

GODDARD SPACE FLIGHT CENTER		TASK ORDER (Instructions and Distribution on Reverse)		PAGE 1 OF 1
1. CONTRACTOR: SSAI	2. CONTRACT NO.: NNG12HP08C	3. TASK/REVISION NO.: Task Order #045		
4. JOB ORDER NO./PROJECT:	5. FLIGHT HARDWARE /SOFTWARE; CRITICAL GSA (IF, YES, OBTAIN BLOCK 16 CONCURRENCE): YES X NO	6. DESIGNATED FLIGHT ASSURANCE MGR.:		
7. DESCRIPTION OF WORK TO BE PERFORMED (OBJECTIVES OR RESULTS DESIRED): Radiometric Calibration and Development Facility				
8. TASK DOCUMENTATION REQUIREMENTS/DELIVERABLE ITEMS: (See Attached Task Order)				
9. PERFORMANCE/MILESTONE SCHEDULE: May 1, 2015 – April 30, 2016				
10. QUALITY ASSURANCE REQUIREMENTS: N/A				
11. TRAVEL, MATERIALS, ETC., KNOWN TO BE REQUIRED: (See Attached Task Order)				
12. OTHER (FUNDING, NTE, HOURS, ETC.): Total Cost: Fee: Total Price: \$285,800				
13. TASK ORIGINATOR/MONITOR/CODE/PHONE: Scott Janz/614.0/4-5987		18. THIS TASK ORDER IS ISSUED PURSUANT TO THE TERMS OF THE CONTRACT.		
14. BRANCH APPROVAL:	15. DIVISION CONCURRENCE:	 CONTRACTING OFFICER'S SIGNATURE/ DATE Ayana A. Briscoe Ayana A. Briscoe Contracting Officer TYPED OR PRINTED NAME		
16. CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE: Joel Susskind				
17. CONTRACTOR SIGNATURE:				

Science Systems and Applications, Inc.
NNG12HP08C
Task Order Statement of Work

Task Order Number: CY4_045_Rev0

Task Order Title: Radiometric Calibration and Development Facility

1.0 Task Monitor (TM):

Name: Scott Janz
Organization: 614: Atmospheric Chemistry and Dynamics Laboratory
Email Address: scott.j.janz@nasa.gov

2.0 Description of Work to be Performed

The following activities will be performed under this task:

- Support code 614 Radiometric Calibration and Development Facility (RCDF), which includes the maintenance of a Class 10,000 clean room.
- Maintain and operate the RCDF calibration standards traceable to the National Institute of Standards and Technology. Maintain records to meet ISO 9000 standards.
- Provide laboratory calibration support for approximately four remote sensing instruments designed for space, aircraft, and ground based missions.
- Maintain and upgrade optical and electro-mechanical test and ground support equipment and software for testing spectroradiometers designed for ground, airborne and space environments, operating in the UV, VIS and NIR wavelengths.
- Develop and test new low cost ground based and airborne instruments suitable for accurate sky radiance and/or irradiance measurements.
- Develop efficient and accurate trace gas retrieval algorithms compatible with ground instruments.
- Maintain and calibrate ground based observing systems in support of satellite validation, e.g. , SBUV/2 OMI, OMPS.
- Process, analyze, and archive all data taken in support of the above activities.
- Closely collaborate with science community and prepare data for dissemination by means of workshops, conferences and publications.
- Support JPSS sensor development, test, calibration, and operations. Support includes, but is not limited to, planning, software development, and analysis.

3.0 Special Requirements

None

4.0 Performance/Milestone Schedule

The SAS Contract Year 4 POP is May 01, 2015 - April 30, 2016

5.0 Deliverables/Reporting Requirements

- Contributions to scientific publications, workshops/conferences/symposia, both oral presentations and written contributions.
- Quarterly and annual reports.
- Delivery and availability of quality-controlled datasets and web-based material.
- Software and hardware documentation.
- Reports documenting participation in conferences, workshops, symposia, working groups and field activities.

6.0 Other Information Needed for Performance of Task

Anticipated travel in support of a field campaign to Denver for 30 days.

7.0 Data Rights

N/A

8.0 Safety

Staff on this task shall comply with federal, state, local, and center safety regulations. This shall be accomplished through management emphasis, technical training, and personal responsibility. Staff shall participate in safety orientation and training in accordance with the contract Safety and Health Plan, and work within the requirements of that plan.

9.0 Risk

Contractor shall provide ongoing risk assessment and mitigation in performance of the Task Order. Priorities shall be re-evaluated as appropriate with the TM. Cost and schedule performance shall be assessed on a regular basis (no less frequently than monthly) and significant variations discussed and acted on in consultation with the TM and COR.

10.0 Proposed Cost and Fixed Fee

In accordance with Paragraph B.8 of the contract, propose the Cost and Fixed Fee amount.