This Table is part 1 of changes for CCR 95-0733B (updated 11/8/95)

RBR	RBR_rel	RBR_seg	text	REQ_Interp
DADS0130# Ir1	Ir1	SDPS	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 tes(***)ting purposes only.
DADS0130# A	A	SDPS	Each DADS shall receive from the EDOS and SDPF, at a minimum, the following: a. Production data (L0)	Full capability A: ONLY MSFC AND LARC DAACS WILL INTERFACE WITH SDPF, ONLY THE GSFC A(***)ND LARC DAACS WILL INTERFACE WITH EDOS
DADS0170# Ir1	Ir1	SDPS	Each DADS shall be capable of receiving from designated EPDSs and ODCs, at a minimum, the following: a. L0-L4 data sets b. Metadata	Ir1: This requirement is unspported as follows: Ir1 shall be capable of receiving and temporary storage of data from TSDIS for the purpose of testing the TSDIS interface to the Ingest subsystem.
DADS0200# B	B	SDPS	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, CORRIELATIVE DATA (ON REQUEST)
DADS0430# A	A	SDPS	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.
DADS0487# A	A	SDPS	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

DADS1310#B	B	SDPS	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
DADS1450#B	B	SDPS	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 ~~A &~~ B: ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS
DADS2020#B	B	SDPS	Each DADS shall have the capability to receive data availability schedules at a minimum, from: a. EDOS b. IPs c. ADCs d. ODCs e. Other DADS f. TRMM (SDPF)	APPLIES ONLY TO MSFC DACC AND LARC DAAC; ~~B:~~ ASTER GDS interfaces to EDC DAAC only. ;~~A & B:~~ ONLY(~~***~~) THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS. EDOS HAD NO REQUIREMENTS TO SEND DATA AVAILABILITY SCHEDULES TO ECS; ~~B:~~ ASTE(~~***~~)R GDS DATA AVAILABILITY SCHEDULES (TO EDC AND DAAC ONLY)
DADS2070#B	B	SDPS	Each DADS shall interact with EDOS, SDPF, and SMC to resolve schedule conflicts.	APPLIES ONLY TO MSFC DACC AND LARC DAAC; ~~A & B:~~ ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS ~~TH EDOS~~
DADS2778#B	B	SDPS	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
EOC-2270#A	A	FOS	The EOC shall accept an instrument resource profile or instrument resource deviation list (when a resource profile exists for the instrument) from each ICC.	An activity must exist in the mission schedule to reserve resources that originate from within a(~~***~~)n ICC resource profile(~~*~~); ~~A:~~ Basic functionality provided

EOC-2270#B	B	FOS	The EOC shall accept an instrument resource profile or instrument resource deviation list (when a resource profile exists for the instrument) from each ICC.	An activity must exist in the mission schedule to reserve resources that originate from within a(***)n ICC resource profile(*); B: Enhanced functionality provided
EOC-2272#A	A	FOS	For the instruments that have resource deviations lists, the EOC shall build instrument resource profiles by combining the resource deviation lists with the respective baseline resource profiles.	An activity must exist in the mission schedule to reserve resources that orginate from within a resource deviation list(*); A: Basic functionality provided
EOC-2272#B	B	FOS	For the instruments that have resource deviations lists, the EOC shall build instrument resource profiles by combining the resource deviation lists with the respective baseline resource profiles.	An activity must exist in the mission schedule to reserve resources that orginate from within a resource deviation list(*); B: Enhanced functionality provided
EOC-2280#A	A	FOS	At least once each week, the EOC shall generate for each spacecraft a preliminary resource schedule that describes all operations currently planned for the following target week.	The mission schedule represents a continuous pallan which encompasses the preliminary resource sch(***)edule(*); A: Basic functionality provided
EOC-2280#B	B	FOS	At least once each week, the EOC shall generate for each spacecraft a preliminary resource schedule that describes all operations currently planned for the following target week.	The mission schedule represents a continuous pallan which encompasses the preliminary resource sch(***)edule(*); B: Enhanced functionality provided
EOC-2290#A	A	FOS	Whenever the ICCÍs instrument resource profile cannot be integrated into a preliminary resource schedule, the EOC shall provide the ICC with a notification that includes, at a minimum, an identification of the conflicting activities and the source of conflict.	The mission schedule represents a continuous plan which encompasses the preliminary resource sch(***)edule.

EOC-2290#B	B	FOS	Whenever the ICCÍs instrument resource profile cannot be integrated into a preliminary resource schedule, the EOC shall provide the ICC with a notification that includes, at a minimum, an identification of the conflicting activities and the source of conflict.	The mission schedule represents a continuous plan which encompasses the preliminary resource sch(~~***~~)edule.
EOC-2320#A	A	FOS	The preliminary resource schedule shall include, at a minimum, the following: a. Activity or DAR identifiers b. Resource availability and usage requirements c. Time constraints and alternatives for planned activities d. TDRSS schedule	The mission schedule represents a continuous plan which encompasses the preliminary resource sch(~~***~~)edule(~~*~~); ~~A~~: Basic functionality provided
EOC-2320#B	B	FOS	The preliminary resource schedule shall include, at a minimum, the following: a. Activity or DAR identifiers b. Resource availability and usage requirements c. Time constraints and alternatives for planned activities d. TDRSS schedule	The mission schedule represents a continuous plan which encompasses the preliminary resource sch(~~***~~)edule(~~*~~); ~~B~~: Enhanced functionality provided
EOC-2350#A	A	FOS	The EOC shall provide the preliminary resource schedule to the ICCs upon generation.	The mission schedule represents a continuous plan which encompasses the preliminary resource sch(~~***~~)edule(~~*~~); ~~A~~: Basic functionality provided
EOC-2350#B	B	FOS	The EOC shall provide the preliminary resource schedule to the ICCs upon generation.	The mission schedule represents a continuous plan which encompasses the preliminary resource sch(~~***~~)edule(~~*~~); ~~B~~: Enhanced functionality provided
EOC-2480#A	A	FOS	The EOC shall accept from each ICC an instrument activity list or an instrument activity deviation list (when an activity profile exists for the instrument) and any updates thereto.	The mission schedule represents a continuous plan which encompasses activity deviations and BAPs(~~*~~); ~~A~~: Basic functionality provided

EOC-2480#B	B	FOS	The EOC shall accept from each ICC an instrument activity list or an instrument activity deviation list (when an activity profile exists for the instrument) and any updates thereto.	The mission schedule represents a continuous plan which encompasses activity deviations and BAPs(*); B: Enhanced functionality provided
EOC-2510#B	B	FOS	The EOC shall generate a detailed activity schedule for the spacecraft and its instruments by: a. Integrating the spacecraft subsystem activity list and individual instrument activity lists b. Determining if the aggregate resource requirements are within limits d. Ensuring that all the sequencing constraints among the proposed activities are respected e. Scheduling the spacecraft recorder, direct downlink, and communication subsystem operations	The mission schedule represents a continuous plan which encompasses the generation of a detailed(***) activity schedule.
EOC-2620#A	A	FOS	The EOC shall provide the ICC with the detailed activity schedule and any updates upon generation.	The mission schedule represents a continuous plan which encompasses the generation of a detailed(***) activity schedule(*); A: Basic functionality provided
EOC-2620#B	B	FOS	The EOC shall provide the ICC with the detailed activity schedule and any updates upon generation.	The mission schedule represents a continuous plan which encompasses the generation of a detailed(***) activity schedule(*); B: Enhanced functionality provided
EOSD3900#A	A	SDPS	The SDPS function of receiving science data shall have an operational availability of 0.999 at a minimum (.99995 design goal) and an MDT of two (2) hours or less (8 minutes design goal).	A: TRMM, L0 science data from SDPF (no product data)(*);

EOSD4020#A	A	SDPS	At each DAAC site, the product generation functional capabilities shall be spread across multiple product generation computers thereby providing a "failsoft" environment.	TRMM mission: launch plus 12 months~~(c)~~, AM-1 mission: launch plus 12 months
EOSD4020#B	B	SDPS	At each DAAC site, the product generation functional capabilities shall be spread across multiple product generation computers thereby providing a "failsoft" environment.	TRMM mission: launch plus 12 months~~(c)~~, AM-1 mission: launch plus 12 months
ESN-0003#A	A	CSMS	The ESN shall enable researchers on existing networks (TCP/IP and GOSIP) to gain access to data and ECS services in a transparent manner to the underlying differences between the networks.	A: Applicable (w/o GOSIP requirement and minimum connectivity to network for ftp to AI&T.)
ESN-0003#B	B	CSMS	The ESN shall enable researchers on existing networks (TCP/IP and GOSIP) to gain access to data and ECS services in a transparent manner to the underlying differences between the networks.	B: ASTER GDS~~(***)~~ interfaces to EDC DAAC only.
ESN-0003#Ir1	Ir1	CSMS	The ESN shall enable researchers on existing networks (TCP/IP and GOSIP) to gain access to data and ECS services in a transparent manner to the underlying differences between the networks.	IR1: V0 Netw~~r~~oork where possible; NSI otherwise.
ESN-0007#A	A	CSMS	The ESN shall restrict the use of ECS inter-DAAC wide area networks for data transmission between ECS DAACs and other facilities that are directly attached to the ECS external network.	~~A: Question on "mission critical" designation. Those that refer to NSI should be "mission succ(***)ess"?~~

ESN-0010#Ir1	Ir1	CSMS	ESN shall provide the following standard services: a. Data Transfer and Management Services b. Electronic Messaging Service c. Remote Terminal Service d. Process to Process Communication Service e. Directory and User Access Control Service f. Network Management Service g. Network Security and Access Control Service h. Internetwork Interface Services	IR1: a through: h a. ftp, etc. b. mail c. telnet d. internal within a site. ~~Issue on Network security and Access Control Service - item g? Question: Item d. applicability; Carey Gire will check on this???~~
ESN-1330#A	A	CSMS	The ESN shall provide ISO/OSI data communications protocols and services specified in the GOSIP (see Figure 8-3) to external interfaces as required by the IRDs.	A: remove reference to GOSIP ~~in release A~~.
ESN-1330#B	B	CSMS	The ESN shall provide ISO/OSI data communications protocols and services specified in the GOSIP (see Figure 8-3) to external interfaces as required by the IRDs.	B: ASTER GDS (~~**~~)interfaces to EDC DAAC only.
ICC-0030#D	D	FOS	The ICC shall have the capability to notify the TL or instrument PI at the IST of, at a minimum, the following: a. Conflicts found in planning and scheduling b. Arrival of instrument engineering data c. Arrival of quick-look data d. Instrument anomalies found during instrument monitoring	Requirement changed per CCR 94-0080A/505-01-410-50 and moved to Release C per TD NAS5-60000 #12.
ICC-1040#C	C	FOS	The ICC shall interface with the IMS to receive status of the DARs generated at the ICC.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.

ICC-2140#A	A	FOS	At least once each week, the ICC shall build an instrument resource profile or an instrument resource deviation list (when a baseline resource profile exists for the instrument), which includes a description of instrument operations currently planned for the target week.	The mission schedule represents a continuous plan that encompasses instrument resource profiles and deviations(~~*~~); ~~A~~: Basic functionality provided.
ICC-2140#B	B	FOS	At least once each week, the ICC shall build an instrument resource profile or an instrument resource deviation list (when a baseline resource profile exists for the instrument), which includes a description of instrument operations currently planned for the target week.	The mission schedule represents a continuous plan that encompasses instrument resource profiles and deviations(~~*~~); ~~B~~: Enhanced functionality provided.
ICC-2290#A	A	FOS	The ICC shall generate the instrument activity list or the instrument activity deviation list (when an activity profile exists for the instrument) in both machine-usable and human-readable forms, to describe for each activity, at a minimum, as many of the following that apply: b. Objectives c. Resource requirements d. Start time constraints and duration e. Instrument modes as a function of time f. Pointing angles and field of view (FOV) g. Specified tolerance limits h. Disturbances caused for each instrument mode	~~B: Enhanced~~ A: BASIC functionality provided.

ICC-2290#B	B	FOS	The ICC shall generate the instrument activity list or the instrument activity deviation list (when an activity profile exists for the instrument) in both machine-usable and human-readable forms, to describe for each activity, at a minimum, as many of the following that apply: b. Objectives c. Resource requirements d. Start time constraints and duration e. Instrument modes as a function of time f. Pointing angles and field of view (FOV) g. Specified tolerance limits h. Disturbances caused for each instrument mode	B: Enhanced functionality provided.
ICC-4412#C	C	FOS	The ICC shall accept quick-look data sets from EDOS.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to releawse C per TD NAS5-6000 #12.
ICC-4415#C	C	FOS	The ICC shall accept and be capable of displaying processed quick-look products from the DADS.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to releawse C per TD NAS5-6000 #12
ICC-4435#C	C	FOS	The ICC shall have the capability to process and display quick-look data.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to releawse C per TD NAS5-6000 #12.
ICC-7530#C	C	FOS	The IST shall have the capability to display quick-look data.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to releawse C per TD NAS5-6000 #12.

IMS-0120#A	A	SDPS	The IMS shall provide, dependent upon the user's display device capabilities, a user-friendly interface with the following features at a minimum: a. Multiple window display b. Buttons and pull down menus c. Valid lists for all variables d. An information base of associations between variables (e.g., between instruments and geophysical parameters) f. Context-sensitive help g. Minimal and consistent use of non-standard keys h. Random movement through fields j. Standardized use of commands and terminology across screens k. Self-explanatory, meaningful error messages l. Automatic acronym expansion, which can be enabled and disabled interactively m. Availability of a menu tree diagram n. Command language	A: VALID LISTS FOR VARIABLES FOR ASTER PROCDUCTS NOT AVAILABLE
IMS-0280#B	B	SDPS	The IMS shall maintain DAR generation information, for example, instrument information received from the ICC and spacecraft information received from the EOC, in a data base which will be accessible during the DAR planning and submittal process.	B: ASTER GDS (***)interfaces to EDC DAAC only. B:(**) ASTER DARS only?
IMS-0380#B	B	SDPS	The IMS shall provide the capability to exchange directory data with IP data centers, ADCs, and selected ODCs.	B: ASTER GDS (***) interfaces to EDC DAAC only.
IMS-0780#B	B	SDPS	The IMS shall accept and validate from the ECS users, IPs, ADCs, and ODCs requests for ECS archival data products.	B: ASTER (IP) REQUESTS FOR ECS PRODUCTS(*) B: ASTER GDS (***) interfaces to EDC DAA(***)C only.

IMS-0900#B	B	SDPS	The IMS shall provide an interface to the IPs for ordering data to be delivered directly to the user or to a DADS.	B: ECS REQUEST TO ASTER (IP) FOR PRODUCTS B: ASTER GDS (***)interfaces to EDC DAAC only.
IMS-0910#B	B	SDPS	he IMS shall provide the capability to receive the metadata from the DADS, when IP data has been ingested into the EOSDIS archives.	B: ASTER GDS (***)interfaces to EDC DAAC only.
IMS-1240#B	B	SDPS	The IMS shall be expandable to accept from the IP Information Management System or an equivalent IP facility the current data acquisition schedules and plans for U.S. instruments on foreign spacecraft, and shall make the schedules and plans accessible to authorized users on request, in accordance with applicable MOUs.	B: ASTER GDS (***)interfaces to EDC DAAC only.
IMS-1260#B	B	SDPS	The IMS shall provide the capability to receive, from the IP Information Management System or an equivalent IP facility, data acquisition request status in accordance with applicable MOUs and provide the status to the data acquisition requester.	B: ASTER GDS (***)interfaces to EDC DAAC only.
IMS-1520#A	A	SDPS	The IMS toolkit software shall provide data visualization tools to assist the investigators to perform the following functions, at a minimum: a. QA/Validation of products generated by the PGS b. Algorithm development c. Calibration functions, parameter verification, and anomaly detection d. View subsetted, subsampled, and summarized data whenever associated inventory information is displayed	~~Release~~ A: Display two-dimensional data arrays as pseudocolor images.

PGS-0270#Ir1	Ir1	SDPS	The PGS shall provide the capability to perform the following functions, at a minimum: b. Suspend execution of tasks c. Resume execution of a suspended task d. Cancel execution of tasks	IR1: ~~I~~Subitem b, c, and d applicable to the extent that Unix commands or COTS can ~~s~~support execution operations.
PGS-0320#A	A	SDPS	The PGS shall display detected faults to the system operators.	Faults = errors such as: data staging/destaging, PGE execution queue processing(~~e~~), etc.
PGS-0320#B	B	SDPS	The PGS shall display detected faults to the system operators.	Faults = errors such as: data staging/destaging, PGE execution queue processing(~~e~~), etc.
PGS-0330#A	A	SDPS	The PGS shall report detected processing system faults to the SMC.	Processing system faults = errors such as data staging/destaging, PGE execution, queue processing(~~e~~), etc.
PGS-0330#B	B	SDPS	The PGS shall report detected processing system faults to the SMC.	Processing system faults = errors such as data staging/destaging, PGE execution, queue processing(~~e~~), etc.
PGS-0640#B	B	SDPS	The PGS shall accept from the SCF new or modified Standard Product algorithms to be tested at the processing facility. This software shall be received into the test environment and shall contain the following information at a minimum : a. Algorithm identification b. Algorithm source code c. List of required inputs d. Processing dependencies e. Test data and procedures f. Algorithm documentation	B: Adding MSS interface and the capability to execute chains.

PGS-0900#Ir1	Ir1	SDPS	The PGS shall send test products to the SCF for analysis. These shall contain the results of algorithm testing and shall contain the following information at a minimum: a. Algorithm identification b. Test time(s) c. Processor identification d. Test results	IR1: This requirement is supported as follows: IR1 shall provide the capability to transfer files to rthe SCF via ftp.
SCF-0050#Ir1	Ir1	SDPS	The ECS shall have the capability to accept from the SCF a set of Initial Data Production Software Specifications that provides the software design description and operations concepts of the data production software to be delivered and estimates storage and processing resources required for the data production software to operate successfully in the ECS operational environment. These specifications are described in the Data Production Software Specification Requirements.	IR-1: This requirement is supported as follows: IR1 shall provide the capability for t(***)he SCF to transfer files to the AITTL CI via ftp.
SCF-0080#Ir1	Ir1	SDPS	The ECS shall have the capability to provide an Interactive Session Dialog with the SCF. This dialog, to aid integration and test of the data production software into the ECS production environment, shall support, at a minimum, general communications between the ECS and the SCF that include logins, mail messages, status reports, test coordination, test execution scripts, and solutions to minor problems.	IR1: This requirement is supported as follows: IR1 shall provide the capability for th(***)e SCF to access ECS remotely via a virtual terminal.

SCF-0100#Ir1	Ir1	SDPS	The ECS shall have the capability to forward Test Products to the SCF. These products generated by the science software at the ECS will require the review of the scientist at the SCF who submitted the software.	IR1: This requirement is supported as follows: IR-1 shall provide the capability of EC(***)S to transfer files to the SCF via ftp.
SCF-0110#Ir1	Ir1	SDPS	The ECS shall have the capability to receive Test Product Reviews from the SCF. These reviews shall include the comments and recommendations of the scientist at the SCF who has reviewed the Test Products.	IR1: This requirement is supported as follows: IR-1 shall provide the capability for t(***)he SCF to transfer files to the AITTL CI via ftp.
SCF-0120#Ir1	Ir1	SDPS	The ECS shall have the capability to receive Data Production Software Updates from the SCF. These Data Production Software Updates include modifications to any data production software already submitted to the ECS by the SCF. The Data Production Software Updates may include some or all the items required in the Data Production Software Delivery Package.	IR1: This requirement is supported as follows: IR1 shall provide the capability for th(***)e SCF to transfer files to the AITTL CI via ftp.
SCF-0330#Ir1	Ir1	SDPS	The ECS shall have the capability to receive a Calibration Coefficient Update Package from the SCF. This package shall include a calibration coefficient file and other documentation needed to implement the updated coefficients.	IR1: This requirement is supported as follows: IR-1 shall provide the capability for t(***)he SCF to transfer files to the AITTL CI via ftp.

SDPS0020#B	B	SDPS	The SDPS shall receive EOS science, engineering, and ancillary data from the EDOS, the SDPF, and the IPs, and non-EOS data, in situ data, algorithms, documentation, correlative data, and ancillary data (as listed in Appendix C) from ADCs, EPDSs, and ODCs.	B: Exchange of inf. w/ IPs(*); ~~B:~~ APPLIES ONLY TO MSFC DACC AND LARC DAAC(*); ~~B:~~ ASTER GDS interfac(***)es to EDC DAAC only. ~~A&B:~~ ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS(*); ~~B:~~ QUICK LOOK FORM EDOS IS UNSCHEDULED
SDPS0080#A	A	SDPS	The SDPS shall archive, manage, and quality check and account for all science data received from the EPDSs and ancillary data received from the EPDSs, the SCFs, the ADCs, other DAACs, PIs and the other EOS science users.	A: 3 DAACs, CERES, LIS (c), ~~A:~~ TRMM
SDPS0095#A	A	SDPS	The SDPS shall provide science user interfaces that are individually tailorable including settable preferences, user defined keywords, query save capabilities, and screen layout preferences.	A: User Profile information is used to tailor user setable preferences for ECS deve(***)loped services. Services provided by the VO C~~L~~lient for Release A are used 'as is.'
SDPS0110#A	A	SDPS	The SDPS shall be responsible for coordination of the transfer of production data from EDOS and SDPF.	A: SDPF operationally. EDOS & IP for interface testing(*); ~~A&B:~~ ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS.
SDPS0110#B	B	SDPS	The SDPS shall be responsible for coordination of the transfer of production data from EDOS and SDPF.	B: IP for operational APPLIES ONLY TO MSFC DAAC AND LARC DAAC(*); ~~A&B:~~ ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS.
SDPS0110#Ir1	Ir1	SDPS	The SDPS shall be responsible for coordination of the transfer of production and quick-look science and engineering data from SDPF.	IR1: This requirement is supported as follows: IR-1 shall be responsible for ~~c~~oocoordination of the transfer of data from the SDPF for the purpose of testing the SDPF interface to the Ingest subsystem.

SMC-1300#A	A	CSMS	The SMC shall support and maintain the ECS policies and procedures regarding instrument and ground event scheduling, including, at a minimum: a. Mission and science guidelines b. Directives for scheduling instrument data ingest, processing, reprocessing, retrieval, and data distribution	A: Full capability. Performed manually, except to the extent the staff opts to automate by using ~~OA~~ office automation tools and e-mail. ~~A:~~ THE SMC SHOULD BE(**) ABLE TO ACCEPT EDOS PDS DELIVERY RECORDS
SMC-1300#B	B	CSMS	The SMC shall support and maintain the ECS policies and procedures regarding instrument and ground event scheduling, including, at a minimum: a. Mission and science guidelines b. Directives for scheduling instrument data ingest, processing, reprocessing, retrieval, and data distribution	B: THE SMC SHOULD BE ABLE TO ACCEPT ADS DELIVERY RECORDS(p). ~~B:~~ THE SMC INTERFACE TO MAKE LONG TERM SCIENCE PLANS (***)AND LONG TERM INSTRUMENT PLANS AVAILABLE TO THE ASTER ICC
SMC-1330#B	B	CSMS	The SMC shall support and maintain the information for end-to-end data ingest, processing, reprocessing, archive, and data distribution for each product, including, at a minimum: a. Product information b. Product generation information c. Product delivery information	B: Full capability - semi-automated/automated(p). ~~B:~~ ACCEPT EDOS ARCHIVAL DATA SET (ADS) DELIVERY RECORDS
SMC-2200#B	B	CSMS	The SMC shall assist each site or element, when necessary, in the performance of on-site preventive and corrective hardware and systems software maintenance.	B: Full capability (through use of performance mana(***)gement services)
SMC-2325#A	A	CSMS	The LSM shall monitor the consumable inventory within its element for items used by the system including, at a minimum: a. Computer tapes b. Computer disks c. Computer paper	A: Manually. Performed by M&O staff through maintaining site inventory status (***) database.

SMC-2335#A	A	CSMS	The LSM shall manage the replenishment of consumable items for its element.	A: Manually. Performed by M&O staff through maintaining site inventory status (***) database.
SMC-2510#A	A	CSMS	The SMC shall provide at a minimum system-wide configuration management for the operational hardware, scientific and system software, and the SMC toolkit contained within ECS. The management system shall support the migration of hardware and software upgrades into the operational environment.	A; : SMC will have system wide configuration management and a consolidated ECS wide view. (Full capability)
SMC-2515#Ir1	Ir1	CSMS	The LSM shall provide configuration management for at least the operational hardware, system software, and scientific software within its element and for the migration of enhancements into the operational system.	CM for SS/W at sites, EDF CM for all IR1 H/W and S/W. Enhancements via OPS. IR1: This requirement is supported as follows: IR-1 shall provide configuration management for the Science Software at the DAACs. IR-1 does not provide an LSM.
SMC-3315#A	A	SDPS	The LSM shall monitor its elements schedule and execution of events.	A: Performed by M&O staff using manual or semi-automated performance manage(***)ment tools
SMC-3325#A	A	SDPS	The LSM shall monitor execution of ground operations events.	A: Performed by M&O staff using manual or semi-automated performance manage(***)ment tools
SMC-3335#A	A	CSMS	The LSM shall compare and evaluate its elements actual schedule performance against planned schedule performance.	A: Performed by M&O staff using perfroormance ammanagement and scheduling tools
SMC-3415#Ir1	Ir1	CSMS	The LSM shall perform short and long-term trend analysis of element performance, including, at a minimum: a. Operational status b. Performance of a particular resource c. Maintenance activities (e.g., number of repairs per item)	OPS. This requirement is supported as follows: IR1 shall monitor the operational status of DAAC hardware and software at the EDF and will provide performance monitoring and Office Automation tools at the local sites. IR-1 does not provide an LSM.

SMC-4310#A	A	CSMS	The SMC shall perform fault analysis including, at a minimum: a. Isolation b. Location c. Identification d. Characterization	~~A: ??~~
SMC-6335#B	B	CSMS	The LSM shall, as needed, maintain and update a data tracking system that, at a minimum: a. Tracks data transport from element input to element output b. Allows the status of all product-production activities to be determined	B: Full capability through performance management tools
TRMM1230#Ir1	Ir1	SDPS	The CERES instrument team and science team shall define the ancillary, correlative, and flight dynamics data and algorithms needed for their processing.	IR1: External requirement: Information only. No action is require(***)d by ECS.
TRMM1240#Ir1	Ir1	SDPS	The CERES instrument team and science team shall provide the quick-look data processing algorithms and quick-look operations concept needed for CERES.	IR1: External requirement: Information only. No action is require(***)d by ECS.
TRMM2190#Ir1	Ir1	SDPS	The ECS MSFC DAAC shall ingest predicted orbit data from the SDPF.	IR1: IR-1 shall have the capability at the MSFC DAAC, to recieeive data from the SDPF for the purpose of testing the ingest interface between IR-1 and the SDPF.
TRMM2220#Ir1	Ir1	SDPS	The LIS science team and instrument team shall define the ancillary, correlative, and flight dynamics data and algorithms needed for their processing.	IR1: External requirement: Information only. No action is required(***) by ECS.

TRMM2230 #Ir1	Ir1	SDPS	The LIS instrument team and science team shall provide the quick-look data processing algorithms and quick-look operations concept needed for LIS.	IR1: External requirement: Information only. No action is require(***)d by ECS.
TRMM2270 #Ir1	Ir1	SDPS	ECS shall be able to accept LIS simulated data from SDPF.	IR1: This requirement is supported as follows: IR-1 shall have the capability to recei(**)ve LIS simulated data from the SDPF for the purpose of testing the ingest interface between IR-1 and the SDPF.
TRMM3010 #Ir1	Ir1	SDPS	The ECS MSFC DAAC shall ingest Level 1A data for PR and TMI from TSDIS.	IR1: This requirement is supported as follows: IR-1 shall have the capability at the M(***)SFC DAAC, to receive Level 1A data for PR and TMI from TSDIS, for the purpose of testing the ingest interface between IR-1 and TSDIS.
TRMM3020 #Ir1	Ir1	SDPS	The ECS MSFC DAAC shall ingest TRMM standard products (Level 1B-3B) for PR, and TMI from TSDIS.	IR1: This requirement is supported as follows: IR-1 shall have the capability at the M(***)SFC DAAC, to receive standard products for PR and TMI from TSDIS, for the purpose of testing the ingest interface between IR-1 and TSDIS.
TRMM3040 #Ir1	Ir1	SDPS	The ECS MSFC DAAC shall ingest algorithms and documentation for PR and TMI from TSDIS.	IR1: This requirement is supported as follows: IR-1 shall have the capability at the M(***)SFC DAAC, to receive algorithms and documentation for PR and TMI from TSDIS, for the purpose of testing the ingest interface between IR-1 and TSDIS.
TRMM3050 #Ir1	Ir1	SDPS	The ECS MSFC DAAC shall ingest TRMM Ground Validation (GV) data products and associated metadata from TSDIS.	IR1: This requirement is supported as follows: IR1 shall have the capability at the M(***)SFC DAAC, to receive Ground Validation Data from TSDIS, for the purpose of testing the ingest interface between Ir1 and TSDIS.
TRMM4010 #Ir1	Ir1	SDPS	The ECS GSFC DAAC shall ingest Level 1A data for VIRS from TSDIS.	IR1: This requirement is supported as follows: IR1 shall have the capability at the G(***)SFC DAAC, to receive Level 1A data from VIRS from TSDIS for the purpose of testing the ingest interface between IR1 and TSDIS.

TRMM4030 #Ir1	Ir1	SDPS	The ECS GSFC DAAC shall ingest TRMM browse products for VIRS from TSDIS.	IR1: This requirement is supported as follows: IR1 shall have the capability at the G(***)SFC DAAC, to receive TRMM browse products for VIRS from TSDIS for the purpose of testing the ingest interface between IR-1 and TSDIS.
TRMM4040 #Ir1	Ir1	SDPS	The ECS GSFC DAAC shall ingest from TSDIS algorithms and documentation for VIRS.	IR1: This requirement is supported as follows; IR-1 shall have the capability at the G(***)SFC DAAC, to receive algorithms and documentation for VIRS from TSIDS for the purpose of testing the ingest interface between IR-1 and TSDIS.
TRMM5010 #Ir1	Ir1	SDPS	ECS shall ingest TRMM metadata, and browse from TSDIS along with the TRMM standard products in the ECS format.	IR1: This requirement is supported as follows: IR-1 shall have the capability to recei(***)ve TRMM metadata and browse data from TSDIS, in ECS format, along with the TRMM standard products for the purpose of testing the ingest interface between IR-1 and TSDIS.
TRMM5030 #Ir1	Ir1	SDPS	ECS shall have the capability to ingest directory and guide information from TSDIS.	IR1: This requirement is supported as follows: IR-1 shall have the capability to recei(***)ve directory and guide information from TSDIS for the purpose of testing the ingest interface between IR-1 and TSDIS.
EOSD0010# A	A	FOS | CSMS	ECS shall use and support the Space Network (SN), via the EDOS/Ecom interface, to obtain the forward and return link data communications needed to achieve full end-to-end ECS functionality.	~~A&B:~~ A: ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS
EOSD0015# A	A	FOS | CSMS	ECS shall use and support the Deep Space Network (DSN), the Ground Network (GN), and the Wallops Orbital Tracking Station (WOTS), via the EDOS/Ecom/Nascom interface, as backup of the SN, to obtain forward and return link data communications.	~~A&B~~: ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS

EOSD0500# Ir1	Ir1	SDPS | CSMS	ECS shall perform the following major functions: d. Communications and Networking e. Data Input f. Data Processing	IR-1: IR1 shall perform the following major functions: 1. Communications and networ(***)king utilizing existing VO networks. 2. Data input for the purpose of testing TRMM, NESDIS and DAO ingest i(***)nterfaces. 3. Science software Integration and Test.
EOSD0010# B	B	FOS | CSMS	ECS shall use and support the Space Network (SN), via the EDOS/Ecom interface, to obtain the forward and return link data communications needed to achieve full end-to-end ECS functionality.	~~A&B~~: ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS
EOSD1600# A	A	FOS | CSMS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.	A: FOR STATUS EXCHANGES BETWEEN EOC AND EDOS CODAS AND TSS SUMMART REPORTS FROM EDOS(*); ~~A&B:~~ ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS.
EOSD1600# B	B	FOS | CSMS	The ECS elements that interface with EDOS elements shall exchange element level status data with EDOS.	B: OTHER EDOS/EOC STATUS (AS APPLICABLE). STATUS EXCHANGES BETWEEN GSFC + LARC DAACS & EDOS(*); ~~A&B:~~ ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS.
EOSD1703# Ir1	Ir1	SDPS | CSMS	ECS shall provide maintenance and operations interfaces to the DAACs to support the functions of: b). Science Algorithm Integration	IR-1: IR1 shall provide a GUI interface for displaying the operational state of mana(***)ged objects in the AITTL CI.

EOSD3700#A	A	FOS | SDPS | CSMS	ECS functions shall have an operational availability of 0.96 at a minimum (.998 design goal) and an MDT of four (4) hours or less (1.5 hour design goal), unless otherwise specified. The above requirement covers equipment including: a. "Non-critical" equipment configured with the critical equipment supporting the functional capabilities in the requirements. b. Equipment providing other functionality not explicitly stated in the RMA requirements that follow.	A: applicable DAACs - Does not apply to data processing function. Product generation is applicable to EOSD4010(**) and EOSD4020.
EOSD3700#B	B	FOS | SDPS | CSMS	ECS functions shall have an operational availability of 0.96 at a minimum (.998 design goal) and an MDT of four (4) hours or less (1.5 hour design goal), unless otherwise specified. The above requirement covers equipment including: a. "Non-critical" equipment configured with the critical equipment supporting the functional capabilities in the requirements. b. Equipment providing other functionality not explicitly stated in the RMA requirements that follow.	B: EOC, SMC, and all DAACs. Does not apply to data processing function. Product generation is applicable to(**) EOSD4010 and EOSD4020.
EOSD5110#A	A	SDPS | CSMS	ECS shall enable the separate use of data management, data processing, or data archive and distribution software components by a GCDIS data center. The GCDIS data centers will have full responsibility for integration of those components within their environment. Interfaces between the components must be developed to serve the mission of EOSDIS, but be made available for a GCDIS data center.	The segment design specification will discuss compliance in DID 305/DV2. Additional demonstration of compliance will be documented in updates to DID 313/DV3 and 207/SE1.

EOSD5110#B	B	SDPS | CSMS	ECS shall enable the separate use of data management, data processing, or data archive and distribution software components by a GCDIS data center. The GCDIS data centers will have full responsibility for integration of those components within their environment. Interfaces between the components must be developed to serve the mission of EOSDIS, but be made available for a GCDIS data center.	The segment design specification will discuss compliance in DID 305/DV2. Additional demonstration of compliance will be documented in updates to DID 313/DV3 and 207/SE1.
ICC-4020#A	A	FOS | CSMS	The ICC shall provide the capability to accept CCSDS packets from EDOS containing at a minimum the following data types: a. Spacecraft and instrument housekeeping data b. Instrument engineering data or instrument science data within which instrument engineering data is embedded c. Instrument memory dump data	A: AM-1 only; ~~A:~~ Only the GSFC and LARC DAACS will interface with EDOS.
IMS-1620#A	A	SDPS | CSMS	The IMS 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.	A: ~~Rel A:~~ Security management data
TRMM1060#Ir1	Ir1	SDPS | CSMS	The ECS LaRC DAAC shall, after notification by SDPF, retrieve CERES Level 0 production by an agreed-upon file transfer protocol.	IR1: For IR-1, this applies to ingest and temporary storage of data(***) from the SDPF for testing purposes only.

SDPS0020#A	A	SDPS	The SDPS shall receive EOS science, engineering and ancillary data from the EDOS, and SDPF, and non-EOS ancillary data (as listed in Appendix C) from ADCs.	A: oOperational support for TRMM to receive: - TRMM ancillary data from NOAA - ancillary data - in situ data - algorithms from TSDIS - science engineering data(p). sSupport interface testing of AM-1: - ancillary data - engineering data - ASTER data APPLIES ONLY TO MSFC DAAC AND LARC DAAC(p). A&B: ONLY THE GSFC AND LARC DAACS WILL INTERFACE WITH EDOS(*); A: QUICK LOOK FROM EDOS IS UNSCHEDULED
IMS-1550#A	A	SDPS	The IMS toolkit data visualization tools shall provide capabilities for image manipulation (e.g., pan, zoom, color, contrast).	A: Selecting color, zooming and panning for pseudocolor visualizations; zooming and panning for raster images.
EOSD1705#B	B	SDPS | CSMS	ECS shall support interfaces to DAAC Unique components.	B: ASF SAR interface testing, CIESIN interoperability(p). For compliance see DID207.