

Table 1 - Review

General Cleanup of DPS Requirements CCR 96-0996 From Baseline 0731

Table 1 - Review

L4 id	req_key	rel	req_type	req_status	ver_method	CCR	clarification	text	RBR_id	req_key	req_category	segment	req_type	s_verification_method	s_verification_status	a_verification_method	CCR	text	interpretation text
S-DPS-2010045	10045	A	interface	approved	demo	<u>un-verified</u>	MSS not used to meet this requirement; Resource Management polls on availability of Data Processing resources; other info provided via COTS GUIs	The PRONG CI shall request information about the health and availability of a Hardware Resource by using a Systems Management Subsystem (MSS) provided Resource Management API (Application Program Interface).	PGS-0310#B	4655	mission essential	SDPS CSMS	functional	test	unverified	test		The PGS 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.	
S-DPS-2013064	4364	A	interface	approved	demo			The PRONG CI shall provide Fault Management data to the MSS using a MSS provided Fault Management API.	SDPS-0010#A	4127	mission essential	SDPS	functional	test	unverified	test		The SDPS shall provide CSMS with operational, data processing, and data quality.	A: No accounting
S-DPS-20130									PGS-0310#A	4160	mission essential	SDPS CSMS	functional	test	unverified	test		The PGS element shall collect the management data used to support the following system management functions: a. Fault Management b. Configuration Management c. Accounting Management	

Table 1 - Review

																between it and other EOSDIS elements.		
S-DPS-20130								SDPS-0010# B	5051	mission essential	SDPS	functional	test	unverified	test	The SDPS shall provide CSMS with operational, data processing, data quality and accounting status.		
S-DPS-20140	10094	A	interface	approved	demo	unverified	Performance info of PGEs captured by Exec. Management in PDPS DB; PRONG custom S/W is not measurable on the time scale of the MSS polling cycle.	The PRONG CI shall report PRONG performance events to the MSS.	SMC-3335# A	4297	mission critical	CSMS	functional	test	unverified	test	The LSM shall compare and evaluate its elements actual schedule performance against planned schedule performance.	A: Performed by M&O staff using performance management and scheduling tools
S-DPS-20160	4367	A	interface	agreed	demo			The PRONG CI shall provide Accountability Management data to the MSS using a MSS provided Accountability Management API.	PGS-0310# A	4660	mission essential	SDPS CSMS	functional	test	unverified	test	The PGS 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.	
S-DPS-20160									PGS-0310# B	4655	mission essential	SDPS CSMS	functional	test	unverified	test	The PGS element shall collect the management data used to support the following system management functions: a. Fault Management b. Configuration Management	

Table 1 - Review

																		e. Performance Management f. Security Management g. Scheduling Management.
S-DPS-20210	4372	A	functional	approved	demo	<u>unverified</u>	Provided via COTS GUI display of H/W and PGEs; also via status returns on all PRONG components	The PRONG CI shall have the capability to determine the Operational state of a Hardware or Software component.	PGS-0310#A	4160	mission essential	SDPS CSMS	functional	test	unverified	test		The PGS 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.
S-DPS-20220	4373	A	functional	approved	demo			The operations staff shall have the capability to request a Data Processing Subsystem Resource Utilization Report from the MSS based on time span, resource classification, or operational role.	PGS-0310#A	4160	mission essential	SDPS CSMS	functional	test	unverified	test		The PGS 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.
S-DPS-20220									PGS-0370#B	4700	mission fulfillment	SDPS	functional	test	unverified	test		The PGS shall utilize the LSM to generate a PGS resource utilization report.

Table 1 - Review

S-DPS-20220									PGS-0370# A	4169	mission fulfillment	SDPS	functional	test	unverified	test		The PGS shall utilize the LSM to generate a PGS resource utilization report.	
S-DPS-20220									PGS-0310# B	4655	mission essential	SDPS CSMS	functional	test	unverified	test		The PGS 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.	
S-DPS-20230	10095	A	interface	approved	demo			The PRONG CI shall report PRONG security events to the MSS.	SMC-3315# A	6296	mission essential	SDPS	functional	demo	unverified	demo		The LSM shall monitor its elements schedule and execution of events.	A: Performed by M&O staff using manual or semi-automated performance management tools. Also MSS monitors event logs.
S-DPS-20230									SMC-3315# B	6297	mission essential	SDPS	functional	demo	unverified	demo		The LSM shall monitor its elements schedule and execution of events.	
S-DPS-									SMC-3335#	4	mission	CSMS	functional	test	unverified	test		The LSM shall	B: Full

Table 1 - Review

20230								B	9 2 1	critical		on al		ified		compare and evaluate its elements actual schedule performance against planned schedule performance.	capability (through use of various performance management and scheduling tools)
S-DPS-20230								PGS-0310#A	4 1 6 0	mission essential	SDPS CSMS	functional	test	unverified	test	The PGS 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.	
S-DPS-20230								SMC-3335#A	4 2 9 7	mission critical	CSMS	functional	test	unverified	test	The LSM shall compare and evaluate its elements actual schedule performance against planned schedule performance.	A: Performed by M&O staff using performance management and scheduling tools
S-DPS-20230								PGS-0310#B	4 6 5 5	mission essential	SDPS CSMS	functional	test	unverified	test	The PGS element shall collect the management data used to support the following system management functions: a. Fault Management	

Table 1 - Review

							PGE-version-identified in the Data Processing Request.									scientists.		
S-DPS-20440								PGS-0500#B	4875	mission essential	SDPS	functional	test	unverified	test	The PGS shall have the capability to generate Level 1 through 4 Standard Products using validated algorithms and calibration coefficients provided by the scientists.		
S-DPS-20490	4386	A	functional	approved	demo	unverified	All queued Data Processing Requests (DPRs) are valid given that only valid Plpr objects can successfully become instantiated; only successfully created PIDpr objects are passed to Job Management	The PRONG CI shall queue only validated Data Processing Requests	PGS-0480#A	4183	mission essential	SDPS	functional	test	unverified	test	The PGS shall have the capability to perform all its processing based on priority.	A: CERES, LIS
S-DPS-20510	4388	A	interface	approved	demo	unverified	RLS B = capability to manage on-demand and manage reprocessing. Rel. A: Source of all DPRs is Planning; status provided to Planning when DPR is inserted	The PRONG CI shall respond to the source of the Data Processing Request with a Data Processing Request Response upon the completion of validation and queue processing.	PGS-0285#A	4156	mission essential	SDPS	functional	test	unverified	test	The PGS shall transmit to the IMS a status message to confirm or reject a processing order. The reason for rejection shall be included.	Functionally, IMS is a part of OPS.
S-DPS-20620	4392	A	functional	approved	demo	unverified	All needed metadata is contained in the header of the ECS prouduct when staged.	The PRONG CI shall be able to determine that the metadata associated with a ECS Data Product required for PGE execution requires staging.	PGS-0270#A	4153	mission essential	SDPS	functional	test	unverified	test	The PGS shall provide the capability to perform the following functions, at a minimum: a. Allocate tasks among processors b. Suspend execution of tasks c. Resume execution of a suspended task d. Cancel execution of tasks	A Task = PGE; "Allocation of tasks among processors" is supported through resource availability. A:

Table 1 - Review

																	e. Request and verify the staging and/or destaging of data stored in the DADS	Cancel execution of tasks.
S-DPS-20670	4397	A	functional	approved	demo	unverified	<u>Metadata referred to here is the MCF provided to the PGE at run time and/or the user run time parameters needed to support PGE execution; 'staging' is not appropriate</u>	The PRONG CI shall be able to determine that metadata associated with a PGE requires staging.	PGS-0270#A	4153	mission essential	SDPS	functional	test	unverified	test	The PGS shall provide the capability to perform the following functions, at a minimum: a. Allocate tasks among processors b. Suspend execution of tasks c. Resume execution of a suspended task d. Cancel execution of tasks e. Request and verify the staging and/or destaging of data stored in the DADS	A Task = PGE; "Allocation of tasks among processors" is supported through resource availability. A: Cancel execution of tasks.
S-DPS-20735	NEW	A	functional	approved	demo	unverified	.	<u>The PRONG CI shall provide the capability to terminate the data destaging process</u>	PGS-0270#A	4153	mission essential	SDPS	functional	test	unverified	test	The PGS shall provide the capability to perform the following functions, at a minimum: a. Allocate tasks among processors b. Suspend execution of tasks c. Resume execution of a suspended task d. Cancel execution of tasks e. Request and verify the staging and/or destaging of data stored in the DADS	A Task = PGE; "Allocation of tasks among processors" is supported through resource availability. A: Cancel execution of tasks.
S-DPS-20740	4404	A	interface	approved	demo	unverified	<u>No such interface defined or planned with DSS</u>	The PRONG CI shall send an Data Request message to the SDSRV CI to terminate the data staging process.	PGS-0190#A	4144	mission essential	SDPS	functional	test	unverified	test	The PGS shall coordinate with the DADS on the staging of data for product generation.	A: TRMM and applicable DAACS
S-DPS-20750	440	A	interface	approved	demo	unverified	<u>Completion status is assoc. with the DPR in the PDPS DB to note that it has been</u>	The PRONG CI shall send a Complete Notification Status message to the source	PGS-0190#A	414	mission essential	SDPS	functional	test	unverified	test	The PGS shall coordinate with the DADS on the staging	A: TRMM and applicabl

Table 1 - Review

	5						stopped; System failures noted to the <u>Event Log</u> ;	of the Data Processing Request if the data staging process was not completed successfully for the Data Processing Request.		4							of data for product generation.	e DAACS
S-DPS-20780	4408	A	interface	approved	demo	un-verified	Metadata is in the <u>granule headers</u>	The PRONG CI shall accept metadata from the SDSRV CI.	PGS-0440#B	4751	mission essential	SDPS	functional	test	un-verified	test	The PGS shall accept from the DADS L0-L4 data products. Received information shall contain at a minimum: a. Product identification b. L0-L4 data set c. Metadata required for processing d. Current date and time e. DADS identification	B: AM-1
S-DPS-20870	4417	A	interface	approved	demo	un-verified	Completion status is assoc. with the DPR in the PDPS DB to <u>note that it has been stopped; System failures noted to the Event Log.</u>	The PRONG CI shall send a Complete Notification Status message to the source of the Data Processing Request if the data destaging process was not completed successfully for the Data Processing Request.	PGS-0380#A	473	mission essential	SDPS	functional	test	un-verified	test	The PGS shall monitor its internal operations and generate a status report periodically and on request.	This requirement implies automatic production of status reports.
S-DPS-21160	4427	A	interface	approved	demo	un-verified	PRONG creates the <u>TK Status Log File and PGE Status and Error Log</u>	The PRONG CI shall create a Status Message File to be used by the SDP Toolkit CI to collect Toolkit status and error information about the execution of a PGE.	PGS-0990#A	4223	mission essential	SDPS	functional	test	un-verified	test	The PGS shall provide error logging subroutines for use by Standard Product software in notifying the system operators of conditions requiring their attention.	
S-DPS-21170	4428	A	interface	approved	demo	un-verified	This is regarding customization of error codes. This refers to <u>static lookup files (status message files) that are staged by PRONG, not created.</u>	The PRONG CI shall create User Status Message Files to be used by the SDP Toolkit CI during PGE execution if requested through the data defining the characteristics of the PGE.	PGS-0990#B	4924	mission essential	SDPS	functional	test	un-verified	test	The PGS shall provide error logging subroutines for use by Standard Product software in notifying the system operators of conditions requiring their attention.	
S-		A	function	ap	demo			The PRONG CI shall	PGS-		missi	SDPS	fun	test	un-	test		

Table 1 - Review

DPS-21320	4434		nal	pro-ved				use a SDP Toolkit API to associate Processing-Specific Metadata with each Granule of a generated Data Product.	0510# B	4876	on essential		cti on al		ver ifie d		The PGS shall have the capability to generate metadata (see Appendix C) according to the algorithms provided by the scientists and associate this metadata with each Standard Product generated.
S-DPS-21320									PGS-0510# A	4186	missi on essential	SDPS	fun cti on al	test	un-ver ifie d	test	The PGS shall have the capability to generate metadata (see Appendix C) according to the algorithms provided by the scientists and associate this metadata with each Standard Product generated.
S-DPS-21460	4436	A	functio nal	ap pro ved	demo	un-ver ifie d	Such metadata provided via the ASCII metadata file.	The PRONG CI shall use a SDP Toolkit API to associate Q/A-Specific Metadata with each Granule of a Data Product.	PGS-0510# B	4876	missi on essential	SDPS	fun cti on al	test	un-ver ifie d	test	The PGS shall have the capability to generate metadata (see Appendix C) according to the algorithms provided by the scientists and associate this metadata with each Standard Product generated.
S-DPS-21490	4437	A	functio nal	ap pro ved	demo	un-ver ifie d	QA is in the headers of all products. All products also contain URs of input products. Reporting from inventory provides the needed information	The PRONG CI shall record the Q/A-Specific Metadata of each input Data Product as part of the Q/A-Specific Metadata of the Granule of a Data Product.	PGS-1200# A	4263	missi on essential	SDPS	fun cti on al	test	un-ver ifie d	test	The PGS shall have the capability to generate a data quality assessment report including a description of the quality of each processed product as well as the quality of each of the products input data sets.
S-DPS-21500	4438	A	functio nal	ap pro ved	demo	un-ver ifie d	In the same way as an ordinary PGE	The PRONG CI shall use algorithms provided by the scientists to perform automated QA on generated Data Products.	PGS-1050# B	4948	missi on essential	SDPS	fun cti on al	test	un-ver ifie d	test	The PGS shall provide the capability to perform both automatic and manual QA of generated products.

Table 1 - Review

S-DPS-21510	4439	A	functional	approved	demo	un-verified	QA parameters are part of MCF; extracted from ASCII metadata file	The PRONG CI shall support the capability to update Q/A metadata as required by the execution of a PGE performing automated Q/A.	PGS-0510#A	4186	mission essential	SDPS	functional	test	un-verified	test	The PGS shall have the capability to generate metadata (see Appendix C) according to the algorithms provided by the scientists and associate this metadata with each Standard Product generated.	
S-DPS-21520	4440	A	interface	approved	demo			The PRONG CI shall coordinate the deletion of the outputs of a PGE which were temporarily stored in the SDSRV CI.	PGS-0560#B	4881	mission essential	SDPS	functional	test	un-verified	test	The PGS shall maintain copies of generated products to be used as inputs to other scheduled products for processing efficiency.	B: AM-1, COLOR
S-DPS-21520									PGS-1150#B	4996	mission essential	SDPS	functional	test	un-verified	test	The PGS shall have the capability to accept the identification of products that are not to be stored in the DADS due to inferior quality or other reasons. The reason for all such actions shall also be specified.	
S-DPS-21520									PGS-1210#B	5022	mission essential	SDPS	functional	test	un-verified	test	The PGS shall coordinate the disposition of PGS data stored temporarily in the DADS.	
S-DPS-21520									PGS-0560#A	4189	mission essential	SDPS	functional	test	un-verified	test	The PGS shall maintain copies of generated products to be used as inputs to other scheduled products for processing efficiency.	A: CERES, LIS
S-DPS-21520									PGS-1210#A	4265	mission essential	SDPS	functional	test	un-verified	test	The PGS shall coordinate the disposition of PGS data stored temporarily in	

Table 1 - Review

																		the DADS.	
S-DPS-21520									PGS-1150# A	4 2 5 5	mission essential	SDPS	functional	test	unverified	test		The PGS shall have the capability to accept the identification of products that are not to be stored in the DADS due to inferior quality or other reasons. The reason for all such actions shall also be specified.	
S-DPS-21530	4 4 4 1	A	functional	approved	demo	unverified	<u>Actual names are assigned in Planning</u>	The PRONG CI shall assign a unique Granule Identifier to each Granule of a generated Data Product.	PGS-0512# A	4 1 8 7	mission essential	SDPS	functional	test	unverified	test		The PGS shall generate unique granule IDs for all products generated at the PGS.	A: CERES, LIS
S-DPS-21560	4 4 4 4	A	functional	approved	demo	unverified	<u>Applies to processor failure, not disk failure.</u>	If the resource fails during the execution of a PGE, the PRONG CI shall be capable of initiating the execution of the PGE without having to regenerate that PGE's input data.	EOSD 2990# B	3 8 9 5	mission critical	FOS SDPS CSMS	security	demo	unverified	demo		The ECS elements shall support the recovery from a system failure due to a loss in the integrity of the ECS data or a catastrophic violation of the security system.	B: all DAACs
S-DPS-21580	4 4 4 6	A	interface	approved	demo	unverified	<u>Completion info provided to PLN as only source of DPRs in Rel. A; 2nd phrase ("or the outputs...") is not applicable to Rel A;</u>	The PRONG CI shall send a Complete Notification Status message to the source of the Data Processing Request at the completion of PGE execution if the execution was terminated by the PRONG CI or the outputs of the PGE did not require destaging.	PGS-0380# A	4 1 7 3	mission essential	SDPS	functional	test	unverified	test		The PGS shall monitor its internal operations and generate a status report periodically and on request.	This requirement implies automatic periodic production of status reports.
S-DPS-21700	4 4 4 8	A	functional	approved	demo			The operations staff shall have the capability of terminating the data staging process for a Data Processing Request.	PGS-0270# A	4 1 5 3	mission essential	SDPS	functional	test	unverified	test		The PGS shall provide the capability to perform the following functions, at a minimum: a. Allocate tasks among processors	A Task = PGE; "Allocation of tasks among processors" is

Table 1 - Review

21720								A	158	essential		on		ified			the capability for an operator to interactively review and update the current data processing schedule.	processing schedule" = Active Plan.
S-DPS-21720								PGS-0300#B	4653	mission essential	SDPS	functional	test	unverified	test		The PGS shall have the capability for an operator to interactively review and update the current data processing schedule.	"Current data processing schedule" = Active Plan.
S-DPS-21750	4453	A	functional	approved	demonstrated		The operations staff shall have the capability of modifying the information associated with the Data Processing Request.	PGS-0300#A	4158	mission essential	SDPS	functional	test	unverified	test		The PGS shall have the capability for an operator to interactively review and update the current data processing schedule.	"Current data processing schedule" = Active Plan.
S-DPS-21750								PGS-0300#B	4653	mission essential	SDPS	functional	test	unverified	test		The PGS shall have the capability for an operator to interactively review and update the current data processing schedule.	"Current data processing schedule" = Active Plan.
S-DPS-21760	4454	A	functional	approved	demonstrated		The operations staff shall have the capability of viewing the Processing Queues.	PGS-0300#A	4158	mission essential	SDPS	functional	test	unverified	test		The PGS shall have the capability for an operator to interactively review and update the current data processing schedule.	"Current data processing schedule" = Active Plan.
S-DPS-21760								PGS-0300#B	4653	mission essential	SDPS	functional	test	unverified	test		The PGS shall have the capability for an operator to interactively review and update the current data processing schedule.	"Current data processing schedule" = Active Plan.
S-DPS-21770	4455	A	functional	approved	demonstrated		The operations staff shall have the capability of requesting the status of a Data Processing	PGS-0300#A	4158	mission essential	SDPS	functional	test	unverified	test		The PGS shall have the capability for an operator to interactively review	"Current data processing schedule"

Table 1 - Review

							Request.									and update the current data processing schedule.	= Active Plan.
S-DPS-21770								PGS-0410# A	4175	mission essential	SDPS	functional	test	unverified	test	The PGS shall have the capability to track the processing status of all products scheduled to be generated.	
S-DPS-21770								PGS-0380# A	4173	mission essential	SDPS	functional	test	unverified	test	The PGS shall monitor its internal operations and generate a status report periodically and on request.	This requirement implies automatic periodic production of status reports.
S-DPS-21770								PGS-0300# B	4653	mission essential	SDPS	functional	test	unverified	test	The PGS shall have the capability for an operator to interactively review and update the current data processing schedule.	"Current data processing schedule" = Active Plan.
S-DPS-21770								PGS-0380# B	4707	mission essential	SDPS	functional	test	unverified	test	The PGS shall monitor its internal operations and generate a status report periodically and on request.	This requirement implies automatic periodic production of status reports.
S-DPS-21770								PGS-0410# B	4723	mission essential	SDPS	functional	test	unverified	test	The PGS shall have the capability to track the processing status of all products scheduled to be generated.	
S-DPS-21780	445	A	functional	approved	demo		The operations staff shall have the capability of reporting resource management	PGS-0370# A	416	mission fulfillment	SDPS	functional	test	unverified	test	The PGS shall utilize the LSM to generate a PGS resource	

Table 1 - Review

	6						information-		9							utilization report.
S-DPS-21780								PGS-0370# B	4700	mission fulfillment	SDPS	functional	test	unverified	test	The PGS shall utilize the LSM to generate a PGS resource utilization report.
S-DPS-21790	4457	A	functional	approved	demo		These capabilities are needed to perform Manual Q/A.	The operations staff shall have the capability of viewing a Data Product.	PGS-1050# A	4236	mission essential	SDPS	functional	test	unverified	The PGS shall provide the capability to perform both automatic and manual QA of generated products.
S-DPS-21790								PGS-1080# A	4240	mission essential	SDPS	functional	test	unverified	test	The PGS shall have the capability to provide an inventory and review copy of generated products to the data product quality staff before the product is sent to the DADS for storage.
S-DPS-21790								PGS-1050# B	4948	mission essential	SDPS	functional	test	unverified	test	The PGS shall provide the capability to perform both automatic and manual QA of generated products.
S-DPS-21790								PGS-1080# B	4954	mission essential	SDPS	functional	test	unverified	test	The PGS shall have the capability to provide an inventory and review copy of generated products to the data product quality staff before the product is sent to the DADS for storage.
S-DPS-21800	4458	A	functional	approved	demo		These capabilities are needed to perform Manual Q/A.	The operations staff shall have the capability of viewing the algorithms used to generate a Data Product.	PGS-1050# B	4948	mission essential	SDPS	functional	test	unverified	The PGS shall provide the capability to perform both automatic and manual QA of generated products.
S-DPS-21800								PGS-1090# B	4958	mission essential	SDPS	functional	test	unverified	test	The PGS shall have the capability to provide the data product quality staff with

Table 1 - Review

																	the algorithms, calibration coefficient tables, input data sets, or other information related to product processing for the purpose of reviewing and analyzing the quality of production.
S-DPS-21800								PGS-1050# A	4 2 3 6	mission essential	SDPS	functional	test	unverified	test		The PGS shall provide the capability to perform both automatic and manual QA of generated products.
S-DPS-21800								PGS-1090# A	4 2 4 3	mission essential	SDPS	functional	test	unverified	test		The PGS shall have the capability to provide the data product quality staff with the algorithms, calibration coefficient tables, input data sets, or other information related to product processing for the purpose of reviewing and analyzing the quality of production.
S-DPS-21810	4 4 5 9	A	functional	approved	demo		These capabilities are needed to perform Manual Q/A.	The operations staff shall have the capability of viewing the ECS Data Products used to generate a Data Product.	PGS-1050# A	4 2 3 6	mission essential	SDPS	functional	test	unverified	test	The PGS shall provide the capability to perform both automatic and manual QA of generated products.
S-DPS-21810								PGS-1090# A	4 2 4 3	mission essential	SDPS	functional	test	unverified	test		The PGS shall have the capability to provide the data product quality staff with the algorithms, calibration coefficient tables, input data sets, or other information related to product processing for the purpose of reviewing and analyzing the

Table 1 - Review

																		quality of production.
S-DPS-21810								PGS-1050# B	4948	mission essential	SDPS	functional	test	unverified	test			The PGS shall provide the capability to perform both automatic and manual QA of generated products.
S-DPS-21810								PGS-1090# B	4958	mission essential	SDPS	functional	test	unverified	test			The PGS shall have the capability to provide the data product quality staff with the algorithms, calibration coefficient tables, input data sets, or other information related to product processing for the purpose of reviewing and analyzing the quality of production.
S-DPS-21820	4460	A	functional	approved	demonstrated		These capabilities are needed to perform Manual Q/A.	The operations staff shall have the capability of viewing the Calibration Coefficient Data used to generate a Data Product.	PGS-1050# B	4948	mission essential	SDPS	functional	test	unverified	test		The PGS shall provide the capability to perform both automatic and manual QA of generated products.
S-DPS-21820								PGS-1090# B	4958	mission essential	SDPS	functional	test	unverified	test			The PGS shall have the capability to provide the data product quality staff with the algorithms, calibration coefficient tables, input data sets, or other information related to product processing for the purpose of reviewing and analyzing the quality of production.
S-DPS-21820								PGS-1050# A	4236	mission essential	SDPS	functional	test	unverified	test			The PGS shall provide the capability to perform both automatic and manual QA of generated products.
S-								PGS-		mission essential	SDPS	functional	test	unverified	test			

Table 1 - Review

DPS-21820								1090# A	4243	on essential		cti on al		ver ifie d			The PGS shall have the capability to provide the data product quality staff with the algorithms, calibration coefficient tables, input data sets, or other information related to product processing for the purpose of reviewing and analyzing the quality of production.
S-DPS-21830	4461	A	functional	ap proved	demo		These capabilities are needed to perform Manual Q/A.	The operations staff shall have the capability of viewing the Ancillary Data Products used to generate a Data Product.	PGS-1050# A	4236	missi on essential	SDPS	fun cti on al	test	un-ver ifie d	test	The PGS shall provide the capability to perform both automatic and manual QA of generated products.
S-DPS-21830								PGS-1090# A	4243	missi on essential	SDPS	fun cti on al	test	un-ver ifie d	test		The PGS shall have the capability to provide the data product quality staff with the algorithms, calibration coefficient tables, input data sets, or other information related to product processing for the purpose of reviewing and analyzing the quality of production.
S-DPS-21830								PGS-1050# B	4948	missi on essential	SDPS	fun cti on al	test	un-ver ifie d	test		The PGS shall provide the capability to perform both automatic and manual QA of generated products.
S-DPS-21830								PGS-1090# B	4958	missi on essential	SDPS	fun cti on al	test	un-ver ifie d	test		The PGS shall have the capability to provide the data product quality staff with the algorithms, calibration coefficient tables, input data sets,

Table 1 - Review

																	or other information related to product processing for the purpose of reviewing and analyzing the quality of production.
S-DPS-21840	4462	A	functional	approved	demo		These capabilities are needed to perform Manual Q/A.	The operations staff shall have the capability of viewing the Status Information files associated with the generated Data Product.	PGS-1050#B	4948	mission essential	SDPS	functional	test	unverified	test	The PGS shall provide the capability to perform both automatic and manual QA of generated products.
S-DPS-21840									PGS-1090#B	4958	mission essential	SDPS	functional	test	unverified	test	The PGS shall have the capability to provide the data product quality staff with the algorithms, calibration coefficient tables, input data sets, or other information related to product processing for the purpose of reviewing and analyzing the quality of production.
S-DPS-21840									PGS-1050#A	4236	mission essential	SDPS	functional	test	unverified	test	The PGS shall provide the capability to perform both automatic and manual QA of generated products.
S-DPS-21840									PGS-1090#A	4243	mission essential	SDPS	functional	test	unverified	test	The PGS shall have the capability to provide the data product quality staff with the algorithms, calibration coefficient tables, input data sets, or other information related to product processing for the purpose of reviewing and analyzing the quality of production.
S-DPS-	4	A	functional	approved	demo		These capabilities are needed to	The operations staff shall have the	PGS-1050#	4	mission	SDPS	functional	test	unverified	test	The PGS shall provide

Table 1 - Review

21850	463			ved			perform Manual Q/A.	capability of viewing all metadata associated with the generation of a Data Product.	A	236	essen tial		on al		ifie d		the capability to perform both automatic and manual QA of generated products.	
S-DPS-21850									PGS-1090#A	4243	missi on essen tial	SDPS	fun cti on al	test	un ver ifie d	test	The PGS shall have the capability to provide the data product quality staff with the algorithms, calibration coefficient tables, input data sets, or other information related to product processing for the purpose of reviewing and analyzing the quality of production.	
S-DPS-21850									PGS-1050#B	4948	missi on essen tial	SDPS	fun cti on al	test	un ver ifie d	test	The PGS shall provide the capability to perform both automatic and manual QA of generated products.	
S-DPS-21850									PGS-1090#B	4958	missi on essen tial	SDPS	fun cti on al	test	un ver ifie d	test	The PGS shall have the capability to provide the data product quality staff with the algorithms, calibration coefficient tables, input data sets, or other information related to product processing for the purpose of reviewing and analyzing the quality of production.	
S-DPS-21990	4476	A	functio nal	ap pro ved	demo		The PRONG-CI shall provide a user interface to suspend the processing of a Data Processing Request.		PGS-0270#A	4153	missi on essen tial	SDPS	fun cti on al	test	un ver ifie d	test	The PGS shall provide the capability to perform the following functions, at a minimum: a. Allocate tasks among processors b. Suspend execution of tasks	A Task = PGE; "Allocation of tasks among processors" is supported through

Table 1 - Review

																		c. Resume execution of a suspended task d. Cancel execution of tasks e. Request and verify the staging and/or destaging of data stored in the DADS	resource availability. A: Cancel execution of tasks.
S-DPS-22000	4477	A	functional	approved	demo			The PRONG CI shall provide a user interface to resume suspended processing of a Data Processing Request.	PGS-0270#A	4153	mission essential	SDPS	functional	test	unverified	test		The PGS shall provide the capability to perform the following functions, at a minimum: a. Allocate tasks among processors b. Suspend execution of tasks c. Resume execution of a suspended task d. Cancel execution of tasks e. Request and verify the staging and/or destaging of data stored in the DADS	A Task = PGE; "Allocation of tasks among processors" is supported through resource availability. A: Cancel execution of tasks.
S-DPS-22010	4478	A	functional	approved		unverified		The PRONG CI shall provide a user interface to view the data job definition information associated with the Data Processing Request.	PGS-0300#A	4158	mission essential	SDPS	functional	test	unverified	test		The PGS shall have the capability for an operator to interactively review and update the current data processing schedule.	"Current data processing schedule" = Active Plan.
S-DPS-22050	4483	A	functional	approved	demo		These capabilities are needed to perform Manual Q/A.	The PRONG CI shall provide an interface to support the selection of visual display of a EOSHDF format Data Product files for visual display.	PGS-1050#A	4236	mission essential	SDPS	functional	test	unverified	test		The PGS shall provide the capability to perform both automatic and manual QA of generated products.	
S-DPS-22060	4484	A	functional	approved	demo		These capabilities are needed to perform Manual Q/A.	The PRONG CI shall provide an interface to support the visual display of the algorithms used to generate a Data Product.	PGS-1050#B	4948	mission essential	SDPS	functional	test	unverified	test		The PGS shall provide the capability to perform both automatic and manual QA of generated products.	

Table 1 - Review

S-DPS-22060									PGS-1090# B	4958	mission essential	SDPS	functional	test	unverified	test		The PGS shall have the capability to provide the data product quality staff with the algorithms, calibration coefficient tables, input data sets, or other information related to product processing for the purpose of reviewing and analyzing the quality of production.
S-DPS-22060									PGS-1050# A	4236	mission essential	SDPS	functional	test	unverified	test		The PGS shall provide the capability to perform both automatic and manual QA of generated products.
S-DPS-22060									PGS-1090# A	4243	mission essential	SDPS	functional	test	unverified	test		The PGS shall have the capability to provide the data product quality staff with the algorithms, calibration coefficient tables, input data sets, or other information related to product processing for the purpose of reviewing and analyzing the quality of production.
S-DPS-22070	4485	A	functional	approved	demo		These capabilities are needed to perform Manual Q/A.	The PRONG CI shall provide an interface to support the visual display of the ECS Data Products used to generate a Data Product.	PGS-1050# A	4236	mission essential	SDPS	functional	test	unverified	test		The PGS shall provide the capability to perform both automatic and manual QA of generated products.
S-DPS-22070									PGS-1090# A	4243	mission essential	SDPS	functional	test	unverified	test		The PGS shall have the capability to provide the data product quality staff with the algorithms, calibration coefficient

Table 1 - Review

																tables, input data sets, or other information related to product processing for the purpose of reviewing and analyzing the quality of production.
S-DPS-22070								PGS-1050#B	4948	mission essential	SDPS	functional	test	unverified	test	The PGS shall provide the capability to perform both automatic and manual QA of generated products.
S-DPS-22070								PGS-1090#B	4958	mission essential	SDPS	functional	test	unverified	test	The PGS shall have the capability to provide the data product quality staff with the algorithms, calibration coefficient tables, input data sets, or other information related to product processing for the purpose of reviewing and analyzing the quality of production.
S-DPS-22080	4486	A	functional	approved	demo	These capabilities are needed to perform Manual Q/A.	The PRONG CI shall provide an interface to support the visual display of the Calibration Coefficient Data used to generate a Data Product.	PGS-1050#B	4948	mission essential	SDPS	functional	test	unverified	test	The PGS shall provide the capability to perform both automatic and manual QA of generated products.
S-DPS-22080								PGS-1090#B	4958	mission essential	SDPS	functional	test	unverified	test	The PGS shall have the capability to provide the data product quality staff with the algorithms, calibration coefficient tables, input data sets, or other information related to product processing for the purpose of reviewing and analyzing the quality of production.

Table 1 - Review

S-DPS-22080								PGS-1050#A	4236	mission essential	SDPS	functional	test	unverified	test		The PGS shall provide the capability to perform both automatic and manual QA of generated products.
S-DPS-22080								PGS-1090#A	4243	mission essential	SDPS	functional	test	unverified	test		The PGS shall have the capability to provide the data product quality staff with the algorithms, calibration coefficient tables, input data sets, or other information related to product processing for the purpose of reviewing and analyzing the quality of production.
S-DPS-22090	4487	A	functional	approved	demo		These capabilities are needed to perform Manual Q/A.	The PRONG CI shall provide an interface to support the visual display of the Ancillary Data Products used to generate a Data Product.	PGS-1050#A	4236	mission essential	SDPS	functional	test	unverified	test	The PGS shall provide the capability to perform both automatic and manual QA of generated products.
S-DPS-22090								PGS-1090#A	4243	mission essential	SDPS	functional	test	unverified	test		The PGS shall have the capability to provide the data product quality staff with the algorithms, calibration coefficient tables, input data sets, or other information related to product processing for the purpose of reviewing and analyzing the quality of production.
S-DPS-22090								PGS-1050#B	4948	mission essential	SDPS	functional	test	unverified	test		The PGS shall provide the capability to perform both automatic and manual QA of generated products.
S-								PGS-		missi	SDPS	fun	test	un-	test		

Table 1 - Review

DPS-22090									1090# B	4958	on essential		cti on al		ver ifie d			The PGS shall have the capability to provide the data product quality staff with the algorithms, calibration coefficient tables, input data sets, or other information related to product processing for the purpose of reviewing and analyzing the quality of production.	
S-DPS-22100	4488	A	function al	ap pro ved	demo	<u>un-verified</u>	These capabilities are needed to perform Manual Q/A.	The PRONG CI shall provide an interface to support the <u>selection of visual display of the Status Information Production History files associated with the generated selected Data Produc for visual display</u>	PGS-1050# B	4948	missi on essential	SDPS	fun cti on al	test	un-verified	test		The PGS shall provide the capability to perform both automatic and manual QA of generated products.	
S-DPS-22110	4489	A	function al	ap pro ved	demo		These capabilities are needed to perform Manual Q/A.	The PRONG CI shall provide an interface to support the visual display of all metadata associated with the generation of a Data Product.	PGS-1050# A	4236	missi on essential	SDPS	fun cti on al	test	un-verified	test		The PGS shall provide the capability to perform both automatic and manual QA of generated products.	
S-DPS-22110									PGS-1140# A	4253	missi on essential	SDPS	fun cti on al	test	un-verified	test		The PGS shall have the capability to provide the data product quality staff with the Product QA data from the SCF.	A: CERES, LIS
S-DPS-22110									PGS-1090# A	4243	missi on essential	SDPS	fun cti on al	test	un-verified	test		The PGS shall have the capability to provide the data product quality staff with the algorithms, calibration coefficient tables, input data sets, or other information related to product processing for the purpose of reviewing	

Table 1 - Review

																	and analyzing the quality of production.	
S-DPS-22110								PGS-1050# B	4948	mission essential	SDPS	functional	test	unverified	test		The PGS shall provide the capability to perform both automatic and manual QA of generated products.	
S-DPS-22110								PGS-1090# B	4958	mission essential	SDPS	functional	test	unverified	test		The PGS shall have the capability to provide the data product quality staff with the algorithms, calibration coefficient tables, input data sets, or other information related to product processing for the purpose of reviewing and analyzing the quality of production.	
S-DPS-22110								PGS-1140# B	4994	mission essential	SDPS	functional	test	unverified	test		The PGS shall have the capability to provide the data product quality staff with the Product QA data from the SCF.	
S-DPS-22120	4490	A	functional	approved	demonstrated			The PRONG CI shall support a capability to alert the operations staff of a Data Product which is being stored temporarily in the Data Server.	PGS-0590# B	4882	mission essential	SDPS	functional	test	unverified	test	The PGS shall have the capability to indicate the temporary status of data stored in the DADS that is awaiting QA or human interaction in product production.	B: AM-1, COLOR
S-DPS-22120								PGS-1150# B	4996	mission essential	SDPS	functional	test	unverified	test		The PGS shall have the capability to accept the identification of products that are not to be stored in the DADS due to inferior quality or other reasons. The reason for all such actions	

Table 1 - Review

																	shall also be specified.	
S-DPS-22120								PGS-0590# A	4190	mission essential	SDPS	functional	test	unverified	test		The PGS shall have the capability to indicate the temporary status of data stored in the DADS that is awaiting QA or human interaction in product production.	A: CERES, LIS
S-DPS-22120								PGS-1150# A	4255	mission essential	SDPS	functional	test	unverified	test		The PGS shall have the capability to accept the identification of products that are not to be stored in the DADS due to inferior quality or other reasons. The reason for all such actions shall also be specified.	
S-DPS-22130	4491	A	functional	approved	demonstrated		The PRONG CI shall support a capability to alert the operations staff of a Data Product which requires quality assurance activities.	PGS-0590# A	4190	mission essential	SDPS	functional	test	unverified	test		The PGS shall have the capability to indicate the temporary status of data stored in the DADS that is awaiting QA or human interaction in product production.	A: CERES, LIS
S-DPS-22130								PGS-1150# A	4255	mission essential	SDPS	functional	test	unverified	test		The PGS shall have the capability to accept the identification of products that are not to be stored in the DADS due to inferior quality or other reasons. The reason for all such actions shall also be specified.	
S-DPS-22130								PGS-0590# B	4882	mission essential	SDPS	functional	test	unverified	test		The PGS shall have the capability to indicate the temporary status of data stored in the DADS that is awaiting QA or human interaction in product	B: AM-1, COLOR

Table 1 - Review

S-DPS-22130									PGS-1150#B	4996	mission essential	SDPS	functional	test	unverified	test	production.	
S-DPS-22230	4495	A	functional	approved	demo	unverified	No 'position in queue' information is available; will indicate that it is queued.	The PRONG CI shall provide current queue position as part of the status information of a Data Processing Request.	PGS-0300#A	4158	mission essential	SDPS	functional	test	unverified	test	The PGS shall have the capability to accept the identification of products that are not to be stored in the DADS due to inferior quality or other reasons. The reason for all such actions shall also be specified.	"Current data processing schedule" = Active Plan.
S-DPS-22300		NEW	functional	approved	demo	unverified		The PRONG CI shall, in support of production history data generation, send the following information to SDSRV CI for each production job run: a. Processing History Log b. PCF c. Toolkit Status Logs	PGS-1090#A	4243	mission essential	SDPS	functional	test	unverified	test	The PGS shall have the capability to provide the data product quality staff with the algorithms, calibration coefficient tables, input data sets, or other information related to product processing for the purpose of reviewing and analyzing the quality of production.	
S-DPS-22300									PGS-1090#B	4958	mission essential	SDPS	functional	test	unverified	test	The PGS shall have the capability to provide the data product quality staff with the algorithms, calibration coefficient tables, input data sets, or other information related to product processing for the purpose of reviewing and analyzing the quality of production.	
S-DPS-22400	449	A	functional	approved	demo	unverified		The PRONG CI shall accept Operations Commands to suspend, resume, or cancel the processing of a Data	PGS-0170#A	414	mission essential	SDPS	functional	test	unverified	test	The PGS shall receive priority assignments, schedule conflict	A: Schedule conflict resolution

Table 1 - Review

	9					d		Processing Request.		1							resolutions, and other operational directives.	locally @ DAAC.
S-DPS-31020	5156	A	functional	approved	demo	un-verified		The PRONG CI shall provide, at a minimum, the following metadata information to the SDP Toolkit with SDPF-generated L0 data a. Actual start time of staged L0 data b. Actual end time of staged L0 data c. Number of physical L0 data files staged d.— Start time of L0 data as requested by EOS investigators through the planning/processing system e.— End time of L0 data as requested by EOS investigators through the planning/processing system f.d APID of each L0 data file g.e Orbit number or orbit number range of the staged L0 data file	PGS-0520#A	4188	mission essential	SDPS	functional	test	un-verified	test	The PGS shall have the capability to generate data products from any single data input or combination of data inputs according to the algorithms provided by the scientists.	A: SDPF generated L0 data.
S-DPS-40020	4547	A	interface	approved	demo	un-verified	<u>The Science Software Delivery Package may contain many elements (e.g., software, test data, scripts, test results, documentation, etc.) needed for science software I&T (SSIT). The scope of the package is defined by the SSIT process tailored for the DAAC and instrument team. A science software delivery package may be only an update to a single element, e.g., updated calibration coefficient files.</u>	The AITTL CI shall have the capability to receive a Science Software Delivery from the Science Data Server.	EOSD1750#A	4837	mission essential	SDPS CSMS	interface	demo	un-verified	demo	ECS elements shall receive data including the following types of supporting information from the ECS science community (TLs, TMs, Pls, and Co-Is): a. Algorithms b. Software fixes c. Instrument calibration data d. Integration support requests e. Metadata for Special Products archiving f. Data transfer requests (inventories, directories, and browse) g. Data Quality/Instrument assessment h. Instrument operations information i. Ancillary data	A: TRMM and affected DAACs
S-		A	functional	ap	demo		<u>EOSView only</u>	The data	PGS-		missi	SDPS	fun	test	un-	test		

Table 1 - Review

DPS-40830	4577		nal	proved		<u>un-verified</u>	supports EOS HDF formats. <u>Would need to use IDL with user providing additional inputs</u>	visualization capability of the AITTL CI shall include the capability to read ASCII, binary, or HDF files.	0620#A	4195	on essential		cti on al		ver ifie d		The PGS shall have the capability to validate received calibration coefficients for completeness and correct format.	
S-DPS-40840	4578	A	functional	ap proved	demo	<u>un-verified</u>	<u>EOSView only supports EOS HDF formats. Would need to use IDL with user providing additional inputs</u>	The data visualization capability of the AITTL CI shall include the capability to allow the operations staff to specify a custom input data format.	PGS-0620#B	4887	missi on essential	SDPS	fun cti on al	test	un-verified	test	The PGS shall have the capability to validate received calibration coefficients for completeness and correct format.	
S-DPS-41330	4607	A	functional	ap proved	demo	<u>un-verified</u>		The AITTL CI shall provide to the operations staff, via a GUI, the capability to add a new PGE Database Entry.	PGS-0930#B	4902	missi on essential	SDPS	fun cti on al	test	un-verified	test	The PGS shall have the capability to transfer validated algorithm software and calibration coefficients from the test environment to the operational environment to be used in the production of Standard Products.	B: AM-1, COLOR Transfer of algorithm implies verifying proper resource utilization resources.
S-DPS-41340	4608	A	functional	ap proved	demo	<u>un-verified</u>	<u>Database entry is not deleted but is deactivated</u>	The AITTL CI shall provide to the operations staff, via a GUI, the capability to remove a specific PGE Database Entry.	PGS-0930#A	4205	missi on essential	SDPS	fun cti on al	test	un-verified	test	The PGS shall have the capability to transfer validated algorithm software and calibration coefficients from the test environment to the operational environment to be used in the production of Standard Products.	A: TRMM Transfer of algorithm implies verifying proper resource utilization resources.
<u>S-DPS-41900</u>	10606	A	functiona l	app roved	demo	<u>un-verified</u>		The AITTL CI shall provide an HTML page describing the ECS instruments and providing hyperlinks to the PGE Listing Page for each team.	<u>PGS-0605#A</u>	4193	missi on essential	SDPS	fun cti on al	test	un-verified	test	The PGS shall process pre-launch test data and provide test data product samples for user verification.	A: CERES, LIS
<u>S-DPS-</u>									<u>PGS-0900#A</u>	42	missio n essent	SDPS	fun cti on al	test	un-verified	test	The PGS shall send test products to the SCF for	

Table 1 - Review

<u>41900</u>										01	ial							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	
<u>S-DPS-41901</u>	10607	A	functiona l	app roved	demo			The AITTL CI shall provide an HTML PGE Listing Page for each instrument team, identifying each PGE for which a software package is available, with references to its Software Version Page (if it exists) or else to its Software Listing Page.	<u>PGS-0605#</u> A	4193	missi on essential	SDPS	fun ction al	test	un-verified	test		The PGS shall process pre-launch test data and provide test data product samples for user verification.	A: CERES, LIS
<u>S-DPS-41901</u>									<u>PGS-0900#A</u>	4201	missio n essential	SDPS	fun ction al	test	un-verified	test		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	
<u>S-DPS-41902</u>	10608	A	functiona l	app roved	demo			The AITTL CI shall provide an HTML Software Version Page for each PGE, if multiple baseline software versions for that PGE are available, identifying the instrument and PGE, the version number and date, and provide a reference to the Software Listing Page.	<u>PGS-0605#</u> A	4193	missi on essential	SDPS	fun ction al	test	un-verified	test		The PGS shall process pre-launch test data and provide test data product samples for user verification.	A: CERES, LIS
<u>S-DPS-41902</u>									<u>PGS-0900#A</u>	4201	missio n essential	SDPS	fun ction al	test	un-verified	test		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	

Table 1 - Review

															tasks c. Resume execution of a suspended task d. Cancel execution of tasks e. Request and verify the staging and/or destaging of data stored in the DADS	through resource availability. A: Cancel execution of tasks.	
S-DPS-41910								PGS-0960#A	4220	mission essential	SDPS	functional	test	unverified	test	The PGS shall send the DADS new or modified algorithms. This delivery shall contain the following information at a minimum: a. Source code including version number and author b. Benchmark test procedures, test data and results c. Date and time of operational installation d. Final algorithm documentation e. Calibration coefficient values	A: CERES, LIS
S-DPS-41910								PGS-0270#B	4630	mission essential	SDPS	functional	test	unverified	test	The PGS shall provide the capability to perform the following functions, at a minimum: a. Allocate tasks among processors b. Suspend execution of tasks c. Resume execution of a suspended task d. Cancel execution of tasks e. Request and verify the staging and/or destaging of data stored in the DADS	A Task = PGE; "Allocation of tasks among processors" is supported through resource availability. B: Suspend/Resume execution of task.
S-DPS-41920	9252	A	functional			The Science Software Archive Package contains the set of <u>information/data resulting from the science software I&T process. It includes, in general, the same set of elements as</u>	The AITTL CI shall provide to the operations staff the capability to store a Science Software Archive Package to the Data Server.	PGS-0270#A	4153	mission essential	SDPS	functional	test	unverified	test	The PGS shall provide the capability to perform the following functions, at a minimum: a. Allocate tasks among processors b. Suspend execution of tasks c. Resume execution of a suspended task d. Cancel execution of	A Task = PGE; "Allocation of tasks among processors" is supported through resource availability. A: Cancel

Table 1 - Review

							were delivered in the corresponding Science Software Delivery Package.									tasks e. Request and verify the staging and/or destaging of data stored in the DADS	execution of tasks.	
S-DPS-42330	4641	A B	functional	ap pro ved	demo			The operations staff shall have the capability to run binary executables without impacting other ongoing DAAC activities.	PGS-0600#A	4191	mission essential	SDPS	functional	test	un-verified	test	The PGS shall provide an algorithm and calibration test and validation environment that is fully compatible with but isolated from the operational production environment.	A: CERES, LIS
									PGS-0600#B	4883	mission essential	SDPS	functional	test	un-verified	test	The PGS shall provide an algorithm and calibration test and validation environment that is fully compatible with but isolated from the operational production environment.	B: AM-1, COLOR
S-DPS-42630	4660	A B	functional	ap pro ved	demo	<u>un-verified</u>		The operations staff shall have the capability of run PGEs in a parallel test or for a commissioning period, utilizing the Planning and Processing Subsystems and the Product output flagged as "test".	PGS-0605#A	4193	mission essential	SDPS	functional	test	un-verified	test	The PGS shall process pre-launch test data and provide test data product samples for user verification.	A: CERES, LIS
S-DPS-42630									PGS-0920#A	4203	mission essential	SDPS	functional	test	un-verified	test	The PGS shall process pre-launch test data and provide test data product samples for user verification.	
									PGS-0605#B	4885	mission essential	SDPS	functional	test	un-verified	test	The PGS shall have the capability to validate, through testing, that SCF processing algorithms will execute properly in the operational environment. Validation shall include final compilation and linkage of the source code and	B: AM-1, COLOR Transfer of algorithm implies verifying proper resource utilization resources.

Table 1 - Review

																	testing to verify proper software execution in the operational environment based on indicated data and test results provided by the SCF and the investigator, but shall not include scientific validation of products.	
								PGS-0920#B	6407	mission essential	SDPS	functional	test	un-verified	test			
<u>S-CLS-01630</u>	9837	A	functional				The DESK CI shall provide a GUI to allow SCFs to request a QA metadata update with update data.	<u>PGS-1140#A</u>	4253	mission essential	SDPS	functional	test	un-verified	test		The PGS shall have the capability to provide the data product quality staff with the Product QA data from the SCF.	A: CERES, LIS