

1.4. TIDE PLANNING:

The Earth Gravitational Model (EGM2008) was applied after data collection and ellipsoidal height merge. It is maintained by the National Geospatial-Intelligence Agency (NGA) and provides the WGS84 Ellipsoid to local Mean Sea Level Separation (SEP) value by interpolating from a 1 minute interval grid world model of SEP values. One GPS buoy was deployed and recovered.

Buoy	Latitude	Longitude	Deployed	Recovered
1	65° 19.80N	168° 56.00W	JD 228	JD 246

Table 2: Buoys Deployed.

2.0. GEODETIC CONTROL

2.1. DATASUMS

Horizontal Datum: World Geodetic System of 1984
Projection: UTM 02
Spheroid: World Geodetic System of 1984
Grid: Universal Transverse Mercator

2.2. SOUNDING DATUM

Predicted tide correctors were not utilized. Instead, SABER's GPSZ program was used to achieve geoid-referenced soundings utilizing the 1 minute EGM2008. EGM2008 is the vertical datum for all field-processed data.

Sounding Datum on BAGs submitted to PHB was MLLW.

3.0. (B/H) HYDROGRAPHY

3.1. (B/H) CALIBRATION REPORT

Waterline

The ship waterline value used during this survop was -2.65 m, and the draft value for EM710 sonar was 6.76. Waterline changes are also dynamic, changing slowly and linearly as fuel is consumed.

Weather

JD / TIME	SKY	VISIBILITY	WIND	SEA TEMPERATURE
228 / 1316	Cloudy	5 NM	22-27 KT	44° F
228 / 2330	Cloudy	2.5 NM	17-27 KT	38° F

Table 3: Weather Report for JD 228