



Notes
measuring
GPS antenna
to
benchmark
April 2013

fud stbd GPS -1850
 GPS#2 REFLR010 152 port
 F-aft (93.5 to front rail) - (21.5 front rail to BM) ✓
 height = 189.6 cm
 from deck

REV 1 - TABLE 5 More Allison Stuff			
LOCATION	X (mm)	Y(mm)	Z(mm)
CNAV antenna	-9896.32	-3329.94	-27465.80
1850 antenna	-10408.16	-2537.80	-27082.83
GP90D-GPS	-10272.33	2760.42	-27854.81
move aft	move stbd	move down	
1850 from CN	-0.51	0.79	0.38
	-10.70	4.40	27.76
CNAV antenna	move aft	move stbd	move down
	-180.00	3105.00	380.00
MAST Position	-10076.32	-224.94	-27085.80
GP90 to mat b	move forward	move port	move down
	215.00	-2980.00	725.00
MAST Position	-10057.33	-219.58	-27129.81
delta cnav-bm	-18.99	-5.36	44.01
1850 antenna	move forward	move stbd	move up
	325.00	2310.00	-2.00
MAST Position	-10083.16	-227.80	-27084.83
delta cnav-bm	6.83	2.86	-0.97

measurements

*197 cm = distance deck to GP90, 120.7 cm distance deck difference in mm compared to CNAV located

measurements

difference in mm compared to CNAV located

ORIGIN	-27565.91	172.35	-2769.14
LOCATION	X (mm)	Y(mm)	Z(mm)
CNAV antenna	-37462.23	-3157.60	-30234.94
1850 antenna	-37974.06	-2365.46	-29851.97
GP90D-GPS	-37838.24	2932.77	-30623.95
1850 from CNAV			
CNAV antenna to mast benchmark			
MAST Position	-37642.23	-27790.85	-54651.70
GP90 to mat benchmark			
MAST Position	-37623.24	-27785.49	-54695.72
delta cnav-bm position			
1850 antenna to mast benchmark			
MAST Position	-37649.06	-27793.71	-54650.74
delta cnav-bm position			

CNAV 308.5 cm port = 3085 mm height BM 120.7 cm
 F-aft (41 cm) - (21.5 front rail to BM) = 195.0 mm
 CNAV height = 153 cm from deck 153 - 120.7 cm = 32.3
 323 mm

GPS #1 aft stbd chart room 232 port
 1850 F-aft 10 + 21.5 cm aft = 31.5 cm
 rail to an + height 121.3 cm from deck ✓

Stbd
Antennae
GPQO

303 cm stbd
156.8 cm height from deck

this does not
appear to match the
survey

BASIC
ON RAIL
Rail = 5 CM

AFT 2.3 CM ~~front~~ front of rail

Northstar

153.5 cm stbd

5.8 cm AFT

126.1 height from deck

BM to front of rail



