

| RBR_id | req_key | req_category | segment | req_type | s_verif_method | s_verif_stat | a_verif_method | a_verif_stat | CCR | text | interpretation text | clarification |
|------------|---------|---------------------|---------|---|----------------|--------------|----------------|--------------|-----|---|---------------------|---------------|
| DADS1472#A | 6423 | mission critical | SDPS | <u>functional performance</u> | demo | un-verified | test | un-verified | | Each DADS shall contain the appropriate capacity to respond to contingencies, scheduling problems, and peak loads. | A: TRMM only | |
| DADS1640#A | 6424 | mission essential | SDPS | <u>functional performance evolvable</u> | demo | un-verified | test | un-verified | | The DADS shall support the number of files derivable from Appendix C, with the ability to expand to match growth. | A: TRMM only | |
| DADS2770#A | 4517 | mission fulfillment | SDPS | <u>performance functional</u> | demo | un-verified | demo | | | Upon receipt and approval of a request, the designated DADS shall make stored data products available for delivery to the requester within 24 hours for data distributed on physical media. | | |
| DADS2900#A | 6437 | mission essential | SDPS | <u>performance functional</u> | demo | un-verified | analysis | un-verified | | Each DADS shall provide archival capacity for current volume | | |

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| | | | | | | | | | | requirements plus one year. Volume requirements are specified in Appendix C. | | |
| DADS29 10#A | 4522 | mission essential | SDPS | performance <u>evolvable functional</u> | demo | un-verified | demo | | | Archival storage at each DADS shall be field-expandable. | | |
| DADS29 50#A | 4523 | mission critical | SDPS | performance <u>functional operational</u> | demo | un-verified | demo | | | In case of failure of the automated system, archive media must be capable of being manually mounted at each DADS. | | |
| DADS30 10#A | 4526 | mission essential | SDPS | performance <u>RMA</u> | inspection | un-verified | inspection | | | Archival and backup media at each DADS shall have a manufacture-rated shelf life of at least 10 years when stored in a controlled environment. | | |
| DADS30 40#A | 6438 | mission essential | SDPS | performance <u>functional</u> | inspection | un-verified | test | un-verified | | At each DADS backup media shall be removable from the DADS site (e.g., for safe off-site storage). | | |
| DADS30 55#A | 6439 | mission essential | SDPS | performance | demo | un-verified | test | un-verified | | At each DADS | | |

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| | | | | <u>functional</u> | | | | | | | all backup media shall be capable of being mounted automatically where appropriate, with the provision for manual failover. | | |
| DADS3090#A | 4530 | mission fulfillment | SDPS | <u>performance evolvable</u> | analysis | un-verified | analysis | | | | Each DADS shall be capable of 200% expansion in throughput and archive capacity without architecture or design change. This expansion capacity shall apply to the total of the at-launch requirement plus the yearly growth requirement specified in Appendix C. | | |
| EOSD1140#A | 4817 | mission fulfillment | SDPS CSMS | <u>performance operational</u> | analysis | un-verified | analysis | | | | ECS shall allocate 10% of development resources (the ECS Sustaining Engineering Facility at GSFC), including processing, storage, and | | |

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| | | | | | | | | | | networks, for the IV&V activity. | | |
| PGS-1270#A | 6192 | mission fulfillment | SDPS | performance evolvable | analysis | un-verified | analysis | un-verified | | 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, as well as the at-launch system. | | |
| DADS1472#B | 3558 | mission critical | SDPS | functional performance | demo | un-verified | demo | | | Each DADS | B: TRMM, AM-1, operations | |

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| | | | | e | | | | | | shall contain the appropriate capacity to respond to contingencies, scheduling problems, and peak loads. | staff adjustment of capability | |
| DADS1640#B | 3568 | mission essential | SDPS | <u>functional performance evolvable</u> | demo | un-verified | demo | | | The DADS shall support the number of files derivable from Appendix C, with the ability to expand to match growth. | B: TRMM, AM-1, Landsat-7 | |
| DADS2770#B | 3631 | mission fulfillment | SDPS | <u>performance functional</u> | demo | un-verified | demo | | | Upon receipt and approval of a request, the designated DADS shall make stored data products available for delivery to the requester within 24 hours for data distributed on physical media. | | |
| DADS2900#B | 3634 | mission essential | SDPS | <u>performance functional</u> | demo | un-verified | demo | | | Each DADS shall provide archival capacity for current volume requirements plus one year. Volume requirements are specified in Appendix C. | | |

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| DADS29 10#B | 3635 | mission essential | SDPS | performanc e-evolvable <u>functional</u> | demo | un- verified | demo | | | Archival storage at each DADS shall be field- expandable. | | |
| DADS29 50#B | 3636 | mission critical | SDPS | performanc e <u>functional</u> <u>operational</u> | demo | un- verified | demo | | | In case of failure of the automated system, archive media must be capable of being manually mounted at each DADS. | | |
| DADS30 10#B | 3638 | mission essential | SDPS | performanc e <u>RMA</u> | inspection | un- verified | inspection | | | Archival and backup media at each DADS shall have a manufacture- rated shelf life of at least 10 years when stored in a controlled environment. | | |
| DADS30 40#B | 3639 | mission essential | SDPS | performanc e <u>functional</u> | inspection | un- verified | inspection | | | At each DADS backup media shall be removable from the DADS site (e.g., for safe off-site storage). | | |
| DADS30 55#B | 3640 | mission essential | SDPS | performanc e <u>functional</u> | demo | un- verified | demo | | | At each DADS all backup media shall be capable of being mounted automatically where | | |

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| | | | | | | | | | | appropriate, with the provision for manual failover. | | |
| DADS3090#B | 3641 | mission fulfillment | SDPS | performance <u>evolvable</u> | analysis | un-verified | analysis | | | Each DADS shall be capable of 200% expansion in throughput and archive capacity without architecture or design change. This expansion capacity shall apply to the total of the at-launch requirement plus the yearly growth requirement specified in Appendix C. | | |
| EOSD1140#B | 3855 | mission fulfillment | SDPS CSMS | performance <u>operational</u> | analysis | un-verified | analysis | | | ECS shall allocate 10% of development resources (the ECS Sustaining Engineering Facility at GSFC), including processing, storage, and networks, for the IV&V activity. | | |
| PGS-1270#B | 6193 | mission fulfillment | SDPS | performance <u>evolvable</u> | analysis | un-verified | analysis | un-verified | | The PGS design and | | |

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| | | | | | | | | | | 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, as well as the at-launch system. | | |
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