

## ESO / NRAO Vacancy Notice

The Atacama Large Millimeter Array (ALMA) is an international astronomy facility. ALMA is an equal partnership between Europe and North America, in cooperation with the Republic of Chile, and is funded in North America by the **U.S. National Science Foundation (NSF)** in cooperation with the **National Research Council of Canada (NRC)**, and in Europe by the **European Southern Observatory (ESO)** and Spain.

ALMA construction and operations are led on behalf of North America by the **National Radio Astronomy Observatory (NRAO)**, which is managed by **Associated Universities, Inc. (AUI)** and on behalf of Europe by **ESO**. Japan is also a major participant in the international ALMA collaboration and will provide major enhancements to the North American and European program. Japan's effort is led by the **National Astronomical Observatory of Japan (NAOJ)** in cooperation with Academia Sinica Institute of Astronomy and Astrophysics (ASIAA) in Taiwan.

This poster seeks candidates for:

### **ALMA Science Operations Astronomers – Joint ALMA Observatory**

**Duties and Responsibilities:** ALMA Science Operations astronomers will be based primarily in the ALMA offices in Santiago, with regular trips to the OSF to serve as Astronomer on Duty (AoD). They will also travel periodically to the ALMA Regional Centers (ARCs) to work with the ALMA partners. The responsibilities of the Operations astronomers include:

- Scheduling and execution of observations;
- Execution and development of the ALMA Calibration plan;
- Data quality assurance;
- Track the progress of observing programs;
- Support of array reconfigurations;
- Development of operations documentation and web pages;
- Technical reviews of ALMA proposals.

Before ALMA early science operations (2011), the Science Operations astronomers will support the

Commissioning and Science Verification team, assisting the Project Scientist in planning and executing the scientific commissioning of ALMA. They will participate in tests and evaluations of the ALMA control software and software tools for science operations, and in the planning of science operations.

The successful candidates will be expected and encouraged to conduct astronomical research. Research in areas directed towards use of ALMA will be strongly encouraged.

**Professional requirements / Qualifications:** We are seeking astronomers with substantial experience in millimeter observations as well as a proven track record of scientific research. The ideal candidate will have previous experience in operating radio interferometers and/or single-dish telescopes and instruments. A good command of the English language, proven communication skills and ability to work in a multidisciplinary team, including operators, astronomers and system/software engineers, are essential. A successful high altitude medical check is a necessary condition for this position.

**Duty station:** Santiago and the Operations Support Facility (OSF) near San Pedro de Atacama, Chile. The successful applicant will be required to spend a significant amount of time working at the ALMA sites at OSF (2.900m elevation) and occasionally at the Array Operations Site (5.000m elevation).

**Starting date:** As soon as possible.

**Contract:** The initial contract is for a period of three years with the possibility of a fixed-term or indefinite extension.

**Remuneration:** ALMA international staff will be recruited as employees of either ESO or AUI/NRAO. ESO and AUI/NRAO offer attractive remuneration packages including a competitive salary, comprehensive social benefits, and provide financial support in relocating families. Furthermore, an expatriation allowance as well as some other allowances may be added.

Applications should be sent to Human Resources, at either of the following addresses:

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ESO, Karl-Schwarzschild-Str. 2, Garching, D-85748 Germany; or NRAO, 520 Edgemont Road, Charlottesville VA 22903, USA.

Applicants submitting their application to ESO are invited to apply online at <https://jobs.eso.org/>. Applications must be completed in English and should include a CV, a list of publications and a description of research interests. Applicants should also arrange for **three letters of reference** to be sent to [vacancy@eso.org](mailto:vacancy@eso.org).

**Deadline for applications is 1 March 2010.**

For further information please consult the ESO Home Page (<http://www.eso.org/>).

The NRAO/ESO are equal opportunity employers. The post is equally open to suitably qualified male and female applicants.