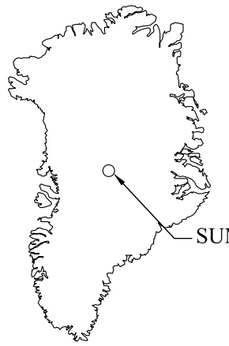
SUMMIT STATION GREENLAND

SUMMIT STATION LAYOUT



N

0 200 400 600

3 BLACK SKIWAY
EDGE VISIBILITY MARKERS
400FT. SPACING BOTH SIDES

#2 BLACK SKIWAY
DISTANCE REMAINING MARKERS
ON BOTH SIDES / ENDS OF SKIWAY

DISC BORE HOLE SITE

GRIT CARGO BERM

CARGO BERM

SUMMIT SKIWAY 200' (MARKER-TO-MARKER) x 10600'
223° 24' 18" TRUE (2013)
201° 46' 23" GRID (2013)

148.00

TAXIWAY A

200FT. TYP.

WINDSOCK

FUEL TANKS

2013 FUEL LINE
ELECTRIAL FEEDER

SCIENCE AND OPERATIONS
BUILDING (SOB) AND SNOW
MELTER

C-130

270FT.

POWER POLE
FUEL BLADDER
FUEL VAULT
UTILITY VAULT 2

JAKE'S PLACE
ROBIN

TRANSITIONAL TRANSFORMER
SUBSTATION (TTS)

AUTONOMOUS RESEARCH MODULE

TENT CITY

POWER DISTRIBUTION HUT (D-SHACK)

ELEVATED EMERGENCY GENERATOR (E-SHACK)

ABANDONED RE FEEDER

CABOOSE

TULARRIB

SMOBILE

SAUNA

2016 REPLACEMENT SEWER OUTFALL
2016 ABANDONED SEWER OUTFALL
BERTHING MODULE

GH HF ANTENNA ARRAY
(ALIGNED TO 223 AZIMUTH)

TOWER

2013 GREENHOUSE COMPLEX
2016 MICROTURBINE
2016 MICROTURBINE FUEL TANK

2017 SNOW
MELTER
FEEDER

2016
MICROTURBINE
FEEDER

UTILITY VAULT 1

BURIED CABLE (TAWO) FEEDER

MSF FEEDER

SNOWMINE

MSF Power Pole

MSF

BURIED CABLE

OUTHOUSE
LOCATIONS CHANGE EACH SEASON

BIG HOUSE OUTFALL / SEWER LINE

2016 FREEZER TRENCH

DMI WX STATION

BIG HOUSE

SCIENCE "D" PANEL

BIG HOUSE HF ANTENNA
(ALIGNED TO 223 AZIMUTH)

SWISS TEMP SENSOR

50M SWISS TOWER
72° 34.632' NORTH
38° 27.080 WEST
164 FT. AGL

BURIED POWER LINE

GISP 2 BORE HOLE SITE

RADIATION
STATIONS

5 RED
THRESHOLD MARKERS
BOTH SIDES / BOTH THRESHOLDS

SUMMER 2013
GRID APPROACH 08
72° 34.782' NORTH
38° 28.530 WEST
ELEVATION 10520FT.

168.00

08

HIGH-SPEED TURNAROUND
150' RADIUS

SKIWAY APPROACH MARKERS

TAXIWAY B

½ MILE VISIBILITY BOARD

UNDISTURBED SNOW CAMPAIGN SECTOR
(EXTENDS 5KM)

SNOW ACCUMULATION
STUDY AREA

UNDISTURBED SNOW CAMPAIGN SECTOR

CLEAN CAMPAIGN SECTOR
AZ 285° (EXTENDS 5 KM)

CLEAN CAMPAIGN SECTOR
AZ 75° (EXTENDS 5 KM)

CLEAN AIR SECTOR
AZ 270° (EXTENDS 5 KM)
UPDATED SUMMER 2013- JCS

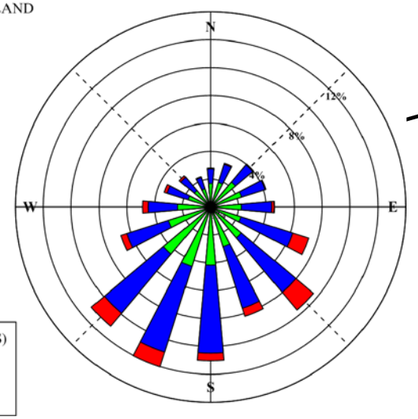
CLEAN AIR SECTOR
AZ 90° (EXTENDS 5 KM)

TAWO

TAWO TOWER w/ GUY WIRE ANCHORS

FUTURE AWO

SUMMIT, GREENLAND
WIND ROSE
2009 - 2013



WIND SPEED (M/S)
>0.5 - 5
>5 - 10
>10

NO.	DATE	DSGN
	DR	JCS
	CHK	APVD
REVISION	APVD	J. SEVER
	BY	

CH2M HILL POLAR SERVICES
9191 SOUTH JAMAICA ST.
ENGLEWOOD, CO. 80112 - 5946

NATIONAL SCIENCE FOUNDATION
OFFICE OF POLAR PROGRAMS
ARLINGTON, VIRGINIA
NSF CONTRACT - NSFDACS11C1675

CH2MHILL Polar Services

SUMMIT STATION, GREENLAND
SUMMIT STATION
SITE PLAN

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	DECEMBER 2016
PROJ	669819
DWG	C-2
SHEET	2 OF 5