

**Job Title: Ocean Color Remote Sensing Specialist**  
**Location: Narragansett, RI**  
**Clearance Required: Public Trust Eligible**

**Description (scope of work)**

IBSS is seeking a Full Time Remote Sensing Specialist to develop hyperspectral oceanographic remote sensing products that are applicable to the NASA Plankton, Aerosol, Cloud, ocean Ecosystem (PACE) mission. The remote sensing specialist will work with a team of academic and federal scientists to compile and collect *in situ* optical measurements and create operational products relevant for fisheries science and ecosystem based management.

**Key Responsibilities:**

- Compile a comprehensive *in situ* dataset of radiometry, inherent optical properties, phytoplankton pigments, and other products by data mining existing observations and collection of additional observations on planned NOAA NEFSC Ecosystem Monitoring cruises.
- Test, develop, refine and validate hyperspectral water mass classification and pigment algorithms from *in situ* observations and identify additional products for development.
- Collaborate with academic and federal colleagues to synergistically align activities with the NASA PACE community of practice.
- Develop code to acquire, process and generate hyperspectral products from the NASA PACE ocean color sensor.
- Work with NOAA NESDIS to transition into operations newly developed products and the generation of associated metadata.
- Assimilate new products into ecosystem based management and integrated ecosystem assessment products produced at the Northeast Fisheries Science Center.
- Produce and contribute to the development and publication of scientific presentations, peer-reviewed manuscripts, and outreach products.
- Mentor graduate students and interns.

**Required Skills /Education/ Certifications & Qualifications:**

- A Masters degree in marine science, oceanography, or related field. PhD preferred.
- Extensive experience with ocean color remote sensing
- Experience with coding and statistical software (IDL, Python or Matlab preferred)
- Proficient skills in communicating scientific results
- The ability to work independently and collaboratively with an interdisciplinary team

**Desired Skills:**

- *Experience developing remote sensing algorithms*
- *Experience working in IDL*
- *Knowledge of Open Science principles and experience with version control software (GitHub preferred)*
- *Project management experience*

## **About IBSS Corp.**

IBSS is a Woman-Owned business. Since 1992, IBSS has provided specialized professional, scientific, technical, cybersecurity, IT, and software engineering solutions to the Federal sector. Our clients include the National Oceanic and Atmospheric Administration (NOAA), the Department of Defense (DoD), and the Department of Justice (DOJ). We are committed to serving our clients and employees by delivering service excellence, creating value through technology, and continually improving our skills, services, and processes. Moreover, we maintain an ISO 9001:2015 certification which allows us to optimize current industry best practices to enhance delivery outcomes for our clients.

IBSS offers a competitive benefits package including medical, dental, vision and prescription drug coverage with company-paid deductible, paid time off, federal holidays, matching 401K plan, tuition/professional development reimbursement, and Flex-Spending (FSA)/Dependent Care Account (DCA) options.

IBSS is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by applicable law.