

GODDARD SPACE FLIGHT CENTER		TASK ORDER (Instructions and Distribution on Reverse)		PAGE 1 OF 2
1. CONTRACTOR: SSAI	2. CONTRACT NO.: NNG12HP08C	3. TASK/REVISION NO.: Task Order #009		
4. JOB ORDER NO./PROJECT:	5. FLIGHT HARDWARE /SOFTWARE; CRITICAL GSA (IF, YES, OBTAIN BLOCK 16 CONCURRENCE): YES <input checked="" type="checkbox"/> NO	6. DESIGNATED FLIGHT ASSURANCE MGR.:		
7. DESCRIPTION OF WORK TO BE PERFORMED (OBJECTIVES OR RESULTS DESIRED): Support for the Code 614 Two-Dimensional Models				
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: \$138,504				
13. TASK ORIGINATOR/MONITOR/CODE/PHONE: Luke Oman/614.0/4- 6032		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 Makara Neville 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_009_Rev0

Task Order Title: Support for the Code 614 Two-Dimensional Models

1.0 Task Monitor (TM):

Name: Luke Oman
Organization: 614: Atmospheric Chemistry and Dynamics Laboratory
Email Address: luke.d.oman@nasa.gov

2.0 Description of Work to be Performed

- a. Conduct analyses of atmospheric changes, including natural and anthropogenic perturbations, in the troposphere, stratosphere, and mesosphere using the GSFC two-dimensional (2D) fixed transport, 2D interactive, and three-dimensional (3D) chemistry and transport models.
- b. Use 2D and 3D models, as necessary, in analysis and study of the Earth's atmosphere.
- c. Provide support to improve the 2D models by improving resolution and updating input parameters including the chemical kinetic data.
- d. Provide support to the 2D modeling effort by utilizing meteorological data to represent dynamical variations in the empirical model.
- e. Support testing of the 2D models and analysis of their representations of atmospheric chemistry and transport by comparison of model fields with observations from satellites including the Upper Atmosphere Research Satellite, the Total Ozone Mapping Spectrometer instrument satellites, EOS Aura, and others.
- f. Develop and maintain IDL software to facilitate comparisons of 2D model fields with atmospheric observations.
- g. Maintain ongoing documentation of any changes and improvement of the 2D models' code, and provide documentation for IDL software used in routine analysis of model fields.
- h. Provide documentation of the above with annual reports and contribute to the publication, in the refereed literature, of scientific results from the two-dimensional model studies.
- i. Provide timely contributions to science proposal(s) for NASA HQ programs when needed.

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

No other information needed for performance of task

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.