

Log sheet Completed By: <b>Student: D. Ng M. Maraka</b>		Ignore columns that are not applicable to your pro * If preferred, use decimal degrees with two or six decimal )										Example are shown in grey									
Log sheet Completion Date:																					
Line Name	Ref.	Date	Start of line				End of line				Start	Time	End	Time	Time	Time	Time	Time	Time	Time	Comments
			Time (UTC)	Latitude	Longitude	Altitude	Time (UTC)	Latitude	Longitude	Altitude	Time	Time	Time	Time	Time	Time	Time	Time	Time	Time	
			decimal degree	decimal degree	decimal degree	decimal degree	decimal degree	decimal degree	decimal degree	decimal degree	Time	Time	Time	Time	Time	Time	Time	Time	Time	Time	
MS1000-01	1	2000-05-08	11:01	001	10 7106	116	14 7143	2000-05-08	08:00	01	10 7106	116	14 8007	007	na	na	na	na	na	na	Source only this line - Incomplete - 150m spacing
MS1000-01A	2	2000-05-08	12:01	001	00 0000	116	17 1000	2000-05-07	20:00	00	14 4477	116	17 4111	190	na	na	na	na	na	na	Source only this line - Complete - 150m spacing
MS1000-02	3	2000-05-09	07:00	001	10 0000	116	10 0000	2000-05-09	07:00	00	43 4132	116	11 3304	064	na	na	na	na	na	na	Source only this line - Complete - 150m spacing
MS1000-03	4	2000-05-09	07:00	001	43 1000	116	11 3307	2000-05-09	08:00	00	42 1804	116	10 7014	100	na	na	na	na	na	na	Source only this line - Complete - 150m spacing
MS1000-04	5	2000-05-09	07:01	001	12 7100	116	10 1347	2000-05-09	11:00	00	42 7730	116	10 1400	071	na	na	na	na	na	na	Source only this line - Complete - 150m spacing
MS1000-05	6	2000-05-09	21:52	024	17 0037	100	14 4916	2000-05-09	05:00	00	53 0070	119	10 5000	080	na	na	na	na	na	na	Source only this line - Complete - 150m spacing
MS1000-06	7	2000-05-09	06:01	001	03 1000	116	11 1243	2000-05-09	11:00	00	53 2237	119	10 5013	100	na	na	na	na	na	na	Source only this line - Complete - 150m spacing
MS1000-06A	8	2000-05-09	11:00	001	31 0707	116	10 5013	2000-05-09	10:00	00	53 0157	119	17 4112	100	na	na	na	na	na	na	Source only this line - Complete - 150m spacing
MS1000-07	9	2000-05-09	14:00	001	14 0773	116	17 4064	2000-05-09	16:00	00	54 0108	120	10 5010	100	na	na	na	na	na	na	Source only this line - Incomplete - LOST track - 150m spacing
MS1000-07A	10	2000-05-09	17:40	001	16 0710	120	10 5084	2000-05-09	20:00	00	56 1722	120	10 5010	100	na	na	na	na	na	na	Source only this line - Complete - 150m spacing
MS1000-08	11	2000-05-10	06:10	001	42 7100	120	11 7005	2000-05-10	10:00	00	59 0000	121	10 7004	210	na	na	na	na	na	na	Source only this line - Complete - 150m spacing
MS1000-08	12	2000-05-10	12:07	001	10 0000	121	10 0000	2000-05-11	08:00	00	50 0461	122	10 4004	1007	na	na	na	na	na	na	Source only this line - Complete - 150m spacing
MS1000-09	13	2000-05-11	14:00	001	00 0000	122	20 0000	2000-05-11	07:00	00	50 0461	122	14 2000	000	na	na	na	na	na	na	Source only this line - Complete - 150m spacing
MS1000-10	14	2000-05-11	21:00	001	00 0000	122	20 0000	2000-05-12	11:00	00	50 0461	121	14 2000	000	na	na	na	na	na	na	Source only this line - Complete - 150m spacing
MS1000-11	15	2000-05-12	11:00	001	10 0000	121	14 0000	2000-05-13	07:00	00	50 0461	122	14 2000	000	na	na	na	na	na	na	Source only this line - Complete - 150m spacing
MS1000-12	16	2000-05-14	12:00	001	10 0000	122	14 0000	2000-05-14	13:00	00	na	na	na	na	na	na	na	na	na	na	Source & Streamer - No WFS data required - 150m spacing
MS1000-12A	17	2000-05-14	13:00	001	10 0000	122	14 0000	2000-05-14	13:00	00	na	na	na	na	na	na	na	na	na	na	Source & Streamer - Stop at end of Recording - 150m spacing
MS1000-12B	18	2000-05-14	13:44:00	001	00 0000	122	14 0000	2000-05-14	21:00	00	57 4518	121	10 5145	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-13	19	2000-05-15	21:00	001	17 0000	121	14 0000	2000-05-15	08:00	00	50 0461	121	10 7000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-13A	20	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source only - Incomplete - 150m spacing
MS1000-14	21	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source only - Incomplete - 150m spacing
MS1000-14A	22	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-14B	23	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-14C	24	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-14D	25	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-14E	26	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-14F	27	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-14G	28	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-14H	29	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-14I	30	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-14J	31	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-14K	32	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-14L	33	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-14M	34	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-14N	35	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-14O	36	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-14P	37	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-14Q	38	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-14R	39	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-14S	40	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-14T	41	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-14U	42	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-14V	43	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-14W	44	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-14X	45	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-14Y	46	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-14Z	47	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-15	48	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-16	49	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-17	50	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-18	51	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-19	52	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-17	08:00	00	57 4518	121	17 0000	100	na	na	na	na	na	na	Source & Streamer - Complete - 150m spacing
MS1000-20	53	2000-05-17	00:00:00	001	00 0000	121	17 0000	2000-05-1													

calc offsets

Streamer offsets

<b>nrp - cng</b>	<b>nrp - cos</b>	<b>cos - cng</b>	<b>nrp - cmp</b>
285.0m	145.7m	139.3m	215.35m

<b>nrp - cng</b>	<b>nrp - cos</b>	<b>cos - cng</b>	<b>nrp - cmp</b>
372.7m	193.7m	179.0m	283.20m

vessel speed - record time - shotpoint interval

rec length sec	reset time sec	#shotpoints / hour	sp interval(m)	sog kts
15	1.2	222.2222222	50	6.00
10	1.2	321.4285714	37.5	6.51
60	0	60	125	4.05
60	0	60	125	4.05
60	0	60	150	4.86

<b>nrp - cng</b>	<b>nrp - cos</b>	<b>cos - cng</b>	<b>nrp - cmp</b>
235.0m	95.7m	139.3m	165.35m

<u>speed</u>	<u>distance</u>	<u>time hr.hr</u>	<u>mins</u>
4.8	47800	5.38	322.62419