

USGS SPCMSC FACS EQUIPMENT LOG

ACTIVITY ID: 13BIM02

EQUIPMENT SYSTEM	EQUIPMENT TYPE	EQUIPMENT CODE	EQUIPMENT BRAND	EQUIPMENT MODEL	EQUIPMENT MEDIA	COMMENTS
Navigation	GPS receiver	DGPS	Magellan	ProFlex 500 P/N 802077 G S/N=201038003	Digital	Primary base station
Navigation	GPS antenna	DGPS	Thales	Choke ring P/N 701945-02 Rev E S/N=CR6200538004	Digital	Primary base station
Navigation	GPS antenna	DGPS	Magellan	GNSS MAG111406 P/N AT1675-7MW S/N=5480	Digital	Primary base station
Navigation	RTK whip antenna	RTK	Pacific Crest	High Power Antenna Model 410-430, 5dB P/N=PCC02560	Digital	Primary base station
Navigation	RTK radio	RTK	Pacific Crest	ADLP-1 390-430 MHz P/N=82218-20	Digital	Primary base station
GPS	Tripod	DGPS	SECO	Collapsible 2-m tripod	Mechanical	Primary base station
Navigation	GPS receiver	DGPS	Magellan	ProFlex 500 P/N 802077 G S/N=201038002	Digital	Secondary base station
Navigation	GPS antenna	DGPS	Ashtech	Choke ring P/N 700936 Rev D S/N=CR13149	Digital	Secondary base station

Navigation	GPS antenna	DGPS	Magellan	GNSS MAG111406 P/N AT1675-7MW S/N 5480	Digital	Secondary base station- changed on JD192 (see log)
Navigation	RTK whip antenna	RTK	Pacific Crest	High Power Antenna Model 410-430, 5dB P/N=PCC02560	Digital	Secondary base station
Navigation	RTK radio	RTK	Pacific Crest	ADLP-1 390-430 MHz P/N=82218-20	Digital	Secondary base station
GPS	Tripod	DGPS	SECO	Collapsible 2-m tripod	Mechanical	Secondary base station
Navigation	GPS receiver	DGPS	Ashtech	Model 800889 Rev B, S/N= ZE120023717	Digital	Boat (backup to SeaSTAR/OmniSTAR)
Navigation	GPS antenna	DGPS	Thales	Choke ring P/N 701945-02 Rev E S/N CR6200548003	Digital	Boat (backup to SeaSTAR/OmniSTAR)
Chirp	Chirp sub-bottom profiler	C	Edgetech	SB 424	Digital	Discover Software v. 3.51 4-20 kHz, Ping = 4 Hz
Interferometric Bathymetry	Interferometric sonar	IFB	SEA, Ltd.	SWATH ^{plus} +H 468 kHz	Digital	SWATH ^{plus} software v. 3.07.10 and v. 3.07.17
Interferometric Bathymetry and Navigation	Precision Attitude and Positioning System	IMU/DGPS	CodaOctopus	Octopus F190R Wet Pod	Digital	Using SeaSTAR/OmniSTAR High Performance (HP) correction for chirp, swath, and backscatter
Interferometric Bathymetry	Sound velocity probe	SOS	Valeport	Mini SVP	Digital	Sound velocity at sonar head

Interferometric Bathymetry	Sound velocity profiler	SOS	Valeport	Mini SVP (cage)	Digital	Sound velocity profile casts
Interferometric Backscatter	Interferometric sonar	IFS	SEA, Ltd.	SWATH <i>plus</i> +H 468 kHz	Digital	SWATH <i>plus</i> software v. 3.07.10 and v. 3.07.17
Interferometric Backscatter	Precision Attitude and Positioning System	IMU/DGPS	CodaOctopus	Octopus F190R Wet Pod	Digital	Using SeaSTAR/OmniSTAR High Performance (HP) correction used chirp, swath, and backscatter
Interferometric Backscatter	Sound velocity probe	SOS	Valeport	Mini SVP	Digital	Sound velocity at sonar head
Interferometric Backscatter	Sound velocity profiler	SOS	Valeport	Mini SVP (cage)	Digital	Sound velocity profile casts
Navigation	Hydrographic survey software	HY	HYPACK, Inc.	HYPACK v. 2011	Digital	Ship navigation