

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 #019

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):

HIWRAP, EXRAD, & CRS

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: \$179,511

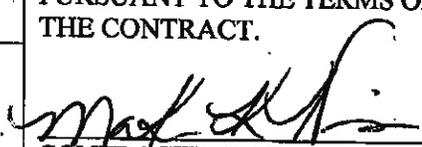
13. TASK ORIGINATOR/MONITOR/CODE/PHONE:

Gerry Heymsfield/612.0/4-6369

14. BRANCH APPROVAL:

15. DIVISION
CONCURRENCE:

18. THIS TASK ORDER IS ISSUED
PURSUANT TO THE TERMS OF
THE CONTRACT.


CONTRACTING OFFICER'S
SIGNATURE/ DATE

16. CONTRACTING OFFICER'S TECHNICAL
REPRESENTATIVE:

Joel Susskind

Makara K. Nevils 5/28/15
TYPED OR PRINTED NAME

17. CONTRACTOR SIGNATURE:

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

Task Order Number: CY4_019_Rev0
Task Order Title: HIWRAP, EXRAD, & CRS

1.0 Task Monitor (TM):

Name: Gerry Heymsfield
Organization: 612: Mesoscale Atmospheric Processes Laboratory
Email Address: gerry.heymsfield@nasa.gov

2.0 Description of Work to be Performed

This task supports the development and maintenance of three new aircraft-based radar instruments to obtain tropospheric wind and precipitation measurements. High-altitude Wind and Rain Airborne Profiler (HIWRAP) is a currently operational radar for measuring winds in hurricanes. The Cloud Radar System (CRS) is undergoing a major upgrade and it will be used for simulating radar measurements for the ACE mission. ER-2 X-band Radar (EXRAD) is a replacement for the existing EDOP radar and will be used for convection studies. Specific efforts under this task include the following:

- Work with engineering team members to develop and maintain the three radars
- Perform mechanical engineering, analysis, and fabrication for the Goddard radars. For all design tasks, any engineering drawings that will be required will be created IAW best industry practices and to a Level II standard, creation of Level III drawings are not required.
- Perform software development and data processing tasks as needed for the Goddard radars.
- Support development of interface and other boards for the Goddard radars.
- Support development of advanced radar algorithms for airborne and spaceborne radars.
- Travel in support of instrument development and field campaigns as 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

Travel by contractor staff may be required to attend project workshops and/or scientific meetings. 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 Risks

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.