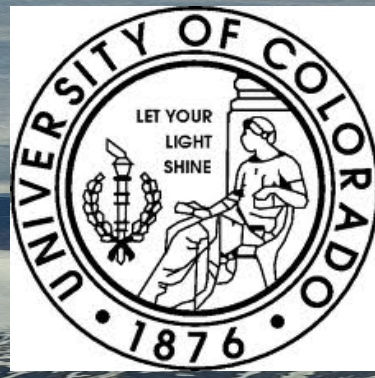
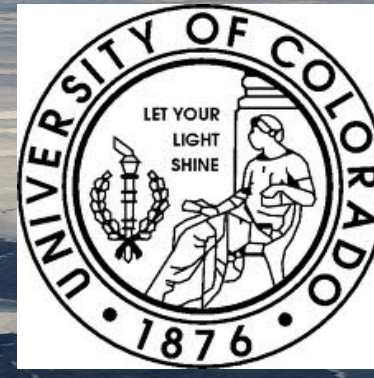


Contacts
Project Lead: Matthew Shupe
matthew.shupe@noaa.gov
Project Co-Lead: Von P. Walden
v.walden@wsu.edu



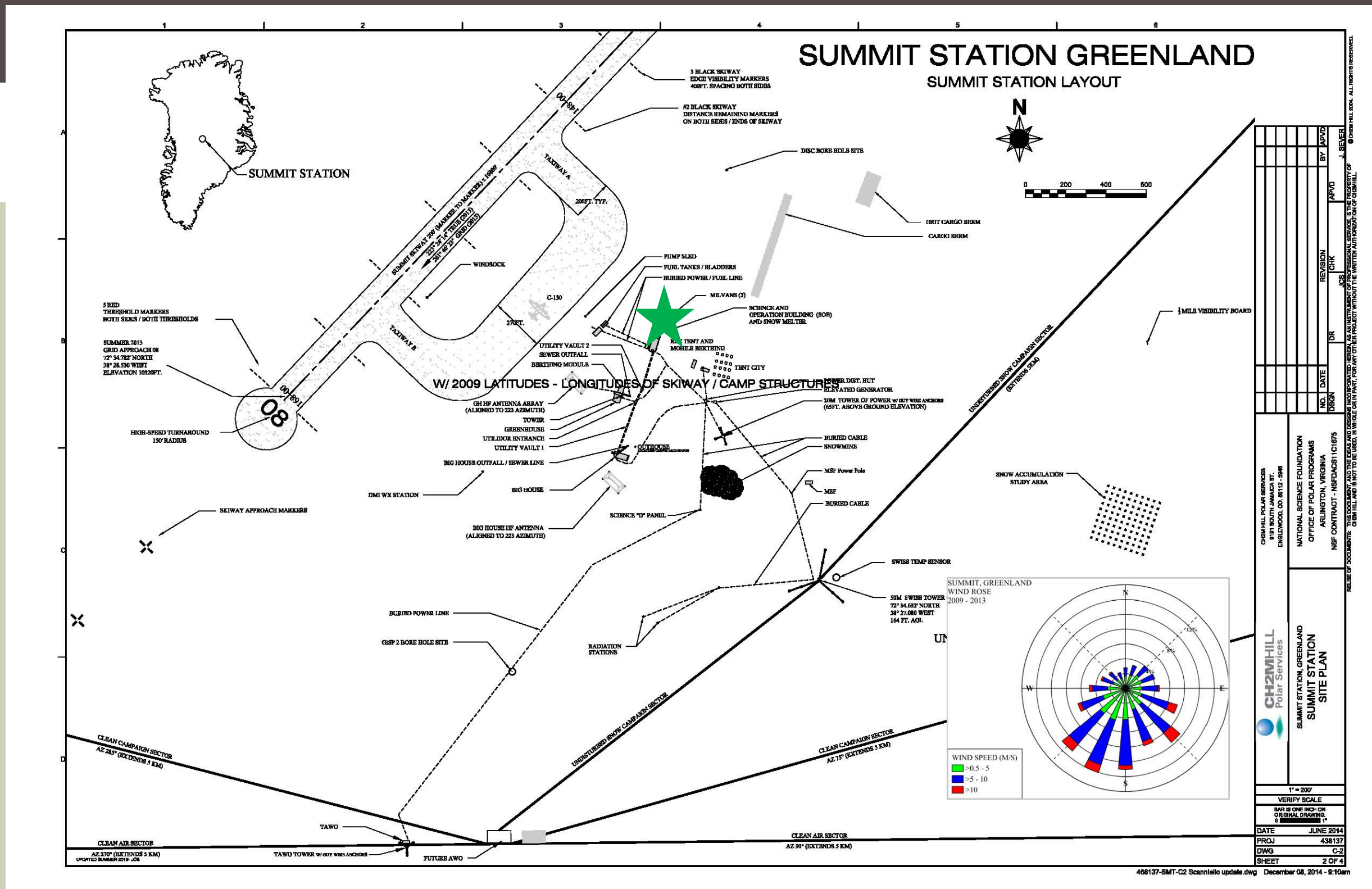
Datagrams: Summit Radiosonde



Contacts
Research Contact: Nathaniel Miller
nathaniel.miller@colorado.edu
Data Support: Sara Crepinsek
sara.crepinsek@noaa.gov

File name: SMT_YYYYMMDD_hhmmss.dc3db
SMT_YYYYMMDDhhmm_edt.txt
SMT_YYYYMMDD_hhmmss_FLEDT.tsv

Metadata and header information found here: <http://www.wmo.int/pages/prog/www/ois/volume-a/vola-home.htm>



★ Indicates current location of instrument



Radiosonde

Instrument Details	
Specifications	1
Measurement	Wind spd/dir, altitude, pressure, relative humidity, dew point, temp
Serial #	RSJ4643668
Instrument Manufacturer	Vaisala
Type	RS-92K, RS-92GP
Ground Station	MW31
Location	Sondes are launched from the SOB building
Additional Corrections Applied (y/n/explain)	

Summit Data Center

NOAA

FTP File locations at NOAA:
From Summit Data Center to:
<ftp://ftp.etl.noaa.gov/psd3/arctic/summit/radiosonde/>

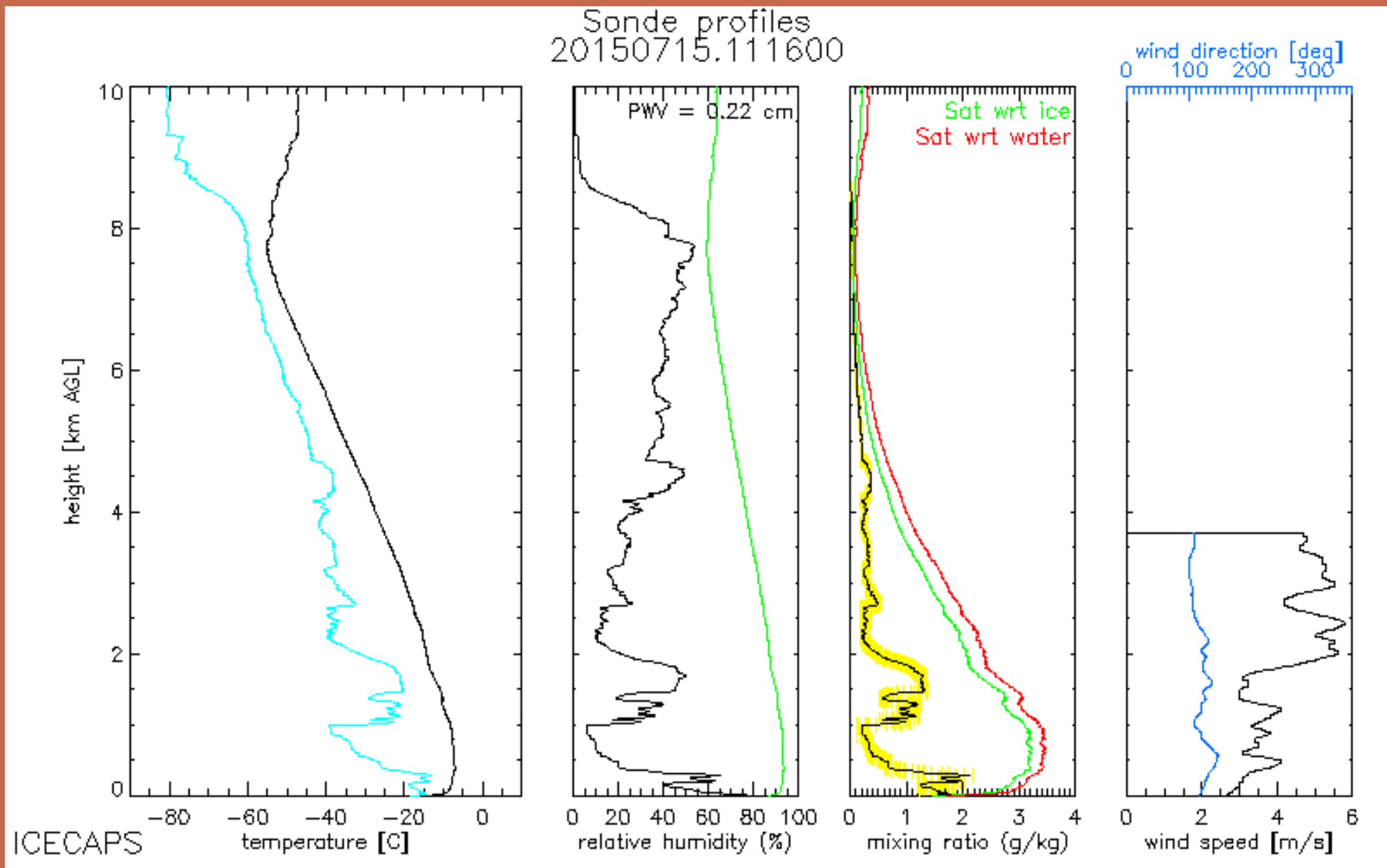
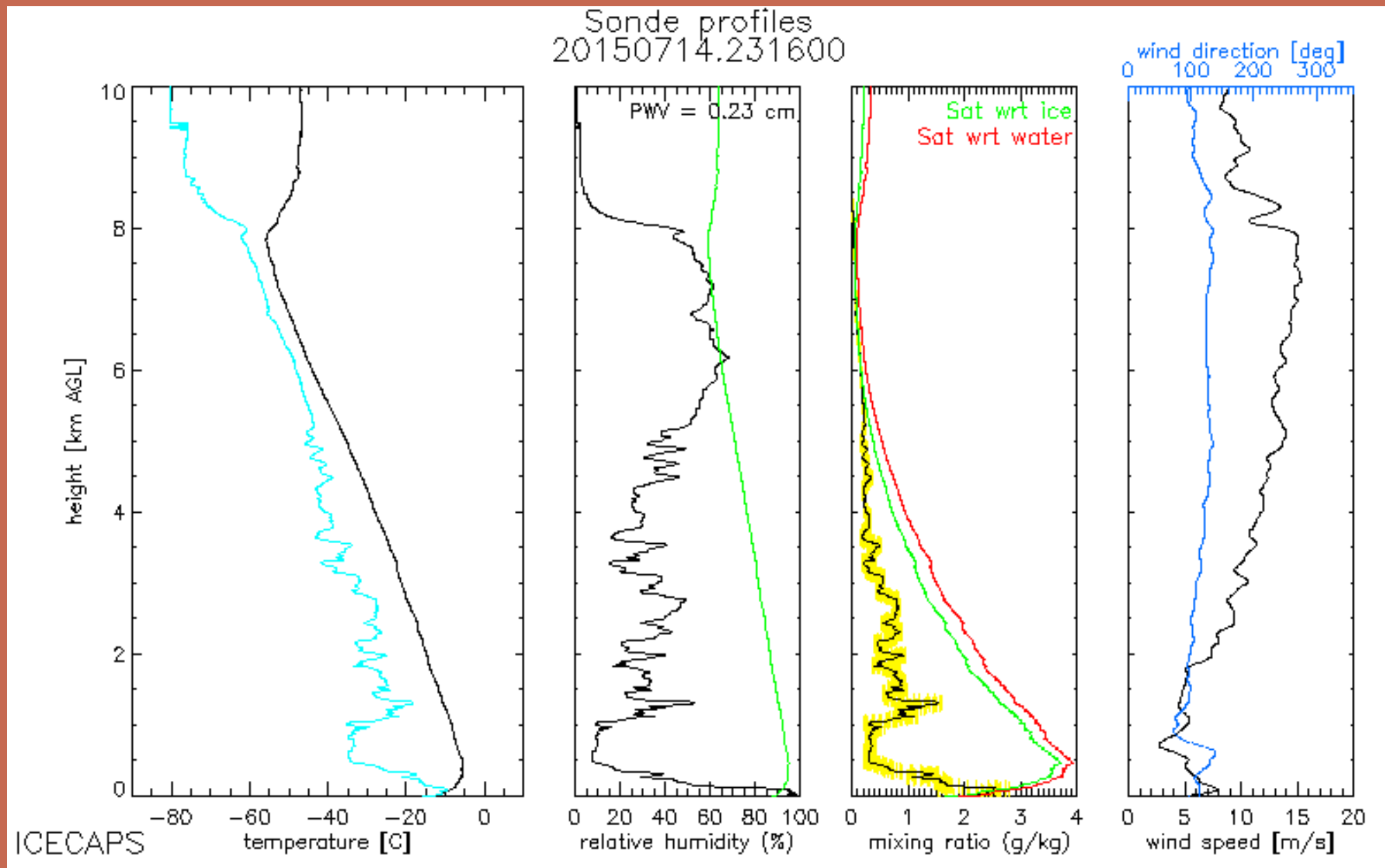
Quicklooks

Processing

Files transferred to Global Telecommunications Systems at the World Meteorological Organization: <http://www.wmo.int/pages/prog/www/ois/volume-a/vola-home.htm>

Raw files are processed with standard Vaisala DigiCORA software. Individual raw radiosonde files are ingested into individual netCDF files.

Example Plots:



Home:

<http://www.esrl.noaa.gov/psd/iasoa/>

Data:

<http://www.esrl.noaa.gov/psd/iasoa/dataataglace>

IASOA Portal

Home:

www.archive.arm.gov

ARM Archive

Product

Archived files located at ARM.gov
(http://www.archive.arm.gov/armlogin/log_in.jsp)

File name: smtsondewnpnX1.b1.20150714.111600.cdf		Path: summit\radiosonde\processed	
Attributes			
Name	Value		
'comment_00'	'Location: Radiosonde launched at Summit Camp, Greenland, as part of the ICECAPS project'		
'comment_01'	'Experiment: Integrated Characterization of Energy, Clouds, Atmospheric State, and Precipitation at Summit (ICECAPS), Shupe et. al. 2012 (BAMS)'		
'comment_02'	'PIs: Matthew Shupe, Von Walden, David Turner, and Ralf Bennartz'		
'comment_03'	'Contact = Von Walden (vonw@uidaho.edu)'		
'comment_04'	'Serial_number: RSJ4643668'		
'comment_05'	'Launch_time: 1116Z 14 JUL 15'		
'comment_06'	date this NetCDF file was created was Wed Jul 15 04:30:02 2015'		
'comment_07'	'\$Id: read_sonde2cdf.pro,v 1.13 2013/02/14 15:12:58 nbmiller Exp \$'		
'comment_08'	\$Id: write_arm_sonde_file_3.pro,v 1.7 2012/09/13 15:18:29 nbmiller Exp \$'		
'serial_number'	'RSJ4643668'		
'missing_data_flag'	'-9999'		
Dimensions			
Name	Length		
time	2541		
Variables			
Name	Long name		Units
'base_time'	'Time since 1970-01-01 00:00:00'		'seconds'
'time_offset'	'Time since base_time'		'seconds'
'pres'	'Pressure'		'hPa'
'tdry'	'Dry bulb temperature (i.e., ambient temperature)'		'C'
'rh'	'Relative humidity'		'%'
'time_post'	'Time after launch'		'sec'
'dpt'	'Dew point'		'C'
'wspd'	'Wind speed'		'm/s'
'wdir'	'Wind direction'		'deg'
'lat'	'Latitude'		'deg N'
'lon'	'Longitude'		'deg E'
'alt'	'Altitude'		'm MSL'

Official Data Submission to an Archive

Data Cable

rsync

NOAA server