

config2 boom angles

Steve Cohn and I just shot boom angles for config#2. A few notes:

- We were standing upwind of the sonics near the berm from about 12:00-13:30 doing this, during a period when the winds were good. A critical investigator may want to remove these data.

- Where there are 2 values, Cohn's are listed second (no reflection on him or his measurements)

- 3u and 8u are not misprints--they really did look quite different

- 5t was behind 5u's PAM mast, but I think I got a good reading by centering the visible outside of the "claws".

| | b | t | u |
|----|----------------|-------------|-------|
| 1 | 134.7 134.7 | | |
| 2 | 136.3 136.1 | | |
| 3 | 135.3 136.1 | 137.3 | 140.3 |
| 4 | 136.2 136.4 | 136.3 | 136.2 |
| 5 | 134.8 134.7 | [133.6] | 136.1 |
| 6 | 133.9 134.1 | 133.3 | 134.1 |
| 7 | 135.3 135.8 | 135.2 | 134.5 |
| 8 | 136.4 136.8 | 137.5 | 130.4 |
| 9 | 134.7 135.1 | 136.3 | 132.2 |
| 10 | 135.4 135.2 | 134.9 | 133.1 |
| 11 | 137.4 136.8 | 136.1 | 134.9 |
| 12 | 136.5 135.8 | | |
| 13 | 136.5 136.1 | | |

P.S. Today (the following morning) I've entered all of the Oncley angles -131.7 degrees into each of the cal_files in boom_normal. We'll see if the wind azimuths start falling into place.

A new set of angles shot by Semmer on 7/28.

| | b | cal | | t | cal | | u | cal | | Profile | | cal |
|----|-------|------|--|-------|------|--|-------|------|--|---------|-------|------|
| 1 | 131.7 | 0.0 | | | | | | | | 1.5m | 131.6 | -0.1 |
| 2 | 131.1 | -0.6 | | | | | | | | 3.2m | 132.5 | 0.8 |
| 3 | 131.8 | 0.1 | | 132.4 | 0.7 | | 137.4 | 5.7 | | 4.2m | 129.8 | -1.9 |
| 4 | 131.5 | -0.2 | | 131.5 | -0.2 | | 132.4 | 0.7 | | 5.5m | 133.7 | 2.0 |
| 5 | 131.7 | 0.0 | | 130.4 | -1.3 | | 133.0 | 1.3 | | 7.0m | 132.2 | 0.5 |
| 6 | 129.9 | -1.8 | | 130.2 | -1.5 | | 131.1 | -0.6 | | 8.0m | 133.7 | 2.0 |
| 7 | 131.5 | -0.2 | | 131.5 | -0.2 | | 130.6 | -1.1 | | | | |
| 8 | 132.1 | 0.4 | | 133.9 | 2.2 | | 127.7 | -4.0 | | | | |
| 9 | 132.0 | 0.3 | | 133.6 | 1.9 | | 129.0 | -2.7 | | | | |
| 10 | 132.1 | 0.4 | | 132.2 | 0.5 | | 130.2 | -1.5 | | | | |
| 11 | 133.3 | 1.6 | | 133.2 | 1.5 | | 131.8 | 0.1 | | | | |
| 12 | 132.3 | 0.6 | | | | | | | | | | |
| 13 | 132.5 | 0.8 | | | | | | | | | | |

cal: entry in calibration file = measured magnetic azimuth - 131.7