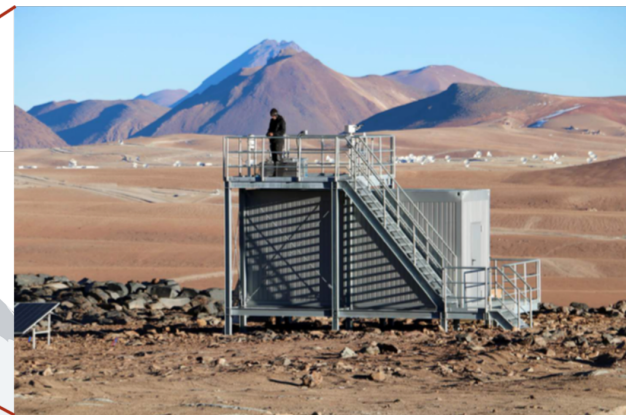
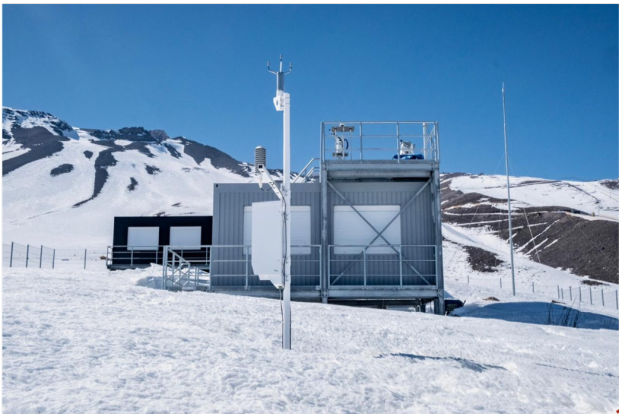
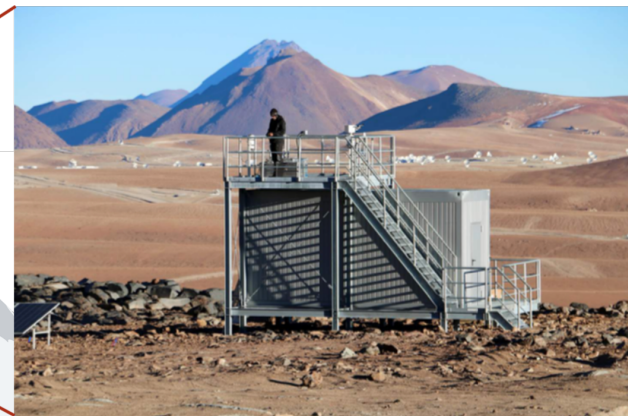
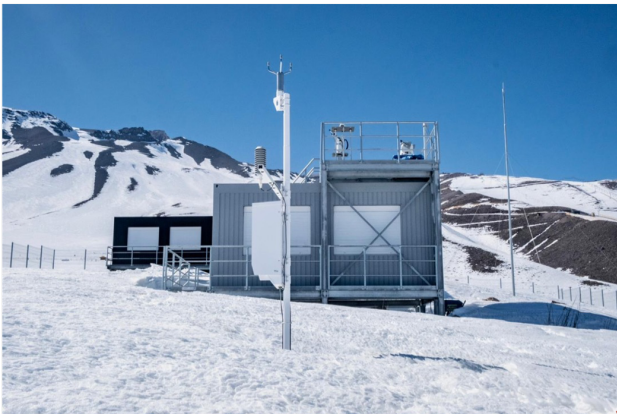


A Solar Radiation Network for the Atacama Desert

E. Sepúlveda, R.R. Cordero, J. Jorquera
University of Santiago









Calama



Copiapó



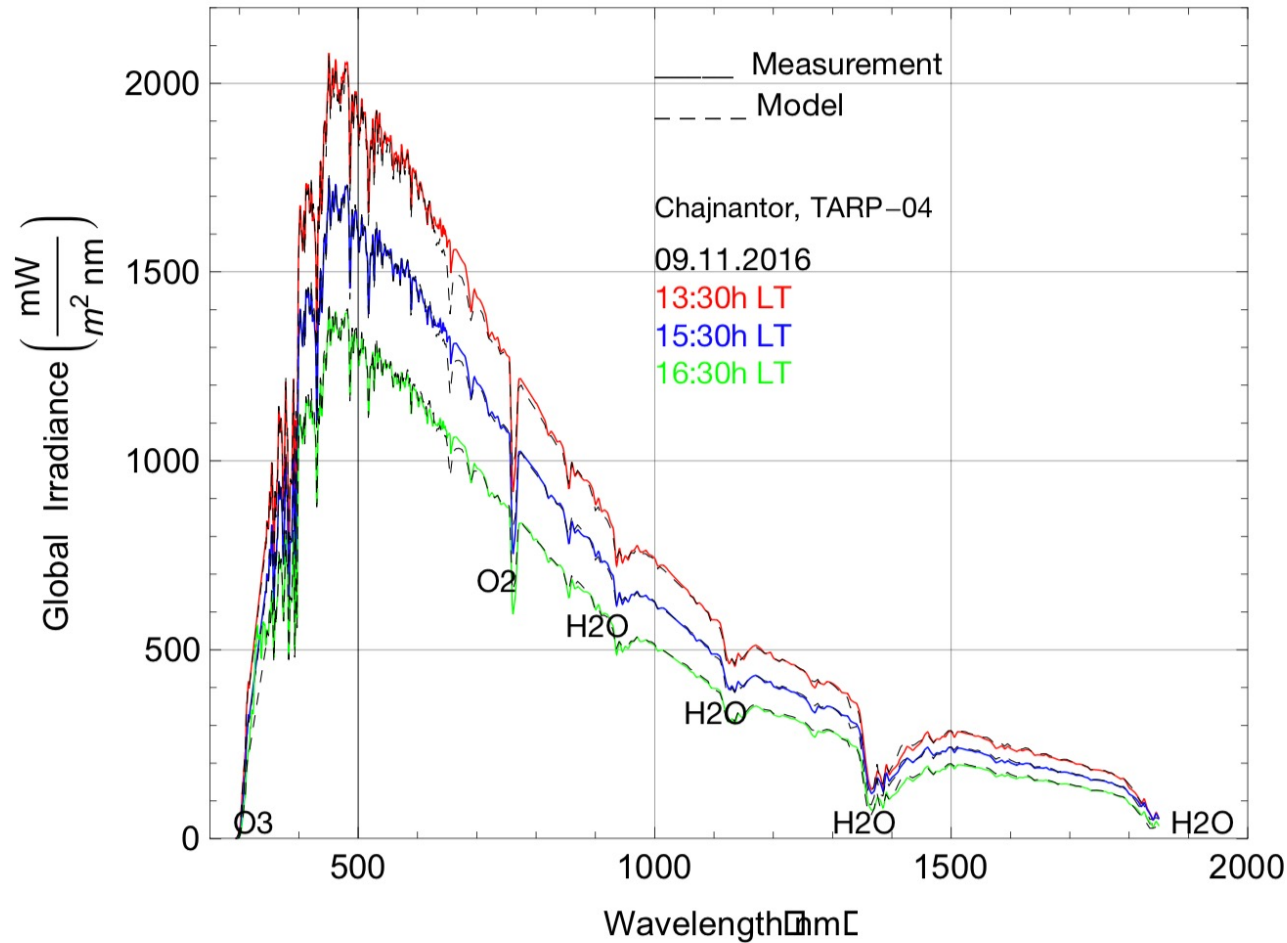
La Serena



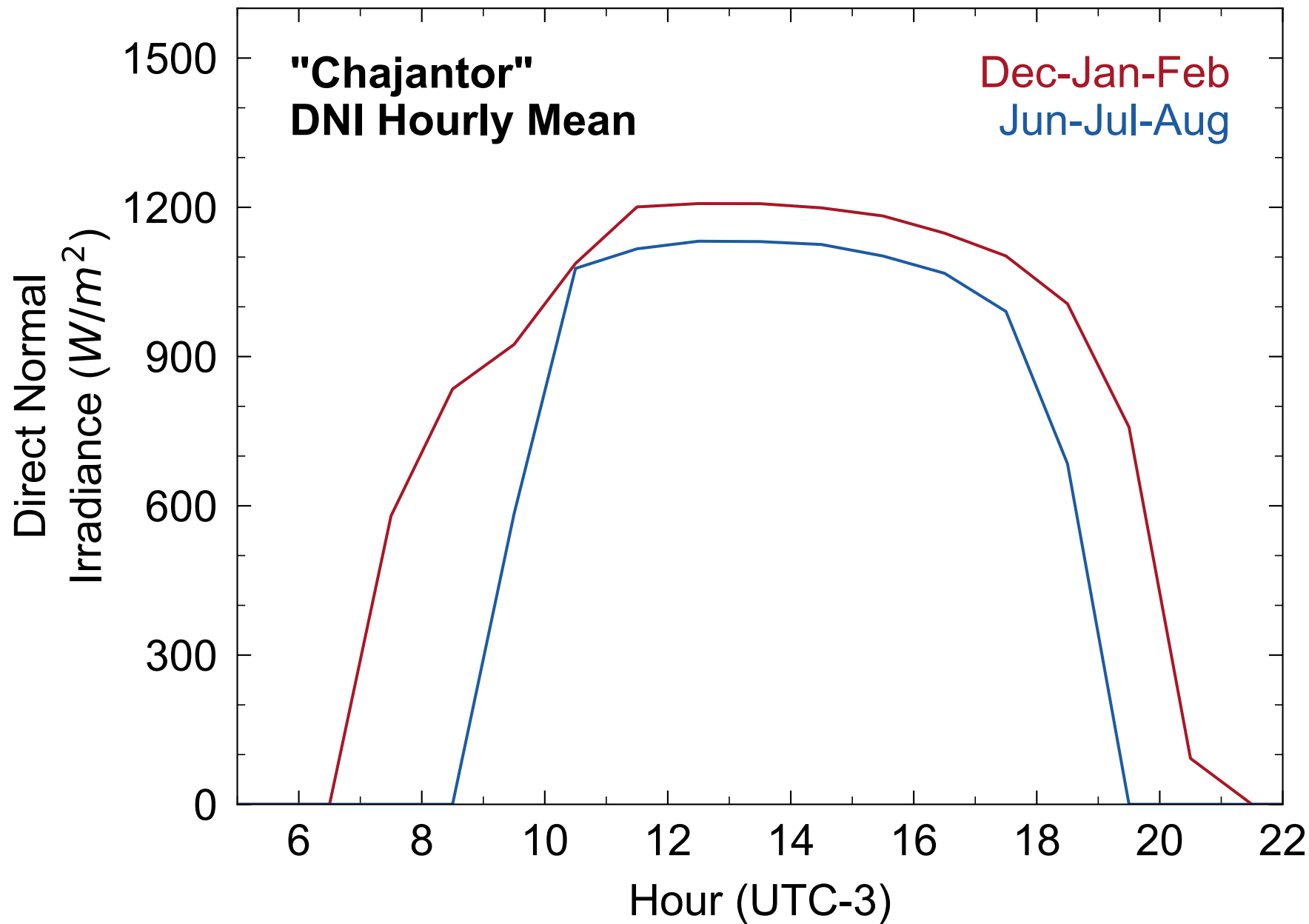


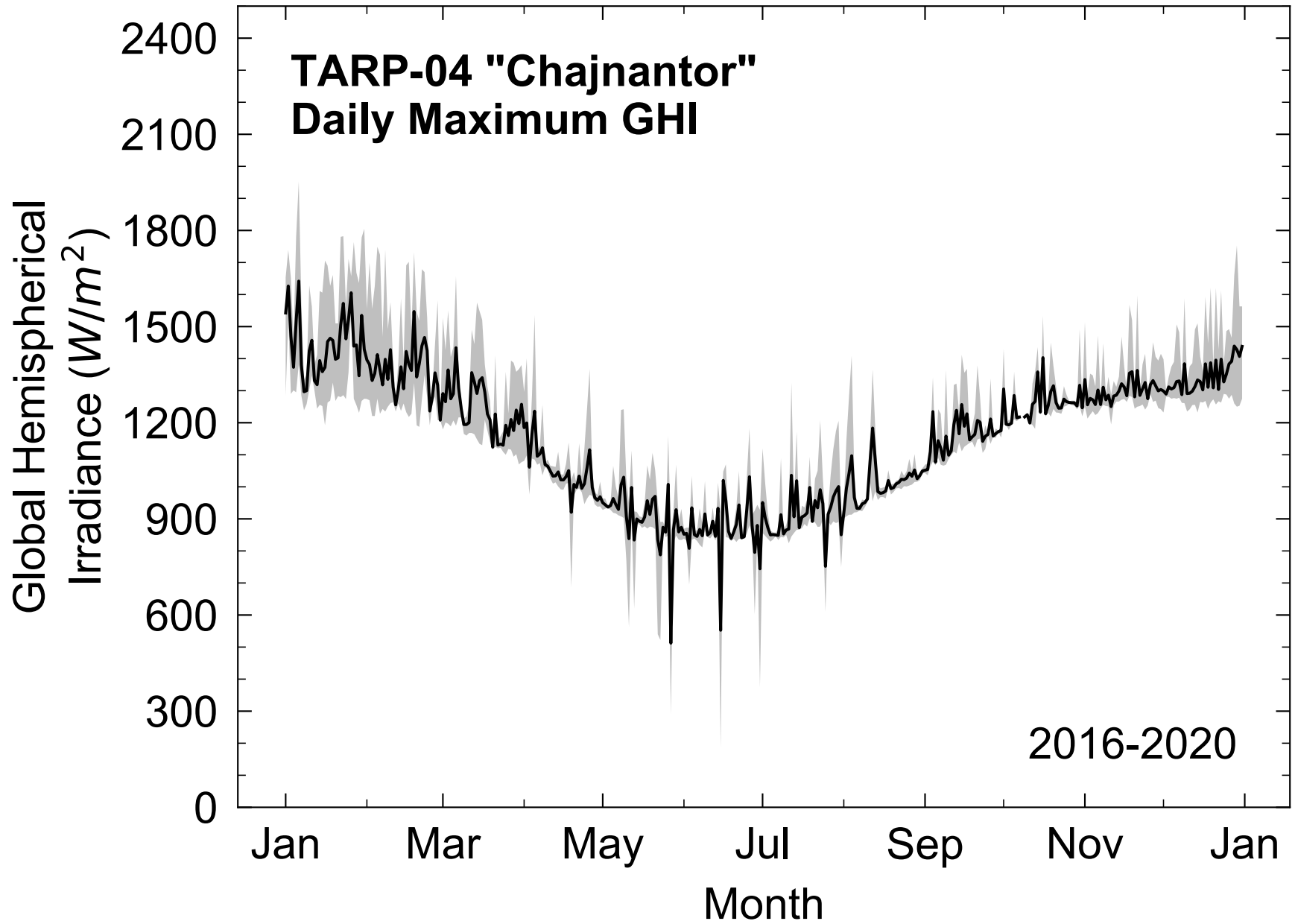
Research Platform Universidad de Santiago TARP-04, Chajnantor Plateau (5200 m altitude, 23°00'S, 67°45'W)

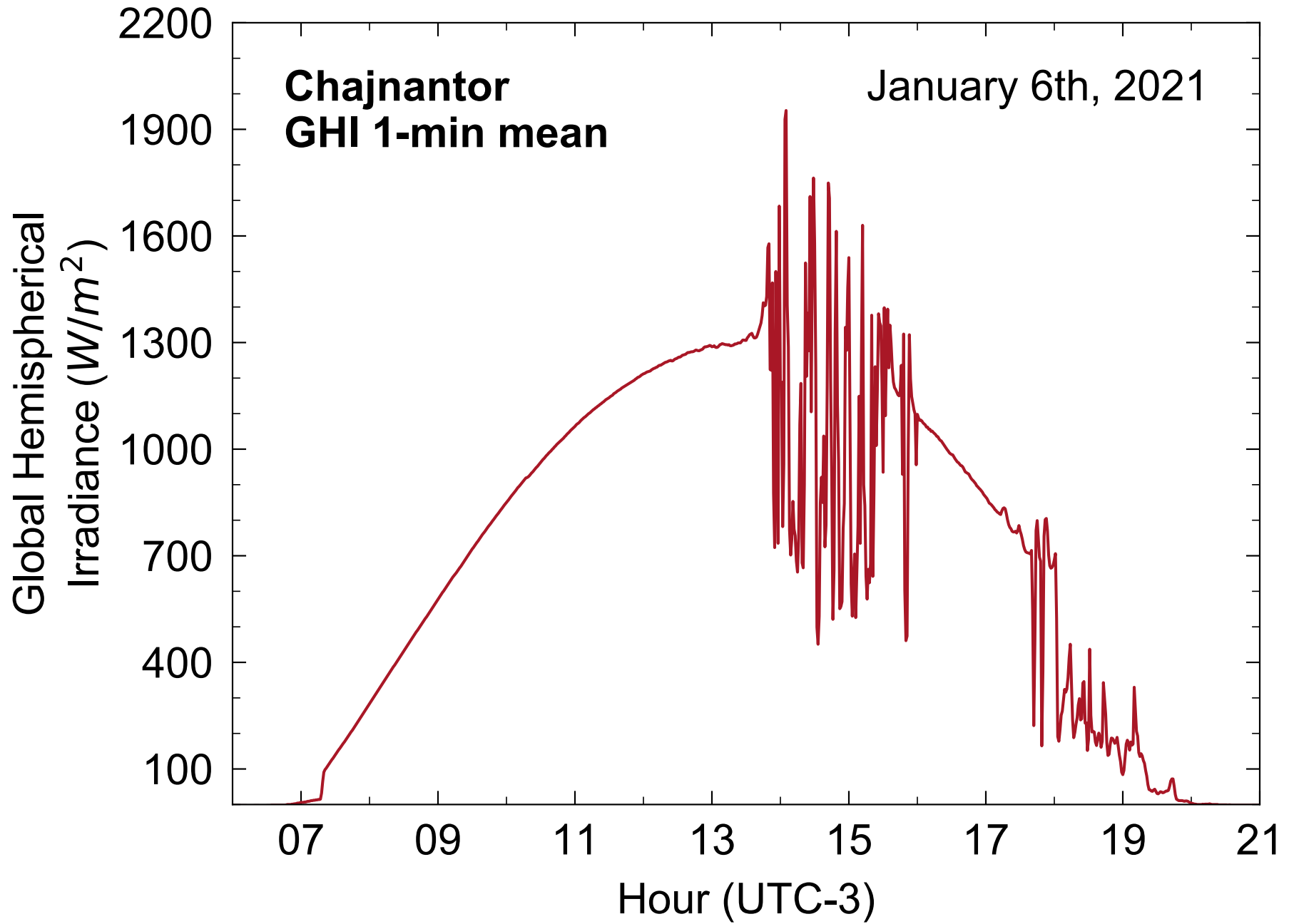
Chajnantor: Comparison with Model



Differences in Total Irradiance : < 2% (for SZA < 30°)

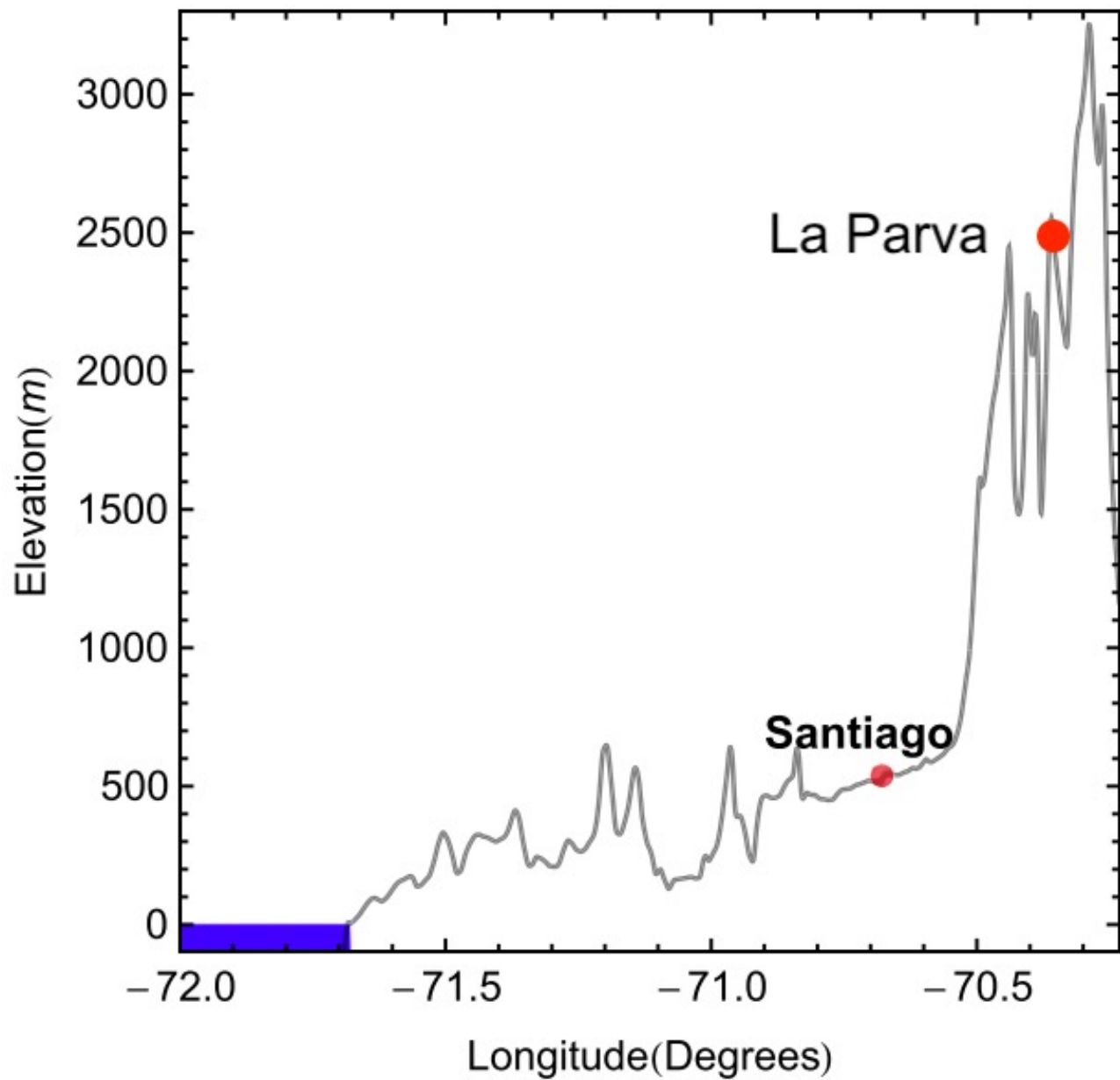




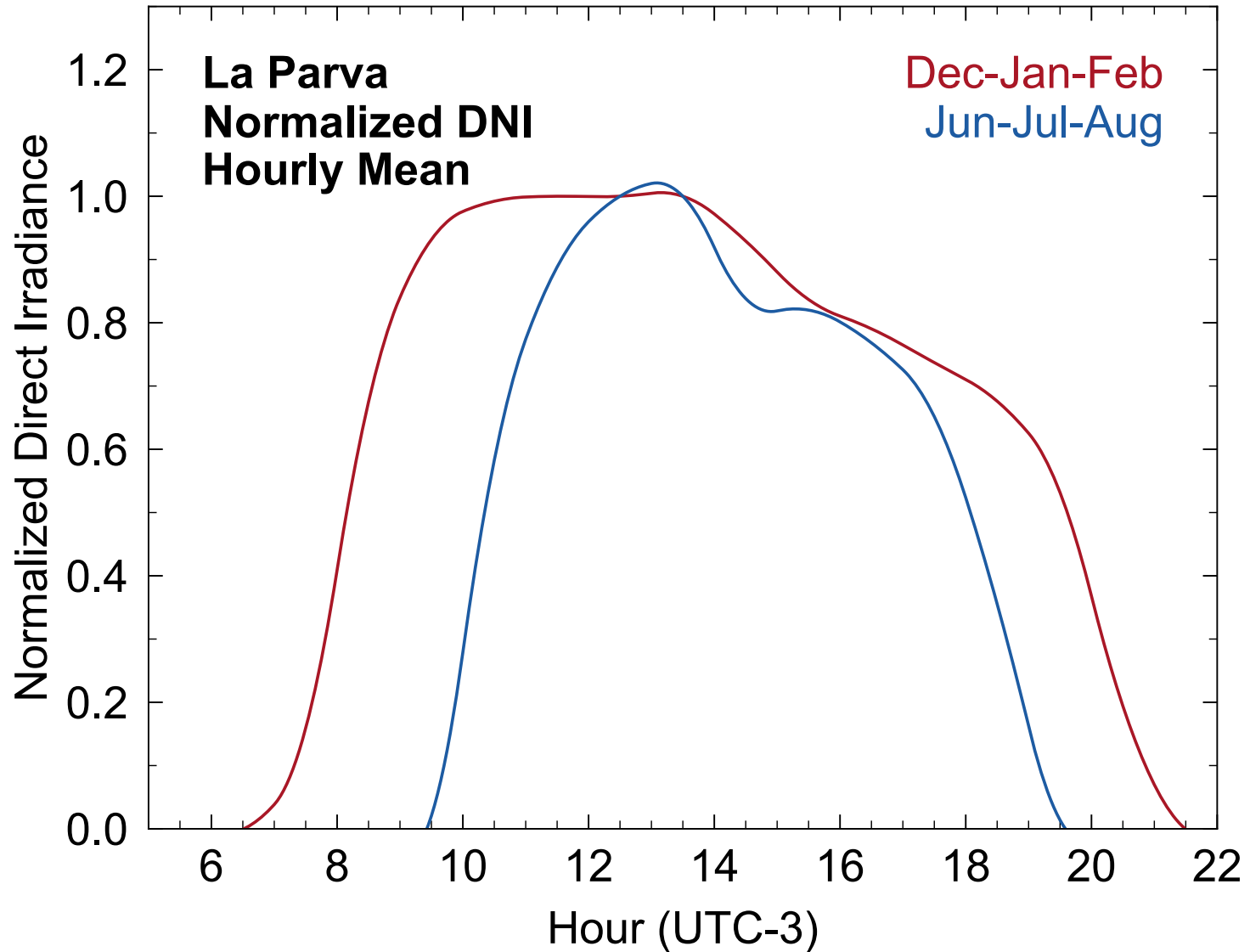


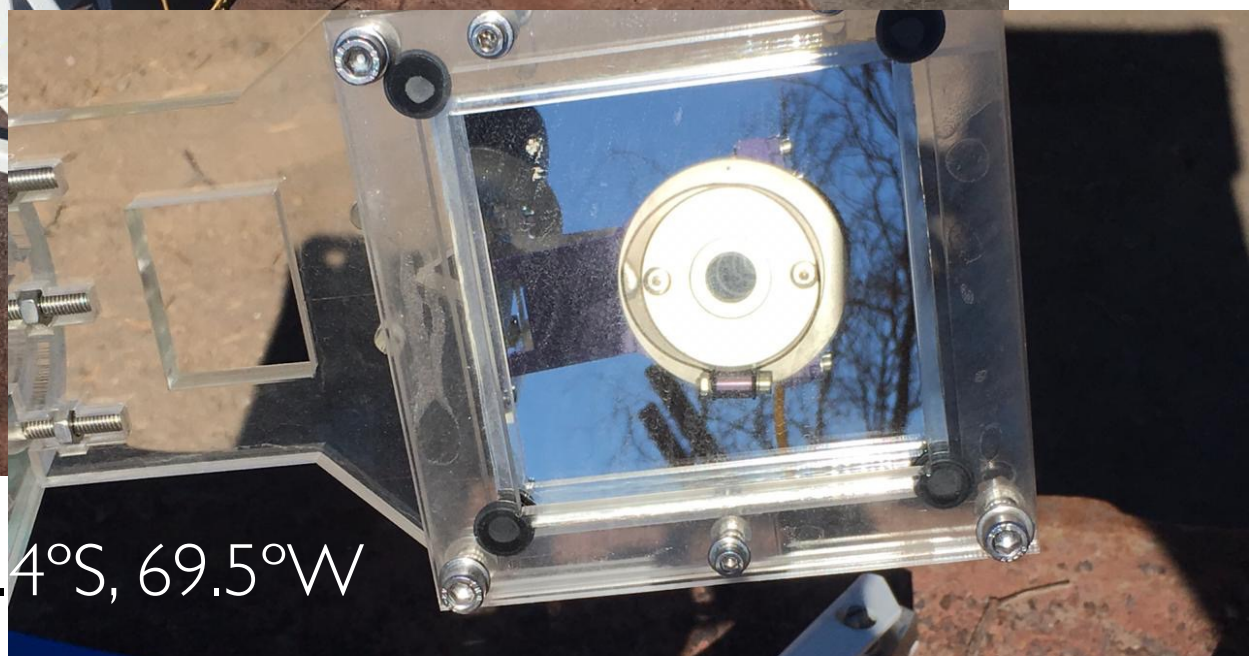


La Parva: 2600 m. 33°S, 78°W

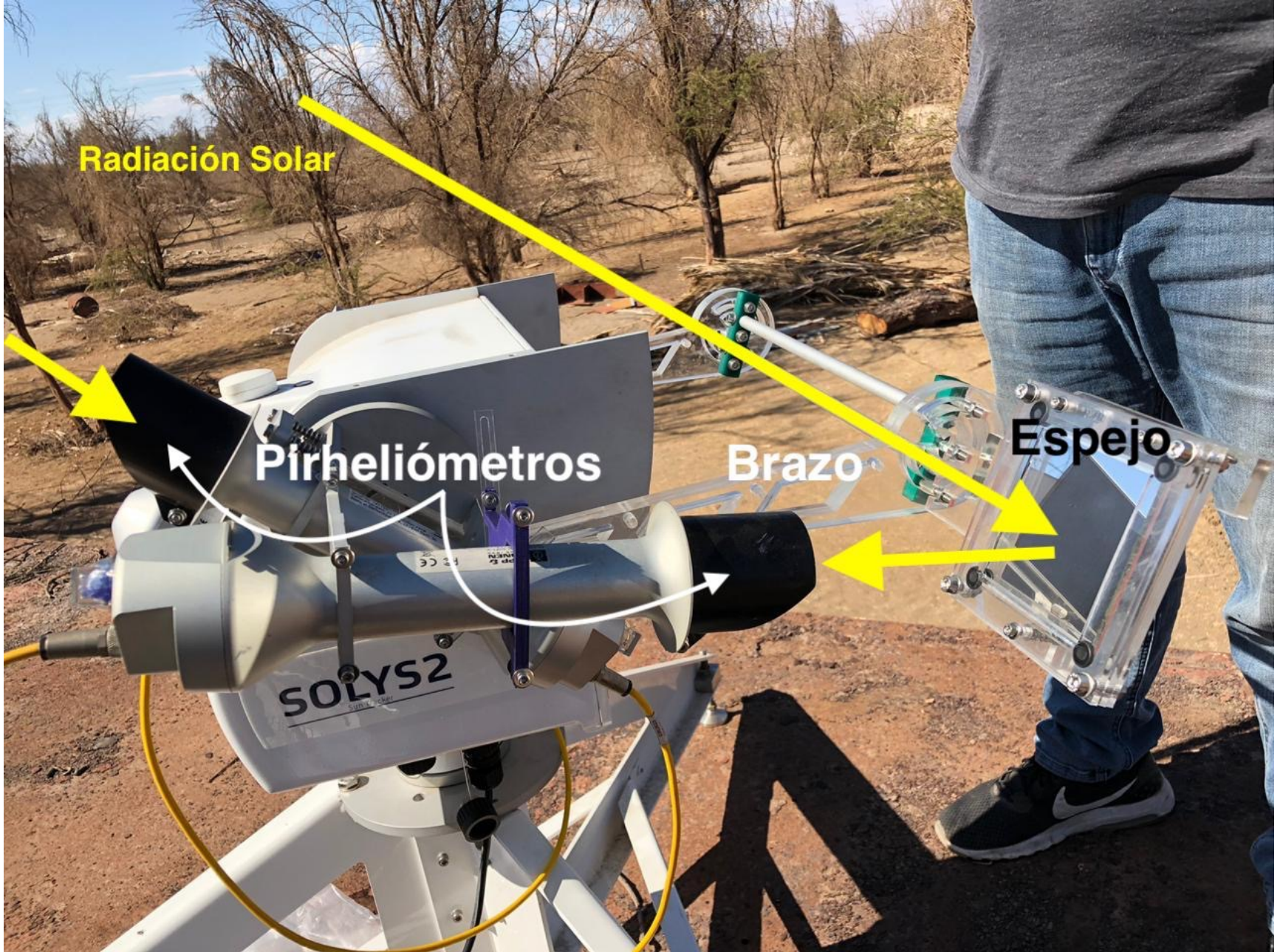


Aerosols effect on Central Andes



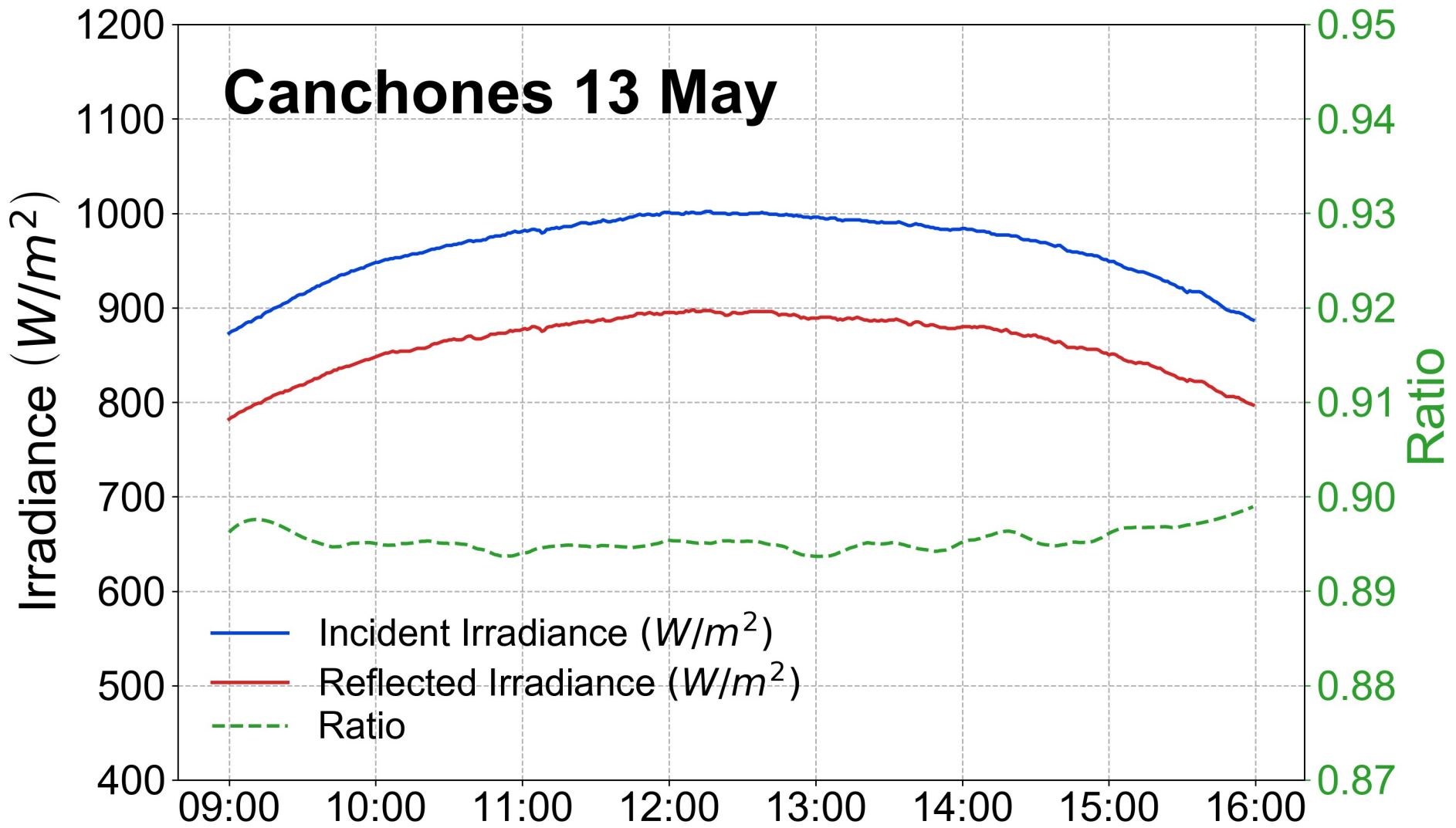


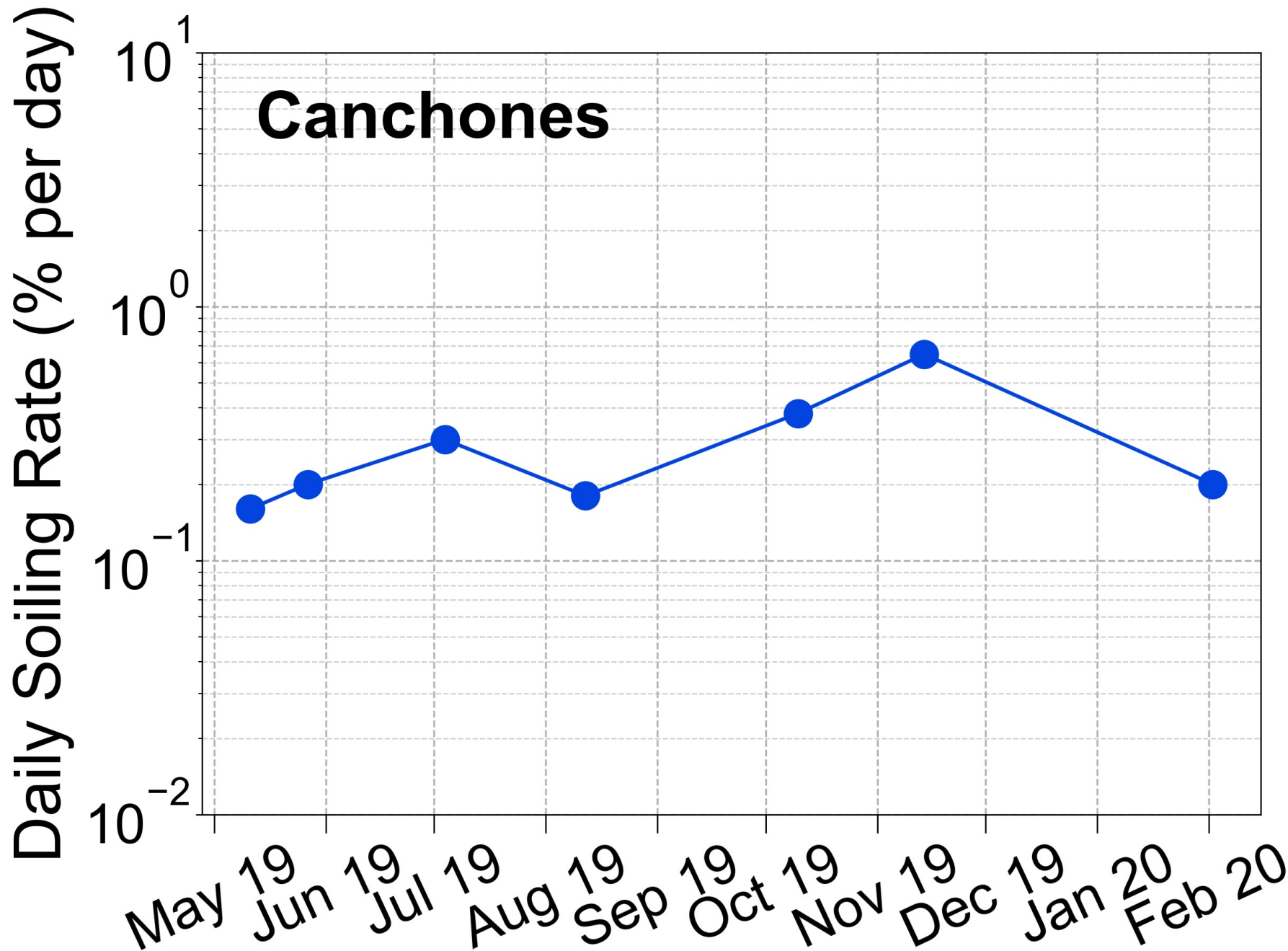
Canchones: 985 m. 24.4°S, 69.5°W



Testing soiling on mirrors

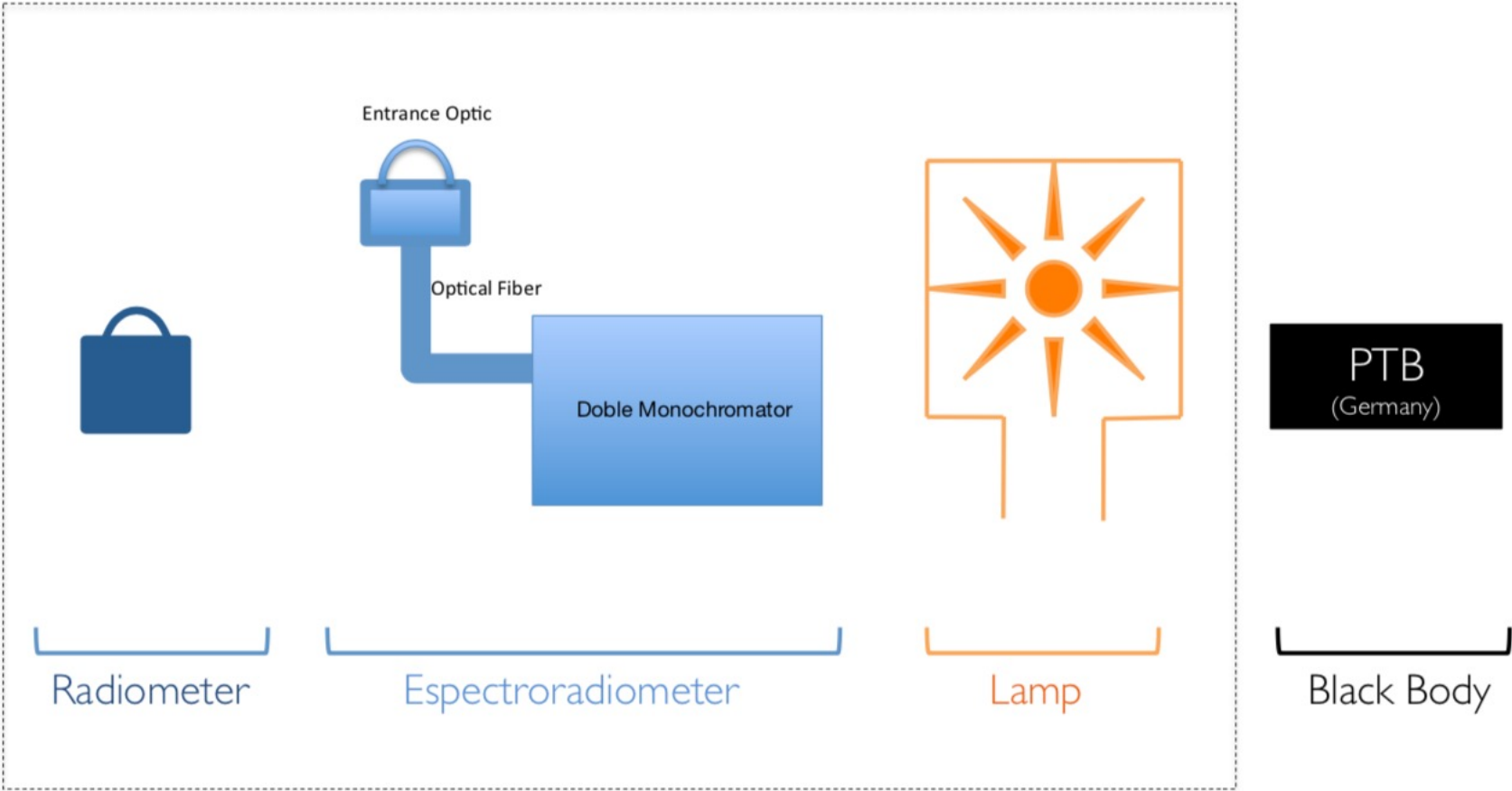
Canchones 13 May





Maintaining traceability

Laboratorio de Radiometría y Fotometría (UdeSantiago)



Radiometric Standards



Laboratorio de Radiometría y Fotometría



Santiago: Facilidades Indoor para Calibración

Laboratorio de Radiometría y Fotometría Actual (USACH)





SOLYS2

SOLYS Sun Shield

SOLYS Sun Drive

CVF-1

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