

## REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR	CONTRACT NO./TASK NO.	JOB ORDER NUMBER	APPROP. FY
<b>QSS Group, Inc.</b>	NAS5- <b>99124</b> TASK NO. <b>100</b> AMENDMENT	<b>423-428-12-50.89</b>	<b>99</b>

**TASK TITLE:** (NTE 80 characters; include Project name)  
**Phase-1 ASTER Observation Schedule File (OSF) Parser**

(Type or print name and sign)					
ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)	DATE	ORG CODE	MAIL CODE	PHONE	
Mathew Schwaller <i>[Signature]</i>	6-8-99	423	423	301-614-5382	
BRANCH HEAD	DATE	CODE		PHONE	
Dorothy C. Perkins <i>[Signature]</i>	6/10/99	423		301-614-5048	
CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)	DATE	CODE		PHONE	
Robert S. Lebair, Jr. <i>[Signature]</i>	6/14/99	560		301-286-6382	
FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE? <small>(IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)</small>	CONTRACTING OFFICER'S QUALITY REP.		DESIGNATED FAM:		
<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	Larry Moore				

The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reqs and Certs.

*(To be completed by Contracting Officer)*  
**C.O. Requested Quote on:**  
**Date: JUN 17 1999**

Contractor will develop specification or statement of work under this task for a future procurement.     NO     YES

Flight hardware will be shipped to GSFC for testing prior to final delivery.     NO     YES     N/A

Government Furnished Property/Facilities:     NO     YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance:     NO     YES    If yes:     TOTAL     PARTIAL  
If partial, indicate onsite work in SOW by asterisk (\*)

Surveillance Plan Attached:     NO     YES

Highlighted Contract Clauses:    *(to be completed by Contracting Officer)*  
 Per Clause H.14, Task Ordering Procedure, subparagraph (f), the effective date of this task order shall be June 17, 1999.

### INCENTIVE FEE STRUCTURE (check one)

(See Contract NAS5-99124, Attachment K, Incentive Fee Plan)

	No. 1	No. 2	No. 3	<u>X</u> No. 4	No. 5
Cost	10%	50%	25%	25%	%
Schedule	15%	25%	25%	50%	%
Technical	75%	25%	50%	25%	%

*(To be completed by Contracting Officer)*

The target cost of this task order is \$ 43,651.

The target fee of this task order is \$ 239.

The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is \$ 43,890.

The maximum fee is \$ 349.

The minimum fee is \$0.

**AUTHORIZED SIGNATURE:**

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

<i>[Signature]</i> SIGNATURE OF CONTRACTING OFFICER	9/24/99 DATE	Lorrie L. Eakin Contracting Officer TYPED NAME OF CONTRACTING OFFICER
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**CONTRACTOR'S ACCEPTANCE:**

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AUTHORIZED SIGNATURE
DATE

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL**

NASA/GODDARD SPACE FLIGHT CENTER

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**PERFORMANCE SPECIFICATIONS:**

1. The OSF Parser shall be capable of generating POSFs and associated emails and shall stage them for delivery to the EDC DAAC within 30 minutes of receipt of necessary input data (the OSF and ODS).
2. The OSF parser shall conduct automated disk maintenance in such a way that the parser does not exceed available disk space on the Government-furnished computer.
3. The contractor shall configure the Government-furnished computer (including network configurations) so that the equipment can meet the requirements of the SOW.
4. The contractor shall acknowledge and begin response to OSF parser hardware or software malfunction within 1 business day of notification that such malfunction exists.
5. The contractor shall incorporate or respond to all comments received to the draft OA at the time that the final OA is generated.
6. The contractor shall meet the delivery schedule defined in the section "Milestones/Deliverables and Dates".

**MILESTONES/DELIVERABLES AND DATES:**

1. Within 2 weeks of the start of this task or within 2 weeks of the availability of the Government-furnished host computer (which ever is later) the contractor shall configure the host for development and testing, and complete the installation and check-out of the host in the GSFC environment.
2. At the time of the Mission Operations Science Simulation-2 (MOSS-2) test (schedule TBD, but approximately 3 weeks after the start of this task) generate POSFs and corresponding PDRs "by hand" from available input data and provide the POSFs and corresponding PDRs to the EDC DAAC (the EDC DAAC will use these POSFs for testing expedited Level 1 data processing).
3. Within 6 weeks of the completion of Item 2, the contractor shall port the first version of the ASTER OSF Parser to the government-furnished host and complete check-out of the ASTER OSF Parser and hardware configuration, including completion of a satisfactory test of the receipt and processing of all input files from the ASTER GDS (the OSF) and EMOC (the ODS).
4. At the time of EOS AM-1 (Terra) launch plus 27 days the ASTER OSF Parser shall be capable of routine ingest of all input files and routine generation of POSF and corresponding PDR files.
5. Before the end of the EOS AM-1 (Terra) initial check-out period (launch plus 75 days) the ASTER OSF Parser shall be capable of routine generation of POSF and corresponding PDF files, and all testing with EDC/ECS shall be completed. (EDC/ECS will begin routine generation of ASTER Level 1 expedited data using POSFs and corresponding PDFs at approximately this time or later).
6. Within 2 months of the start of this task the contractor shall provide a draft ASTER OSF Parser OA, which shall also be provided to personnel at the ASTER GDS, the EMOC and the EDC DAAC. A final version of the OA shall be delivered before the end of the period of performance of this task.
7. On a schedule to be determined, the contractor shall incorporate changes to the ASTER OSF Parser in response to comments (if any) received from the Government.
8. On a schedule to be determined, the contractor shall provide routine maintenance of the ASTER OSF Parser, equivalent to 4 hours per week during the final 6 months of the approximately 12-month period of performance of this task.
9. At the end of the task, or sooner if directed by the Government, send a copy of all scripts and source code needed to run the OSF parser software to the EDC DAAC for long-term archiving.

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Applicable paragraphs from contract Statement of Work:

**STATEMENT OF WORK:** (Continue on blank paper if additional space is required)**This task shall provide development of a software capability that will perform the following steps:**

1. Acquire an ASTER OSF up to two times per day via an ftp put from the ASTER GDS in Japan.
2. Acquire an ASTER One-Day Schedule (ODS) up to two times per day via an ftp put from the EOSDIS Mission Operations Center, EMOC.
3. Using data available in the ODS, parse the ASTER OSF file to remove all references to non-expedited data acquisitions. Generate one or more parsed OSFs (POSFs) corresponding to each expedited data observation with the correct data content, data format, and filename for ingest into the ASTER Level 0 to Level 1 processing software. Also generate one Product Data Record (PDR) for each POSF using the PDR format defined in the "Science Investigator-led Processing System" (SIPS) Interface Control Document (ICD), see "Applicable Documents" for a reference to the SIPS ICD.
4. FTP the POSFs and PDRs to a sub-directory at the EDC DAAC (EROS Data Center Distributed Active Archive Center) as soon as they are generated. In addition, send an email to the EDC DAAC operator for each POSF and PDR pair with file names and information about the start and stop time for the expedited data observations corresponding to each POSF.
5. Clean out the OSF sub-directory approximately monthly, or sooner if necessary to conserve disk space.
6. Send a copy of the OSF parser software to the EDC DAAC at the end of this task, or sooner if directed by the Government.

**Installation Requirements:** The contractor shall employ a government-provided computer workstation currently used for Total Cloud Cover interface to the ASTER Ground Data System for the ASTER OSF Parser. The contractor shall configure the Government-furnished computer in the EOSDIS operational environment at GSFC. This configuration shall include all necessary network connections.

**Operations and Maintenance:** The ASTER OSF Parser is intended to run essentially "stand alone" in the operational environment at GSFC. In the event of hardware or software malfunction, however, the contractor shall be available during a regular 40-hour work week to re-start the ASTER OSF Parser, and to otherwise maintain, reconfigure, and/or update the ASTER OSF Parser to successfully perform the delivery of the POSF to the EDC DAAC. At the direction of the Government, such maintenance may include re-programming the existing scripts and source code for the ASTER OSF Parser, or otherwise updating the ASTER OSF Parser to meet agreed changes in requirements, or to adapt to changes in the ASTER OSF file format during the period of performance of this task.

**Documentation:** The contractor shall assist in the generation of a draft and final version of a Operations Agreement (OA) for the ASTER OSF Parser.

**APPLICABLE DOCUMENTS:**

Interface Control Document Between the EOSDIS Core System (ECS) and the Science Investigator-Led Processing Systems (SIPS) Document number 423-41-57, <http://esdis-it.gsfc.nasa.gov:8080/servlet/DOC?nDocindex=69>

**TASK END DATE:** 6/30/00**PERFORMANCE STANDARDS:**

**Schedule:** On-time delivery/completion of the above.  
**Technical:** ATR's acceptance of the above.

**FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):**

Mathew Schwaller, building 32, room S216B