

1-Jan-14

LOCATION	X(meters)	Y(meters)	Z(meters)
PHIN_PIN_LOC_5	-27.345	0.458	-2.768
	move forward	move Port	move up
	0.075	-0.004	-0.088
P (Phins Reference Point in Unit)	-27.270	0.454	-2.855
Phins Reference Point	-27.270	0.454	-2.855
to get from Phins reference to PRIMARY CNAV antenna	move aft	move port	Move up
Primary CNAV antenna (position relative to survey as of March 2013)	-37.410	-2.956	-30.323
PRIMARY CNAV (this is the far port end of the antenna catwalk) to PHINS Reference Point (mm)	-10.140	-3.410	-27.468
P (Phins Reference Point in unit)	-27.270	0.454	-2.855
to get from Phins reference to BRIDGE/AFT/GPS#1 1850	move aft	Move port	move up
1850 antenna (survey results FURUNO GPS 1) - BRIDGE / AFT 1850	-37.974	-2.365	-29.852
1850 (GPS1) to PHINS Reference Point	-10.705	-2.819	-26.997
P (Phins Reference Point in unit)	-27.270	0.454	-2.855
to get from Phins reference to CHRM/FORE GPS#2 1850	move aft	Move port	move up
1850 antenna (survey results FURUNO GPS 1) - CHARTROOM / FORWARD 1850	-36.935	-1.577	-30.542
1850 (GPS2) to PHINS Reference Point	-9.665	-2.031	-27.686

\*Cnav &amp; Phins:

both CNAV &amp; Phins Ref are aft of the survey origin (CNAV is further aft)

CNAV is port of survey origin, Phins reference is Stbd

both CNAV &amp; Phins Ref are above the survey origin (CNAV is further above)

both 1850 &amp; Phins Ref are aft of the survey origin (1850 is further aft)

1850 is port of survey origin, Phins reference is Stbd

both 1850 &amp; Phins Ref are above the survey origin (1850 is further above)

\*used survey position rather than measured 29-April-2013. This antenna has not been moved since the survey, so the survey should provide the more accurate position

both 1850 &amp; Phins Ref are aft of the survey origin (1850 is further aft)

1850 is port of survey origin, Phins reference is Stbd

both 1850 &amp; Phins Ref are above the survey origin (1850 is further above)