



Simons Observatory Chilean Hiring

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The Simons Observatory is a new mm-wave observatory being built in Northern Chile near San Pedro de Atacama that will observe the cosmic microwave background (CMB) to better understand the history and fundamental physics of the universe. We plan to start construction in April of 2019. For more information about this observatory, see <http://simonsobservatory.org>.

The Simons Observatory plans to hire three Chilean positions to start in 2019, including a site manager and two (2) site engineers/technicians. These positions are described below. If you are interested in these positions, please contact Kam Arnold, faculty at the University of California, San Diego, at arnold@ucsd.edu.

For all positions, the successful candidate would be expected to reside in San Pedro de Atacama, or if residing elsewhere in Chile, be able to do shifts where they spend 9 days in San Pedro and then take 5 days off. Housing can be provided in San Pedro.

Site Manager

The Site Manager will be responsible for helping develop the plan for the Simons Observatory (SO) site, managing the execution of the Chilean part of that plan, and managing the site-related logistical operation of the SO. The successful candidate will be responsible for contacting and managing vendors, subcontracts, contract personnel, and the site engineers/technicians. They will be responsible for creating detailed work breakdown structures and sub-project plans, and presenting them to Professor Arnold and the SO planning committee for approval. Key responsibilities include:

- Planning of site activities and determining requirements for achieving the site plan within schedule and budget.
- Interaction with and management of contractors.
- Prepare packages that can be sent by Simons Observatory to vendors or contractors for bid.
- Ensuring work, both by contractors and by others on-site, is completed in a timely and efficient manner.
- Working with the safety officer to ensure safety policy compliance at all times.
- Managing the site engineer/technicians, and leading them to work efficiently at the site. Ensures their schedules are synchronized with work required at the site.
- Ability to communicate in both English and Spanish with the necessary Chilean contractors and the Simons Observatory team.

A successful site manager may have the opportunity to stay on after construction is complete to manage operation of the observatory, which are planned through 2027 or later.



Site Engineers/Technicians

The Site Engineers/Technicians will report to the site manager. They will be responsible for execution of the construction of the site as directed by the site manager. The following qualifications are preferred *but not required* for a candidate to be considered:

- Familiarity with high-elevation and/or remote site work
- Familiarity with general construction, including building construction, electrical system servicing, and cooling systems
- Familiarity with local area networks and troubleshooting computer or network hardware problems
- Familiarity with cryogenic instrumentation systems
- Familiarity with telescope maintenance and control.
- Familiarity with diesel generator operation
- Ability to understand circuit diagrams
- Ability to design and implement simple fixed to electrical and mechanical systems
- Ability to communicate in both English and Spanish

Successful site engineers/technicians may have the opportunity to stay on after construction is complete to maintain operations of the observatory, which are planned through 2027 or later.