

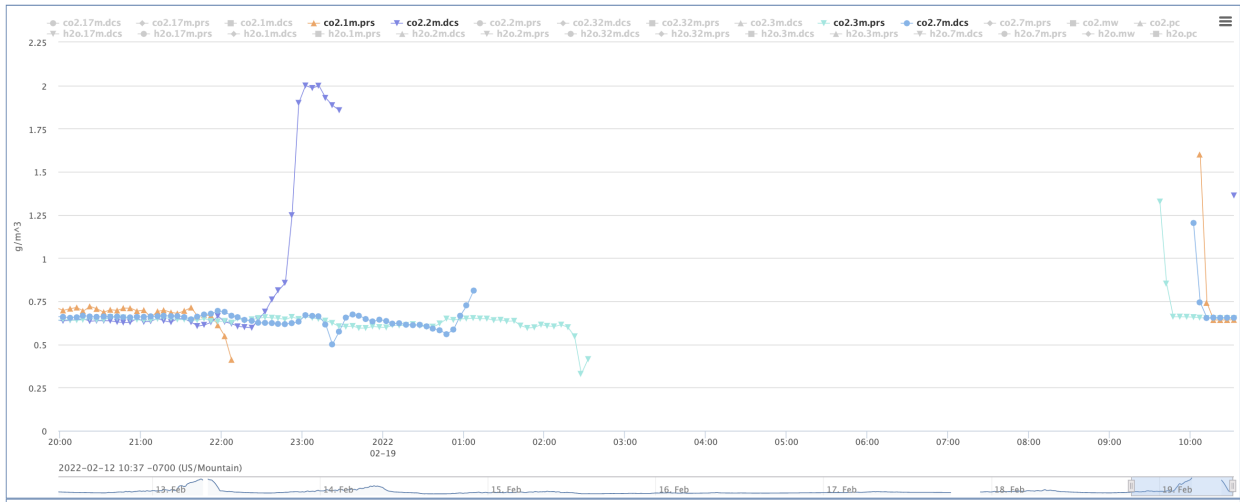
# Ops 2/19

**Weather:** Mostly sunny and calm. Highs in the mid 40's.

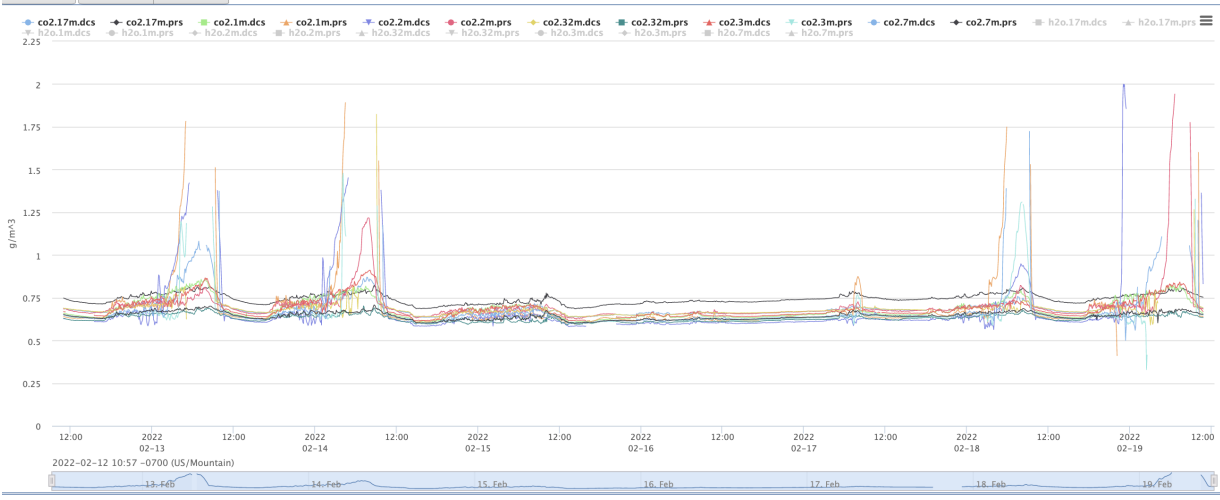
**IRGA at the supersites** - Noticed this morning that there was a long period of bad IRGA data at the super sites at certain heights. Up to 12 hours of bad data at some heights - longer than I've seen in the time series. In particular, heights

- irga.1m.prs
- irga.3m.prs
- irga.2m.dcs
- irga.7m.dcs

Zoom in on the past day



Past week



QC table screenshot

h2o(g/m <sup>3</sup> ) 2022 Feb 19 00:00 - 2022 Feb 20 00:00 MST, clip.limits=(0,40)																
variable	00:00-06:00				06:00-12:00				12:00-18:00				18:00-00:00			
	mean	sd	nclip	Nas	mean	sd	nclip	Nas	mean	sd	nclip	Nas	mean	sd	nclip	Nas
h2o.1m.prs				0 72	2.91	0.067	1 49		2.92	0.058	0 0					
h2o.1m.dcs	2.189	0.526	0 0		3.14	0.371	0 0		2.99	0.071	0 0					
h2o.2m.prs	1.164	0.574	14 0		2.87	0.362	11 26		3.01	0.059	0 0					
h2o.2m.dcs			0 72		2.77	0.674	3 54		3.11	0.061	0 0					
h2o.3m.prs	1.249	0.448	19 41		2.63	0.349	0 43		2.82	0.066	0 0					
h2o.3m.dcs	2.925	1.043	1 0		4.16	0.583	0 0		3.12	0.060	0 0					
h2o.7m.prs	0.829	0.239	42 0		1.71	0.564	19 0		2.39	0.077	0 0					
h2o.7m.dcs			14 58		2.16	0.119	2 48		2.39	0.037	0 0					
h2o.17m.prs	7.988	0.136	0 0		8.32	0.482	0 0		8.83	0.085	0 0					
h2o.17m.dcs	1.855	1.016	25 15		3.12	0.785	5 33		3.56	0.044	0 0					
h2o.32m.prs	1.355	0.472	0 0		1.88	0.891	5 0		2.63	0.048	0 0					
h2o.32m.dcs	1.560	0.486	23 22		3.01	0.505	0 41		3.24	0.044	0 0					
h2o.up	1.466	0.231	0 0		1.87	0.804	0 0		2.80	0.042	0 0					
h2o.mw			16 56		2.39	0.493	2 44		2.67	0.061	0 0					
h2o.lc			0 72		2.92	0.109	0 46		3.20	0.058	0 0					
h2o.cc	1.754	0.064	0 0		1.92	0.324	0 0		2.49	0.114	0 0					
h2o.dc	1.276	0.052	0 0		1.32	0.144	0 0		1.33	0.021	0 0					
h2o.sp	0.850	0.246	37 0		2.21	0.513	21 0		2.76	0.051	0 0					
h2o.sh	1.317	0.244	0 0		1.97	0.785	0 0		2.82	0.059	0 0					
h2o.pc	3.004	0.102	0 0		3.30	0.440	0 0		3.91	0.046	0 0					
h2o.mh	1.817	0.153	0 0		2.17	0.478	0 0		2.70	0.057	0 0					

[top](#) [previous](#) [next](#) [other](#) created: Feb 19 13:08, 2022

DCS

- Steve double checked that the heaters were set properly.
- We visited the DCS site to check the sonic/irga at 2m but there was nothing unusual to note.
- Steve noted that odd HRXL data may be due to interference in the field-of-view with the boom that holds the sonic/irga. I noted that in the DM tracker. We should do a closer examination of these time series during post-project data QC.



- While at DCS we met up with Eric and Sebastian is it looks like they successfully captured early morning fog during IOP8. They had just finished operating the tethered sonde. John and Steve helped secure the balloon



## LC

- Steve visited the LC site to swap the bad sonic with Sebastian's ([See Steve's Blog post](#)). I made a note in the DM tracker.

## ISS

Mid-afternoon we did a second check of the data and sensors at ISS1 then drove to the radiosonde site to launch the 415p radiosonde. We had a pleasant surprise when the PI Zhaoxia Pu from U of Utah stopped by. She assisted filling the balloon and launching the afternoon radiosonde - see John's ISS blog post.

Today is the last day John and I are supporting CFACT operations in the field. Sunday, Steve and Bill take over (Bill arrives tonight). It has been eventful!

Signing off. Time for supper!