

Measured GPS Antennae positions with ComET on 29-April-2013 - measured CNAV antennae position 1-January-2014

Survey Convention: (X) forward +
(Y) STBD +
(Z) down +

REV 4 - TABLE 5 GPS			
Antennae			
LOCATION	X (meters)	Y(meters)	Z(meters)
AVERAGE BM POSITION	-37.655	-0.046	-29.853
to get to GP90D-GPS	move aft	move stbd	move up
	-0.238	3.030	-0.361
GP90D-GPS position now	-37.893	2.984	-30.214
GP90D-GPS (revision 4)	-37.838	2.933	-30.623
to get to NORTHSTAR 941	move aft	move stbd	move up
	-0.273	1.535	-0.054
NORTHSTAR 941 position now*	-37.928	1.489	-29.907
NORTHSTAR 941 GPS survey rev. 4	-37.921	1.503	-29.925
error compared to rev. 4 survey	-0.006	-0.013	0.018
APRIL 2013			
to get to FURUNO GPS#1 aft-port 1850 - BRIDGE 1850	move aft	move port	move up
	-0.315	-2.320	-0.008
FURUNO GPS#1 - aft-port 1850 position now*	-37.970	-2.366	-29.859
FURUNO GPS#2 survey rev. 4	-37.974	-2.365	-29.852
error compared to rev. 4 survey	0.004	0.000	-0.007
COMPARE ON 30-JULY-2013			
to get to FURUNO GPS#1 aft-port 1850 - BRIDGE 1850	move aft	move port	move up
	-0.316	-2.310	-0.012
FURUNO GPS#1 - aft-port 1850 position now*	-37.971	-2.356	-29.865
FURUNO GPS#1 survey rev. 4	-37.974	-2.365	-29.852
error compared to rev. 4 survey	0.003	0.010	-0.013
to get to FURUNO GPS#2 forward port 1850 - CHARTROOM 1850	move forward	move port	move up
	0.720	-1.520	-0.689
FURUNO GPS#2 - forward-port 1850 position now*	-36.935	-1.566	-30.542
FURUNO GPS#2 survey rev. 4	-36.935	-1.577	-30.537
error compared to rev. 4 survey	0.000	0.012	-0.004
to get to CNAV antenna	move forward	move port	move up
	0.245	-2.910	-0.470
CNAV position now*	-37.410	-2.956	-30.323

*position now - refers to the measured position on 29-April-2013

FINAL ANTENNAE POSITIONS			
	forward-aft	stbd-port	down-up
GP90D-GPS position now	-37.893	2.984	-30.214
NORTHSTAR 941 position now	-37.928	1.489	-29.907
FURUNO GPS#1 - aft-port 1850 position now	-37.970	-2.366	-29.859
FURUNO GPS#2 - forward-port 1850 position now	-36.935	-1.566	-30.542
Primary CNAV POSITION	-37.410	-2.956	-30.323

