

USGS CMG FACS Overview Log
Activity ID: 00SCC04

Topic	Information
USGS Activity ID	00SCC04
Other ID (if any)	
Organization	USGS, Army Corps of Engineers, University of New Orleans, Louisiana Department of Natural Resources
Project	Subsidence and Coastal Change (SCC)
Area of Operation	Barataria Basin, Northern Gulf of Mexico — Louisiana
Chief Scientist(s)	Jack L. Kindinger
Information Specialist(s)	Gina M. Peery (FACS Coordinator — post-cruise)
Activity Type	Marine high-resolution geophysical survey
Scientific Purpose/Goals	Characterization of the geological framework, mapping sediment distribution, and locating offshore sand resources.
Platform	Research Vessel G.K. Gilbert
Starting Date	June 17, 2000
Starting Port	
Ending Date	July 2, 2000
Ending Port	
Equipment Used	Boomer and chirp subbottom profilers
Information To Be Derived (e.g., Grain Size, Depth to Basement)	Imaging surficial and near-surface features
Summary of Activity and Data Gathered	Boomer and chirp data collected. Characterized geological framework.
Notes	These FACS logs were generated by Gina M. Peery in September of 2001 using the handwritten logbooks and personal accounts of the scientist and crew.

USGS CMG FACS Equipment Log
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Equipment System	Equipment Type	Equipment Code	Equipment Brand	Equipment Model	Equipment Media	Comments
Seismic	Chirp Profiler	CHIRP	Edge Tech	Xstar	Digital/Paper	SB-424 Towed Body
Seismic	High-Resolution Sub-Bottom Profiler	BOOM	Applied Acoustics	CSP300	Digital/Paper	High-Resolution Boomer System with Applied Acoustics Plate
Seismic	High-Resolution Sub-Bottom Software	DELPH	Delph Seismic	Delph Seismic V2.03	Digital	Data Acquisition Software
Seismic	Hydrophone	HPHON	ITI	ITI ST5 Hydrophone	N/A	Solid 10 Channel phone for Streamer (phones 4-8 on)
Nav	Navigation Receiver	GPS	Trimble	Centurian	Digital	P-Code GPS Receiver using 'cent_rmc.pln' driver
Nav	Navigation Acquisition Software	FUGAWI	FUGAWI	FUGAWI	Digital	Real time nav software (cent_rmc.pln driver)
Seismic	Seismic Data Acquisition	Kontron	Kontron	IP-Lite	Digital	Seismic Data Acquisition PC
Seismic	Navigation Acquisition Software	Rocky	AMREL	Rocky	Digital	Navigation Data Acquisition Laptop
Plotter	Seismic Plotter	OYO	OYO	608	Paper	

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Equipment Code	ID	Start Day	Start Hour	Start Minute	Start Comment	End Day	End Hour	End Minute	End Comment	Depth (meters)
BOOM	bss00_51	169	15	50		169	18	08	Seismic died	
BOOM	bss00_66	173	17	01		173	21	31	Seismic back up	
BOOM	bss00_67	173	21	32		173	22	02	Shot rate 500 ms	
BOOM	bss00_67a	173	22	05		173	23	27	Collecting 100 ms	
BOOM	bss00_68	174	11	43		174	14	28		
BOOM	bss00_69	174	14	31		174	15	35		
BOOM	bss00_70	174	15	47		174	19	04		
BOOM	bss00_71	174	19	20		174	20	04		
BOOM	bss00_72	174	20	05		174	23	01		
BOOM	bss00_73	175	12	14		175	13	15		
BOOM	bss00_74	175	13	17		175	15	26		
BOOM	bss00_75	175	15	28		175	18	05		
BOOM	bss00_76	175	18	10		175	20	13		
BOOM	bss00_77	175	20	15		175	21	58	End seismic roll #2 Start roll #3	
BOOM	bss00_78	176	12	15		176	14	59		
BOOM	bss00_79	176	15	00		176	15	24		
BOOM	bss00_80	176	15	32		176	16	24		
BOOM	bss00_80a	176	16	26		176	17	10	End of roll #3 Start roll #4 Plotter swap seismic now using Alden	
BOOM	bss00_81	176	17	26		176	20	04		
BOOM	bss00_82a	176	22	06		176	22	18		
BOOM	bss00_83	177	12	44		177	14	41		
BOOM	bss00_84	177	14	41		177	16	30		
BOOM	bss00_85	177	17	05		177	18	56		
BOOM	bss00_86	177	19	29		177	20	10		
BOOM	bss00_87	177	20	44		177	22	02		
BOOM	bss00_88	178	13	36		178	16	15		
BOOM	bss00_89	178	16	19		178	17	10		
BOOM	bss00_90	178	17	11		178	18	33	Good seismic - horizon from 100ms deep and rising	
BOOM	bss00_91	178	18	35		178	20	38		
BOOM	bss00_92	178	20	52		178	22	17	End of roll #4 Start roll #5	
BOOM	bss00_93	179	12	54		179	15	59		
BOOM	bss00_94	179	16	02		179	18	23		
BOOM	bss00_95	179	18	26		179	22	07		
BOOM	bss00_96	180	12	01		180	15	08		
BOOM	bss00_97	180	15	09		180	17	47		
BOOM	bss00_98	180	17	48		180	19	56		
BOOM	bss00_99	180	20	00		180	21	54		
BOOM	bss00_100	181	11	58		181	12	25		
BOOM	bss00_101	181	12	30		181	13	54		
BOOM	bss00_102	181	14	50		181	16	30		
BOOM	bss00_103	181	17	16		181	18	54	End of roll #5 Start roll #6	
BOOM	bss00_104	181	19	31		181	21	19		
BOOM	bss00_105	182	13	03		182	14	15		
BOOM	bss00_106	182	14	57		182	17	30		
BOOM	bss00_107	182	17	35		182	19	06		
BOOM	bss00_108	182	19	08		182	19	49		
BOOM	bss00_109	182	19	56		182	21	24		
BOOM	bss00_110	182	21	26		182	22	20		
BOOM	bss00_111	183	12	05		183	13	06		
BOOM	bss00_112	183	13	07		183	13	38		
BOOM	bss00_113	183	13	43		183	14	39		
BOOM	bss00_114	183	14	49		183	15	21		
BOOM	bss00_115	183	15	23		183	16	18		
BOOM	bss00_116	183	16	19		183	17	16		
BOOM	bss00_117	183	18	10		183	19	23		
BOOM	bss00_118	183	19	27		183	21	12		
BOOM	bss00_119	183	21	15		183	22	15		
BOOM	bss00_120	183	22	17		183	23	02		
BOOM	bss00_121	184	13	24		184	15	12	End of roll#6 Start roll #7	
BOOM	bss00_122	184	15	16		184	17	05		
BOOM	bss00_123	184	17	08		184	19	25		
BOOM	bss00_124	184	19	31		184	21	40		

USGS CMG FACS Crew Log**Activity ID: 00SCC04**

Name	Responsibility	Affiliation
Jack Kindinger	Chief Scientist	USGS - St. Petersburg
Dave Bennett	Boat Captain (6/17/00 - 6/20/00)	Eckerd College - St. Petersburg
Dana Wiese	Electronics Technician	USGS - St. Petersburg
Chandra Dreher	Deck Hand (6/17/00 - 6/22/00)	USGS - St. Petersburg
Keith Ludwig	Boat Captain (6/21/00 - 7/2/00)	USGS - St. Petersburg
Mike Brown	Deck Hand (6/24/00 - 6/26/00)	University of New Orleans
Mark Kulp	Geologist (6/27/00 - 6/30/00)	University of New Orleans
Louis Britsch	Geologist (6/29)	U.S. Army Corps of Engineers, New Orleans District
Gregg Brooks	Geologist (7/1/00 - 7/2/00)	Eckerd College - St. Petersburg
Gina Peery (Post Cruise)	FACS Coordinator	USGS - St. Petersburg