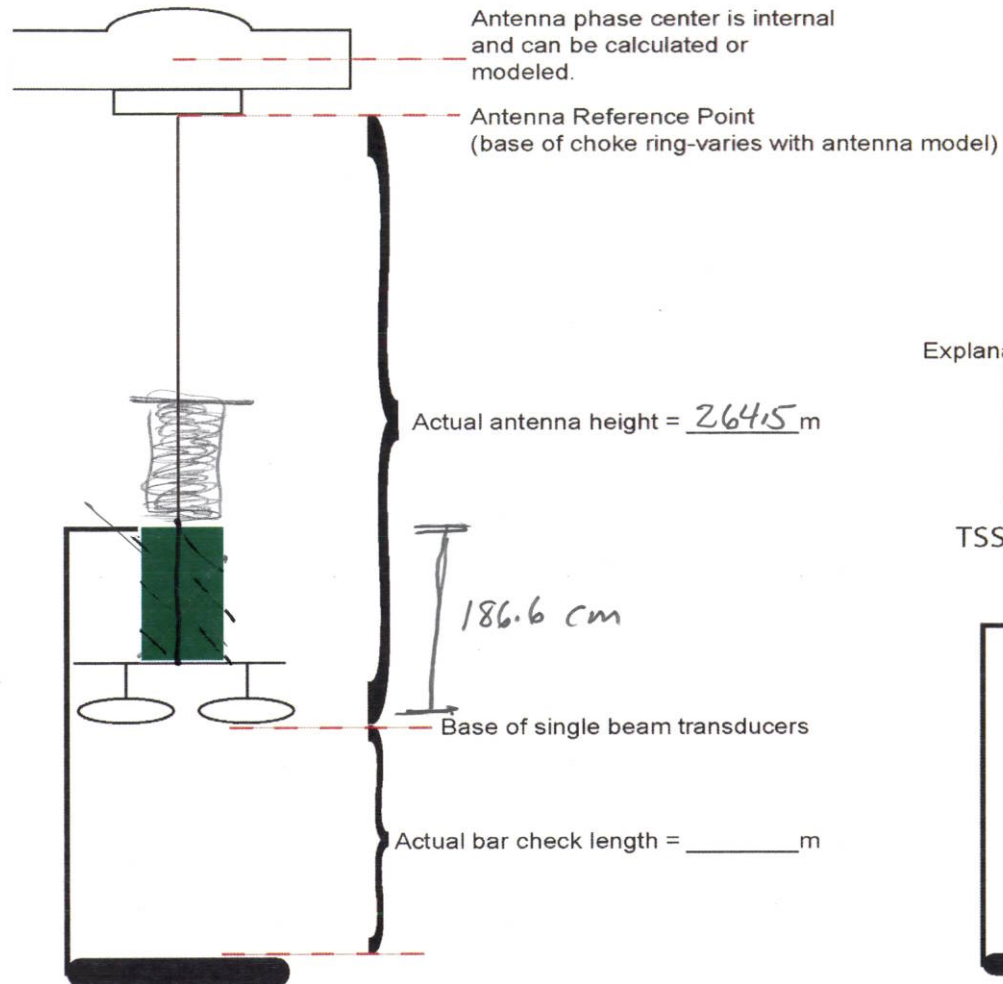


USGS SPCMSC FACS Operations Log - Single Beam Bathymetry



15B1M01

R/V Sallenger

6/23/2015

174200X

SVP = 1534 m/s

Explanation



= 0.445m

TSS Housing

Bar Check

USGS SPCMSC FACS Operations Log - Single Beam Bathymetry

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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
168	13:42:00			Begin tran	it / Survey Day		
168	15:30:00	SVPO1	29°50'	40.808	88°	47'2.549	- BAD ODOM P: 16 G: 253
168	15:50	SVPO2	- Bad				
168	15:54	SVPO3	- File name: V0000001.TXT	- GOOD			
168	16:02	1	072-1602				SOL (had to load correct lines, not logging for
168	16:31	2	073-1631				SOL - includes transit to tie
168	17:02	3	074-1702				SOL - includes transit.
168	17:31	4	075-1731				"
168	18:00	SVPO4			BAD		
168	18:04	SVPO5			BAD		
168	18:12	SVPO6			BAD		
168	18:35	5	076-				SOL - TSS not read in hypack
168	19:03	6	077-1903				SOL
168	19:33	SVPO7	- BAD				
168	19:41	7	078-1941				SOL
168	20:11	8	079-2012				SOL
168	20:45	9	080-				- line not recorded in log
168	21:19	10	082-2118				SOL - skipped line 81 or accident.
168	21:41	11	081-2141				SOL
168	22:09	12	143-2209				SOL - crossing horizontal to shore parallel heading

* For SVPO on 168 refer to NOTES on day 168

heading

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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
169	START OF SURVEY DAY						CREW = JACK NANCY
	- Using Castaway SN=			Taking	CASTS for	Jobba	JAW
	- using LIXAR #6 for GPS data						
	13:14	SVP	-		SVP-008		AT the VI
	13:14	SVP			SVP-009		AT ~ Line 104
	13:21	SVP			SVP-010		AT ~ Line 116
	13:38	SVP			SVP-011		AT ~
	13:40:34	13	B10	*.DSO & *.BIN			G = 255 P = 6 SOL = 1340 No Hypack time stamp EOL = 14:47
	* SVP NOTES FOR Day 168			V0000001.TXT =	GOOD & corresponds		to SVP01 in Log
				V0000002.TXT =	GOOD & corresponds		to SVP07 in Log
				V0000003.TXT =	GOOD & Looks to correspond		to SVP07 time in log
169	14:44	SVP	with CASTAWAY		SVP-0012		
	~14:47	SVP	with Valeport	V0000001.TXT	SVP-0013		Connected OK; Download = ✓; Record = ✓
	14:47	14	118-1447				SOL-1447 TRANST TO Line 118 EOL=14:54
	14:54	15	118-1454	EOL 15:09			Line 118 BICM-OFFSHORE, INW
	15:09	16	117-1509				SOL = 1509 Line 117 EOL = 1525
		17	116-	Stopped Logging to	IO Flipped Boat		SOL = EOL =
	15:39	18	116-1539	RESUMED Logging			SOL = 1539 EOL = 1549
	15:49	19	115-1549				SOL = 1549 EOL = 16:05
	16:05	20	114-1605				*** EOL = 16:21

168 SVP 169

USGS SPCMSC FACS Operations Log - Single Beam Bathymetry

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RV SALLENGER

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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
169		21	113-1621				EOL ~ 16:39
	16:39	SVP	CASTAWAY		SVP_014		
	16:40	SVP	Valeport	V000004.TXT	SVP_015		OK = ✓
	16:44	22	112-1644				Line 112 ; EOL = 17:00
	17:00	23	111-1700	(Hypack made 2 small files that are empty)			111-1700.RAW 111-1700-001.RAW
	17:16	24	110-1716				Line 110 EOL = 1732
	17:32	25	109-1732				
	17:49	26	109-1749				TRANSIT over to Line B9
	17:53	27	B9				Long Term Line B9 cut short
	18:25	28	108-1825				Line 108 (transit too)
	18:36	29	108-1836	EOL = 18:49.46			Line 108 offshore. In CW
			109 - snippet	that is wrong			
	1850	30	107-1850				EOL ~ 1609
	1906	31	106-1906				
	19:23:57	SVP	CASTAWAY		SVP_016		= OK
	19:23:57	SVP	Valeport	V000007.TXT	SVP_017		= Took 4 tries to connect = OK ✓
	19:27	32	105-1927				EOL
	19:44	33	104-1944				EOL ~ 19:44
	19:59	34	103-1959				EOL = 2015
✓	20:15	35	102-2015				EOL ~ 20:27

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SPCMSC FAN # 2015-317-FA 15B1101 RV Sallenger						Page 4 of	
DOY	UTC Time	Line #	Hypack Line Name	Odom Waveform File	SOS Profile Name or Reading (m/s)	Bar Check (m)	Comments
169	2031	36	101-2031	*.bin & *.dso	EOL=2043		This is an added line on the fly; will rename 102a
169	2043	37	101-2043				EOL -
169	2057	38	B7-				Long term Line
	2134	39	099-2134				TRANS to Line 100 &
							this includes Line 100
							EOL = 2159
169	22:00	SVP	CASTAWAY		SVP_018		=V
169	22:00	SVP	Valport	V000012.TXT	SVP-019		Downloaded first then
	2202	40	099-2202				EOL=22:20
	2220	41	098-2220				EOL=2236
	2236	42	097-2236				EOL 2252
	2252	43	096-2252				
	2308	SVP	CASTAWAY =		SVP-020		
	2308	SVP	Valport =		SVP-021		
	2310	44	095-2310				EOL 23:27
	2327	END OF SURVEY DAY — Pulling Gear					
169	- Valport Logs data OK the download cable has problems at the bend.						

USGS SPCMSC FACS Operations Log - Single Beam Bathymetry

SPCMSC FAN #							Page _____ of _____
DOY	UTC Time	Line #	Hypack Line Name	Odom Waveform File	SOS Profile Name or Reading (m/s)	Bar Check (m)	Comments
170	—————	—————	Start of	survey day	13:30 UTC	—————	P: 206 6:6
170	13:31	45	152-1331				SOL
170	14:55	152(46)			1456		EOL / start logging
	14:58		151-1459				transit to 151
	~1511	151(47)					SOL
	15:42	48	150-1542				SOL
	17:46	49	146-1746				SOL
	18:31	50	145-1831				SOL
	18:57	51	094-1857				SOL
✓	19:14	52	093-1914				SOL extended, may comp. note.
170	19:31	53	092-1931				SOL
	~20:00	54	085				SOL - BIER line 5/9 91
	20:38	55	090-2037				SOL
	21:01	56	089-2101				SOL
	21:20	57	088-2119				SOL
	21:49		88				EOL - SVP cast
	21:51						Pumpkin SVP
	21:52	58	087-2152				SOL
	22:18		086-2218				EOL 87
	23:11			end 87			EOL (END DAY)

DOY	UTC Time	Line #	Hypack Line Name	Odom Waveform File	SOS Profile Name or Reading (m/s)	Bar Check (m)	Comments
171	~1340	145		Pumpkin SVP			Begin day
171	1348	145	145-1342				SOL 145 continue
	1358	144	144-1358				SOL
	1423	144	144-1423	Brent Shore perpendicular line to SP			EOL
	1435	149		transit to 83 spd test 7.5 kts			SOL
	1446	83	83-1446	slow to 5.3 kts			EOL 149 - SOL 83
	1508	83					EOL 83
	1512		Case Pumpkin 1.7m				
	1514	84	84-1514				SOL 84
	1533		checked Ashtech logging - disk <u>NOT</u> flashing - pushed disk button to start it. Previous checks showed it flashing.				
			NOT logging before 1533? Data we did not change even though flashing...				
	1541		cast pumpkin				raise pole
	run	SOUTH					
	1602		SVP cast				Near SOL 71
	1605		71-1605				SOL 71
	1634		70-1634				EOL 71, SOL 70
	1701	69	69-1701				EOL 70, SOL 69
	1730						EOL 69, Pickup run to B3

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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
171	1744						run up to B3
↓	1746	B3	- B3				SOL B3
	1818						EOL B3
	1828		cast pumpkin twice				
	1900						on line B1
	1926		Pole up - under way to line 68.				
	1938	68	68-1938				SOL 68
	1950	68	may have lost TSS so Restart				SOL 68 (again)
	2019	67	67-2019				EOL 68, SOL 67
	2040		66-240	lines 67 and less not run to beach			End 67, SOL 66
				jet ski is picking up inner parts now.			
				inner part done to line 48			
?			Generator died. - could not find reason - only a little grass in water filter, gas filter look ok. Restarted gen.				
	2125		66-2125	Generator Running - Resume 66			line 66
	2138		65-2138				SOL 65
	2227		Pumpkin SVP				SOL 63 64 → 63 transit
	~2230		turn onto 63				SOL 63
	2258		Pumpkin SVP				(jet ski passed by)
	~2300		just looped on 62 - generator died again - roll sensor is causing shutdown.				Back on line 62 ..

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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
171	2315	61	61-2319				EQ 62 - SOL 63
171	2344						EOL 61
							END DAY 171
							NEW DAY
172	1335						Pole down, Pumpkin SVP cast.
172	1337		060-1337				* Do not use - BASE STATION not up. test VARIABLE
							SPEED for Dropouts
							time 13:52 8 knots - started to see dropouts
	1358						SVP at seaward end line 60
	1406		060-1406				re-run line 060
	1427		059-1427				SOL 59
	1446		058-1446				EOL 59, SOL 58
	1512		057-1512				EOL 58, SOL 57
	1533		056-1533				EOL 57, SOL 56
	1550	SVP					EOL 56
	1602		055-1606				SVP
	1619						EOL 55
	1619		054-1619				SVP + SOL 54
	1643		053-1643				EOL 54 + SOL 53
	17:02		052-1702				EOL 53 + SOL 54

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SPCMSC FAN # 2015-317 - FA 1581m01 R/V SALLENGER							Page 9 of
DOY	UTC Time	Line #	Hypack Line Name	Odom Waveform File	SOS Profile Name or Reading (m/s)	Bar Check (m)	Comments
	17:33		051-1723				EOL 52 + SOL 52
	17:42		050-1742				EOL 51 + SOL 50
	1803						EOL 50
	1805		049-1805	SVP cast			SVP + SOL 49
	1824			SVP cast			EOL 49
	1825		048-1825				SOL 48 EOL 18:45
	18:47		047-1847				SOL 47
	(Small segment on transit to line 46 logged on 048)						
	1910		046-1910				SOL 46
	19:28		045-1928				EOL 46 + SOL 45
	19:45		044-1945				EOL 45 + SOL 44
	20:04		online with WVR2!				EOL 44 + SVP
	- computer + monitor off inverter failed after EOL 44 + SVP restart -						
	no data appears to be lost - checked line file in HYPACK						
	20:19		153-2019				EOL 20:31
	20:34		153-2034	overlap previous line heading south to			
	2048		154-2048				SOL 154 (-end 154)
	2116			on line 36 - filling gap on way to 141			EOL 21:24
	2124	SVP		SVP			SURVE EOL 36 + SVP
	2128		143-2128				SOL 43

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SPCMSC FAN # 2015-317-FA 1581M01 K/V SALLENGER							Page 10 of _____
DOY	UTC Time	Line #	Hypack Line Name	Odom Waveform File	SOS Profile Name or Reading (m/s)	Bar Check (m)	Comments
172	2152		142-2152				EOL 43 SOL 42
172	2213				SVP 35		idle online, still recording
	2252		2x SVP cast		SVP 36		End 142, SOL 143
	2254		143-2254				SOL 143
	2320				SVP 37		EOL 143 SVP
172	END OF SURVEY DAY						
173							
173	START SURVEY DAY → JACK / STAN / NANCY * NOTE: ZDA changed from 002 back to 105						
173	13:15		ARRIVE @ GRIG	-setup base / photos / recording to interval & external			
173	13:50			V000025.TXT = SVP 38			using Valeport today
173	13:57		001-1357				SOL 2 offshore, low
	14:16		002-1416				EOL 1 SOL 2
173	14:38		003-1438				P/G = 255/6 for today
	14:58		004-1458				EOL 3 SOL 4
	1522		005-1522				EOL 4, SOL 5
	1545		006-1545				EOL 5, SOL 6
			007				
173	1638		008	V000027.TXT = SVP 39			EOL 7
			008-1640				SOL 8
173	1722		computer crashed - lost the very end - not retrieving the segment				

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SPCMSC FAN # 2015-317-FA 15BIM01 RV Sallenger							Page 11 of
DOY	UTC Time	Line #	Hypack Line Name	Odom Waveform File	SOS Profile Name or Reading (m/s)	Bar Check (m)	Comments
173	17:33		1733 009-1733	R.BIN	also		
	17:58		010-1758				SOL line 10
	18:27		011-1827				SOL 11
	18:51		012-1851				EOL 11, SOL 12
173	19:20		013-1920	V000031.TXT	SVP 40		EOL 12
173	19:20		013-1920				SOL 13
173	19:46		014-1946				EOL 13 SOL 14
173	20:14		015-2014				EOL 14 SOL 15
	~20:18		016-	short line b/c shallow - took			target; maneuvering to
	get back onto line 15 if possible.						
	20:20		015-2020				Resume line 15
NOTE - need SVP to fill in this shallow part							
	20:47		016-2047				
*	21:10		017-2112				turning early @ 0.46 m
	21:12		017-2112				SOL 17 shallow
Deleted junk file from Hypack RAW file - will need to adjust the Log file to remove these.							
	21:32		018-2132				EOL 17 SOL 18
	21:58		019-2158				EOL 18 SOL 19
	22:59	SVP		V000033.TXT	SVP 41		Valueport

SPCMSC FAN # 2019-317-PA 1501M01 RV Sallenger							Page 12 of
DOY	UTC Time	Line #	Hypack Line Name	Odom Waveform File	SOS Profile Name or Reading (m/s)	Bar Check (m)	Comments
173	2303		140-2303	de.bin			Crossing continued
173	2338						EOL 140
173	END OF Survey day						
173	Service GR16						END DAY
174	(Jim and Stan) NEW DAY						(Using Pumpkin for SVP today.)
174	Service GR16 / Changed ODOM = Same Power, 1/2 gain (125)						
	1247						SVP Cast 42 (Pumpkin)
	1249		155-1249				SOL → N
	1337	155	slow for → SVP Cast 43				on line 155
	1359	155	155-1359				SOL EOL 1424
	1424	28	028-1424				
	1444	28					EOL 28
	1444	29	29-1444	(will pickup end of 29 that was missing)			SOL 29
	1449	29	turn onto line 29				EOL 1454
	1455		SVP Cast 44				
	1455	141	141-1455				SOL 141
	1525	20	020-1525				EOL 141, SOL 20
	1527	20	Turn				Turn onto line 20
	1546	21	021-1546	(pole upon transit to 21)			SOL 21
174	1559		022-1559				EOL 21, SOL 22

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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
174	1619	23	023-1619	(Pole up on run to 23)			SOL 23
	1633			(Weather Calm)			EOL 23
	1639	24	024-1633				SOL 24
	1637	24		turn onto line			on 24
	1651	24		Pole up - run to 25			EOL 24, Pole up
	1654	25	025-1654	Pole down			SOL 25
	1708	26	026-1708				EOL 25, SOL 26
	1714			Turn on to 26			
	~1732?			Pole up for run to 27			EOL 26
	1736	27	027-1736	Pole down			SOL 27 OUTER
	1812			SVP cast 45			
	1812		027-1812	[START INNER GRID]			SOL 27 INNER
	1824		026-1824	recording along 2 nd inner helix line			EOL 27
	1827						turn onto 26
	1834		025-1834				EOL 26
	1844		024-1844				EOL 25
	1847						turning onto 24
	1855		023-1855				EOL 24
	1858						turning onto 23
	1906		022-1906				EOL 23, 1909 turning onto line

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SPCMSC FAN # 2015-317-FA 1SBIM01 R/V Sallenger							Page 14 of
DOY	UTC Time	Line #	Hypack Line Name	Odom Waveform File	SOS Profile Name or Reading (m/s)	Bar Check (m)	Comments
174	1918		021-1918				EOL 22; 1921 turning onto 21
	1929		020-1929				EOL 21
	1941		019-1941				EOL 20
	1951		018-1951				EOL 19
	1955			SVP cast 48			
	2002		017-2002				EOL 18
	2010		130-2010				start tie line at L line 17
	2045		001-2045 → 999-2045				Freehand line around Is.
	2145			2 casts 46, 47			END line 999
				EOL 174			
175			NEW DAY - Jack and Stan				(using pumpkin SVP)
175	1638			SVP 48			
	1640		300-1640				SOL 300
				ODOM = Power = 6, gain = 125			
	1755						EOL 300
	1757			SVP cast 49			
	1759		159-1759	EOL 1824			SOL 159 @ 1824 EOL
	1824		130-1824				EOL 159 SOL 130
	1843		130-1843	cast 50			EOL 130, SVP 50

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SPCMSC FAN # ~~753~~ 2015-317 - FA ISBIM01 R/U SALLINGER

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