

Station name	SADDLE
People present	JEB, APA, DVA, CLAN, Jim pilot, charnel
Purpose	Maintenance / installation / take-down / quick visit / emergency
Date	14 June 2021

Notes: aim 2 drill in new base 2.2 m @ DYE-2!

AWS to do list		Check after maintenance	
Part	Part shipped (Y/N)	Shipped part number	Part number upon departure.
Radiometer	Y	212895	-
			Clean? Y/N ? looks ok
Iridium modem IMEI number		300534062	415410
Inclinometer/compass		Attached to the radiometer? <input checked="" type="checkbox"/> Y/N	
Satellite antenna		<input checked="" type="checkbox"/>	
Wind sensor		Black box pointing toward the radiometer (i.e. along the boom)? <input checked="" type="checkbox"/> Y/N ✓ yes south	
Temperature / humidity assembly		Fan spins? Y/N Sounds OK? Y/N	
Sonic ranger (lower)		Old sensor with new membrane? Y/N new	
Sonic ranger (upper)		Old sensor with new membrane? Y/N NB: make sure not being buried next winter new	
Thermistor string		Initial depth of upper sensor:	
Solar panel		Clean? <input checked="" type="checkbox"/> Y/N	
GPS antenna		At top of logger enclosure? <input checked="" type="checkbox"/> Y/N	
Data logger		Type is CR1000 or CR1000X or what?	
Multiplexer		Clicking during measurement cycle? Y/N N/A SS	
Logger enclosure		Replaced (including everything inside)? Y/N New desiccant bags? Y/N	
Battery box		New box? <input checked="" type="checkbox"/> Y/N New desiccant bags? Y/N	
Extension inserted?		Length: — Notes:	
Mast		New AWS mast? <input checked="" type="checkbox"/> Y/N	

depth of hole drilled 2.0m 13 cm drill.

Metadata maintenance

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

Notes: