

sonic tilt calculations

TWH has calculated the sonic tilt angles and w offsets for periods beginning with raising the mast until the mast was next lowered.

In some cases for stations 2 and 4, these periods were only for a few days because of servicing the krypton hygrometers, so I have combined those short periods with longer periods preceding or following the short periods.

Station 1

Date & Time	w offset	lean angle	lean azimuth
CDT	cm/sec	degrees	degrees
6/28 13:55	-3	0.5	54.6
7/25 11:00	-3	0.5	27.6

Station 2

Date & Time	w offset	lean angle	lean azimuth
6/24 13:05	-1	0.5	130
7/8 14:20	-1	0.8	113.3
7/15 11:25	-3	0.7	17.3
7/25 12:15	-3	0.7	27.4
8/2 10:35	-3	0.4	33.8

Station 3

Date & Time	w offset	lean angle	lean azimuth
6/23 16:00	-3	1.1	35.3

Station 4

Date & Time	w offset	lean angle	lean azimuth
6/22 17:30	-1	1.5	56.4
7/8 15:20	-2	1.4	50.1
7/25 13:40	-2	1.2	54.4