

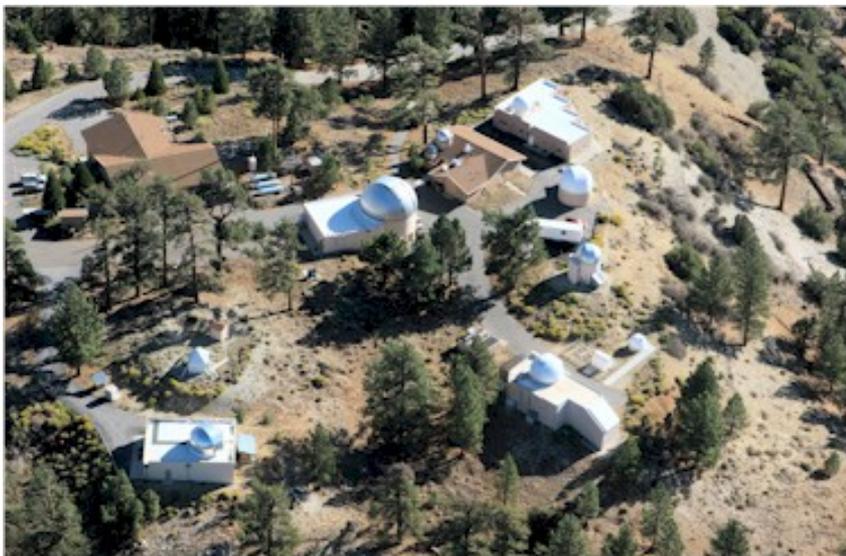


JPL/TMF Station Report

Thierry Leblanc

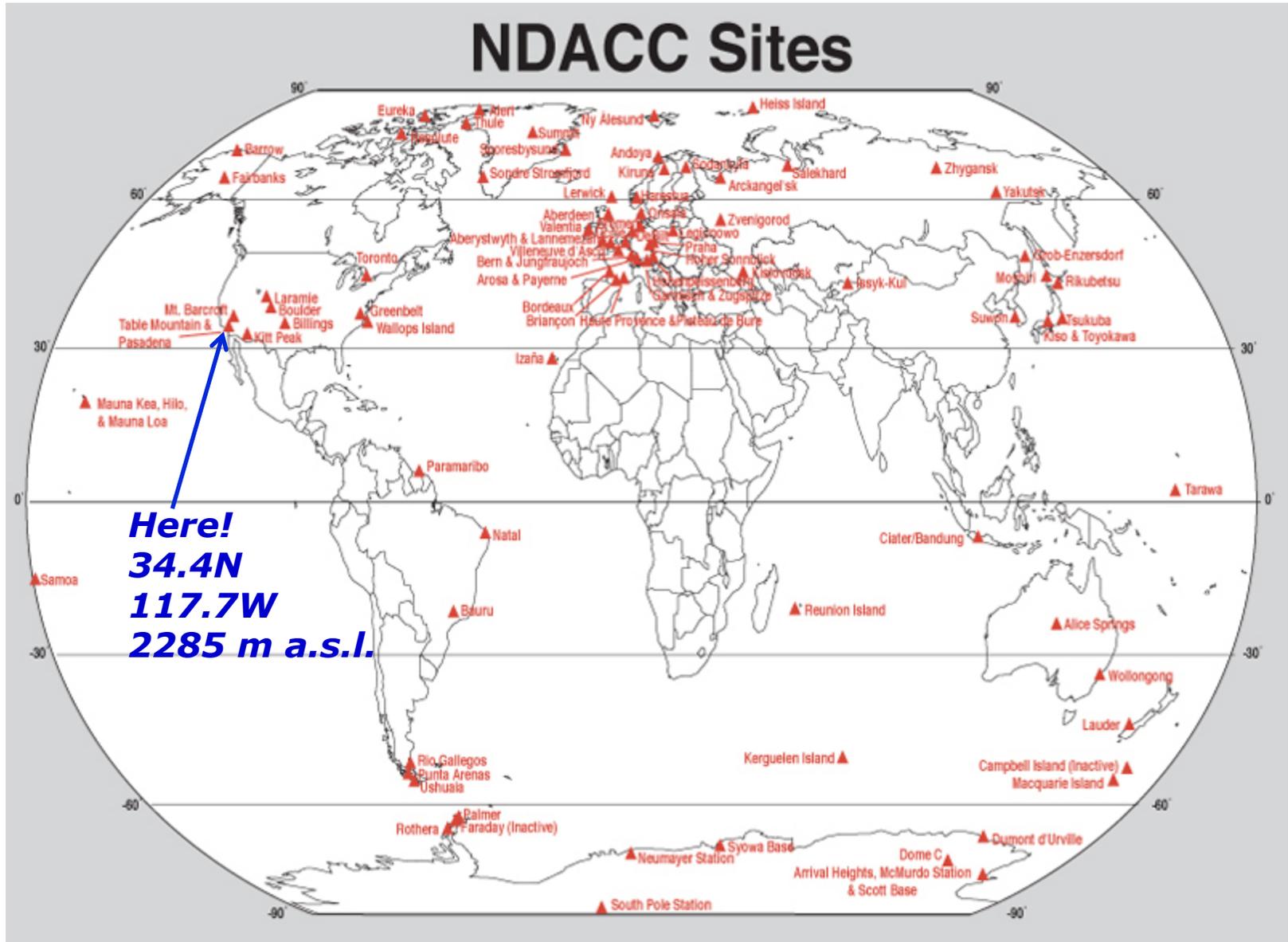
California Institute of Technology

Jet Propulsion Laboratory





Where is TMF?





Atmospheric Science Instrumentation at TMF



NDACC:

Instruments	PI	# staff	Dates
Strato. DIAL lidar (O_3 , Temper, Aer)	Leblanc	} 3.5	1988-present
DIAL lidar (O_3)	Leblanc		1999-present
Raman lidar (H_2O)	Leblanc		2005-present
FT UV Spectro. (OH, NO_2 columns)	Sander	2	1997-present
Millimeter-wave spectrometer (H_2O)	Nedoluha/Gomez	2	1993-present

Non-NDACC:

Instruments	POC	Dates
PTU radiosondes	Leblanc	2004-present
Ozonesondes	Leblanc	2006-present (not routine)
Frost-point sondes	Leblanc	2006-present (not routine)
GPS-met total column water	Gutman	2007-present
Surface PTU	Walsh	2004-present
Surface ozone	Leblanc	2012-present



Current TMF Lidar Group personnel

Thierry Leblanc (PI)

Dan Walsh: ("Chief" Engineer)

Mark Brewer (Operator for TMF)

Robert Wyman (Operator for Hawaii)

New: New Postdoc!

Maria Jose Granados-Munoz arrive April 1st

Exclusively dedicated to TOLNet

She will show her first results on Thursday afternoon



Instrumentation Status (2014-2015)

Laser service performed in February 2015

→ Now slightly higher STNR than in 2014

Chiller failure in May 2015 caused 3 weeks of measurement gap!

As of today: Measurements mostly nominal

*Expected soon (before October):
Installation of NEW Licel Analog + Photon-counting
hardware to stabilize near-ground channels*



Chiller incident details



- May 4: Chiller failed at night during experiments
- May 5: Requested quote from FHA (chiller repair company) for failure diagnosis
- May 6: Received quote for \$288 from FHA; Requisition submitted to JPL
- May 7: Requested, received and forwarded to JPL the Site Specific Safety Plan from FHA; Phoned buyer to inform him of urgent need for repair
- May 11: JPL issued PO (Purchase Order) to FHA for failure diagnosis
- May 12: FHA received PO and called to schedule visit May 13
- May 13: FHA technician diagnosed chiller failure**
- May 14: FHA sent chiller repair quote for \$4600 after hours
- May 18: Requisition for repair submitted to JPL
- May 19: Phoned buyer to inform her of urgent need for repair
- May 20: JPL issued PO to FHA for repair
- May 21: FHA technician at TMF working on repair
- May 22: Two FHA technicians at TMF working on repair
- May 26: Two FHA technicians at TMF working on repair
Repair finished at 11:00 am



Data Status (2014-2015)

Routine 2014-2015: >155 days, nighttime, 2 hours per night

Experimental 2014-2015: 4 days, daytime, 6+ hours

Ozonesondes 2014-2015: 3 launches







