

Wisconsin Team AWS Field Season 2014-15 Notes

11/12/14: Twin Otter to Cape Hallet AWS (28388)

Team: Lee and Drew

11/15/14: Twin Otter to Marlene AWS (8908)

Team: Lee and Drew

Station Removed

11/15/14: Twin Otter to Eric AWS (8697)

Team: Lee and Drew

Station Removed

11/17/14: Helo to White Island AWS (freewave)

Team: Lee and Drew

11/21/14: Helo to Lorne AWS (freewave)

Team: Drew and Lars folks

11/22/14: Twin Otter to Carolyn AWS (8722)

Team: Lee and Drew

Station Removed

11/28/14: Twin Otter to Vito AWS (8986)

Team: Lee and Drew

Station 8695 removed and replaced with 8986 AWS2B

12/2/14: Twin Otter to Emma AWS (8919)

Team: Lee and Drew

New Installation

12/8/14: Twin Otter to Marilyn AWS (8934)

Team: Lee and Drew

Changed to AWSCR1000

12/10/14: Twin Otter to Emilia AWS (8939)

Team: Lee and Drew

Station 8980 removed and replaced with 8939 AWS2B

12/13/14: Twin Otter to Alexander Tall Tower AWS (8987)

Team: Lee, Drew, and Riggers

12/27/14: Helo to Ferrell AWS (freewave)

Team: Carol, Lee, Elin, Dave

0937: Depart McM

1010: Arrive FER

- Removed Argos transmitter and antenna
- Raised enclosure about 3 ft
- Old batteries not recovered
- Replaced power system (2 batteries) and solar panel
- No new data card
- Instrument heights (inches)
 - o Lower T: 43
 - o Enclosure: 43 (height before visit was 16)
 - o Instrument boom: 89
 - o RH: 121
 - o Upper T: 124
 - o Wind: 139

1208: Depart FER

1245: Arrive McM

12/28/14: Helo to Laurie II AWS (21360)

Team: Carol, Lee, Elin, Dave

0845: Depart McM

0930: Arrive LR2 coordinates

0953: Pilots found LR2

- Station was ~2 feet tall
- Removed old instrumentation
- Raised station with 2 7-foot tower sections
- Put old instrumentation back on
- Ice layer near enclosure
- Instrument heights (inches)
 - o Junction box: 82
 - o Enclosure: 103
 - o Boom: 183

1639: Depart LR2

1719: Arrive McM

12/30/14: Helo to Minna Bluff AWS (freewave)

Team: Carol, Lee, Elin, Dave

1515: Depart McM

1547: Arrive MNB

- Reinstalled high speed power system
- Installed new Thermometrics temperature sensor

- Replaced power system (2 batteries) and solar panel
- Old batteries recovered
- Instrument heights (inches)
 - o Enclosure: 24
 - o Boom: 94
 - o Temperature: 97

1700: Depart MNB

1730: Arrive McM

1/14/15: Twin Otter to Nico AWS (8924)

Team: Dave, Carol, boondogglers Grant (IDDO) and Darrin (VMF)

0837: Depart SP

0907: Arrive NIC

- Old instrument heights, look at pictures
- Removed old instrumentation
- Raised with one 7-foot tower section
- Didn't install pyranometer
- Had to hammer on wind pipe
- Replaced power system (4 batteries) and solar panel
- Old batteries not recovered
- New instrument heights (inches)
 - o Top of battery box 4 feet below surface
 - o Bottom of enclosure 18 inches above battery box; top of enclosure 12 inches below surface
 - o RH: 52
 - o ADG boom: 91
 - o Both temps: 138
 - o Wind: 159

1414: Depart NIC

1445: Arrive SP

1/15/15: Twin Otter to Henry AWS (8985)

Team: Dave, Carol, boondogglers Hans Boerick (RA), Corey Brittle (Geo-Survey), Luke Magolda (Cargo)

0814: Depart SP

0848: Arrive HEN

- Old instrument heights, look at pictures
- Removed instrumentation
- Raised with one 7-foot tower section
- Didn't install pyranometer and ADG
- Replaced power system (4 batteries) and solar panel
- 2 old batteries recovered, 2 not recovered
- New instrument heights (inches)

- o Top of battery box 4 feet below surface
- o Top of enclosure ~5 inches above surface
- o RH: 62
- o Temps: 147
- o Wind: 175

1228: Depart HEN

1259: Arrive SP

1/21/15: Snowmobile to Windless Bight AWS (freewave)

Team: Dave, Carol

0930: Depart McM

1015: Depart snowmo depot

1115: Arrive WDB

- Raised lower temp and enclosure about a foot, see pics for heights
- Dug 3 or 4 feet to battery box and brought to surface
- There was a lot of icing around the battery box
- New instrument heights (inches)
 - o Top of battery box at surface
 - o Enclosure: 42
 - o RH: 90
 - o Lower T: 33
 - o Upper T: 90
 - o Wind: ~130
 - o ADG: 67

1530: Depart WDB

1610: Arrive snowmo depot

1650: Arrive McM

1/23/15: Helo to Cape Bird AWS (freewave)

Team: Carol, Lee, Elin, Dave

1245: Depart McM

1315: Arrive CBD

- Replaced temperature sensor
- Did station inspection
 - o Everything looks good, some effects of corrosion on station
 - o For the ozone stations, both wind generators are broken, one turns and the other doesn't

1430: Depart CBD

1455: Arrive McM

1/27/15: Helo to Marble Point and Ferrell AWS

Team: Dave, Carol

1200: Depart McM

1245: Arrive MPT

- Checked both MPT and MP2
 - MPT: Guy ropes good
 - MP2: Guy wires slightly loose
- Helo pilot refueled at Marble Point

1320: Depart MPT

1425: Arrive FER

- Switched from FreeWave to Argos
- Removed freewave antenna and replaced with Argos 8947
- Unable to connect to CR1000 to update the program

1625: Depart FER

1700: Arrive McM

1/29/15: Twin Otter to Vito AWS (8986)

Team: Dave, Carol, Elin, boondogglers Brian, Katie, Gracie

0700: Depart McM

0815: Depart WFD

0920: Arrive VTO

- Powered down station, swapped Argos antenna adapter, turned back on
- Confirmed Argos transmission with Telonics and call to Lee in McM

0955: Depart VTO

1130: Arrive WFD

1215: Arrive McM

1/30/15: Truck to Willie Field and Pegasus North AWS (freewave)

Team: Dave, Carol, Elin, Lee

1300: Depart McM

1330: Arrive WFD

- At WFD
 - Removed instrumentation
 - Installed one 7-foot tower section
 - Put instrumentation back on
 - Tower section would not fully go on, so needed to go back next day
- At PGN
 - Station check, all looks good

1645: Depart WFD

1715: Arrive McM

1/31/15: Truck to Willie Field AWS

Team: Dave, Carol, Elin

0800: Depart McM

0830: Arrive WFD

- Drilled holes to attach and secure new tower section with 1 bolt in each leg

- New instrument heights (inches)
 - o Lower T: 62
 - o Junction box: 56
 - o Enclosure: 73
 - o Humidity: 176
 - o Upper T: 176
 - o Wind: 200

0900: Depart WFD

0930: Arrive McM

French Team AWS Field Season 2014-15 Notes

12/12/14: D-10 AWS (8914)

Philippe Dordhain

- Power coming from junction box is 13.8 volts
- Retightened wires to get a better connection to the CR1000 power plug

12/25/14: D-85 AWS (8912)

Philippe Dordhain

- Raised about 4 or 5 feet

01/02/15: Dome C II AWS (8989)

Philippe Dordhain

- Before Move/Raise heights (inches)
 - o Temperature: 33
 - o Wind: 57
- Dug about 9 or 10 feet to power cables
- Power cables were thrown in when installed, so it took much longer than expected to recover and raise the site
- Moved to -75.106S and 123.346E
- Height of 2 meters

02/05/2015: D-47 AWS (8916)

Philippe Dordhain

- Installed new flowcaps and software
- Height of the base of the sensors 80 cm