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	Digital	Primary base station
Navigation	GPS antenna	DGPS	Thales	Choke ring P/N 701945-02 Rev E	Digital	Primary base station
Navigation	GPS antenna	DGPS	Magellan	GNSS 111406 P/N AT1675-7MW	Digital	Primary base station
Navigation	RTK antenna	RTK			Digital	Primary base station
Navigation	RTK radio	RTK			Digital	Primary base station
Navigation	GPS receiver	DGPS	Magellan	ProFlex 500 P/N 802077 G	Digital	Secondary base station
Navigation	GPS antenna	DGPS	Ashtech	Choke ring P/N 700936 Rev D	Digital	Secondary base station
Navigation	GPS antenna	DGPS	Magellan	GNSS 111406 P/N AT1675-7MW	Digital	Secondary base station

Navigation	RTK antenna	RTK			Digital	Secondary base station
Navigation	RTK radio	RTK			Digital	Secondary base station
Navigation	GPS antenna	DGPS	Thales	Choke ring P/N 701945-02 Rev E	Digital	Boat
Navigation	GPS receiver	DGPS	Ashtech	Z-Xtreme Model 800889 Rev B	Digital	Boat
Navigation	RTK antenna	RTK			Digital	Boat
Navigation	RTK radio	RTK			Digital	Boat
GPS	Tripod	DGPS	SECO	Collapsible 2-m tripod	Mechanical	Base stations
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	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*plus* +H 468 kHz	Digital	SWATH*plus* 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