

GODDARD SPACE FLIGHT CENTER		<b>TASK ORDER</b> (Instructions and Distribution on Reverse)		PAGE 1 OF 1
1. CONTRACTOR: SSAI	2. CONTRACT NO.: NNG12HP08C	3. TASK/REVISION NO.: Task Order #040		
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):  OMPS NPP Science Team Support Task				
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:                      \$535,475				
13. TASK ORIGINATOR/MONITOR/CODE/PHONE:  Richard Mcpeters/614.0/4-60		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\_040\_Rev0

Task Order Title: OMPS NPP Science Team Support Task

### 1.0 Task Monitor (TM):

Name: Richard Mcpeters  
Organization: 614: Atmospheric Chemistry and Dynamics Laboratory  
Email Address: richard.d.mcpeters@nasa.gov

### 2.0 Description of Work to be Performed

This task directly supports the OMPS NPP Science Team in its core responsibility of evaluating sensor design, sensor performance, and algorithm performance in terms of their ability to produce ozone Climate Data Records. Staff will perform sensor data analysis, sensor simulations, end-to-end system simulations, document review, operations planning, and data systems planning in support of Science Team goals. Broad work areas include:

- Support JPSS NPP Project requests
- Evaluate OMPS algorithms in terms of ozone CDR adequacy
- Evaluate SSPR planned operations in terms of ozone CDR adequacy
- Support Cal/Val activities for OMPS
- Evaluate alternative SDR and EDR algorithms and data processing approaches with the goal of improved CDR performance
- Do test processing of OMPS nadir sensor data for evaluation purposes
- Evaluate proposed OMPS operations
- Implement the most accurate algorithms for retrieving ozone and ancillary products from the OMPS sensors and document the algorithms in an ATBD
- Develop alternative SDR and EDR algorithms and data processing approaches with the goal of improved CDR accuracy
- Support similar goals for application to data from the DSCOVR EPIC instrument.

### 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 may be required to attend project workshops, scientific meetings or to support field campaigns. This may require domestic or foreign travel, which will be determined on a case by case basis.

#### 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.