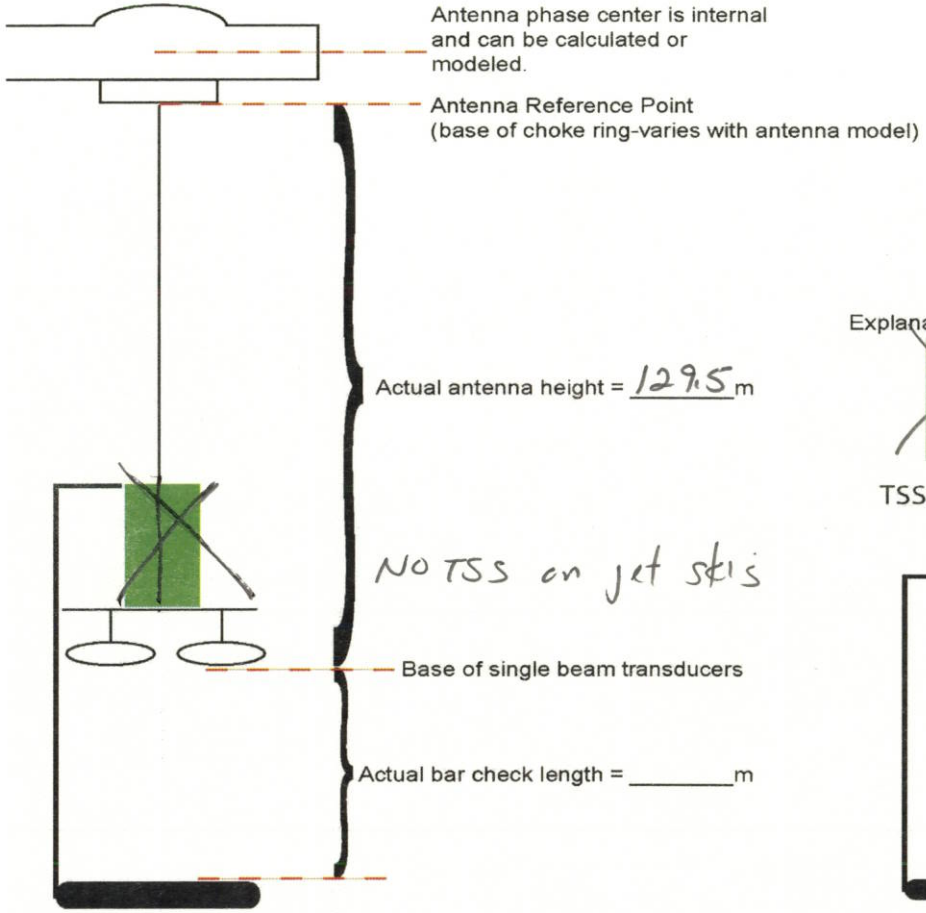
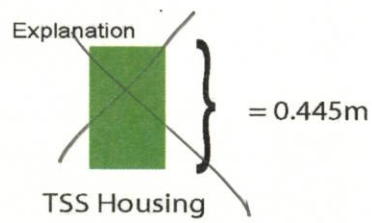
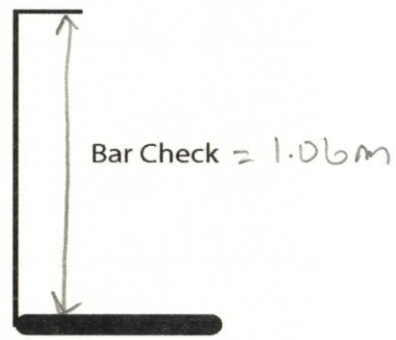
USGS SPCMSC FACS Operations Log - Single Beam Bathymetry | WVR2 |



15B1M03
6/23/2015
DOY = 174
SYP = 1534

P	G	ODOM Reading
5	255	1.00 – 1.05
4	182	0.92 – 0.94
3	182	1.04
3	255	1.03





Day 1 of surveying - started @ Monkey Bayou

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SPCMSC FAN # 2015-317-FA. BIM Chandeleur Wave Runner Page 1 of

DOY	UTC Time	Line #	2015_BIM03_WR2 Hypack Line Name	Odom Waveform File	SOS Profile Name or Reading (m/s)	Bar Check (m)	Comments
2015_168	1610	1	066_1610	Head offshore			g-255, 5-p
"	1628	2	067_1628	Head inshore			
"	1710	3	068_1710	off			
	17:19	3	068_1719	off - cont			cleared out intake & restarted.
	17:31	4	069_1731	in			CTD Cast 1 towards end of line 69
		5	070_1803	off			↳ ≈ 17:40
		6	071_	inshore			
		7	072_2002	offshore			
		8	073_2023	inshore			
		9	074_2054	OFF			
		10	075_2115	IN			CTD2 @ Beginning
		11	076_2131	OFF			Replaced Pins
		12	076_2137	OFF			Replaced Pins
		13	076_2149	OFF			
		14	077_2202	IN			
		15	078_2219	OFF			CTD3 in middle of line 78
		16	079_2301	IN			
		17	080_2313	OFF			
			END OF DAY		2015-168		

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SPCMSC FAN # 2015-317-FA BICM - CHAND Waverunner 2 Page 2 of

DOY	UTC Time	Line #	Hypack Line Name	Odom Waveform File	SOS Profile Name or Reading (m/s)	Bar Check (m)	Comments
2015 169	14:06	18	122-1406				heading N on inshore crossing
							from Monkey.
					CTD 4		Castaway - intact screw
		18	123-1459	cont N inshore crossings			S/N CC1417004
		18	126-1516	Broke the pin(s)			
							G-255, P-5
		18	122-1542				(Not changed)
		18	123-1600	cont. N crossing			
							Having trouble with
							the monitor, looks
				≈ 800m N of 6	CTD 5		like a damaged cable
				btw 6 + Pelican	CTD 6		just about VGA
		18	124-1649				connector under seat
							(Monitor Side - Not
							Seacon Side)
							Reduced gain to 192 on 1649
							Raised up to 213 + Seagrass
							is interfering w/ reading
			124-1813		CTD 7		
							Seaweed matt keeping from
							coastline

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SPCMSC FAN #

DOY	UTC Time	Line #	Hypack Line Name	Odom Waveform File	SOS Profile Name or Reading (m/s)	Bar Check (m)	Comments
	18:22						Broke pin
		18	124-1839				
	18:45				CTD 8		
	18:58				CTD 9		
					CTD 10		
			Battery Died lost all components - swapped + restarted				
			finishing line 124. not sure why it says 290				
	19:55		290-1955	Begin last segment of inner crossing			
			→	Gain - 162 - Power - 5		*	wrong line file ?
X	20:17				CTD 11		
	20:33	19	125-2033	Beginning	center crossing line going South		
	20:56				CTD 12	near	on line 125
	21:06				CTD 12		line 125
	21:17				CTD 13		"
	21:48				CTD 14		"
	22:11	20	295_2211		crossing line South		
	22:31				CTD 15		(100m SE of VI)
	22:40	21	081_2240	(inshore) shore perp where we left off on day 1			
	22:58	22	082_2258	offshore			large shoal offshore line 82
			083_2323	inshore	CTD 16 (23:26)		

EOD 2

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SPCMSC FAN #

DOY	UTC Time	Line #	Hypack Line Name	Odom Waveform File	SOS Profile Name or Reading (m/s)	Bar Check (m)	Comments
2015 170		23	084_1358				
		24	085_1415				
		25	086_1430				
		26	087_1458				
		27	088_1529				
		27	088_1540				GPS went out briefly
	1610	28	88A.RAW				
	1637	29	88B.RAW				
		30					
			Moved to offshore lines, picking innermost crossing				
		31	158_1919				
		32	157_2034	ended ~~[illegible]~~ offshore (inner) crossing line at breach			
		33	078_2126				
		34	295_2248		Stopped line btw islands - too shallow		
		34	295_2337				

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SPCMSC FAN #

	DOY	UTC Time	Line #	Hypack Line Name	Odom Waveform File	SOS Profile Name or Reading (m/s)	Bar Check (m)	Comments
2015	171	SOD 4		heading offshore to pick up inner 1 km of Shore perps.				
				* first running nearshore crossing line				
2015	171		35	062_1440				Prefix 153IM03_WR2_
	"		36	157_1555				
	"		37	048_1707				
	"		38	049_1724				
	"		39	050_1735				
	"		40	051_1745				
	"		41	052_1756				
	"		42	053A_1807				hit start logging button twice
	"		43	054_1821				
	171		44	055_1843.Raw				Max took over shore perps
	"		45	056_1853				
	"		46	057_1906				
	"		47	058_1913				
	"		48	059_1925				
	"		49	060_1936				Might be an erroneous file below
	171		50	061_1948				060_1936
			51	062_2006				

2015 – 171, cont.

2015_337_FA

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SPCMSC FAN # 15BIM03

DOY	UTC Time	Line #	Hypack Line Name	Odom Waveform File	SOS Profile Name or Reading (m/s)	Bar Check (m)	Comments
2015 171			Continuing inner 1 Km of offshore shore perps				
11	20:17	52	063_2017				look for errors & to
		53	064_2035				before all these lines
		54	065-2050				
		55	066_2105				
		56	067_2119		northernmost segment in which the sounder		
	EOD 171	57	153_2245		did not complete		
2015 172							
	SOD 172	58	058_1447				
		59	057_1502				taking to line 47 offshore to
		60	056_1521				the 1km mark
		61	055_1544				includes line 42
		62	054_1603				
		63	053_1614				
		64	041_1644		headed inshore		Switching to outside lines
		65	042_1711				
		66	043_1906				
		67	044_1952				
		68	045_2007				

* JD 172 cont. on pg 7

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SPCMSC FAN #

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DOY	UTC Time	Line #	Hypack Line Name	Odom Waveform File	SOS Profile Name or Reading (m/s)	Bar Check (m)	Comments
2015_ 172	cont.	picking	up inner	crossing line	of gulf	lines	- taking to line 30
172		69	157_2042				inner offshore crossing
"		70	156_2057				cont. off offshore crossing
"		71	035_2156			*	beginning shore perp line of inshore heading north
"		72	036_2213				
"		73	037_2225				
"		74	038_2242				
"		75	039_2256				
"		76	040_2312				
2015_ 172	23:27	77	121_2327				picked up inner crossing of inshore lines
*	EOD	172					

USGS SPCMSC FACS Operations Log - Single Beam Bathymetry

SPCMSC FAN #

DOY	UTC Time	Line #	Hypack Line Name	Odom Waveform File	SOS Profile Name or Reading (m/s)	Bar Check (m)	Comments
	SOD 2015		173				
		inner	shore perps	41-47	then 34 ↓		
2015 173	15:10	78	122-1510		inshore tie line south, broke a pin		
					but kept logging towards EOL		
				Ran back	to the IR - lightening + spouts		
173	1929	79	047-1929		inshore	shore	perps
	19:34				CTD 17		offshore bay line 47
		80	046-1944				
	19:52				CTD 18		≈ middle of 44
		81	045-2002				
		82	044-2016				
		83	043-2033				
		84	042-2047				
		85	041-2107				
		86	034-2132				
	21:42				CTD 19		middle of 39
		87	033-2145				

JD 173 cont. on pg 9

USGS SPCMSC FACS Operations Log - Single Beam Bathymetry

SPCMSC FAN #

DOY	UTC Time	Line #	Hypack Line Name	Odom Waveform File	SOS Profile Name or Reading (m/s)	Bar Check (m)	Comments
2015 173	21:54				CTD 20		
		88	032 - 2159				
	22:03				CTD 21		
		89	031_2215				
		90	030_2251				turned down gain to 101
							Gain down to 201
		91	029_2306				Bumped gain up to 182
		92	028_2320				
~	23:30	93	121_2337		CTD 22		~~CTD~~ Broke pin stopped logging
		94	121_2350				
							Power down to 3 @ 23:51
	00:09				CTD 23		

END DAY

USGS SPCMSC FACS Operations Log - Single Beam Bathymetry

SPCMSC FAN #

DOY	UTC Time	Line #	Hypack Line Name	Odom Waveform File	SOS Profile Name or Reading (m/s)	Bar Check (m)	Comments
2015 174		95	029_1322				Started recording odom after
		96	028-1333				line 029
		97	027_1349				
		98	027_1453				
		99	026_1505				Gain to 255
		100	025_1518				Broke pin at end of line
		101	024_1531				Broke a pin
		102	023_1548				Control panel isn't working
		103	022_1557				
		104	022_1607				Started new 022/Broke pin
		105	021_1615				
		106	020_1623				
		107	019_1637				
		108	156_1645				GPS went out
		109	121_1811				
		110	120-1953				lost transducer 1825
				odom dropped out			lowered gain 182
				at 20:15 & 20:18			
				reset gain to 255 - power still @ 3			

JD 174 cont. on pg 11

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SPCMSC FAN #

DOY	UTC Time	Line #	Hypack Line Name	Odom Waveform File	SOS Profile Name or Reading (m/s)	Bar Check (m)	Comments
2015 174		111	017_2125		picking up line		17:27 from
		112	018_2133		middle tie line in + including		
		113	019_2140		middle tie line		
		114	020_2148				
		115	021_2154				
		116	022A_2202				hit button twice
		117	023_2210				
		118	024_2217				
		119	025_2224				
		120	026A2230				hit button twice
		121	027_2235				
		122					
2015_175	Start of Survey Day 175						G: 255 P: 3
	Weather: overcast, calm						
	line file: Clipped Bcr.inw						
	17:19	123	001_1719	(very shallow ≤ 5)			SOL Δ G: 208
	17:36	124	002_1736				SOL lowered gain to 204
		125	011_1800				back again @ 18:05
		~~126~~	~~012_1812~~		stopped and select tie line		

JD 2015-175

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SPCMSC FAN #

DOY	UTC Time	Line #	Hypack Line Name	Odom Waveform File	SOS Profile Name or Reading (m/s)	Bar Check (m)	Comments
JD 175		126	069 -		picked up tie line from 11 → 18		
		127	016 - 1818				
		128	021 - 1824				
		129	026 - 1837				avoiding a shoal
				→ stopped	logging - broke a pin		
		129	026 - 1844		* restarted - → broke another pin		
		129	026 - 1849				
		130	031 - 1857				
		131	036 - 1913				
		132	041 - 1921				
		133	046 - 1933				
		133	051A 1947				
		134	067 - 1959		← eastern most tie line heading S		
		134	067 - 2006		broke a pin		
		~~135~~	~~068 -~~		started tie line N but needed to get		
					outer shore perp lines; switching to		
					line 1		
		135	001 - 2041				
		136	006 - 2043				

JD 175 cont. on pg

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SPCMSC FAN #

DOY	UTC Time	Line #	Hypack Line Name	Odom Waveform File	SOS Profile Name or Reading (m/s)	Bar Check (m)	Comments
JD 2015-175	cont.	137	011-2051				
		138	016-2057				
		139	021-2102				
		140	026-2107				
		141	031-2113				
		142	036-2120				
		143	069-2131		tie line heading NW		
		144	070-2140		West tie line heading S		