



ATACAMA



THE TEAM

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ATACAMA 2015

USACH UCH CIFES DMC

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ACKNOWLEDGMENTS

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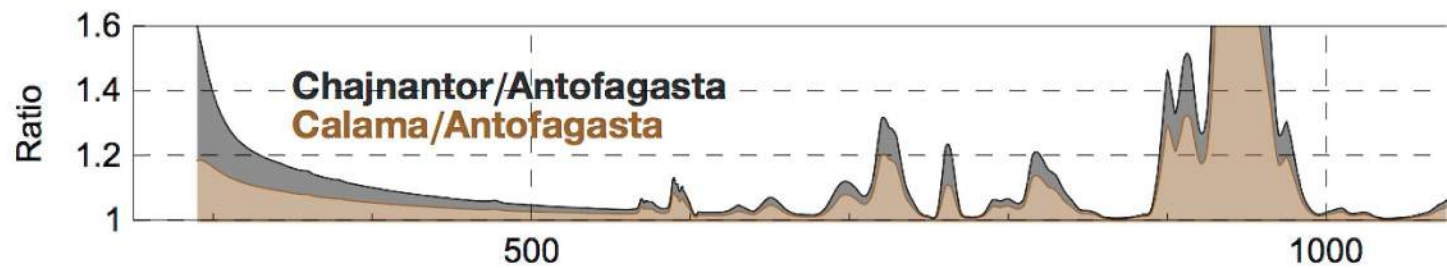
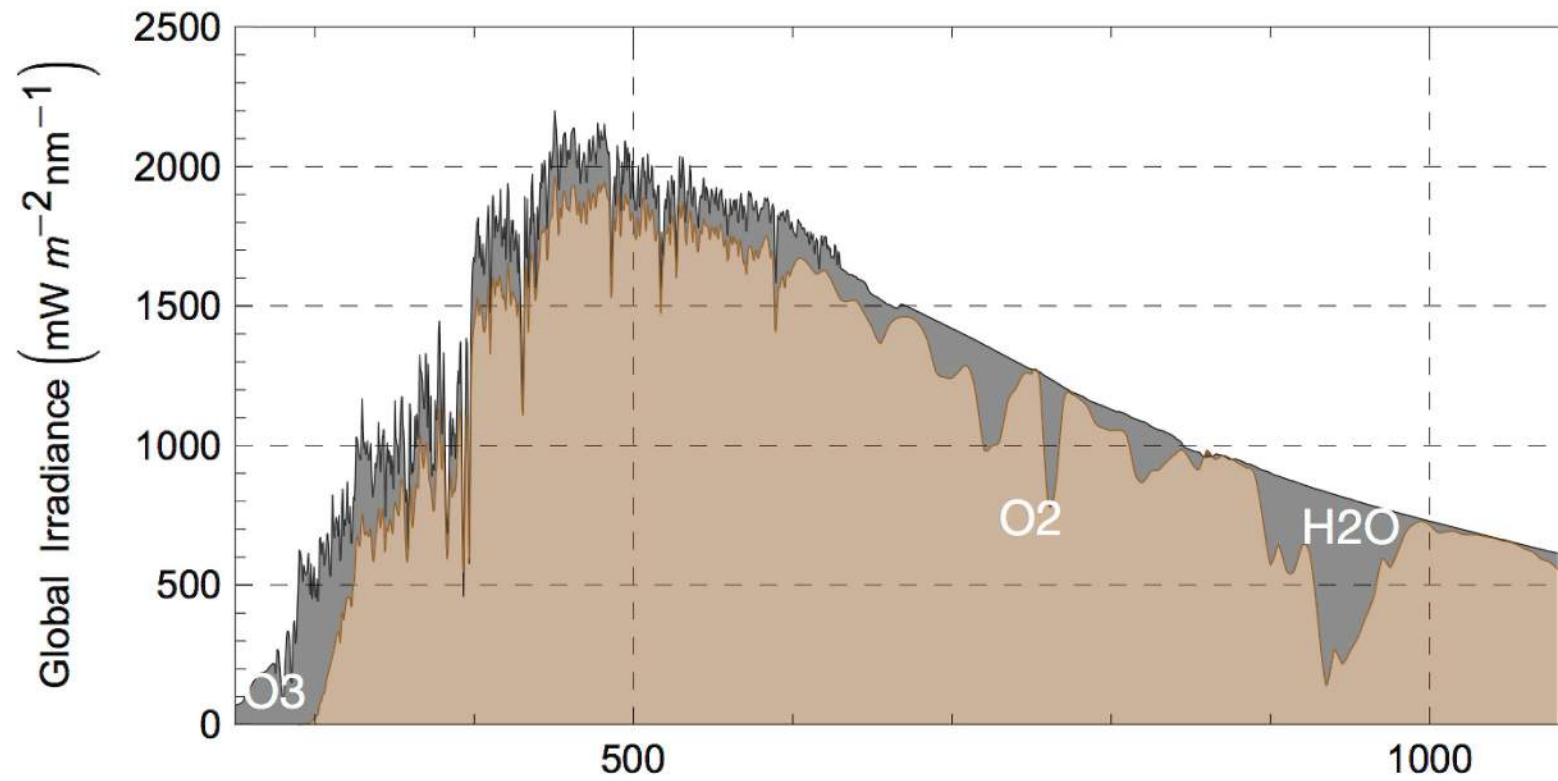
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ATACAMA CAMPAIGN 2015

The Atacama Desert has been pointed out as one of the places on earth where the highest surface irradiance may occur. This area is characterized by its high altitude, prevalent cloudless conditions and relatively low columns of Total Ozone and Precipitable Water. Aimed at the characterization of the solar spectra, a team from the Universidad de Santiago, carried out ground-based measurements of the solar spectra at seven locations that ranged from Antofagasta City (on the southern pacific coastline) to the Chajnantor Plateau (5,100 m altitude). The campaign was conducted in February and March 2015 and was supported by the Universidad de Chile (UCH), the Direccion Meteorologica de Chile (www.meteochile.cl) and the Centro Nacional para la Innovación y Fomento de las Energías Sustentables (www.cifes.gob.cl).

For details, please visit www.antarctica.cl

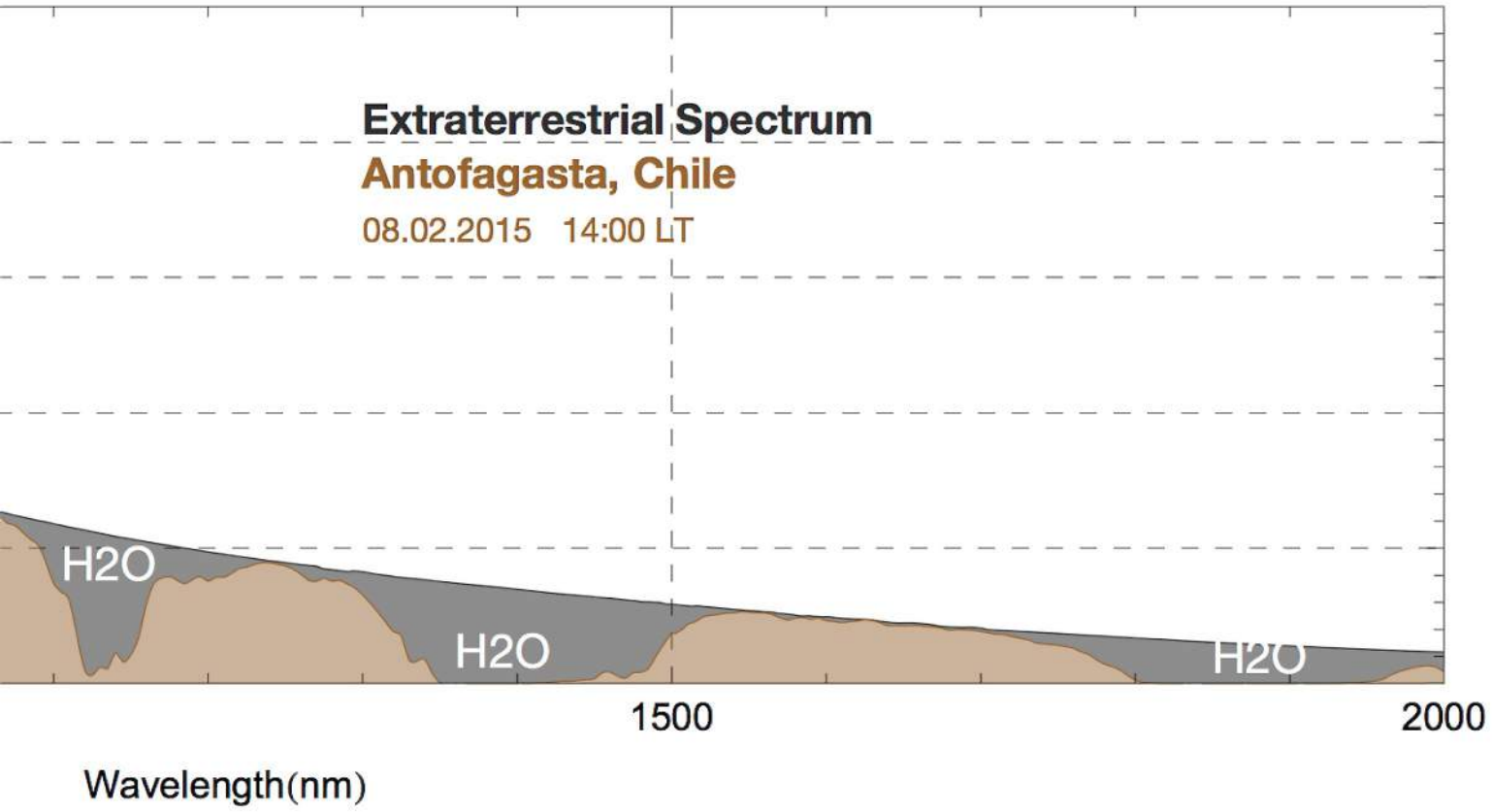


Above: Solar spectrum measured at the Antofagasta Airport on 08.02.2015. Below: Comparison between solar spectra sampled at the same solar z

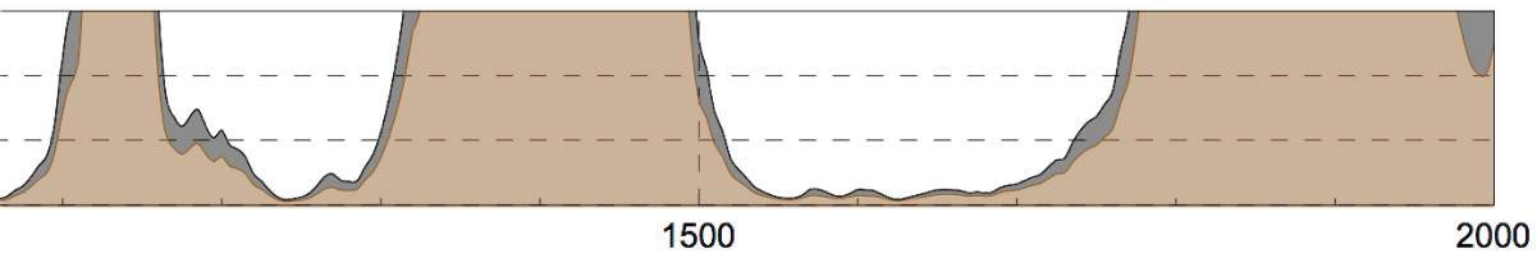
Extraterrestrial Spectrum

Antofagasta, Chile

08.02.2015 14:00 LT



Wavelength(nm)



Wavelength(nm)

ATACAMA DESERT

The Driest Place on Earth





Chajnantor, 5,100 m altitude



Laguna de Chaxa, 2,485 m altitude





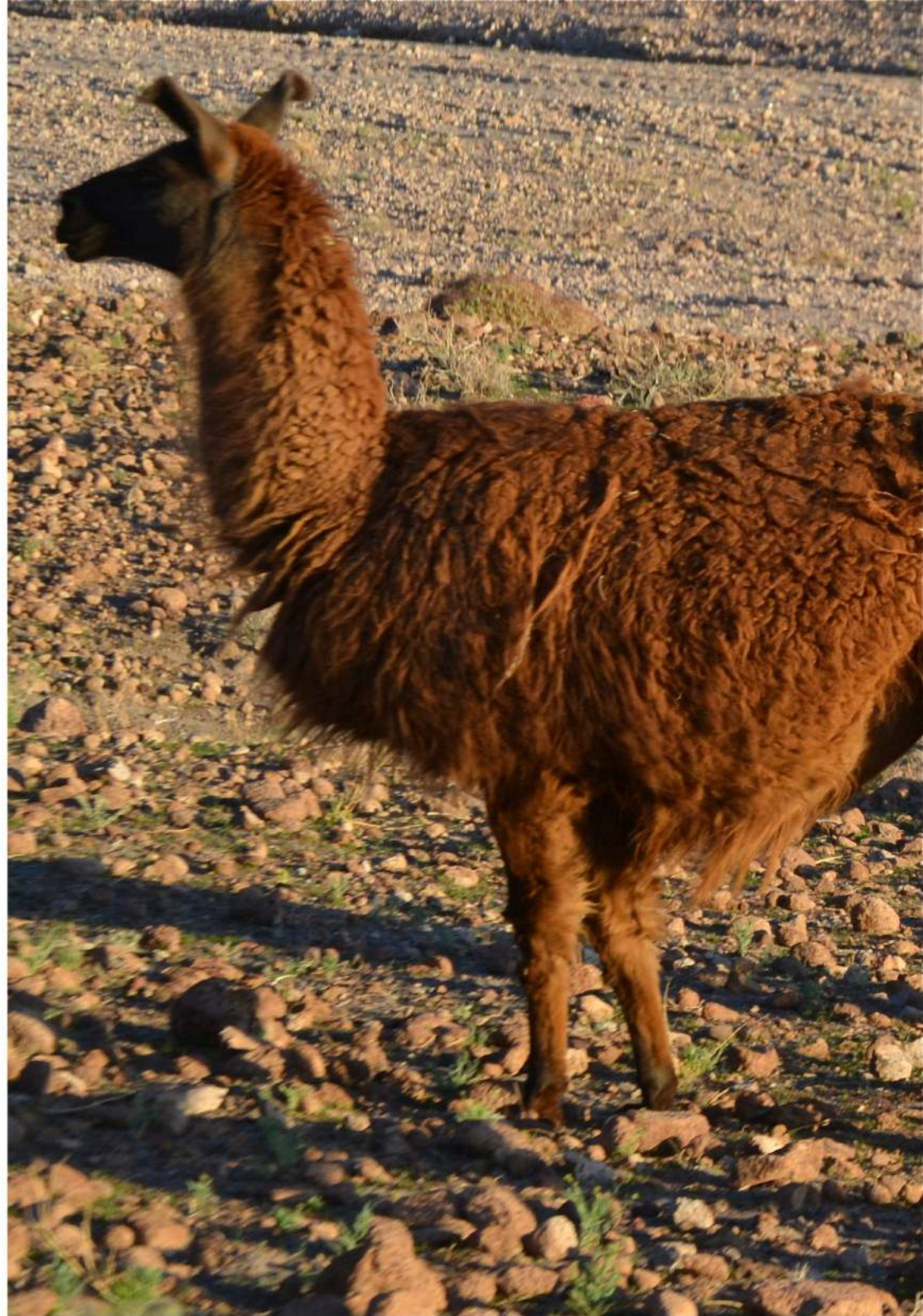
Salar de Tara, 4,300 m altitude





Valle de la Luna, 2,510 m altitude





Diego de Almagro, 786 m altitude





The southern Pacific coastline nearby Antofagasta.



THE EQUIPMENT

At the State-of-the-Art



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TYPE IS75 ODM ENV

SERIAL No. 9060



20/10/07

The Team

Desert Foxes





Antofagasta Airport, 114 m altitude



El Salvador Airport , 1,610 m altitude