**Position:** Postdoctoral Research Associate

**DEPARTMENT:** Moss Landing Marine Laboratories  
**IMMEDIATE SUPERVISOR:** Dr. Kenneth Coale  
**POSTING DATE:** November 20, 2015  
**CLOSING DATE:** November 30, 2015  
**SALARY:** Commensurate with experience  
- Full time  
- Benefited  
**EXEMPT STATUS:** Exempt

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**GENERAL NATURE OF POSITION:** Postdoctoral research associate in atmospheric-oceanic interactions at the air/sea interface. Will conduct research on topics of air-sea interaction, and will produce research reports and publications.

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**ESSENTIAL DUTIES & RESPONSIBILITIES:**

1. Incumbent will conduct research on topics of air-sea interaction, including the physics of air-sea flux exchanges, fog formation and evolution, and effects of the near surface atmosphere on propagation of electromagnetic wave propagation using existing measurement or modeling data or participate in field activities to obtain new measurements. Some of the research work is in collaboration with MLML research partners.

2. Incumbent will assist in the collection of meteorological and electromagnetic data from ships, boats, planes, buoys, towers and land based platforms.

3. Incumbent must be familiar with sensor deployment, trouble-shooting and operation and maintenance.

4. Incumbent must be familiar with data reduction, analysis and modeling.

5. Produce research reports and publications and work independently.

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**INTERPERSONAL CONTACTS:**

Incumbent will work independently and in collaboration with national and international colleagues. Must possess excellent written and oral communication skills.
QUALIFICATIONS:

1) Education and Experience

   Ph D in meteorology or atmospheric sciences
   At least two years of postdoctoral experience on topics of air-sea interaction and microwave propagation in the atmosphere.

2) Knowledge, Skills and Abilities required

   - Broad knowledge of atmospheric boundary layer and air-sea interaction;
   - Extensive experience in data processing, especially those associated with aircraft and buoy measurements for turbulence and cloud microphysics and from various mesoscale or large-scale models and satellite measurements;
   - Extensive experience in data processing software such as MATLAB.
   - Troubleshooting of field measurement and test equipment.

3) Physical Requirements

   Able to participate in field measurements on ships, research aircraft, or remote overland measurement sites.

4) Complexity of Duties

   Job duties are highly complex and include and involve launching and recovering of lower atmosphere sensor packages from buoys, boats, aircraft and land based platforms, integrating diverse meteorological and electromagnetic data streams, analyzing and modeling the results, writing up and presenting findings, working with a diverse team of oceanographers and meteorologists.

SUPERVISORY RESPONSIBILITIES:

The incumbent will work collaboratively with professors and graduate students from the Naval Postgraduate School and Moss Landing Marine Laboratories, primarily, and other researchers involved with this collaborative effort. Incumbent may help advise graduate students, but will have no direct supervisorial responsibilities.

APPLICATION PROCEDURE

To apply for this position, you may submit a letter of interest and a resume or an application. An application and other information may be obtained from the Research Foundation Human Resources Department, through the Research Foundation’s web site at foundation-jobs@sjsu.edu or in person by visiting the Foundation, located at 210 North 4th Street, 4th Floor, San Jose, CA (corner of St. James and North 4th Streets). An application will be required for those interviewed.

San Jose State University Research Foundation
Attn: HR/Job Code PDR
210 North 4th Street
San Jose, CA 95112
E-mail: foundation-jobs@sjsu.edu

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The SJSURF has also implemented California State University Policy Memorandum HR 2015 – 08 (http://www.calstate.edu/HRAdm/pdf2015/HR2015-08.pdf).

A background check (including a criminal records check) must be completed satisfactorily before any candidate can be offered a position with the SJSURF. Failure to satisfactorily complete the background check may affect the application status of applicants or continued employment of current SJSURF employees who apply for the position.