Underway CHIRP Log						
Jday	**GMT**	**Local day**	**Local time**	**Line name**	**Chirp Number**	**Watchstander Notes**
141	2135	21-May	1635			GPS antenna: 8.55m from stern, 3.39m from centerline to port

BEGIN DAY 1

142	13:00	22-May	8:00			Arrive at Manta, Day 2. Heavy rain. 4-7' seas preventing work in the Gulf. Plan to shoot in the Galveston Bay
142	13:30	22-May	8:30			Safety talk
142	18:02	22-May	13:02			pulling away from dock, heading to start of line17_01
142	19:39	22-May	14:39	Galveston2017 Line 1		deploying chirp
142	19:40	22-May	19:40	1		CHIRP in water
142	19:53	22-May	14:53	1		begin collecting CHIRP data
142	19:58	22-May	14:58	1		end CHIRP line, pulse length too long for water depth
142	20:00	22-May	15:00	Galveston2017 Line 2		BEGIN LINE
142	20:16	22-May	15:16	2		raising CHIRP, ~3m above seafloor; raise power to 90%
142	20:35	22-May	15:35	2	12190	potential channel flank
142	20:52	22-May	15:52	2		Team 2 now logging.
142	21:06	22-May	16:06	2	21381	Potential edge of valley.
142	21:15	22-May	16:15			Starting to turn off line.
142	21:17	22-May	16:17	Galveston2017 Line 3		Starting chirp line 3.
142	21:28	22-May	16:28	Galveston2017 Line 4		Starting chirp line 4. Edge of valley.
142			##########			
142			##########			
142	22:09	22-May	17:09	Galveston2017 Line 5	?	Staring chirp line 5 while turning.
142	22:21	22-May	17:21	Galveston2017_line6.001	44400	Staring chirp line 6. Error creating new file, therefore file name is Galveston2017_line6.001
142	22:34	22-May	17:34		48080	End of chirp line 6. Stopping operations for the day.

END DAY 1

BEGIN DAY 2

143	13:45	23-May	8:45			Quick safety briefing and launch from dock.
143	15:05	23-May	10:05			Approaching the start of line 1704, will slow to 1 knot 1 nm away to deploy gear and begin turn to go online
143	15:05	23-May	10:15			At deployment location
143	15:36	23-May	10:36			Deploying chirp.
143	15:50	23-May	15:50			Gear is deployed and we are transitioning to the start of the line
143	15:54	23-May	10:54	Galv2017_07.001	8	Begin recording line Galv2017_7.001, on the line but about a mile away from the start, 0.7-12 kHz, 20 millisecond. 3.5 knot speed
143	16:08	23-May	11:08	Galv2017_07.001	3169-3488	Possible interesting feature bewteen pins 3169 and 3488 (possible channel), possible height 18-24 m depth, 4.1 knot speed
143	16:39	23-May	11:39	Galv2017_07.001	12985-13548	possible channel ~18-24 m
143	17:43	23-May	0:43	Galv2017_07.001	31438	SW edge of large channel/Valley, Fugawi waypoitn 0001
143	17:47	23-May	12:47	Galv2017_07.001	32947-32986	Depth 23-40m, Start of large valley
143	17:49	23-May	12:49	Galv2017_07.001	33021	Possible beginning of channel, the end did not show
143	18:00	23-May	13:00	Galv2017_07.001	36843	Deeper incison depth west side 24-28m, 22-28m east side
143	18:10	23-May	13:10	Galv2017_07.001	39258-42327	We see a lot of channel action(aka many channels), deepest depth about 25 m
143	18:10	23-May	13:10	Galv2017_07.001	4104	Flattened out at about
143		23-May			40541	Channel at 22-28 m
143	18:19	23-May	13:19	Galv2017_07.001	42208	possible transition from course to fine sediment ~18m
143	18:22	23-May	13:22	Galv2017_07.001	42880	beginning of channel ~25-30 m (shot 3162-3194 in seismic)
143	18:29	23-May	13:29	Galv2017_07.001	45341	End of channel, steep slope to west, shallow slope to east
143	18:31	23-May	13:31	Galv2017_07.001	46348-46491	small deep channel 26-29m
143	18:38	23-May	13:38	Galv2017_07.001	48830	large increase in amplitude of lower reflections, NO display parameters changed; possibly correlated in seismic
143	18:43	23-May	13:43	Galv2017_07.001	49577-49911	possible deep channel-like feature from 21-34m, east flank of Trinity valley
143	18:46	23-May	13:46	Galv2017_07.001	50473	end of strong deep reflections, NO display parameters changed
143	18:48	23-May	13:48	Galv2017_07.001	51224-51518	channel-like feature 18-23m, correlated in seismic
143	18:52	23-May	13:52	Galv2017_07.001	52155-53271	16-25m, channel-like feature, different reflectivity in base of channel; higher reflectivity at depth after end of channel
143	18:59	23-May	13:59	Galv2017_07.001	54770	sudden amplitude decrease; NO display parameter change

143	19:05	23-May	14:05	Galv2017_07.001	56432-56740	feature ~15-17m, possible small, sharp channel?, left side steeper, reflectivity at depth decreases sharply
143	19:17	23-May	14:17	Galv2017_07.001	60230-60462	channel-like feature 9-21 meters -- no edge is visible…
143	19:58	23-May	14:58	Galv2017_07.001	72232	dipping reflector 16-26 meters
143	20:01	23-May	15:01	Galv2017_07.001	73621	layers flatten out, 16-20 meters
143	20:19	23-May	15:19	Galv2017_07.001		end of line Galv2017_07.001, stop recording chirp.
143	20:20	23-May	15:20	Galv2017_08		start of line Galv2017_08, start recording chirp
143	21:30	23-May	16:30	Galv2017_08		stop recording chirp
143	21:43	23-May	16:43			start recoveing chirp
143	21:50	23-May	16:50			finish recovering chirp

Begin Day 3

144	15:20	24-May	10:20			Beginning deployment of CHIRP, 1.5m deeper than yesterday
144	15:23	24-May	10:23			Begin CHIRP deployment (John G. turned on CHIRP via computer, data was good, NOT RECORDING YET)
144	15:31	24-May	10:31			CHIRP Fully Deployed
144	15:34	24-May	10:34	Galv2017_Line09		Begin CHIRP Line; data recording
144	16:04	24-May	11:04	Galv2017_Line09	12145	~1.5 meter offset
144	16:16	24-May	11:16	Galv2017_Line09	15782	depth 15-20 m, beginning of channel?
144	16:17	24-May	11:17	Galv2017_Line09	16045	fault, 30m depth, about 2 m offset
144	16:19	24-May	11:19	Galv2017_Line09	16734	high angle feature around depth of 30 m (change in facies?)
144	16:29	24-May	11:29	Galv2017_Line09		bringing up fish 1m
144	16:32	24-May	11:32	Galv2017_Line09		lowering fish back down 1m
144	16:32	24-May	11:32	Galv2017_Line09	20399	data poor due to bring up/taking down fish
144	16:32	24-May	11:32	Galv2017_Line09	20377	data poor due to bring up/taking down fish
144	16:35	24-May	11:35	Galv2017_Line09	21583	can see margin of channel - dipping reflectors
144	16:39	24-May	11:39	Galv2017_Line09	22303	channel-like feature, depth of 27-35m
144	16:49	24-May	11:49	Galv2017_Line09	25611	dipping beds
144	16:50	24-May	11:50	Galv2017_Line09	25387	accretional surface features
144	16:55	24-May	11:55	Galv2017_Line09	27305	channel-like features around 26m of depth
144	17:26	24-May	12:26	Galv2017_Line09	35900-36560	High energy fulluvial deposit on bottom
144	17:31	24-May	12:31	Galv2017_Line09	38300	possible northeast edge of valley; dropped waypoint 00003
144	17:50	24-May	12:50	Galv2017_Line09	~44500	Chirp has changed lines
144	17:52	24-May	12:52	Galv2017_Line10		New chirp line
144	17:53	24-May	12:53	Galv2017_Line10		Beginning to turn
144	18:25	24-May	13:25	Galv2017_Line10	55775	fault w/ 2m of offset, 24-26m depth
144	18:32	24-May	13:32	Galv2017_Line10	56544	Channel-like feature
144	18:40	24-May	13:40	Galv2017_Line10	59037	End of Galv2017_Line10
144	18:44	24-May	13:44	Galv2017_Line11	60458 (roughly)	Start to record Galv2017_Line11 (more pitch)
144	18:54	24-May	13:54	Galv2017_Line11	63192	Heavy water chop
144	19:07	24-May	14:07	Galv2017_Line11	67211	Ship slowdown, heavy chop
144	19:08	24-May	14:08	Galv2017_Line11	67358	Normal speed
144	19:08	24-May	14:08	Galv2017_Line11	67593	Ship slowdown, small chop
144	19:09	24-May	14:09	Galv2017_Line11	67695	Normal speed
144	????	24-May	#VALUE!	Galv2017_Line11		Generally choppy data through a whole line (Line 11)
144	19:30	24-May	14:30	Galv2017_Line11	73640	Potential NE edge of shallow channel-like feature
144	19:32	24-May	14:32	Galv2017_Line11	74663	Observable stratigraphic patterns
144	19:42	24-May	14:42	Galv2017_Line11	77721	Main NE margin of channel-like (valley) feature
144	20:04	24-May	15:04	Galv2017_Line11	84244	NE margin of youger channel (or valley) feature
144	20:22	24-May	15:22	Galv2017_Line11	88480-89000	Mini-Chixulub impact (buwahahah where is Sir Gulick?) 4 meters deep.. Shocked reflectors in center of crater.
144	20:24	24-May	15:24	Galv2017_Line11	89450- 90065	Mini-Chixulub Jr. 2x
144	20:43	24-May	15:43	Galv2017_Line11	95665	unusual feature - potential sharknado - above seafloor
144	20:52	24-May	15:52	Galv2017_Line11	~98290	Paleovalley shallowing
144	20:53	24-May	15:53	Galv2017_Line11	99095	Paleovalley perceived end
144	21:07	24-May	16:07	Galv2017_Line11	103154	Channel like feature
144	21:14	24-May	16:14	Galv2017_Line11	105221	Channel like feature
144	21:31	24-May	16:31	Galv2017_Line11	110420	End of line 11. Stopping to bring in equipment.

144	21:49	24-May	16:49			Chirp taken out of water.

END DAY 3

Begin Day 4

145	14:20	25-May	9:20			Beginning deployment of CHIRP, 1.5m deeper than yesterday
145		25-May	##########			Begin CHIRP deployment (John G. turned on CHIRP via computer, data was good, NOT RECORDING YET)
145	14:46	25-May	9:46			CHIRP Fully Deployed
145	14:48	25-May	9:48			Stopped recording CHIRP, problem communicating with the bird/fish
145	15:00	25-May	9:54			Restarted CHIRP computer
145	15:01:55	25-May	10:01	Galv2017_Line12		Start recording CHIRP
145	16:26:00	25-May	11:26	Galv2017_Line12	25504	Missing data due to bubbles under fish caused by big rolling of ship
145	16:59	25-May	11:59	Galv2017_Line12	34985	Homogeneously trasparent acoustic facies (whole section except seabottom and top of multiples)
145	17:12	25-May	12:12	Galv2017_Line12	38823	Edge of valley fill-like feature incising homogeneously transparent facies
145	17:29	25-May	12:29	Galv2017_Line12	43851	
145	17:47	25-May	12:47	Galv2017_Line12	49996	Channel-like feature
145	17:55	25-May	12:55	Galv2017_Line12		Beginning Turn going ~5-6 knots
145	17:55	25-May	12:55	Galv2017_Line12	52440	Stopped Recording CHIRP
145	17:56	25-May	12:56	Galv2017_Line13		Began Recording New CHIRP Line; will have bend in data
145	18:15	25-May	13:15	Galv2017_Line13	58511	Facies change; mound like feature
145		25-May	##########	Galv2017_Line13		
145		25-May	##########	Galv2017_Line13		
145	18:21	25-May	13:21	Galv2017_Line13	59943	Deeper incision inside the valley, change in facies
145	18:40	25-May	13:40	Galv2017_Line13		Poor data quality due to severe heave
145	18:45	25-May	13:45	Galv2017_Line13		Lowering fish down 2 m more
145	18:53	25-May	13:53	Galv2017_Line13	69780	Last ping of Galv2017_Line13
145	18:53	25-May	13:53	Galv2017_Line14	69838	First ping of Galv2017_Line14
145	19:01	25-May	14:01	Galv2017_Line14	72076	Stop recording due to poor data quality
145	19:03	25-May	14:03			Restarted CHIRP computer and self system check
145	19:12	25-May	14:12			New heading, CHIRP onboard
145	19:16	25-May	14:16			Testing fish onboard
145	19:19:07	25-May	14:19			Testing CHIRP again onboard
145	19:19:07	25-May	14:19			Fish sidecable connection problem. End of CHIRP survey

END DAY 4