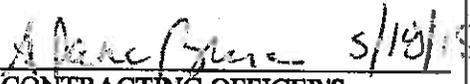


| GODDARD SPACE FLIGHT CENTER | | TASK ORDER (Instructions and Distribution on Reverse) | | PAGE 1 OF 1 |
|--|--|---|--|-------------|
| 1. CONTRACTOR: SSAI | 2. CONTRACT NO.: NNG12HP08C | 3. TASK/REVISION NO.: Task Order #005 | | |
| 4. JOB ORDER NO./PROJECT: | 5. FLIGHT HARDWARE /SOFTWARE; CRITICAL 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): AIST (Super Cloud Library) | | | | |
| 8. TASK DOCUMENTATION REQUIREMENTS/DELIVERABLE ITEMS: (See Attached Task Order Plan) | | | | |
| 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: \$184,779 | | | | |
| 13. TASK ORIGINATOR/MONITOR/CODE/PHONE: Wei-kuo Tao/612.0/4- 6269 | | 18. THIS TASK ORDER IS ISSUED PURSUANT TO THE TERMS OF THE CONTRACT. | | |
| 14. BRANCH APPROVAL: | 15. DIVISION CONCURRENCE: |  5/19/15 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_005_Rev0
Task Order Title: AIST (Super Cloud Library)

1.0 Task Monitor (TM):

Name: Wei-kuo Tao
Organization: 612:Mesoscale Atmospheric Processes Laboratory
Email Address: wei-kuo.tao-1@nasa.gov

2.0 Description of Work to be Performed

Support diagnostic and modeling studies on relationship among tropical rainfall, SST and other atmospheric and surface hydrologic variables, in the context of extremes and climate change. Specific work includes:

- Developing a data model to reformat GCE and NU-WRF data in lat, lon, level, bin, time.
- Develop a Hadoop format transformer to enable Hadoop to read these reformatted data items.
- Developing an APIs to diagnose/visualize and subset data stored in Hadoop.
- Developing a Web GUI interface to allow a user to diagnose/visualize and subset data stored in Hadoop.
- Ensuring the IT security of computer systems used.

3.0 Special Requirements

N/A

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 required to attend project workshops, scientific meetings or to support field measurement programs.

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.

0.9 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.