

THE QUERIES TO CREATE THESE TABLES WERE DONE USING THE **RELB_CDR_030196** RTM DATABASE.

TABLE - L3 REQUIREMENT ALLOCATION TEXT CHANGES

req_source_id	req_key	text	clarify	query	req_title
PGS-1270	1313	The PGS design and implementation shall have the flexibility to accommodate PGS expansion up to a factor of 3 in the processing capacity with no changes to the processing design, and up to a factor of 10 without major changes to the processing design. Such expansion in capacity or capability shall be transparent to existing algorithms or product specifications. This requirement shall apply to the system at all phases of contract performance, including the final system which accommodates the product growth specified in Appendix C , as well as the at-launch system.			<u>Accommodate PGS expansion</u>

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TABLE - L3 REQUIREMENT ALLOCATION TEXT CHANGES (Continued)

req_source_id	req_key	text	clarify	query	req_title
PGS-1300	1509	Each PGS shall provide a processing capacity four times the size necessary to process all EOS science data for which it is responsible, except for the Data Assimilation Office requirements shown in Appendix C, Table C-5a, including interdisciplinary investigator processing. It shall be possible to effectively utilize the entire reprocessing capacity at each site on computers with similar architectural design (e.g., parallel processors), for a single algorithm or any mix of algorithms normally run at that site. The four times processing capacity accounts for: a. 1 times to allow for normal processing demands b. 2 times to allow for reprocessing demands c. 1 times to allow for algorithm integration and test demands, production of prototype products, ad hoc processing for "dynamic browse" or new search and <u>access</u> techniques developed by science users, and additional loads due to spacecraft overlap.			<u>PGS four times processing capacity</u>

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TABLE - L3 REQUIREMENT ALLOCATION TEXT CHANGES (Continued)

req_source_id	req_key	text	clarify	query	req_title
PGS-1310	1309	The processing capacity necessary to process all EOS science data for which each PGS is responsible shall be based on the data volumes and at-launch instrument processing load requirements (MFLOPS) assigned to each DAAC as well as the 20% yearly product growth as specified in Appendix C.			<u>PGS processing capacity for EOS science data</u>

END TABLE - L3 F&PRS REQUIREMENT ALLOCATION TEXT CHANGES

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TABLE - RBR REQUIREMENT ALLOCATION TEXT CHANGES

paragraph_id	req_key	text	clarify	query	req_interpretation	req_title
PGS-1270#A	4287	The PGS design and implementation shall have the flexibility to accommodate PGS expansion up to a factor of 3 in the processing capacity with no changes to the processing design, and up to a factor of 10 without major changes to the processing design. Such expansion in capacity or capability shall be transparent to existing algorithms or product specifications. This requirement shall apply to the system at all phases of contract performance, including the final system which accommodates the product growth specified in Appendix C , as well as the at-launch system.				<u>Accommodate PGS expansion</u>

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TABLE - RBR REQUIREMENT ALLOCATION TEXT CHANGES (Continued)

paragraph_id	req_key	text	clarify	query	req_interpretation	req_title
PGS-1270#B	5035	The PGS design and implementation shall have the flexibility to accommodate PGS expansion up to a factor of 3 in the processing capacity with no changes to the processing design, and up to a factor of 10 without major changes to the processing design. Such expansion in capacity or capability shall be transparent to existing algorithms or product specifications. This requirement shall apply to the system at all phases of contract performance, including the final system which accommodates the product growth specified in Appendix C, as well as the at-launch system.				<u>Accommodate PGS expansion</u>

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TABLE - RBR REQUIREMENT ALLOCATION TEXT CHANGES (Continued)

paragraph_id	req_key	text	clarify	query	req_interpretation	req_title
PGS-1300#A	6139	<p>Each PGS shall provide a processing capacity four times the size necessary to process all EOS science data for which it is responsible, including interdisciplinary investigator processing except for the Data Assimilation Office requirements shown in Appendix C, Table C-5a.</p> <p>It shall be possible to effectively utilize the entire reprocessing capacity at each site on computers with similar architectural design (e.g., parallel processors), for a single algorithm or any mix of algorithms normally run at that site. The four times processing capacity accounts for:</p> <ul style="list-style-type: none"> a. 1 times to allow for normal processing demands b. 2 times to allow for reprocessing demands c. 1 times to allow for algorithm integration and test demands, production of prototype products, ad hoc processing for “dynamic browse” or new search and access techniques developed by science users, and additional loads due to spacecraft overlap. 			RQMT will be phased so that processing capacity will be provided following 2 years after MSN launch.	<u>PGS four times processing capacity</u>

TABLE - RBR REQUIREMENT ALLOCATION TEXT CHANGES (Continued)

paragraph_id	req_key	text	clarify	query	req_interpretation	req_title
PGS-1300#B	6140	Each PGS shall provide a processing capacity four times the size necessary to process all EOS science data for which it is responsible, including interdisciplinary investigator processing except for the Data Assimilation Office requirements shown in Appendix C, Table C-5a. It shall be possible to effectively utilize the entire reprocessing capacity at each site on computers with similar architectural design (e.g., parallel processors), for a single algorithm or any mix of algorithms normally run at that site. The four times processing capacity accounts for: a. 1 times to allow for normal processing demands b. 2 times to allow for reprocessing demands c. 1 times to allow for algorithm integration and test demands, production of prototype products, ad hoc processing for “dynamic browse” or new search and access techniques developed by science users, and additional loads due to spacecraft overlap.			RQMT will be phased so that processing capacity will be provided following 2 years after MSN launch.	<u>PGS four times processing capacity</u>

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TABLE - RBR REQUIREMENT ALLOCATION TEXT CHANGES (Continued)

paragraph_id	req_key	text	clarify	query	req_interpretation	req_title
PGS-1310#A	4294	The processing capacity necessary to process all EOS science data for which each PGS is responsible shall be based on the data volumes and at launch instrument processing load requirements (MFLOPS) assigned to each DAAC.			A: TRMM	<u>PGS processing capacity for EOS science data</u>
PGS-1310#B	5043	The processing capacity necessary to process all EOS science data for which each PGS is responsible shall be based on the data volumes and at launch instrument processing load requirements (MFLOPS) assigned to each DAAC.			B: AM-1, COLOR RQMT will be phased so that processing capacity will be provided following 2 years after MSN launch	<u>PGS processing capacity for EOS science data</u>

END TABLE - RBR REQUIREMENT ALLOCATION TEXT CHANGES