
			S-INS-00880	A	The ICLHW CI at the LaRC DAAC shall be capable of ingesting data for EDOS/ECOM interface testing.
			S-INS-60750	A	The ICLHW CI at the GSFC DAAC shall be sized to temporarily store ingest data to support early testing of the EDOS interface.
			S-INS-60755	A	The ICLHW CI at the LaRC DAAC shall be sized to temporarily store two times the daily volume of SDPF data as specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A.
			S-INS-60760	A	The ICLHW CI at the MSFC DAAC shall be sized to temporarily store two times the daily volume of SDPF data as specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A.
DADS2780#B	Each DADS shall be capable of ingesting data at the maximum output bandwidth of the EDOS.		S-INS-00870	A	The ICLHW CI at the GSFC DAAC shall be capable of ingesting data .for EDOS/ECOM interface testing.
			S-INS-00880	A	The ICLHW CI at the LaRC DAAC shall be capable of ingesting data for EDOS/ECOM interface testing.
			S-INS-60750	A	The ICLHW CI at the GSFC DAAC shall be sized to temporarily store ingest data to support early testing of the EDOS interface.
			S-INS-60755	A	The ICLHW CI at the LaRC DAAC shall be sized to temporarily store two times the daily volume of SDPF data as specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-60760	A	The ICLHW CI at the MSFC DAAC shall be sized to temporarily store two times the daily volume of SDPF data as specified in Table E-3 of Appendix E of the current version of 304-CD-002 for Release A.
			S-INS-60772	B	The ICLHW CI at the JPL DAAC shall be sized to temporarily store the volume of ADEOS II data as specified in Appendix E (Section E.1, Table E-1, Section E.2 Table E-2, and Section E.3 Tables E-3a and E-3b) of the current version of 304-CD-005.
			S-INS-61000	B	The ICLHW CI at the GSFC DAAC shall be capable of ingesting data from the EDOS at the nominal daily rate specified in Appendix E (Section E.1, Table E-1, Section E.2 Table E-2, and Section E.3 Tables E-3a and E-3b) of the current version of 304-CD-005.
			S-INS-61020	B	The ICLHW CI at the LaRC DAAC shall be capable of ingesting data from the EDOS at the nominal daily rate specified in Appendix E (Section E.1, Table E-1, Section E.2 Table E-2, and Section E.3 Tables E-3a and E-3b) of the current version of 304-CD-005.
			S-INS-61115	B	The ICLHW CI at the JPL DAAC shall be capable of ingesting data from ADEOS II at the nominal daily rate specified in Appendix E (Section E.1 Table E-1, Section E.2 Table E-2, and Section E.3 Tables E-3a and E-3b) of the current version of 304-CD-005.
			S-INS-60751	B	The ICLHW CI at the GSFC DAAC shall be sized to temporarily store the volume of EDOS data as specified in Appendix E (Section E.1 Table E-1, Section E.2 Table E-2, and Section E.3 Tables E-3a and E-3b) of the current version of 304-CD-005.
			S-INS-60756	B	The ICLHW CI at the LaRC DAAC shall be sized to temporarily store the volume of EDOS data as specified in Appendix E (Section E.1 Table E-1, Section E.2 Table E-2, and Section E.3 Tables E-3a and E-3b) of the current version of 304-CD-005.
			S-INS-60771	B	The ICLHW CI at the JPL DAAC shall be sized to temporarily store the volume of ALT-RADAR data as specified in Appendix E (Section E.1 Table E-1, Section E.2 Table E-2, and Section E.3 Tables E-3a and E-3b) of the current version of 304-CD-005.
DADS2900#A	Each DADS shall provide archival capacity for current volume requirements plus one year. Volume requirements are specified in Appendix C.		S-DSS-21700	A	The WKSHW CI shall be sized to temporarily store the number of bytes of data derived from Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-21710	A	The WKSHW CI shall be sized to support a sustained I/O rate derived from Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B in bytes/second of data.
			S-DSS-21720	A	The DRPHW CI shall be sized to support a sustained I/O rate of 1x the production volume from electronic distribution, where 1x production volume is derived from Section E.1 of, Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-21730	A	The DRPHW CI shall be sized to permanently store and maintain the total number of bytes of product data derived from Appendix E (Section E.1) of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-21740	A	The DRPHW CI shall be sized to permanently store and maintain the total number of bytes of record based data derived from Appendix E (Section E.1) of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-21570	A	The Science Management within the Data Server shall have the capacity to archive the total bytes of data derived from Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
DADS2900#B	Each DADS shall provide archival capacity for current volume requirements plus one year. Volume requirements are specified in Appendix C.		S-DSS-21700	A	The WKSHW CI shall be sized to temporarily store the number of bytes of data derived from Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-21710	A	The WKSHW CI shall be sized to support a sustained I/O rate derived from Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B in bytes/second of data.
			S-DSS-21720	A	The DRPHW CI shall be sized to support a sustained I/O rate of 1x the production volume from electronic distribution, where 1x production volume is derived from Section E.1 of, Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-21730	A	The DRPHW CI shall be sized to permanently store and maintain the total number of bytes of product data derived from Appendix E (Section E.1) of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-21740	A	The DRPHW CI shall be sized to permanently store and maintain the total number of bytes of record based data derived from Appendix E (Section E.1) of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-21570	A	The Science Management within the Data Server shall have the capacity to archive the total bytes of data derived from Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
DADS2910#A	Archival storage at each DADS shall be field-expandable.		S-DSS-20590	A	The STMGT CI shall provide archival storage which is field-expandable. Field-expandable is defined as increasing the capacity or size of archive storage without removing archive storage device from site.
DADS2910#B	Archival storage at each DADS shall be field-expandable.		S-DSS-20590	A	The STMGT CI shall provide archival storage which is field-expandable. Field-expandable is defined as increasing the capacity or size of archive storage without removing archive storage device from site.
DADS2950#A	In case of failure of the automated system, archive media must be capable of being manually mounted at each DADS.		S-DSS-20100	A	The STMGT CI shall provide operations staff personnel the capability to manually access archive media resident in storage devices.
			S-DSS-20130	A	The STMGT CI shall provide operations staff the capability to manually dismount archive media.
			S-DSS-20140	A	The STMGT CI shall provide operations staff the capability to manually mount archive media.
DADS2950#B	In case of failure of the automated system, archive media must be capable of being manually mounted at each DADS.		S-DSS-20100	A	The STMGT CI shall provide operations staff personnel the capability to manually access archive media resident in storage devices.
			S-DSS-20130	A	The STMGT CI shall provide operations staff the capability to manually dismount archive media.
			S-DSS-20140	A	The STMGT CI shall provide operations staff the capability to manually mount archive media.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS3000#A	To support archival data integrity, the bit error rate after correction shall be less than 1 in 10 to the 12th.		S-DSS-21750	A	The DRPHW CI shall provide a bit error rate after correction less than 1 in 1 X 10**12. (This requirement may be fulfilled with a combination of hardware and software components.)
DADS3000#B	To support archival data integrity, the bit error rate after correction shall be less than 1 in 10 to the 12th.		S-DSS-21750	A	The DRPHW CI shall provide a bit error rate after correction less than 1 in 1 X 10**12. (This requirement may be fulfilled with a combination of hardware and software components.)
DADS3010#A	Archival and backup media at each DADS shall have a manufacture-rated shelf life of at least 10 years when stored in a controlled environment.		S-DSS-21760	A	The DRPHW CI shall utilize archive media with a manufactured shelf life of at least 10 years when stored in a controlled environment
DADS3010#B	Archival and backup media at each DADS shall have a manufacture-rated shelf life of at least 10 years when stored in a controlled environment.		S-DSS-21760	A	The DRPHW CI shall utilize archive media with a manufactured shelf life of at least 10 years when stored in a controlled environment
DADS3040#A	At each DADS backup media shall be removable from the DADS site (e.g., for safe off-site storage).		S-DSS-20890	A	The STMGT CI shall provide operations staff the capability to load media into storage devices which support removable media.
			S-DSS-20900	A	The STMGT CI shall provide operations staff the capability to initialize media in storage devices which support removable media.
			S-DSS-20910	A	The STMGT CI shall provide operations staff the capability to unload media from storage devices which support removable media.
DADS3040#B	At each DADS backup media shall be removable from the DADS site (e.g., for safe off-site storage).		S-DSS-20890	A	The STMGT CI shall provide operations staff the capability to load media into storage devices which support removable media.
			S-DSS-20900	A	The STMGT CI shall provide operations staff the capability to initialize media in storage devices which support removable media.
			S-DSS-20910	A	The STMGT CI shall provide operations staff the capability to unload media from storage devices which support removable media.
DADS3055#A	At each DADS all backup media shall be capable of being mounted automatically where appropriate, with the provision for manual failover.		S-DSS-20150	A	The STMGT CI shall provide operations staff the capability to manually dismount backup archive media.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-20160	A	The STMGT CI shall provide operations staff the capability to manually mount backup archive media.
DADS3055#B	At each DADS all backup media shall be capable of being mounted automatically where appropriate, with the provision for manual failover.		S-DSS-20150	A	The STMGT CI shall provide operations staff the capability to manually dismount backup archive media.
			S-DSS-20160	A	The STMGT CI shall provide operations staff the capability to manually mount backup archive media.
DADS3090#A	Each DADS shall be capable of 200% expansion in throughput and archive capacity without architecture or design change. This expansion capacity shall apply to the total of the at-launch requirement plus the yearly growth requirement specified in Appendix C.		S-DSS-21770	A	The DRPHW CI shall be capable of providing of 200 percent expansion in capacity without architecture or design change.
			S-DSS-01850	A	The Science Data Server shall be capable of supporting 200% growth in the number of Data Requests it accepts and validates without architecture or design change.
			S-DSS-10330	A	The Document Data Server shall be capable of supporting 200% growth in the number of Distribution Requests it accepts and validates without architecture or design change.
			S-DSS-21510	A	The Science Management within the Data Server shall be capable of providing of 200% expansion in capacity without architecture or design change.
			S-DSS-30875	A	The Data Distribution within the Data Server shall be capable of providing 200% expansion in capacity without architecture or design change.
DADS3090#B	Each DADS shall be capable of 200% expansion in throughput and archive capacity without architecture or design change. This expansion capacity shall apply to the total of the at-launch requirement plus the yearly growth requirement specified in Appendix C.		S-DSS-21770	A	The DRPHW CI shall be capable of providing of 200 percent expansion in capacity without architecture or design change.
			S-DSS-01850	A	The Science Data Server shall be capable of supporting 200% growth in the number of Data Requests it accepts and validates without architecture or design change.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-10330	A	The Document Data Server shall be capable of supporting 200% growth in the number of Distribution Requests it accepts and validates without architecture or design change.
			S-DSS-21510	A	The Science Management within the Data Server shall be capable of providing of 200% expansion in capacity without architecture or design change.
			S-DSS-30875	A	The Data Distribution within the Data Server shall be capable of providing 200% expansion in capacity without architecture or design change.
			S-INS-00900	B	The INGST CI at the GSFC DAAC shall be capable of 200 percent expansion in throughput without architecture or design change.
			S-INS-00910	B	The INGST CI at the LaRC DAAC shall be capable of 200 percent expansion in throughput without architecture or design change.
			S-INS-00920	B	The INGST CI at the MSFC DAAC shall be capable of 200 percent expansion in throughput without architecture or design change.
			S-INS-00925	B	The INGST CI at the EDC DAAC shall be capable of 200 percent expansion in throughput without architecture or design change.
			S-INS-00927	B	The INGST CI at the NSIDC DAAC shall be capable of 200 percent expansion in throughput without architecture or design change.
			S-INS-00929	B	The INGST CI at the ASF DAAC shall be capable of 200 percent expansion in throughput without architecture or design change.
			S-INS-00930	B	The INGST CI at the JPL DAAC shall be capable of 200 percent expansion in throughput without architecture or design change.
DADS3100#A	Each DADS shall be capable of transmitting data over communications network in support of data production requests at the data rate specified in Appendix C and in support of data distribution requests at a rate equivalent to daily product volume (L1-L4).	A: TRMM only	S-DSS-30870	A	The DAAC Data Distribution within the Data Server shall be capable of electronically distributing data to users in support of Electronic Distribution Requests at a rate equivalent to daily product volume, L1-L4.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-02000	A	The ACMHW CI shall be sized to support the bytes/second rates derived from Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B on the electronic data distribution interfaces. (Supports user push/pull electronic distribution)
			S-DSS-02010	A	The ACMHW CI shall be sized to support the number of operations/second derived from Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-30960	A	The DIPHW CI shall be sized to support a sustained I/O rate of 1x the production volume for media distribution, where 1x production volume is derived from Section E.1 of, Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-01950	A	The Science Data Server shall support distributing the number of bytes of data per day derived from Sections E.1 & E.3 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B to the PRONG CI (in support of production) by accepting and validating the number requests per day from the PRONG CI derived from Sections E.1 & E.3 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-01960	A	The Science Management within the Data Server shall support distributing the bytes of data per day derived from Sections E.1 & E.3 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B to the PRONG CI (in support of production) by retrieving and staging the number of bytes per day for the PRONG CI derived from Sections E.1 & E.3 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
DADS3100#B	Each DADS shall be capable of transmitting data over communications network in support of data production requests at the data rate specified in Appendix C and in support of data distribution requests at a rate equivalent to daily product volume (L1-L4).		S-DSS-30870	A	The DAAC Data Distribution within the Data Server shall be capable of electronically distributing data to users in support of Electronic Distribution Requests at a rate equivalent to daily product volume, L1-L4.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-02000	A	The ACMHW CI shall be sized to support the bytes/second rates derived from Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B on the electronic data distribution interfaces. (Supports user push/pull electronic distribution)
			S-DSS-02010	A	The ACMHW CI shall be sized to support the number of operations/second derived from Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-30960	A	The DIPHW CI shall be sized to support a sustained I/O rate of 1x the production volume for media distribution, where 1x production volume is derived from Section E.1 of, Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-01950	A	The Science Data Server shall support distributing the number of bytes of data per day derived from Sections E.1 & E.3 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B to the PRONG CI (in support of production) by accepting and validating the number requests per day from the PRONG CI derived from Sections E.1 & E.3 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-01960	A	The Science Management within the Data Server shall support distributing the bytes of data per day derived from Sections E.1 & E.3 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B to the PRONG CI (in support of production) by retrieving and staging the number of bytes per day for the PRONG CI derived from Sections E.1 & E.3 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
DADS3110#A	Each DADS shall be capable of distributing data via physical media at a rate equivalent to the rate data are ingested at that DADS.	A: Level-0 CERES, LIS products	S-DSS-30810	A	The Data Distribution within the Data Server shall be capable of distributing Data via physical media generated a rate equivalent to the daily rate data are ingested at that site.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-30950	A	The DIPHW CI shall be sized to temporarily store the total number of bytes of distribution data derived from Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-30960	A	The DIPHW CI shall be sized to support a sustained I/O rate of 1x the production volume for media distribution, where 1x production volume is derived from Section E.1 of, Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
DADS3110#B	Each DADS shall be capable of distributing data via physical media at a rate equivalent to the rate data are ingested at that DADS.		S-DSS-30810	A	The Data Distribution within the Data Server shall be capable of distributing Data via physical media generated a rate equivalent to the daily rate data are ingested at that site.
			S-DSS-30950	A	The DIPHW CI shall be sized to temporarily store the total number of bytes of distribution data derived from Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-30960	A	The DIPHW CI shall be sized to support a sustained I/O rate of 1x the production volume for media distribution, where 1x production volume is derived from Section E.1 of, Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
DADS3120#A	Each DADS shall distribute product QA data produced at the collocated PGS within 1 hour from the time it is ready.		S-DSS-01870	A	The Science Data Server shall support distributing product QA data produced at the collocated Data Processing Subsystem within 1 hour from the time it is ready.
			S-DSS-21540	A	The Science Management within the Data Server shall support distributing product QA data produced at the collocated Data Processing Subsystem within 1 hour from the time it is ready.
			S-DSS-30840	A	The Data Distribution within the Data Server shall support distributing product QA data produced at the collocated Data Processing Subsystem within 1 hour from the time it is ready.
DADS3120#B	Each DADS shall distribute product QA data produced at the collocated PGS within 1 hour from the time it is ready.		S-DSS-01870	A	The Science Data Server shall support distributing product QA data produced at the collocated Data Processing Subsystem within 1 hour from the time it is ready.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-21540	A	The Science Management within the Data Server shall support distributing product QA data produced at the collocated Data Processing Subsystem within 1 hour from the time it is ready.
			S-DSS-30840	A	The Data Distribution within the Data Server shall support distributing product QA data produced at the collocated Data Processing Subsystem within 1 hour from the time it is ready.
DADS3125#A	Each DADS shall make archive data, associated with a pre-defined ECS standard format, that is requested for communications network delivery, available to the network in that ECS standard format within an average of 2 minutes after the receipt of a request for that data.		S-DSS-30950	A	The DIPHW CI shall be sized to temporarily store the total number of bytes of distribution data derived from Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
DADS3125#B	Each DADS shall make archive data, associated with a pre-defined ECS standard format, that is requested for communications network delivery, available to the network in that ECS standard format within an average of 2 minutes after the receipt of a request for that data.		S-DSS-30950	A	The DIPHW CI shall be sized to temporarily store the total number of bytes of distribution data derived from Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
DADS3126#A	Each DADS shall make archive data, associated with a pre-defined ECS standard format, that is requested for communications network delivery available to the network in a different ECS standard format within an average of 5 minutes after the request for that data.		S-DSS-01880	A	The Science Data Server shall support making archive data associated with a predefined ECS standard format available to the network in that format within an average of 2 minutes.
			S-DSS-01890	A	The Science Data Server shall support making archive data associated with a predefined ECS standard format available to the network in a different format within an avg. of 5 minutes.
			S-DSS-21640	A	The Science Management within the Data Server shall support making archive data associated with a pre-defined ECS standard format available to the network in that format within an average of 2 minutes.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-21650	A	The Science Management within the Data Server shall support making archive data associated with a pre-defined ECS standard format available to the network in a different format within an average of 5 minutes.
			S-DSS-30850	A	The Data Distribution within the Data Server shall support making archive data associated with a predefined ECS standard format available to the network in that format within an avg. of 2 minutes.
			S-DSS-30860	A	The Data Distribution within the Data Server shall support making archive data associated with a predefined ECS format available to the network in a different format within an average of 5 minutes.
			S-DSS-30950	A	The DIPHW CI shall be sized to temporarily store the total number of bytes of distribution data derived from Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
DADS3126#B	Each DADS shall make archive data, associated with a pre-defined ECS standard format, that is requested for communications network delivery available to the network in a different ECS standard format within an average of 5 minutes after the request for that data.		S-DSS-01880	A	The Science Data Server shall support making archive data associated with a predefined ECS standard format available to the network in that format within an average of 2 minutes.
			S-DSS-01890	A	The Science Data Server shall support making archive data associated with a predefined ECS standard format available to the network in a different format within an avg. of 5 minutes.
			S-DSS-21640	A	The Science Management within the Data Server shall support making archive data associated with a pre-defined ECS standard format available to the network in that format within an average of 2 minutes.
			S-DSS-21650	A	The Science Management within the Data Server shall support making archive data associated with a pre-defined ECS standard format available to the network in a different format within an average of 5 minutes.
			S-DSS-30850	A	The Data Distribution within the Data Server shall support making archive data associated with a predefined ECS standard format available to the network in that format within an avg. of 2 minutes.

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-30860	A	The Data Distribution within the Data Server shall support making archive data associated with a predefined ECS format available to the network in a different format within an average of 5 minutes.
			S-DSS-30950	A	The DIPHW CI shall be sized to temporarily store the total number of bytes of distribution data derived from Section E.1 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
DADS3135#A	The DADS shall have the capability to support the transaction rate as specified in Table 7-4.		S-DSS-01910	A	The Science Data Server shall be capable of receiving a combined maximum number of Browse Requests per hour (across ECS) from the Data Management Subsystem and/or the Client Subsystem as derived from Section E.6 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-01900	A	The Science Data Server shall be capable of receiving a combined maximum number of Data Requests per hour (across ECS) from the Data Management Subsystem and/or the client Subsystem as derived from Section E.6 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-01920	A	The Science Data Server shall support making pre-computed Browse Data available to a requester in 58 seconds after accepting and validating the request in the number of seconds specified in Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-10350	A	The Document Data Server shall be capable of receiving a combined maximum of product orders per hour as derived from Section E.6 of Appendix E (across ECS) of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B from the Data Management Subsystem and/or the Client subsystem.
DADS3135#B	The DADS shall have the capability to support the transaction rate as specified in Table 7-4.		S-DSS-01910	A	The Science Data Server shall be capable of receiving a combined maximum number of Browse Requests per hour (across ECS) from the Data Management Subsystem and/or the Client Subsystem as derived from Section E.6 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-DSS-01900	A	The Science Data Server shall be capable of receiving a combined maximum number of Data Requests per hour (across ECS) from the Data Management Subsystem and/or the client Subsystem as derived from Section E.6 of Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-01920	A	The Science Data Server shall support making pre-computed Browse Data available to a requester in 58 seconds after accepting and validating the request in the number of seconds specified in Appendix E of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B.
			S-DSS-10350	A	The Document Data Server shall be capable of receiving a combined maximum of product orders per hour as derived from Section E.6 of Appendix E (across ECS) of the current version of 304-CD-002 for Release A and the current version of 304-CD-005 for Release B from the Data Management Subsystem and/or the Client subsystem.
DADS3140#A	The DADS shall be developed with configuration-controlled application programming interfaces (APIs) that will be capable of supporting development of DAAC-unique data ingest services operated independently of the delivered ECS DADS services.		S-INS-00316	A	The INGST CI shall accept an Ingest Request from authorized applications.
			S-INS-00317	A	The INGST CI shall authenticate the User Identifier of an application submitting an Ingest Request.
			S-INS-00364	A	The INGST CI shall accept an ingest Cancellation Request from authorized applications to cancel an ongoing Ingest Request, specifying the Request Identifier.
			S-INS-00369	A	The INGST CI shall authenticate the User Identifier of an application submitting an ingest Cancellation Request.
			S-INS-00396	A	The INGST CI shall report status on ingest Cancellation Requests to the requesting application and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier c. Unable to suspend specified Ingest Request(s)

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS3140#B	The DADS shall be developed with configuration-controlled application programming interfaces (APIs) that will be capable of supporting development of DAAC-unique data ingest services operated independently of the delivered ECS DADS services.		S-INS-00316	A	The INGST CI shall accept an Ingest Request from authorized applications.
			S-INS-00317	A	The INGST CI shall authenticate the User Identifier of an application submitting an Ingest Request.
			S-INS-00364	A	The INGST CI shall accept an ingest Cancellation Request from authorized applications to cancel an ongoing Ingest Request, specifying the Request Identifier.
			S-INS-00369	A	The INGST CI shall authenticate the User Identifier of an application submitting an ingest Cancellation Request.
			S-INS-00396	A	The INGST CI shall report status on ingest Cancellation Requests to the requesting application and to the Error Log for the following: a. Unauthorized requester b. Invalid ingest Request Identifier c. Unable to suspend specified Ingest Request(s)
			S-INS-00365	B	The INGST CI shall accept an ingest Suspension Request from authorized applications to suspend ongoing ingest request processing for a specified Request Identifier, to suspend all ongoing ingest request processing from a specified External Data Provider, or to suspend all ongoing ingest request processing.
			S-INS-00367	B	The INGST CI shall accept an ingest Resumption Request from authorized applications to resume ongoing ingest request processing for a specified Request Identifier, to resume all ongoing ingest request processing from a specified External Data Provider, or to resume all ongoing ingest request processing.
			S-INS-00370	B	The INGST CI shall authenticate the User Identifier of an application submitting an ingest Suspension Request or ingest Resumption Request.

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
			S-INS-00397	B	The INGST CI shall report status on ingest Suspension Requests to the requesting application and to the Error Log for the following: a._Unauthorized requester b._Invalid ingest Request Identifier c._Unable to suspend specified Ingest Request(s)
			S-INS-00398	B	The INGST CI shall report status on ingest Resumption Requests to the requesting application and to the Error Log for the following: a._Unauthorized requester b._Invalid ingest Request Identifier
DADS3150#A	The DADS shall be developed with configuration-controlled application programming interfaces (APIs) that will be capable of supporting development of DAAC-unique data distribution services operated independently of the delivered ECS DADS services.		S-DSS-21312	A	The STMGT CI shall be developed using file storage management systems that have configuration-controlled application programming interfaces (APIs).
DADS3150#B	The DADS shall be developed with configuration-controlled application programming interfaces (APIs) that will be capable of supporting development of DAAC-unique data distribution services operated independently of the delivered ECS DADS services.		S-DSS-00250	B	The SDSRV CI shall provide an application program interface for the submission of Service Requests.
			S-DSS-00260	B	The SDSRV CI shall provide an application program interface for the submission of requests for administrative services.
			S-DSS-30770	B	The DDIST CI shall provide an applications program interface to submit Distribution Requests, obtain Request Status for Distribution Requests, and retrieve a list of Distribution Requests submitted.
DADS3160#A	The DADS shall be developed with configuration-controlled application programming interfaces (APIs) that will be capable of supporting development of an operator interface that may bypass the delivered DADS operator interface.		S-DSS-21312	A	The STMGT CI shall be developed using file storage management systems that have configuration-controlled application programming interfaces (APIs).

DADS RbR to L4 traceability

L3 RbR ID	L3 RbR Text	Interpretation	L4 ID	Rel	L4 Rqmt Text
DADS3160#B	The DADS shall be developed with configuration-controlled application programming interfaces (APIs) that will be capable of supporting development of an operator interface that may bypass the delivered DADS operator interface.		S-DSS-00760	B	The SDSRV CI shall provide application program interfaces to all the operator functions.
368			2452		