

Alpha Film

Station name	DY2 original GCNet AWS
People present	JE3, APA, DVA, CLAN, Jacob Bengtson, Lars
Purpose	Maintenance / installation / take-down / quick visit / emergency
Date	15 June 2021

Notes:

re-set base of mast, p.g-a.

pilots

JIM, charital

too much leaning-

AWS to do list		Check after maintenance	
Part	Part shipped (Y/N)	Shipped part number	Part number upon departure.
Radiometer	old		Clean? Y/N
Iridium modem IMEI number	—		
Inclinometer/compass	—	Attached to the radiometer? Y/N —	
Satellite antenna	—		
Wind sensor		Black box pointing toward the radiometer (i.e. along the boom)? Y/N south	
Temperature / humidity assembly		Fan spins? Y/N Sounds OK? Y/N no fan	
Sonic ranger (lower)		Old sensor with new membrane? Y/N	
Sonic ranger (upper)		Old sensor with new membrane? Y/N NB: make sure not being buried next winter	
Thermistor string	—	Initial depth of upper sensor:	
Solar panel	22	Clean? Y/N	
GPS antenna	—	At top of logger enclosure? Y/N	
Data logger	r	Type is CR1000 or CR1000X or what?	
Multiplexer		Clicking during measurement cycle? Y/N	
Logger enclosure		Replaced (including everything inside)? Y/N New desiccant bags? Y(N)	
Battery box		New box? Y(N) New desiccant bags? Y(N) —	
Extension inserted?	Y	Length: Notes:	
Mast		New AWS mast? Y(N)	

**Metadata maintenance**

	<b>Arrival</b>	<b>Departure</b>
Time difference between logger clock and UTC ( $\pm$ mm:ss)		
Download data to PC and/or change CF Card (wait for green light)	Y / N	Y / N
Name of logger program		
Screen dump of values in fast scan mode	Y / N	Y / N
Photos: mast, sensors, wiring etc. (more is better)	Y / N	Y / N
Mast tilt towards radiometer (- if tilting towards anemometer)	°	°
Mast tilt across boom looking from radiometer (- if clockwise)	°	°
Boom direction relative to north	° true/magn.	° true/magn.
Box on wind sensor exactly towards mast? If not, measure.	Y / N	Y / N
Radiometer exactly aligned with inclinometer? If not, measure.	Y / N	Y / N
Temperature / humidity height (bottom of casing to surface)	cm	cm
Apparent damage to sensors? If yes, which?	Y / N	Y / N

**Notes:****Must-do at next visit:**

core 1

Dye 2  
15 June

1783 g  
528 g

76 cm

to snow  
above first  
ice layer

885

106 g  
top  
snow

to next  
ice layer

982

128-5

same

1670

157

here

1977-89

182

\*

prob a lot of  
chips

here

1780 g - 89

206

339 g

TOTAL LENGTH OF NEW  
MAST HOLE : 225 cm

Last bit retrieved was 2019 melt  
layer

PY2

core 2

$$\begin{array}{r}
 \text{run} \\
 1 \quad 745 \text{ g} \\
 + 1196 \\
 + 388 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 \text{cm} \\
 90 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 2 \quad 377 \\
 \hline
 2706 \text{ g total}
 \end{array}$$

101 cm

snow probe 85, 90 cm

89, 90

95, 90

98, 94

104, 96

core 1 total

3176

$$\div \frac{1}{2} = 0.85$$

$$\frac{2}{3} = 0.91$$

because core 2 + 3  
were better than  
core 1, SWE is average

$$\begin{array}{r}
 \text{of 2, 3} \\
 2588 \text{ g} \pm 235
 \end{array}$$



Core 3

1  
1315 g 4.5 cm  
1155 g 9.0  

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2470

this wk more  
accurate

Dy 2 15 June 21

No. 982T

enc height btm of  
plug 5069.  
lower end

top of boom 114  
wind axle 156

upper  
top of boom 114 + 111  
wind 114 + 155

lower boom top ht 104

3rd plate 145

HMP 45 104 + 145

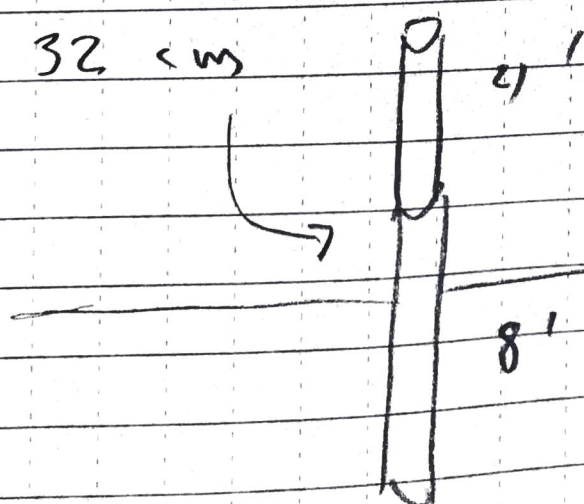
GSS out 104 + 137

radion center 245

lower sonic 175

upper " 216

32 cm



NSN: 7530-01-505-3665

in the Rain