

# Imagery Scientist

**Req ID:** SB\_IS\_01 – SB\_IS\_03

**Position Title:** Imagery Scientist

**Classification Requirement:** TS/SCI with CI polygraph

## Position Description:

Provide imagery science support specifically related to the exploitation of radar, infrared, spectral, or geospatial (including photogrammetry and LiDAR) imagery to assist the government/contractor team in optimizing the collection and exploitation of varied imagery data types, especially those categorized as Advanced Geospatial Intelligence (AGI). Provide scientific analysis support to imagery/geospatial analysts to augment their appraisals of current intelligence issues. Apply AGI techniques and capabilities to mission issues, and incorporate emerging and innovative technologies and products into analysis. Evaluate commercial, academic, and outside approaches and algorithms, refinement, development of measures of effectiveness, improvements to system environments, and creation of new procedures. Capture plans, schedules, status updates and results through formal and informal written reports and briefings.

Because we serve on a greater team that serves our country, the Imagery Scientist is required to possess an active Top Secret/Sensitive Compartmented Information (TS/SCI) security clearance and successfully complete a counterintelligence (CI) Polygraph.

## Required Skills:

### Journeyman

- At least 3 years of relevant imagery science experience. \*
- Formal training in remote sensing and/or earth science/physical science, or engineering/mathematical disciplines.
- Practical experience using AGI processing and exploitation software.
- Experience in at least one of the sensor disciplines: spectral, radar, LiDAR, infrared, or photogrammetry.
- Demonstrated experience using software packages used for the processing and analysis of imaging radar data.

### Senior (in addition to Journeyman requirements)

- At least 10 years of relevant imagery science experience. \*
- Advanced formal training in remote sensing and/or earth science/physical science, or engineering/mathematical disciplines.
- Practical experience using AGI processing and exploitation software.
- Experience in at least one of the sensor disciplines: spectral, radar, LiDAR, infrared, or photogrammetry.



- Knowledge in the science of infrared image formation, collection parameters, processing, and radiometric analysis.
- Demonstrated experience using software packages used for the processing and analysis of imaging radar data.
- Knowledge of imaging radar system technology and collection parameters.

**Expert (in addition to Journeyman and Senior requirements)**

- At least 20 years of relevant imagery science experience. \*
- Detailed experience using AGI processing and exploitation software.
- Proficiency in the sensor disciplines (radar, infrared, spectral, and geospatial).
- Detailed knowledge of basic SAR AGI collections systems (both space-borne and airborne), operations, phenomenology, and their impact on SAR AGI processing, analysis, and exploitation.
- Detailed knowledge in the science of infrared image formation, collection parameters, processing, and radiometric analysis.
- Proficiency with using COTS image software (e.g. ENVI, ERDAS Imagine), COTS desktop software (e.g. MS Office), and the Windows and UNIX operating environments. Of particular importance are software packages used for the processing and analysis of imaging radar data.
- Demonstrated strong writing and briefing skills consistent with national-level performance; this includes the skills needed to prepare NGA Imagery Intelligence Brief reports.

\* A bachelor's degree in a field related to the support services may count for up to four years of this experience. A master's degree in a field related to the support services may count for up to two additional years of this experience. A doctorate degree in a field related to the support services may count for up to three years of this experience.

**SAGE black is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, pregnancy, sexual orientation, gender identity, national origin, age, protected veteran status or disability status.**

**Position Locations:** Colorado Front Range Area, National Capitol Region, Worldwide

**Security Clearance:** TS/SCI w/Poly

**Business Unit:** Intelligence Community

**Programs:** Confidential

**Position Class:** Analyst

**Position Category:** Journeyman to Expert

**Virtual:** No

**Relocation Available:** Yes

**Work Schedule:** Regular and 9/80 available

**Full-Time / Part-Time:** Full-Time