

CABL pre- and post-project sonic wind offsets

Following are the results of the post-project sonic wind offsets measured in the EOL Calibration Laboratory temperature chamber.

"ok" indicates u.x and u.y offsets < +/-4 cm/sec and u.z (w) offsets < +/-2 cm/sec.

Non-ok entries list the temperature range within which specs were exceeded and the maximum offset.

Click on the "EOL pre/post-Offset Plots" calibration dates to see the offset plots as a function of temperature. For sonics "on top" use the red data curves (chamber temperature increasing with time) and for sonics "on bottom" use the black curves (chamber temperature decreasing), i.e. the curve with the smaller variance.

The dates in **violet** are the most-recent pre-project calibrations or EOL offset measurements. Significant offset errors are highlighted in **red**.

Sonic	Site	Factory Calibration	EOL pre-project Offset Plots	EOL post-project Offset Plots	u.x	u.y	u.z
0536	BAO 150m SE	June 27, 2012	Oct 14, 2014	July 10, 2015	ok	ok	24 - 38 C -2.5 cm/s @ 29 C
0537	BAO 150m NW	Feb 4, 2015	Oct 9, 2014	July 1, 2015	ok	ok	ok
0539	BAO 250m NW	Feb 6, 2015	Oct 8, 2014	July 6, 2015	> 9 C 10.8 cm/s @ 42 C	19 - 29 C 4.4 cm/s @ 25 C	> 28 C -3.4 cm/s @ 47 C
0671	BAO 200m NW	Feb 10, 2015	Jan 27, 2015	July 7, 2015	ok	ok	ok
0672	BAO 250m SE	Oct 10, 2012	Oct 9, 2014	July 8, 2015	ok	ok	1 - 21 C -2.4 cm/s @ 13 C
0674	BAO 200m SE	Aug 13, 2012	Oct 10, 2014	July 2, 2015	ok	ok	ok
0800	BAO 50m NW	Feb 5, 2015	Jan 21, 2015	July 7, 2015	30 - 34 C 4.7 cm/s @ 31C	ok	ok
0853	BAO 100m NW	June 21, 2012	Oct 10, 2014	July 8, 2015	> -4 C 5.6 cm/s @ 7 C	ok	ok
0856	BAO 300m SE	June 12, 2013	Jan 22, 2015	July 2, 2015	> 40 C -4.7 cm/s @ 45 C	ok	ok
1122	BAO 300m NW	Dec 8, 2011	Jan 13, 2015	July 10, 2015	> 25 C 7 cm/s @ 37 C	ok	ok
1123	BAO 50m SE	June 13, 2013	Jan 13, 2015	July 1, 2015	ok	ok	ok
1124	BAO 100m SE	July 19, 2012	Jan 27, 2015	July 6, 2015	ok	23 - 34 C -4.5 cm/s @ 27 C	ok