



# ALMA OSF/AOS - SCO Communication Infrastructure

**Update at 2015-01-22**

**G. Filippi (ALMA/JAO)**

*The Atacama Large Millimeter/submillimeter Array (ALMA), an international astronomy facility, is a partnership among Europe, North America and East Asia in cooperation with the Republic of Chile.*



# LINK ALMA-AOS ↔ ANTOFAGASTA COMPLETED AND INTEGRATED WITH THE EXISTING NETWORK UP TO ALMA-SCO (SANTIAGO)

See

ALMA  
announcement

for more

## ALMA Gains Broadband Connection with Global Science Community

Tuesday, 20 January 2015

ALMA's remote location is a boon to astronomy but a telecommunication challenge for the astronomers who work there. Thanks to a newly installed broadband fiber-optic line between the ALMA Operations Site (AOS) and the city of Calama in northern Chile, astronomers from around the world now have high-speed access, 25 times faster than before, to this world-class telescope.



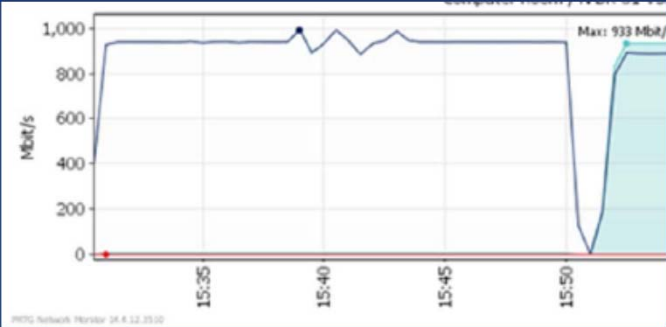
The new system uses 150 kilometers of fiber optic cable to cover the distance from the astronomical observatory to the city of Calama, where it is then linked, through an existing high-speed communication line, to the research and academic network operated by REUNA (Red Universitaria Nacional) in Antofagasta that, thanks to the infrastructure that was developed as part of the EVALSO project, connects to the ALMA offices in Santiago, where the data are processed and shared with astronomers around the world.



Credit: ALMA (ESO/NAOJ/NRAO) - E. Diaz | [Download](#)



# SOME PRELIMINARY END TO END TESTS ON THE ALMA-AOS ↔ ALMA-SANTIAGO LINK



3-way video-conference



FTP on each of the two 1Gbps channels

