

**USGS CMG FACS Overview Log**  
**Activity ID: 00SCC02**

<b>Topic</b>	<b>Information</b>
USGS Activity ID	00SCC02
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, Grand Isle, 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	12 May, 2000
Starting Port	
Ending Date	31 May, 2000
Ending Port	
Equipment Used	See Equipment Log
Information To Be Derived (e.g., Grain Size, Depth to Basement)	Geophysical data is being used to determine sediment distribution and thickness and to locate sand deposits to be used in Louisiana beach renourishment projects.
Summary of Activity and Data Gathered	Boomer, sidescan sonar, and chirp data collected. Characterized the geological framework.
Notes	These FACS logs were generated by Gina M. Peery in August of 2001 using the handwritten logbooks and personal accounts of the scientist and crew members.

# USGS CMG FACS Equipment Log

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Equipment System	Equipment Type	Equipment Code	Equipment Brand	Equipment Model	Equipment Media	Comments
Seismic	High-Resolution Sub-Bottom Profiler	BOOM	Applied Acoustics	CSP300	Digital/Paper	Applied Acoustics Plate
Seismic	Chirp Profiler	CHIRP	Edge Tech	Xstar	Digital/Paper	SB-424 Towed Body
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
Navigation	Navigation Reciever	GPS	Trimble	Centurian	Digital	P-Code GPS Reciever using 'cent_rmc.pln' driver
Navigation	Navigation Acquisition Software	FUGAWI	FUGAWI	FUGAWI	Digital	Real time nav software
Seismic	Seismic Data Acquisition Computer	Kontron	Kontron	IP-Lite	Digital	Seismic Data Acquisition PC
Navigation	Navigation Acquistion Computer	Rocky	AMREL	Rocky	Digital	Navigation Data Acquisition Laptop

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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_01a	133	20	36		133	21	47		
BOOM	bss00_01b	133	22	47		133	23	01		
BOOM	bss00_02	133	22	07		133	22	20		
BOOM	bss00_03	134	16	47		134	17	38	No Trigger – Bad Line	
BOOM	bss00_04	134	17	48		134	18	08		
BOOM	bss00_05	134	20	43		134	22	58	Seis PC locks up	
BOOM	bss00_6	136	14	52		136	15	47		
BOOM	bss00_06a	136	15	54		136	17	27	Data format changed from SEG-Y, Moto to Elics	
BOOM	bss00_07	136	17	47		136	18	27		
BOOM	bss00_07a	136	18	33		136	19	43		
BOOM	bss00_08	136	19	46		136	22	37	Data format changed back to SEG-Y, Moto from Elics	
BOOM	bss00_09	137	13	41		137	14	48	Seis PC crash, PC reset, trigger fail	
BOOM	bss00_09a	137	14	54		137	15	08	Seis PC crash, PC reset, trigger fail	
BOOM	bss00_09b	137	15	45		137	18	11		
BOOM	bss00_10	137	18	15		137	20	07		
BOOM	bss00_11	137	20	09		137	21	23		
BOOM	bss00_11a	137	21	47			22	02		
BOOM	bss00_12	137	22	04		137	23	29		
BOOM	bss00_13	138	14	23		138	15	24	Using OYO Plotter	
BOOM	bss00_15	138	18	07		138	20	49		
BOOM	bss00_16	139	13	57		139	15	21	Switch to Alden Plotter	
BOOM	bss00_17	139	15	23		139	17	38		
BOOM	bss00_18	139	17	47		139	20	01		
BOOM	bss00_19	139	20	05		139	23	00		
BOOM	bss00_20	141	13	25		141	16	14	Note: installed relay closure in line @ seismic trigger – logging seismic data @ 6 ms delay, hopefully to get over the 6 ms trigger problem, Note: changed to 5 ms delay.	
BOOM	bss00_21	141	16	19		141	17	01		
BOOM	bss00_22	141	17	03		141	19	40		
BOOM	bss00_23	142	13	04		142	14	47		
BOOM	bss00_24	142	14	48		142	16	05		
BOOM	bss00_25	142	16	07		142	17	32		
BOOM	bss00_26	142	17	37		142	21	57		
BOOM	bss00_27	142	21	59		142	22	50		
BOOM	bss00_28	143	12	58		143	14	44	Appears all data are correct except for year	
BOOM	bss00_28b	143	17	00		143	17	11	Note: Day, Month, Year Incorrect No GPS Connectors GPS antenna cleaned and reconnected Ok—now using cent_rmc.pln	
BOOM	bss00_28c	143	17	48		143	18	36	Using Gilbert Nav Graphic	
BOOM	bss00_29	143	18	40		143	20	34	No Day or Year Written to the Header	
BOOM	bss00_30	143	20	36		143	22	11	Shot Interval=245ms, Record length=24ms, Samp Freq=25KHZ	
BOOM	bss00_31	144	14	21		144	16	53	Start roll #6 seismic	
BOOM	bss00_32	145	12	40		145	14	42		
BOOM	bss00_33	145	15	59		145	17	14	End roll #6 start roll #7	
BOOM	bss00_33a	145	17	22		145	17	56		
BOOM	bss00_34	145	18	55		145	19	16		
BOOM	bss00_35	145	19	59		145	22	09	Had to clean center jet	
BOOM	bss00_36	146	12	24		146	16	29	Good seismic *buried pipes @ shot 47430, 15:35	
BOOM	bss00_37	146	16	33		146	16	59	AC plug out of Alden – froze up	
BOOM	bss00_37a	146	17	01		146	19	39		
BOOM	bss00_38	149	12	11		149	13	50		
BOOM	bss00_38a	149	13	56		149	17	08	6 ms eliminator box put in trigger line @ 13:38	
BOOM	bss00_39	149	18	04		149	19	08		
BOOM	bss00_40	149	19	53		149	20	56		
BOOM	bss00_41	150	12	02		150	18	20		
BOOM	bss00_42	150	18	30		150	20	52		
BOOM	bss00_43	150	20	57		150	21	58		
BOOM	bss00_44	150	22	16		150	22	58		
BOOM	bss00_45	151	13	05		151	16	04	Using cent_rmc.pln nav driver power supply up to 200 Joules	
BOOM	bss00_46	151	16	21		151	19	33		
BOOM	bss00_47	151	19	38		151	22	15		
BOOM	bss00_48	152	12	53		152	17	52		
BOOM	bss00_49	152	18	13		152	19	03		
BOOM	bss00_50	152	20	00		152	21	56	End roll #8	

**USGS CMG FACS Crew Log**  
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<b>Name</b>	<b>Responsibility</b>	<b>Affiliation</b>
Jack Kindinger	Chief Scientist	USGS - St. Petersburg
Dana Wiese	Electronics Technician	USGS – St. Petersburg
James Flocks	Geologist	USGS – St. Petersburg
Mark Kulp	Geologist	University of New Orleans
Shea Penland	Geologist (5/15/00-5/22/00, 5/31/00)	University of New Orleans
Allison Peters	Deck Hand (5/31/00)	University of New Orleans
Carlos Alonzo	Deck Hand (5/23/00-5/25/00)	University of New Orleans
Rich Young	Boat Captain (5/12/00-5/22/00)	USGS – St. Petersburg
Keith Ludwig	Boat Captain (5/23/00-5/31/00)	USGS – St. Petersburg
Gina Peery (Post Cruise)	FACS Coordinator	USGS – St. Petersburg