

target @ 2.70m  $v = \frac{s}{t}$

$$\frac{2.7}{0.3} = 9 \text{ m/s}$$

$$270 : 9 = 30 \text{ m}$$

$$v = \frac{9}{0.3} = 30 \text{ m/s}$$

minimum 70 ns 18 ns for air distance  
50 ns for snow  
 $v = 0.2 \text{ m/ns} \approx 5.25 \text{ m firm}$

12.05.17 Dye II pit  $v_A = -9.6^\circ C$

4.5m SV to up GPR 12.43

H/S = 88. - 1/2 81° windstill 85 - 8.9

88 80 - 11.3

87 K 1 1/2 - 1 1 ] 30.6 70 - 14.3

81 1 1/2 - 3/4 3 ] 30.1 60 - 14.8

76 1/1 1/2 - 3/4 2 - 3 32.7 29.3 30.8 50 - 14.6

64 1 1/4 - 3/4 3 32.3 33.6 40 - 14.8

58 1 1/4 - 1 1/2 4 - 36.3 36.3 30 - 15.1

54 1 1/4 - 3/4 4 - 52 ] 36.4 (40.2) 34.8 20 - 15.8

42 1 1/4 - 1 1/2 5 37.9 37.4 10 - 16.4

27 1 1/4 - 1 1/2 4 33.3 36.7 38.6 0 - 16.8

20 1 1/4 - 1 1/2 2 28.5 25.9 30.2

7 D/W 1 - 2 3 34.2 35.6 33.2

0 D/O 2 - 4 3 26.4

13 25 f

Dye II GL not download

date GL net 12.05.17 17:02

date time 12.05.17 14:12

laptop = CR1000 VRSAM  
collected data @ 14:15

logger box full of snow  
radiation sensor failed

Ultrasonic #1 208 cm above snow

Ultrasonic #2 154.5 cm " " surface

Main entrance; snow cleaned, don't as good  
as possible

radiation sensor failed  
14:30

Rite in the Rain

Dye II GL net download

time  
date GLnet 12.05.17 17:02

date time 12.05.17 14:12

Laptop = CR1000 VRSAM

collected data @ 14:15 //

1

logger box full of snow

radiation sensor tilted

Ultrasonic #1 208. - above snow

Ultrasonic #2 154.5. - " " " surface

Main net : snow cleaned out as good  
as possible

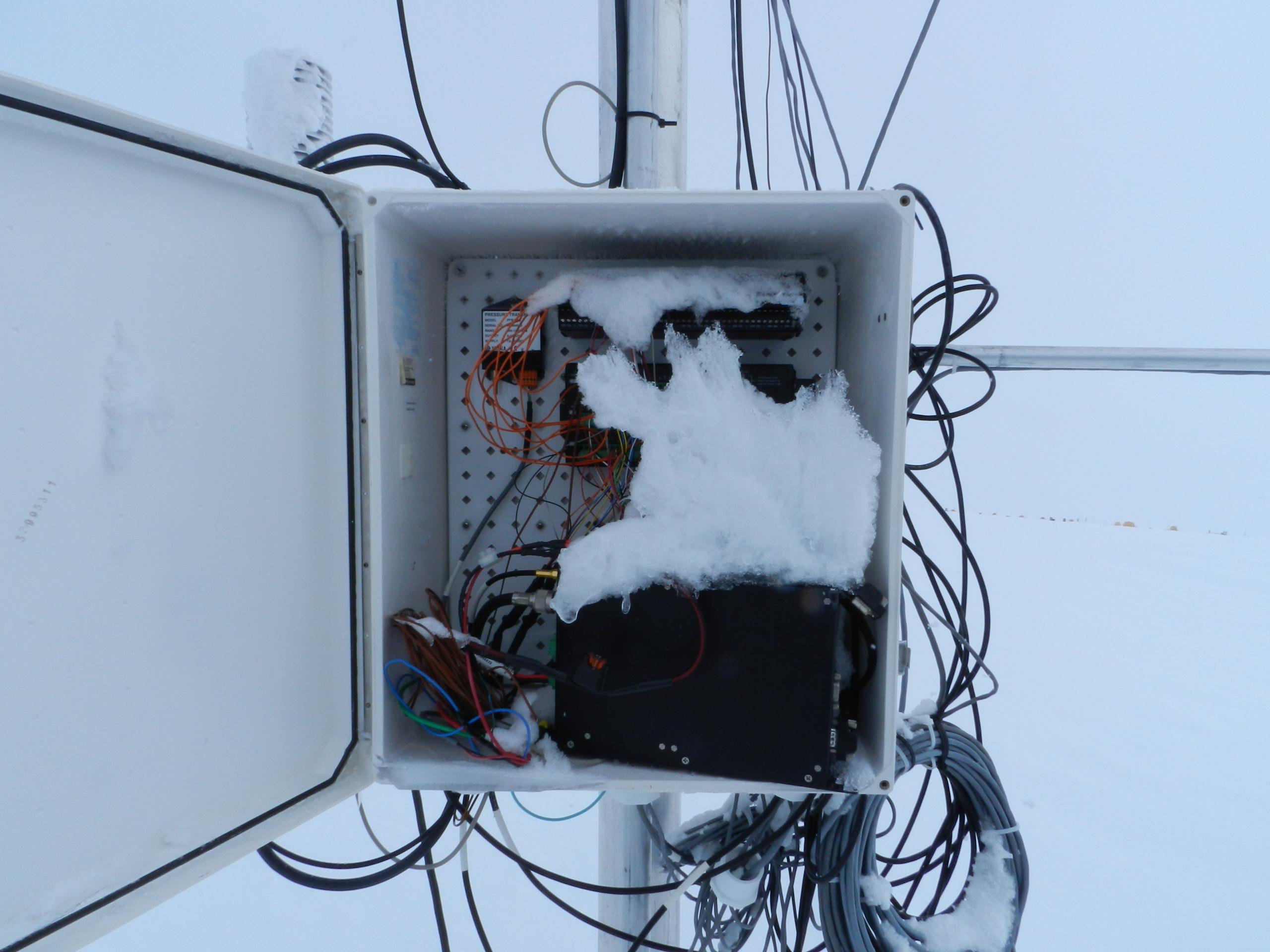
radiation sensor leveled

14:30 //





3799531



PRESSURE TRANSMITTER  
MODEL: PTE-100  
SERIAL: 000000000000  
OUTPUT: 4-20mA  
SUPPLY: 12VDC

J7995377





NASA SE 06.05.17

data download from GIE met P 40

US 1 0.63 m above ground

US 2 1.071 m " "

main pyranometer radiation sensor leveled  
with boom

accumulation NASA SE

06.05.17 1539

- $\Delta$  0/8  $\vartheta = -2.2^\circ$  (wind 5.8)

HS: 199 cm

190 - 6.4

199

180 - 10.0

190 32.1 30.9 Corrected 170 - 13.0

180 26.7 26.8 [29.3] 160 - 14.7

170 25.2 26.5 150 - 16.3

160 31.3 28.4 140 - 17.4

150 32.1 30.7 130 - 18.7

140 30.9 32.8 120 - 19.4

130 32.2 31.9 110 - 20.3

120 34.7 33.5 100 - 20.7

110 29.0 28.8 90 - 21.2

100 33.4 33.4 80 - 21.4

70 - 21.8

Rite in the Rain

90 32.4 32.9 60 -21.9

80 31.7 29.4 50 -22.3

70  $16.5 = 5.6 \times 2.8 \times 2.5$   $4.1 = 2.9 \times 2.7 \times 1.4$  40 -22.3

60 32.4 31.2 30 -22.4

50  $15.8 = 5.6 \times 2.8 \times 2.7$  20 -22.5

40 35.4 31.9 10 -22.4

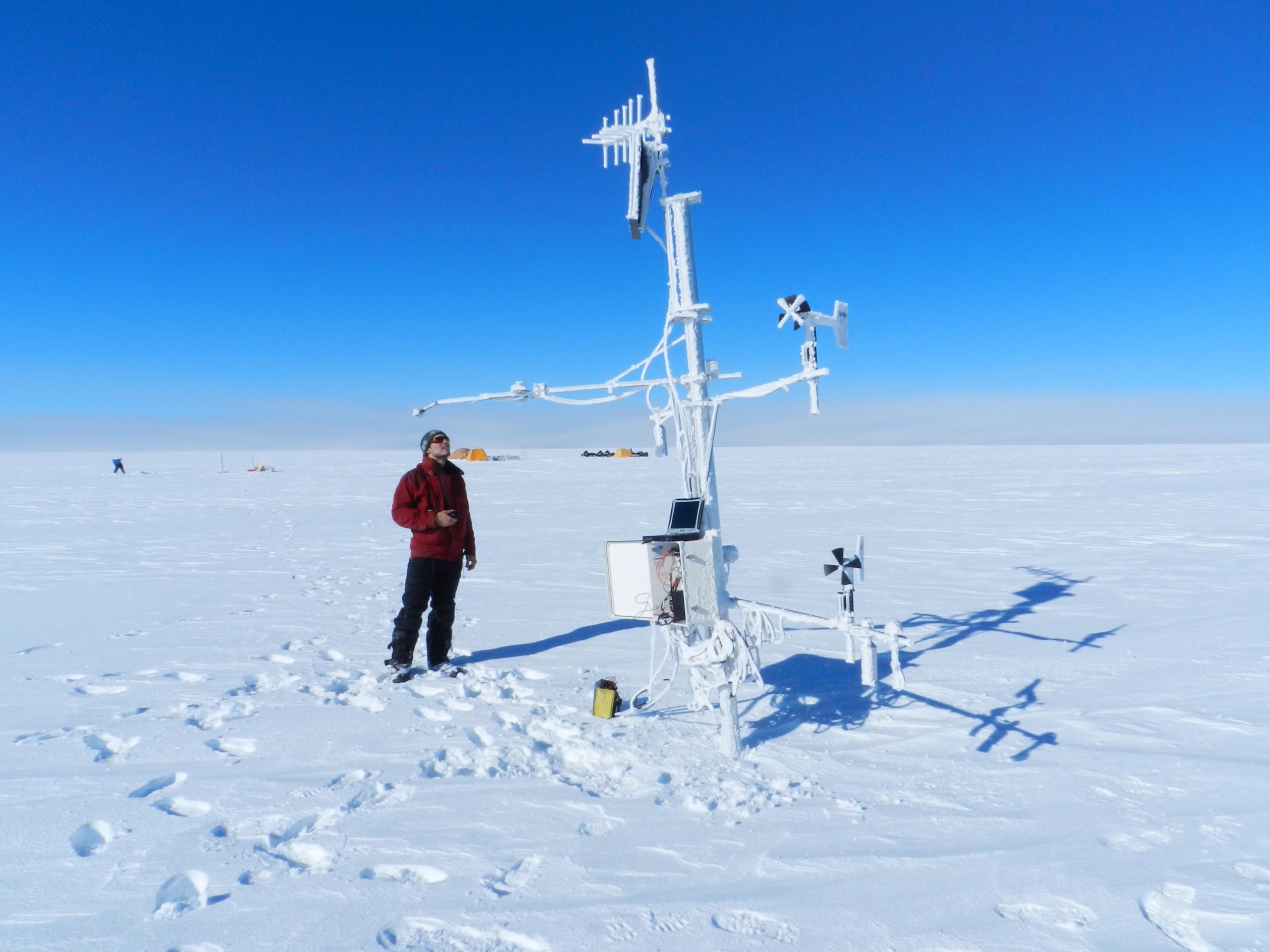
30 34.2 34.7 0 -22.3

20  $11.8 = 2.7 \times 2.5 \times 5.8$

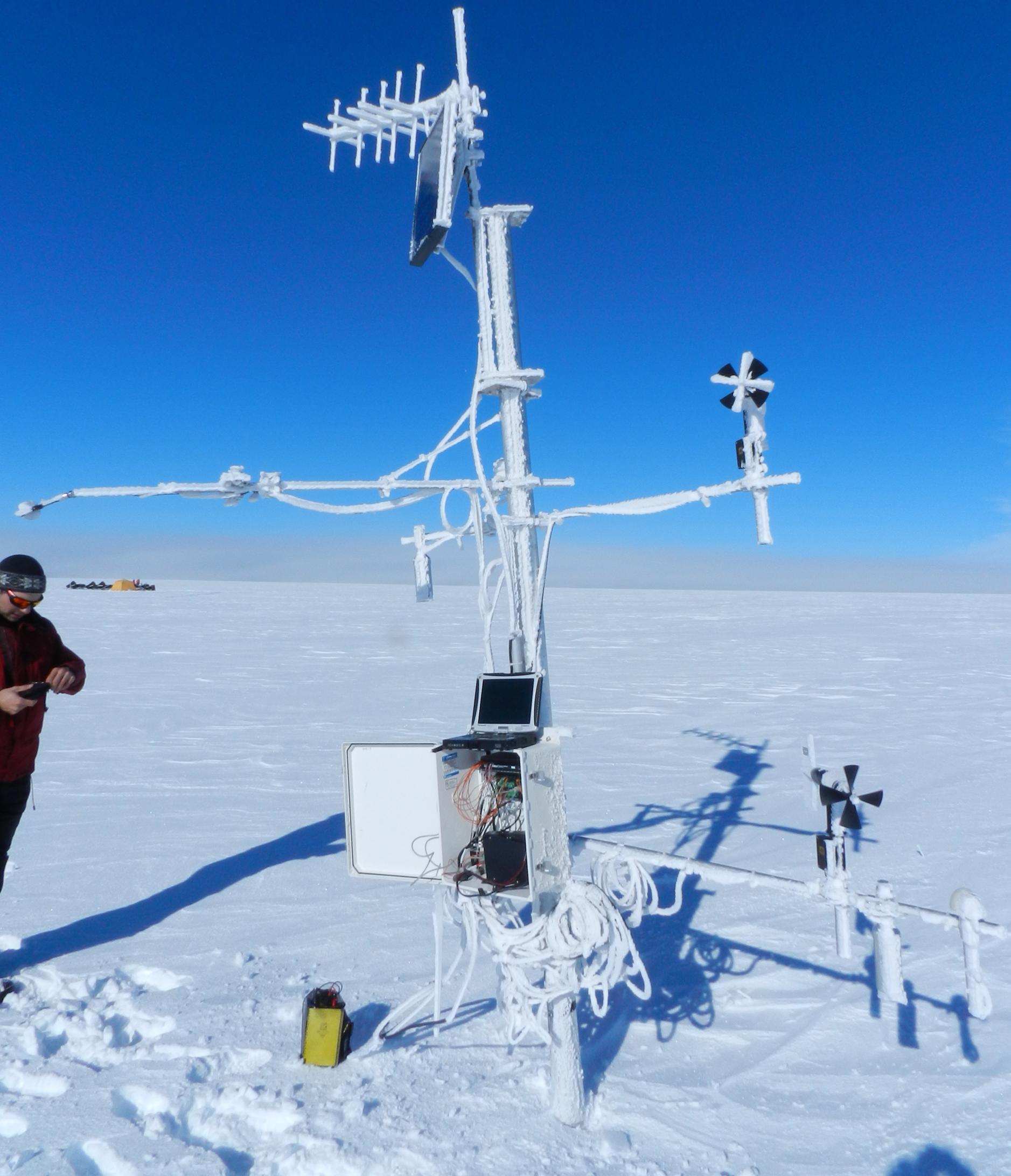
10  $6.2 = 5.8 \times 2.5 \times 1.5$

-4.2 g

Time: 16:25









90 32.4 32.9

80 31.7 29.4

70  $16.5 = 5.6 \times 2.8 \times 2.5$   $4.1 \times 2.9 \times 2.7 = 21.4$  0 - 22.3

60 32.4 31.2

50  $15.8 = 5.6 \times 2.8 \times 2.7$

40 35.4 31.9

30 34.2 34.7

20  $11.8 = 2.7 \times 2.5 \times 5.8$

10  $6.2 = 5.8 \times 2.5 \times 1.5$

-4.2 g

Time: 1625

60 - 21.9

50 - 22.3

30 - 22.4

20 - 22.5

10 - 22.4

0 - 22.3

Saddle data download 08.05.17  
1845

MS#1 - 199.5 cm above snow

MS#2 62 cm " "

no maintenance card problems

removed and reinserted

data from 2015 - now

08.05.17 Saddle snow mit

$\rho_s = -3.4^{\circ}\text{C}$  ~~-10~~ <sup>8%</sup>

moderate S-SW wind

HS 114 cm

114

110 29.9 30.3

105 27.4 27.2

100 32.0 32.3

95 34.8 35.6

90 36.5 37.2

85 36.8 35.6

80 36.0 36.3

75 37.9 38.3

70 36.9 37.8

60 39.7 39.6

50 35.7 33.2

40 37.7 38.2

30 38.5 38.2

20 39.0 38.2

10 39.8 39.8

0 27.7 32.8

High variability

1355

Rite in the Rain





