Activity ID: Ø1SCCØ1	USGS CMG FACS Overview Log
Topic	Information
USGS Activity ID	Ø1SCCØ1 (2001 Subsidence and Costal Crisis Change Ø1)
Other ID (if any)	
Organization	USGS
Project	?
Area of Operation	Terrebone Bay
Chief Scientist(s)	Jim Flocks
Information Specialist(s)	Dana Wiese
Activity Type	Hi Res Seismic/Chirp
Scientific Purpose/Goals	To characterize nearsurface geology, as it relates to sediment inventories
Platform	R.V. G.K Gilbert
Starting Date	6/30 (J181) 2001
Starting Port	Port Furchon, LA
Ending Date	7/9 (J190) 2001
Ending Port	Port Furchon LA
Equipment Used	Hi Res Single Channel Seismic, chirp
Information to be Derived (e.g., Grain Size, Depth to Basement)	Geophysical data
Summary of Activity and Data Gathered	
Notes	Borders NW = 29°30.00N, 91°00.000W NE = 29°30.000N, 89°15.000W SW = 29°00.00 91°00.00W 29°00.000N 89°15.000W

Activity ID: Ø1SCCØY

USGS CMG FACS Equipment Log

Equipment System	Equipment Type	Equipment Code	Equipment Brand	Equipment Model	Equipment Media	Comments
Applied Acoustics	Seismic	Boom	Applied Acoustics	CSP 300	Digital	CSP300 P.S./Plate V2.03 Delph Seismic V203 ITI-STS hydrophone SN Technology Hexgen 10 chan phone BSI PC, UTM401-1.pln
EdgeTech X-Star	Chirp	Chirp	EdgeTech	X-STAR	Digital	X-STAR SB424 system Elics FSSB V 2.03 SB424 towfish 'UTM401-1.PLN' nav driver
DGPS	NAVIGATION	Nav	CSI	CSI-DGPS	Digital	CSI-DGPS in WAAS mode Hypack Lite software INNERS PC 448 PDX using WAAS

CHIRP – 1-2m down, 2m back (starboard)
SIED – 10m back, 1m out (port)
phones – 0m back, 3m out (starboard)
4,5,6,7 on

Activity ID: 01SCC01

USGS CMG FACS Crew Log

Name	Responsibility	Affiliation
Jim Flocks	Chief Sci	USGS - St Pete
Dana Wiese	Elec Tech	USGS - St Pete
Dave Bennett	Boat Captain 6/30-7/3	USGS/Eckhart St Pete
Keith Ludwig	Boat Captain 7/3 - 7/12	USGS St. Pete

Activity ID: ØSCCØ1

USGS CMG FACS Operation Log

Equipment Code	ID	Start Day	Start Hour	Start Min	Start Comment	End Day	End Hour	End Min	End Comment	Depth (meters) ft.
Nav	on	181	12	00						
Boom	on	181	12	00						
Chirp	on	181	12	00						
Boom	Ø1BØØ1	181	14	38	16:12-changed to new hydrophone/15:31 switch hydrophones/15:45 using old ITT phone-better results Using BYO Platter	181	17	17	Appears to be 6ms offset-(doom) 500ms shot/100ms save phone 4,5,6,7 are	48.9'(14.8m)
Chirp	ØØ1CØØ1	181	14	38	No Platter	181	17	17		48.9'(14.8m)
Nav	11 (?)	181	14	30	14:00-noticed CST DGPS-MAX display blank-unit navigation 14:30 Innerspace stopped sending depth to Hypack	181	17	17	17:00-Serial Port 2 on NAV pc not taking Innerspace depth-switched to Com12 for next line	48.9'(14.8m)
Boom	Ø1BØØ2	181	17	46	No Platter 500ms shot/100ms save 100 Joules	181	20	54		50'(15.15m)
Chirp	ØØ1CØØ2		17	46	Using BYOBOB platter	181	20	54		50'(50.15m)
					17:57 speed increase					
Nav	12		17	46	Depth on Comm12	181	20	54		50'(15.15m)

Activity ID: 01SC01

USGS CMG FACS Operation Log

Equipment Code	ID	Start Day	Start Hour	Start Min	Start Comment	End Day	End Hour	End Min	End Comment	Depth (meters) ft.
Boom	01B003	181	21	18		181	22	35		50' (15.15m)
Chirp	01C003	181	21	20	PAR file only	181	22	35	Not Recorded/only paper copy	50' (15.15m)
Nav	1 xx.181	181	21	18		181	22	35		50' (15.15m)
Boom	01B004	182	13	10	No plot (all sys on 12:30)	182	13	15	Tech issue - restart	42' (12.7m)
Chirp	01C004	182	13	10	Using DYO Plotter	182	13	15	Tech issue - restart	42' (12.7m)
Nav	12.181	182	13	10	Hypack assigns file name		13	28		42' (12.7m)
Boom	01B005	182	13	15		182	13	28		40' (12.12)
Chirp	01C005	182	13	15		182	13	28		40' (12.12)
Boom	01B006	182	13	32		182	14	27	new roll!	40' (12.12m)
Chirp	01C006	182	13	32		182	14	27		40' (12.12m)
Nav	xx1 xx.182	182	13	31		182	15	52		
Boom	01B007	182	14	27	- No Paper Plot	182	14	45		40' (12.12m)
Chirp	01C007	182	14	27		182	14	45		40' (12.12m)
Boom	01B008	182	14	45	- Plotting - new roll	182	15:	52	14:45-15:00 - new phone test	40' (12.12m)
Chirp	01C008	182	14	45		182	15	52		40' (12.12m)

Activity ID: ØSCL Ø1

USGS CMG FACS Operation Log

Equipment Code	ID	Start Day	Start Hour	Start Min	Start Comment	End Day	End Hour	End Min	End Comment	Depth ~~(meters)~~ Ft.
Boom	Ø1BØØ9	182	16	08	Sea anchor/bed @ 16:20	182	19	58		36.8' (11.15m)
Chirp	Ø1CØØ9	182	16	08		182	19	58		36.8' (11.15m)
Nav	002,003	182	16	07	003_1609.182	182	19	29		36.8' (11.15m)
NAV	ØØ9_1929	182	19	29			19	58		36' (10.9m)
Boom	Ø1BØ1Ø	182	20	09	Calibration 21:11-21:14	182	22	43	sys off 23:00	
Chirp	Ø1CØ1Ø	182	20	09		182	22	43	sys off 23:00	
NAV	007_2007.182	182	20	07		182	20	27		33' (10m)
NAV	005_2007.182	182	20	27		182	22	43	sys off	
Boom	01BØ11	183	14	26	sys on 13:00, 100 Tonlm	183	14	40	Sy on 13:00	
Chirp	—	—	—	—	Sys on 13:00	—	—	—	Chirp not working	37'
Nav	007_1426.183	183	14	26	Sys on 13:00	183			Sys on 13:00	
Boom	Ø1BØ12	183	15	28		183	16	23		
Nav	048_1528	183	15	28		183	16	23		
Chirp	Ø1CØ11	183	15	30	paper copy only - Test line	183	15	34		
Chirp	01C012	183	15	34	test line	183	15	35		
Boom	Ø1BØ13	183	15	35		183	17:45	37		
Chirp	Ø1CØ13	183	15	35	Chirp OK	183	17:45	38	16:59 lowered chirp	
NAV	048_1635.183	183	15	35		183	17:45	35		

Activity ID: Ø1SCCØ1

USGS CMG FACS Operation Log

Equipment Code	ID	Start Day	Start Hour	Start Min	Start Comment	End Day	End Hour	End Min	End Comment	Depth (meters) ft
Boom	ØØBØ14	183	17	54		183	18	53		14.8'
Chirp	ØØCØ14	183	17	55		183	18	53		14.8
Nav	046_1753	183	17	53		183	18	53		14.8
Boom	ØØBØ15	183	19	09		183	21	39	Tostel microphone ≈ 17:00	20'
Chirp	ØØCØ15	183	19	09		183	21	39	Sys off 22:00	
Nav	012_1909	183	19	09		183	21	39		
Boom	ØØBØ16	184	13	10	Switched to SN Technics hydrophone	184	15	31	SN Phone 4,5,6,7 on	26'
Chirp	ØØCØ16	184	12	59		184	15	31	Sys on 12:30	26'
Nav	010_1300	184	12	59		184	15	31		26'
Boom	ØØBØ17	184	15	46		184	17	38		
Chirp	ØØCØ17	184	15	46		184	17	35		
Nav	008_1546	184	16	46		184	18	47		
Boom	ØØBØ18	184	17	38	- new paper roll	184	18	47		
Chirp	ØØCØ18	184	17	38		184	18	47		
Boom	ØØBØ19	184	18	55			21	26		
Chirp	ØØCØ19	184	18	55			21	26	Sys off 22:00	
Nav	006_1855	184	18	55			21	26		

Activity ID: Ø1SCCØ1

USGS CMG FACS Operation Log

Equipment Code	ID	Start Day	Start Hour	Start Min	Start Comment	End Day	End Hour	End Min	End Comment	Depth ~~(meters)~~ ft
Boom	Ø1BØ2Ø	185	13	11		185	14	24	sys on 12:30	13.10'
Chirp	Ø1CØ2Ø	185	13	11		185	14	24		13.10'
NAV	Ø1_Ø2Ø.185	185	13	11	- filenames now line # (we hope)	185	14	24		13.10'
Boom	Ø1BØ21	185	14	42		185	15	55		13'
Chirp	Ø1CØ21	185	14	42	Chirp raised 15:49	186	15	55		
Nav	Ø1-Ø21	185	14	42		185	15	55		
Boom	Ø1BØ22	185	16	05	cal boom 16:41	185	≈17	20		15'
Chirp	Ø1CØ22	185	16	05	lower chirp 16:31	185	≈17	20		
Nav	Ø1-Ø22	185	16	05		185	≈17	20		
Boom	Ø1BØ23	185	17	25		185	18	37		30'
Chirp	Ø1CØ23	185	17	25		185	18	37		
Nav	Ø1_23.185	185	17	25		185	18	37		
Boom	Ø1BØ24	185	18	52		185	20	05		17.7'
Chirp	Ø1CØ24	185	18	52		185	20	05		
Nav	Ø1-Ø24	185	17	52		185	20	05		
Boom	Ø1BØ25	185	20	15		185	21	14		
Chirp	Ø1CØ25	185	20	13		185	21	14		37'
Nav	Ø1-Ø25	185	20	13		185	21	14		37'

Activity ID: Ø1SCCØ1

USGS CMG FACS Operation Log

Equipment Code	ID	Start Day	Start Hour	Start Min	Start Comment	End Day	End Hour	End Min	End Comment	Depth (meters)
Boom	Ø1BØ26	185	21	14		185	22	27		14'
Chirp	Ø1CØ26	185	21	14		185	22	27	Sys off - 22:30	14'
Nav	Ø1_Ø26	185	21	14		185	22	27		14'
Boom	Ø1BØ27	186	14	10		186	15	24		25'
Chirp			—	—	Not working (No line Ø1CØ27)				Sys on 12:30	
Nav	Ø27-1410	186	14	10		186	15	24		25'
Boom	Ø1BØ28	186	15	36		186	16	40		25'
Chirp	Ø1CØ28	186	16	05	chirp working - software pblm	186	16	40		25'
Nav	Ø1_028	186	15	35		186	18	10		25'
Boom	Ø1BØ29	186	16	40	18:41 - Using only phones 5,6	186	20	23	19:00-19:26 - no signal generator off (failed)	15'
Chirp	Ø1CØ29	186	16	40		186	20	23		15'
Nav	Ø1_29	186	18	10		186	20	23		15'
Boom	Ø1BØ3Ø	186	20	37		186	21	29		15'
Chirp	Ø1CØ3Ø	186	20	37	21:11 - lowered chirp	186	21	29	sys off 22:00	15'
Nav	Ø1_Ø30	186	20	36		186	21	29		15'
Boom	Ø1BØ31	187	14	58	depth in annotation string (UTM401_1.PCN)	186	17	00		7.5'
Chirp	Ø1CØ31	187	14	58		186	17	00	Sys on	7.5'
Nav	Ø1_Ø31	187	14	58		186	17	00		7.5'

Activity ID: Ø1SCCØ1

USGS CMG FACS Operation Log

Equipment Code	ID	Start Day	Start Hour	Start Min	Start Comment	End Day	End Hour	End Min	End Comment	Depth (meters)
Boom	Ø1BØ32	187	17	10		187	18	58		7'
Chirp	Ø1CØ32	187	17	10		187	18	58		7'
Nav	Ø1_Ø32	187	17	10		187	18	58		7'
Boom	Ø1BØ33	187	19	07		187	20	29		11'
Chirp	Ø1CØ33	187	19	07		187	20	29	ran aground	11'
Nav	Ø1_Ø33	187	19	07		187	20	29		11'
Boom	Ø1BØ34	187	20	57		187	22	35		7'
Chirp	Ø1CØ34	187	20	57		187	22	35	Sys off 23:30	7'
Nav	Ø4_2119	187	21	19	default nav file [illegible]	187	22	35		7'
Boom	Ø1BØ35	188	13	07	Calibration 13:12-13:17 + change hydrophone input	188	14	37		12'
Chirp	Ø1CØ35	188	13	07		188	14	37	Sys on 12:30	12'
Nav	Ø1_Ø35	188	13	07		188	14	37		12'
Boom	Ø1BØ36	188	14	47		188	16	11		36'
Chirp	Ø1CØ36	188	14	47		188	16	11		36'
Nav	Ø1_Ø36	188	14	47		188	16	11		36'
Boom	Ø1BØ37	188	16	16			17	49		11'
Chirp	Ø1CØ37	188	16	16			17	49		11'
Nav	Ø1_Ø37	188	16	16			17	49		11'

Activity ID: Ø1SCCØ1

USGS CMG FACS Operation Log

Equipment Code	ID	Start Day	Start Hour	Start Min	Start Comment	End Day	End Hour	End Min	End Comment	Depth (meters)
Boom	Ø1BØ38	188	18	00		188	18	55		39'
Chirp	Ø1CØ38	188	18	00		188	18	5		39'
Nav	Ø1_Ø38	188	18	00		188	18	55		39'
Boom	Ø1BØ39	188	18	58		188	19	25		14.5'
Chirp	Ø1CØ39	188	18	58		188	19	25		14.5'
Nav	Ø1_37A	188	18	58		188	19	25		14.5'
Boom	Ø1BØ40	188	19	25	Calibrate 19:59	188	20	38		22'
Chirp	Ø1CØ4Ø	188	19	25		188	20	38		22'
Nav	Ø1_1925	188	19	25		188	19	40		22'
Boom	Ø1BØ41	188	20	44		188	22	00		7.4"
Chirp	Ø1CØ41	188	20	45		188	22	00	Sys off 23:00	7.4
Nav	Ø1_Ø41	188	20	43		188	21	09		7.4
Nav	Ø24_2116	188	21	16		188	22	00		
Boom	Ø1BØ42	190	14	38	100 Joules/Ney Gen phase	190	15	13		5'
Chirp	Ø1CØ42	190	14	38		190	15	13	Sys on 11:45	5'
Nav	Ø1_Ø42	190	14	38		190	15	10		5'

Activity ID: Ø1SCCØ1

USGS CMG FACS Operation Log

Equipment Code	ID	Start Day	Start Hour	Start Min	Start Comment	End Day	End Hour	End Min	End Comment	Depth (meters)
Boom	Ø1BØ43	190	15	33		190	15	58		5'
Chirp	Ø1CØ43	190	15	33		190	15	58		5'
Nav	Ø1-Ø43	190	15	33		190	15	58		5'
Boom	Ø1BØ44	190	15	59		190	16	33		7'
Chirp	Ø1CØ44	190	15	59		190	16	33		7'
Nav	Ø1-Ø44	190	15	59		190	16	33		7'
Boom	Ø1BØ45	190	16	35		190	17	08		6'
Chirp	Ø1CØ45	190	16	35		190	17	08		6'
Nav	Ø1-Ø45	190	16	42		190	17	08		6'
Boom	Ø1BØ46	190	17	20		190	19	01		5.5'
Chirp	Ø1CØ46	190	17	20		190	19	01		5.5'
Nav	Ø1-Ø46	190	17	20		190	17	26		5.5'
Nav	007-1724	190	17	24		190	19	01		8'

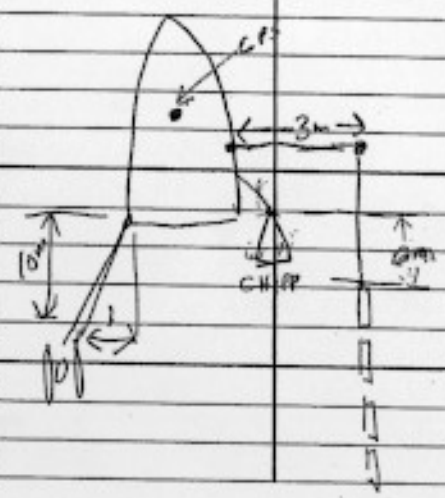
Activity ID: 01SCC02	USGS CMG FACS Overview Log
Topic	Information
USGS Activity ID	01SCC-02 (start WED 8/1) (Jd = 213)
Other ID (if any)	
Organization	USGS
Project	?
Area of Operation	Terrebonne Bay
Chief Scientist(s)	Jim Flocks
Information Specialist(s)	Dana Wiese
Activity Type	Hi Res Seismic/Chirp
Scientific Purpose/Goals	To characterize near surface geology, as it relates to sediment inventory
Platform	R.V. G.K Gilbert
Starting Date	8/2/01 (Jd = 213) (Note Break for weather 8/3 - 8/9)
Starting Port	Port Fourchon, LA
Ending Date	8/19/2001 JD = 230
Ending Port	Port Fourchon, LA
Equipment Used	Hi Resolution Single Channel seismic, Chirp
Information to be Derived (e.g., Grain Size, Depth to Basement)	Geophysical Data
Summary of Activity and Data Gathered	
Notes	On J.D. 228 switched to UND 21' Pelican fishing boat. Boat Driver - Jim Flocks, Seismic Tech - Dana Wiese

Activity ID: Ø1SCC02

USGS CMG FACS Equipment Log

Equipment System	Equipment Type	Equipment Code	Equipment Brand	Equipment Model	Equipment Media	Comments
Applied Acoustics	Seismic	Boom	Applied Acoustics	CSP300	Digital	CSP 300 / Plate, Delph Seismic V203 SN Technologies Nexgen 10 chan phone, BSI PC, UTM401_1.pln OYO 608 ploder
EdgeTech X-Star	Chirp	Chirp	EdgeTech	X-Star	Digital	X-STAR SB424 system Ctics FSSB V203 SB424 Towfish UTM401_1.PLN nav
DGPS	Navigation	Nav	CSI	CSI-DGPS	Digital	CSI-DGPS in WAAS mode Hypack Lite Software INNERSPACE 448 PDR with NMEA depth EPROM installed - depth in M; 1@sec.

Boat Config



CHIRP - 1m down, 2m back (starboard)
Boomer Sled - 10m back, 1m out (port)
phones - 6m Back, 3m out (starboard)

Activity ID: 01SCC02

USGS CMG FACS Crew Log

Name	Responsibility	Affiliation
Jim Flocks	Chief Sci.	USGS - CFCG, St. Pete
Dana Wiese	Electronic Tech	USGS - CFCG, St. Pete
Rich Yemz	Boat Captain	USGS - CFCG, St. Pete

Activity ID: Ø1SCCØ2

USGS CMG FACS Operation Log

Equipment Code	ID	Start Day	Start Hour	Start Min	Start Comment	End Day	End Hour	End Min	End Comment	Depth (meters)
Boom	Ø1BØ47	213	14	26	200 Joules, phones = 5,6 on (balanced drift)	213	17	17	depth in meters Calibrate 15:53	7.2 m
Chirp	Ø1CØ47	213	14	26		213	17	17		
Nav	Ø1SCC02.047.xls	213	14	26	Using UTM401_1.PLN	213	17	17	Nav filename extension one Julian	—
Boom	Ø1BØ48	213	17	17	Boom delay, noted 1800 - both open 10ms Depth not measured	213	20	06	Depth in nav string may be bad (boomer)	7.00 m
Chirp	Ø1CØ48	213	17	17		213	20	06		
Nav	Ø1SCC02.048	213	17	17		213	20	06		
Boom	Ø1BØ49	213	20	16		213	22	44	depth in nav string may be bad (boomer)	7.2 m
Chirp	Ø1CØ49	213	20	16		213	22	14		
Nav	Ø1SCC002.049	213	20	16		213	22	14		
Boom	Ø1BØ50	220	12	32		220	14	17	shutdown for weather depth in Nav string may be bad (boomer)	2.0m
Chirp	Ø1CØ50	220	12	32		220	14	17		
Nav	Ø1SCCØ2.050	220	12	32		220	14	17		
Boom	Ø1BØ51	220	14	17		220	15	31	depth in nav string may be bad (boomer)	5.5m
Chirp	Ø1CØ51	220	14	17		220	15	31		
Nav	Ø1SCCØ2.051	220	14	17		220	15	31		
Boom	Ø1BØ52	220	15	57	PC error delay	220	16	48	Install new Nav driver - good depth (boomer).	12.4m
Chirp	Ø1CØ52	220	15	48	PC error delay	220	16	49		
Nav	Ø1SCCØ2.052	220	15	41		220	16	48		

Activity ID: 01SCC02

USGS CMG FACS Operation Log

Equipment Code	ID	Start Day	Start Hour	Start Min	Start Comment	End Day	End Hour	End Min	End Comment	Depth (meters)
Boom	01B053	220	16	58		220	17	57		4.00 m
Chirp	01C053	220	16	58		220	17	57		
Nav	01SCC02.053	220	16	58		220	17	57		
Boom	01B054	220	18	23		220	19	38		12.6 m
Chirp	01C054	220	18	23		220	19	38		
Nav	01SCC02.054	220	18	23		220	19	38		
Boom	01B055	220	19	45		220	20	36		5.0 m
Chirp	01C055	220	19	45		220	20	36		
Nav	01SCC02.055	220	19	45		220	20	36		
Boom	01B056	220	20	49		220	21	59		
Chirp	01C056	220	20	49		220	21	59		
Nav	01SCC02.056	220	20	49		220	21	59		
Boom	01B057	221	13	19		221	14	31		5.00m
Chirp	01C057	221	13	19		221	14	31		
Nav	01SCC02.057	221	13	19		221	14	31		
Boom	01B058	221	14	31	Nav interruption 14:39-14:58	221	15	51		12.8 m
Chirp	01C058	221	14	31	Nav interruption 14:39-14:58	221	15	51		
Nav	01SCC02.058	221	14	38		221	15	51		

Activity ID: Ø1SCCØ2

USGS CMG FACS Operation Log

Equipment Code	ID	Start Day	Start Hour	Start Min	Start Comment	End Day	End Hour	End Min	End Comment	Depth (meters)
Boom	Ø18Ø59	221	16	02		221	17	07		
Chirp	Ø1CØ59	221	16	02		221	17	07		
Nav	021-1600.221	221	16	00	New nav naming style	221	17	07		11.7m
Boom	Ø1BØ60	221	17	14	depth incorrect in seis/chirp when over 9.99m	221			depth incorrect in seis/chirp when over 9.99m	11.7m
Chirp	Ø1CØ60	221	17	14		221				
Nav	0224 1717.221	221	17	14		221				
Boom	Ø1BØ61	221	18	31	depth recorded in d.dd (2 dec. place)	221	19	38		
Chirp	Ø1CØ61	221	18	31		221	19	38		
Nav	Ø23 1831.221	221	18	31		221	19	38		
Boom	Ø1BØ62	221	19	44		221	20	49		12.3
Chirp	Ø1CØ62	221	19	44		221	20	49		
Nav	Ø24_1944.221	221	19	44		221	20	49		
Boom	Ø1BØ63	221	20	54		221	21	39		
Chirp	Ø1CØ63	221	20	54		221	21	39		
Nav	022_2054	221	20	54		221	21	39		
Boom	Ø1BØ64	221	21	48		221	22	33		
Chirp	Ø1CØ64	221	21	48		221	22	33		
Nav	026 2144	221	21	46		221	22	33		

Activity ID: 0SCC02

USGS CMG FACS Operation Log

Equipment Code	ID	Start Day	Start Hour	Start Min	Start Comment	End Day	End Hour	End Min	End Comment	Depth (meters)
Boom	01B065	222	12	47		222	14	20		6.0m
Chirp	01C065	222	12	47		222	14	20		
Nav	01SCC02_065	222	12	50		222	14	20		
Boom	01B066	222	14	24		222	15	39		1.0m
Chirp	01C066	222	14	25		222	15	39		
Nav	01SCC02_066	222	14	25		222	15	39		
Boom	01B067	222	15	46		222	16	09		6.0m
Chirp	01C067	222	15	46		222	16	09		
Nav	017_1648	222	15	48		222	16	09		
Boom	01B068	222	16	50		222	19	30		10.5m
Chirp	01C068	222	16	50		222	19	30		
Nav	017_1649	222	16	49		222	19	30		
Boom	01B069	222	19	59	reconnected chirp cable	222	22	00		11.7m
Chirp	01C069	222	19	69		222	22	00		
Nav	018_1939	222	19	39		222	22	00		
Boom	01B070	223	12	25		223	13	16		2.2m
Chirp	01C070	223	12	26		223	13	16		
Nav	01SCC02_070	223	12	25		223	13	16		

Activity ID: Ø1SCCØ2

USGS CMG FACS Operation Log

Equipment Code	ID	Start Day	Start Hour	Start Min	Start Comment	End Day	End Hour	End Min	End Comment	Depth (meters)
Boom	Ø1BØ71	223	13	18		223	14	03		1m
Chirp	Ø1CØ71	223	13	18		223	14	03		
Nav	Ø1SCCØ2_Ø71	223	13	18		223	14	03		
Boom	Ø1BØ72	223	14	03		223	15	21		1.7m
Chirp	Ø1CØ72	223	14	03		223	15	21		
Nav	ØØ1_1415	223	14	15		223	15	21		
Boom	Ø1BØ73	223	15	31		223	16	17		2.0m
Chirp	Ø1CØ73	223	15	31		223	16	17		
Nav	003_1530	223	15	31		223	16	20		
Boom	Ø1BØ74	223	16	25		223	17	04		2.0
Chirp	Ø1CØ74	223	16	25		223	17	04		
Nav	ØØ4_1624	223	16	24		223	17	04		
Boom	Ø1BØ75	223	17	10		223	17	50		2.0
Chirp	Ø1CØ75	223	17	10		223	17	50		
Nav	005_1708	223	17	08		223	17	50		
Boom	Ø1BØ76		17	59			18	23		2.0
Chirp	Ø1CØ76		17	59	{GTM 401.1 PLW changed to 4 digit water depth}		18	23		
Nav	006_1759		17	59			18	23		

Activity ID: Ø1SCCØ2

USGS CMG FACS Operation Log

Equipment Code	ID	Start Day	Start Hour	Start Min	Start Comment	End Day	End Hour	End Min	End Comment	Depth (meters)
Boom	Ø1BØ77	223	18	28		223	18	56		11m
Chirp	Ø1CØ77	223	18	28	UTM90L1.PLN changed to 2 dec place water depth	223	18	56		
Nav	004_1820	223	18	28		223	18	56		
Boom	Ø1BØ78	223	19	45		223	20	49		11m
Chirp	Ø1CØ78	223	19	45	Connector/Cable Problem!	223	20	4		
Nav	Ø10_1946	223	19	45		223	20	49		
Boom	Ø1BØ79	223	20	49		223	21	42		11.1m
Chirp	Ø1CØ79	223	20	49		223	21	42		
Nav	008_2049	223	20	49		223	21	42		
Boom	Ø1BØ80	223	21	47		223	22	37		4m
Chirp	Ø1CØ80	223	21	47		223	22	37		
Nav	009_2147	223	21	47		223	22	37		
Boom	Ø1BØ81	224	13	04		224	14	27		2m
Chirp	Ø1CØ81	224	13	04		224	14	27		
Nav	Ø11_1306	224	13	04		224	14	35		
Boom	Ø1BØ82	228	15	17	Switched over to UNO proline - No depth - No Hypack - No UTM or J. Day 100 Jones, phone 5,6 on Using Fugawi 3, Centurion GPS (PMC, GGA, GLL, VTG) Cont_RMC, PLN nav file	228	16	30	calibration 16:23 plate 10 m back 1m off (p) phone 6m back, 3m off (s)	1.1m
Nav	Ø1SCC_228	228	15	15	Proline 21' pleasure boat	228	21	35		

Activity ID: Ø1SCCØ2

USGS CMG FACS Operation Log

Equipment Code	ID	Start Day	Start Hour	Start Min	Start Comment	End Day	End Hour	End Min	End Comment	Depth (meters)
Boom	Ø1BØ83	228	16	33	[illegible]	228	17	45		1m
Boom	Ø1BØ84	228	17	52		228	18	56		1m
Boom	Ø1BØ85	228	19	07		228	20	08		1m
Boom	Ø1BØ86	228	20	08		228	21	35		1.5m
Boom	Ø1BØ87	229	14	23	100 Joules, phase 5,6 on No depth, UTM, JD, L/L OK	229	16	54	Calibrate 15:37	1m
Boom	Ø1BØ88	229	17	05		229	18	49	Rocky NAV pc dial (AC adapter)	8.5m
Boom	Ø1BØ89	230	12	52	Using AC adapter for Rocky/	230	13	51		2m
Nav	Ø1SCS-230	230	12	52	Centurion GPS	230	18	25		
Boom	Ø1BØ90	230	13	57		230	14	51	Starboard Engine Noise	2m
Boom	Ø1BØ91	230	14	51	Calibrate 14:54	230	15	48	Switched to Port Engine	1.5m
Boom	Ø1BØ92	230	15	48	15:52 noise on phones 5,6 switched to phones 7,8	230	16	47		1.5m
Boom	Ø1BØ93	230	16	48		230	18	25		1.5m