

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 #036		
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): Satellite Aerosol Data Analysis				
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: \$107,031				
13. TASK ORIGINATOR/MONITOR/CODE/PHONE: Ralph Kahn/613.0/4- 6193		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		
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_036_Rev0
Task Order Title: Satellite Aerosol Data Analysis

1.0 Task Monitor (TM):

Name: Ralph Kahn
Organization: 613: Climate and Radiation Laboratory
Email Address: ralph.a.kahn@nasa.gov

2.0 Description of Work to be Performed

The overall effort is to provide programming and data analysis support for refining and validating satellite aerosol-retrieval algorithms, and for multi-disciplinary aerosol science applications. This task involves maintaining and upgrading the MISR Research Aerosol Retrieval algorithm at GSFC, along with supporting data analysis software for a range of scientific studies, as well as contributing to the research efforts in a supporting role. The studies focus on wildfire smoke, desert dust, volcanic ash, and urban pollution particles, and their impacts on climate and air quality, using data from MISR, MODIS, CALIPSO, OMI, suborbital sources, and meteorological and aerosol transport models. Specific components include:

- Help maintain, upgrade, and evaluate the MISR Research aerosol retrieval software, including helping generate a MISR Research Aerosol Product
- Provide software and data analysis support for studies of desert dust transport, wildfire smoke plume development, urban aerosol pollution exposure, aerosol air mass distribution, and aerosol transport model inter-comparisons
- Support refining and validating the MISR Standard multi-angle aerosol/surface retrieval algorithm, through a combination of field data analysis, statistical comparisons with surface-based observations, and runs of forward routines and the MISR Research Aerosol Retrieval Algorithm
- Participate in writing peer-reviewed scientific papers

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

Travel to one domestic meeting during the year to present results of the MISR Research Aerosol Retrieval algorithm at a technical meeting.

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.