

SCN Configuration Revision History

File Name	rev. #	date	comment with numerical changes listed:
MGL0804_2D_8K	1	20-Feb-08	Create SCN file
MGL0804_2D_8K	2	20-Feb-08	Building SCN
MGL0804_2D_8K	3	21-Feb-08	Change Magnetic Declination to -1.35°
MGL0804_2D_8K	4	24-Feb-08	Change Streamer offset from -110m to -230m
MGL0804_2D_8K	5	24-Feb-08	Move S1C28 to tail section
MGL0804_2D_8K	6	24-Feb-08	Move S1C2 thru S1C27 back one section each
MGL0804_2D_8K	7	3-Mar-08	Change G1 offset from 95m to 85m, G1 Towpoint on Vessel was (x= -4.2m) is now (x= 0.0m) Change gun string's 1 & 4 offsets from (+12m & -12m) to (+8m & -8m) Knockout RGPS Node Knockout Acoustics Node Knockout Streamer 1 Node
MGL0804A_2D_8K	8	4-Mar-08	Change G1 offset from 85m to 87.5m, Change S1 offset from 230m to 235m, Change G1R1 offsets from x = 0 y = 0 z = 0 to: x = 4.87m y = 10.46m z = 14.5m Change V1G1 offsets from x = 5.50m y = 11.30m z = 16.90m to: x = 4.87m y = 10.46m z = 14.5m Change file name to: MGL0804A_2D_8K
MGL0804A_2D_8K	9	6-Mar-08	Relocate "Knocked out" solutions into spectra except for V1G3

CLIENT: National Science Foundation SURVEY: 2D Costa Rica / Nicaragua JOB # : 122

Need brief description in paragraph form of Job Description, Duties, Equipment used, Problems foundn and Recommendations for improvement

Data acquired with 8100m streamer & OBS									
Line name	Sequence	FSP	LSP	sp-spacing	spectra G1 offset	actual G1 offset	spectra S1 offset	actual S1 offset	Comment
Hess_1	1	991	1601	150m	130m	135m	217m	215m	994 first recorded sp
1E_1	2	2001	2293	150m	130m	135m	217m	215m	
1E_2	3	3051	3872	150m	95m	85m	230m	235m	
Tansit_1	4	4043	4391	150m	95m	85m	230m	235m	
Limon_1	5	5107	6157	150m	95m	85m	230m	235m	
Limon_2	6	7001	10261	50m	95m	85m	230m	235m	
Paris_1	7	11165	11668	50m	95m	85m	230m	235m	
Paris_2	8	12185	12847	50m	95m	85m	230m	235m	
Paris_3	9	13151	13788	50m	95m	85m	230m	235m	
Paris_4	10	14101	14717	50m	95m	85m	230m	235m	
1E_MCS	11	15121	16630	50m	95m	85m	230m	235m	lgsp
1E_Para	12	17701	17529	50m	95m	85m	230m	235m	
1E_MCS2	13	19401	21207	50m	95m	85m	230m	235m	
OBS	2				95m	85m	230m	235m	No sequence 1 - shooting in turn on time with 20 second shot points interval
HG1	14	22140	22425	50m	95m	85m	230m	235m	
OBS	3				95m	85m	230m	235m	shooting in turn on time with 20 second shot point interval
HG2	15	23062	23801	50m	95m	85m	230m	235m	
HG3	16	24081	25348	50m	95m	85m	230m	235m	
OBS	4				95m	85m	230m	235m	shooting in turn on time with 20 second shot point interval
HG4	17	27157	28863	50m	95m	85m	230m	235m	
HG5	18	29066	31052	50m	95m	85m	230m	235m	
OBS	5				95m	85m	230m	235m	shooting in turn on time with 20 second shot point interval
HG6	19	33109	34365	25m	95m	85m	230m	235m	
OBS	6				95m	85m	230m	235m	shooting in turn on time with 20 second shot point interval
HG7	20	36070	36923	50m	95m	85m	230m	235m	
OBS	7				95m	85m	230m	235m	shooting in turn on time with 20 second shot point interval
HG8	21	38342	39565	50m	95m	85m	230m	235m	
OBS	8				95m	85m	230m	235m	shooting in turn on time with 20 second shot points interval
HG9	22	41120	41566	50m	95m	85m	230m	235m	
OBS	9				95m	85m	230m	235m	shooting in turn on time with 20 second shot point interval
HG10	23	44145	48333	25m	95m	85m	230m	235m	
OBS	10				95m	85m	230m	235m	shooting in turn on time with 20 second shot point interval
HG11	24	50095	50370	50m	95m	85m	230m	235m	LGSP at MMO request guns disabled

CLIENT: National Science Foundation SURVEY: 2D Costa Rica / Nicaragua JOB # : 122

Data acquired with OBS only!!

Line name	Sequence	FSP	LSP	sp-spacing	spectra G1 offset	actual G1 offset	comment
HessOBS	25	51001	51511	150m	87.5m	87.5m	OBS only
OBS	11				87.5m	87.5m	shooting in turn on time with 20 second shot point interval - stop d/t compressor problems
OBS	12				87.5m	87.5m	shooting in turn - whale gun - on time with 420 second shot point interval - working on compressors
OBS	13				87.5m	87.5m	shooting - ramping up guns in preparation for NiCr - 30 second time cycle
NiCr	26	54405	56996	50m	87.5m	87.5m	End of Costa Rica / Nicaragua east coast survey

NAVIGATION LINE LOG

DATE: 05-Mar-2008

JULIAN DAY: 65



CLIENT: National Science Foundation

SURVEY: 2D Costa Rica / Nicaragua

JOB #: 122

DC SOL : na	LINE NAME : OBS	DEPTH SOL: 22m	NAVIGATION SYSTEM USED : C-Nav - Primary
DC EOL : na	SEQUENCE : 11	DEPTH EOL: na	NAVIGATION SYSTEM USED : Pos M V
SMG SOL: 4.6kts	LINE BRG : line change	<u>WEATHER</u> 16kts nw	NAVIGATION SYSTEM USED : SeaPath - not working
SMG EOL: 4.3kts		WIND SOL : 10kts e	Gravity meter: none
FEATHER SOL : na		WIND EOL :	Magnetonmeter: Geometrics
FEATHER EOL : na		SEAS SOL : 1	MAG DEC USED : -1.35 deg
MAX FEATHER : na		SEAS EOL : 1	

NAVIGATORS : 00:00 - 12:00 => Mike Martello
 12:00 - 24:00 => Matt Orme

SP	TIME	EVENTS	COMMENTS																	
52001	08:44	Start of line change	recording obs data only	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4">VESSEL POSITION</th> </tr> <tr> <th>SP</th> <th>Latitude (N)</th> <th colspan="2">Longitude (W)</th> </tr> </thead> <tbody> <tr> <td>52001</td> <td>12° 17' 03.546"</td> <td colspan="2">83° 20' 44.072"</td> </tr> <tr> <td>52145</td> <td>12° 17' 25.083"</td> <td colspan="2">83° 18' 27.125"</td> </tr> </tbody> </table>	VESSEL POSITION				SP	Latitude (N)	Longitude (W)		52001	12° 17' 03.546"	83° 20' 44.072"		52145	12° 17' 25.083"	83° 18' 27.125"	
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SP	Latitude (N)	Longitude (W)																		
52001	12° 17' 03.546"	83° 20' 44.072"																		
52145	12° 17' 25.083"	83° 18' 27.125"																		
52145	09:32	EOL	Compressor problems																	
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<div style="border: 2px solid black; padding: 5px; display: inline-block; font-weight: bold; font-size: 1.2em;">Str. @ 6 m</div>																				
General remarks:			No streamer - only OBS	LMN- Langseth.LMN SCN MGL0804A.2D.8K ver.8 Shot point 20 seconds on time																
Posnet remarks:			Posnet - not available	Line Status: line change																

NAVIGATION LINE LOG

DATE: 05-Mar-2008

JULIAN DAY: 65



CLIENT: National Science Foundation

SURVEY: 2D Costa Rica / Nicaragua

JOB #: 122

DC SOL : na	LINE NAME : OBS	DEPTH SOL: na	NAVIGATION SYSTEM USED : C-Nav - Primary
DC EOL : na	SEQUENCE : 12	DEPTH EOL: na	NAVIGATION SYSTEM USED : Pos M V
SMG SOL: 4.6kts	LINE BRG : line change	WEATHER	NAVIGATION SYSTEM USED : SeaPath - not working
SMG EOL: 4.7kts		WIND SOL : 16kts nw	Gravity meter: none
FEATHER SOL : na		WIND EOL : 17kts nw	Magnetonmeter: Geometrics
FEATHER EOL : na		SEAS SOL : 1	MAG DEC USED : -1.35 deg
MAX FEATHER : na		SEAS EOL : 1-2m	

NAVIGATORS : 00:00 - 12:00 => Mike Martello
 12:00 - 24:00 => Matt Orme

SP	TIME	EVENTS	COMMENTS																	
53001	09:39	Start of line	only have whale gun in water firing - work on compressor	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4">VESSEL POSITION</th> </tr> <tr> <th>SP</th> <th>Latitude (N)</th> <th colspan="2">Longitude (W)</th> </tr> </thead> <tbody> <tr> <td>FGSP 53001</td> <td>12° 16' 58.896"</td> <td colspan="2">83° 18' 04.843"</td> </tr> <tr> <td>LGSP 53053</td> <td>11° 53' 16.678"</td> <td colspan="2">83° 20' 08.147"</td> </tr> </tbody> </table>	VESSEL POSITION				SP	Latitude (N)	Longitude (W)		FGSP 53001	12° 16' 58.896"	83° 18' 04.843"		LGSP 53053	11° 53' 16.678"	83° 20' 08.147"	
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FGSP 53001	12° 16' 58.896"	83° 18' 04.843"																		
LGSP 53053	11° 53' 16.678"	83° 20' 08.147"																		
53053	15:43	stop to change time of interval	will ramp up on next sequence 13																	
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General remarks:			No streamer - only OBS	LMN- Langseth.LMN SCN MGL0804A.2D.8K ver.8 Shot point spacing this line 420 seconds																
Posnet remarks:			Posnet - not available	Line Status: line change																

NAVIGATION LINE LOG

DATE: 05-Mar-2008

JULIAN DAY: 65



CLIENT: National Science Foundation

SURVEY: 2D Costa Rica / Nicaragua

JOB #: 122

DC SOL : na	LINE NAME : OBS	DEPTH SOL : na	NAVIGATION SYSTEM USED : C-Nav - Primary
DC EOL : na	SEQUENCE : 13	DEPTH EOL : na	NAVIGATION SYSTEM USED : Pos M V
SMG SOL : 4.7kts	LINE BRG : line change	<u>WEATHER</u>	NAVIGATION SYSTEM USED : SeaPath - not working
SMG EOL :		WIND SOL : 16kts nw	Gravity meter: none
FEATHER SOL : na		WIND EOL : 4kts se	Magnetonmeter: Geometrics
FEATHER EOL : na		SEAS SOL : 1	MAG DEC USED : -1.35 deg
MAX FEATHER : na		SEAS EOL : 1	

NAVIGATORS : 00:00 - 12:00 => Mike Martello
 12:00 - 24:00 => Matt Orme

SP	TIME	EVENTS	COMMENTS																	
53001	15:50	start ramp up of guns	Ramping up to full volume - shot number was not changed	<table style="width: 100%; border: none;"> <tr> <th colspan="4" style="text-align: center;">VESSEL POSITION</th> </tr> <tr> <th style="width: 15%;">SP</th> <th style="width: 15%;">Latitude (N)</th> <th colspan="2" style="width: 70%;">Longitude (W)</th> </tr> <tr> <td>FGSP 53001</td> <td>11° 52' 54.980"</td> <td colspan="2">83° 20' 29.429"</td> </tr> <tr> <td>LGSP 53263</td> <td>11° 48' 15.691"</td> <td colspan="2">83° 23' 09.269"</td> </tr> </table>	VESSEL POSITION				SP	Latitude (N)	Longitude (W)		FGSP 53001	11° 52' 54.980"	83° 20' 29.429"		LGSP 53263	11° 48' 15.691"	83° 23' 09.269"	
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FGSP 53001	11° 52' 54.980"	83° 20' 29.429"																		
LGSP 53263	11° 48' 15.691"	83° 23' 09.269"																		
53203	17:32	Mammal sighting	Drop down to 1 gun																	
53263	18:01	EOL																		
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General remarks:			No streamer - only OBS	LMN- Langseth.LMN SCN MGL0804A.2D.8K ver.8 Shot point spacing this line 30 seconds																
Posnet remarks:			Posnet - not available	Line Status: line change																

NAVIGATION LINE LOG

DATE: 04-Mar-2008

JULIAN DAY: 64



CLIENT: National Science Foundation

SURVEY: 2D Costa Rica / Nicaragua

JOB #: 122

DC SOL : 106m
 DC EOL : 51.5m
 SMG SOL: 4.94
 SMG EOL: 4.70
 FEATHER SOL : na
 FEATHER EOL : na
 MAX FEATHER : na

LINE NAME : HessOBS
SEQUENCE : 25
LINE BRG : 318.6°

DEPTH SOL: 1475m
 DEPTH EOL: 21m
WEATHER
 WIND SOL : 5kts
 WIND EOL : 11kts
 SEAS SOL : 1
 SEAS EOL : 1

NAVIGATION SYSTEM USED : C-Nav - Primary
 NAVIGATION SYSTEM USED : Pos M V
 NAVIGATION SYSTEM USED : SeaPath - not working
 Gravity meter: none
 Magnetonmeter: Geometrics
MAG DEC USED : -1.35 deg

NAVIGATORS : 00:00 - 12:00 => Mike Martello
 12:00 - 24:00 => Matt Orme

SP	TIME	EVENTS	COMMENTS													
51001	00:02	FSP	Guns only for OBS. Logging status, on approach, P1, P2 not logging. Anthony confirmed that headers are being logged. QCLN Node is logging.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: center;">VESSEL POSITION</th> </tr> <tr> <th style="width: 10%;">SP</th> <th style="width: 20%;">Latitude (N)</th> <th style="width: 20%;">Longitude (W)</th> </tr> </thead> <tbody> <tr> <td>51001</td> <td>11° 45' 57.408"</td> <td>82° 52' 49.533"</td> </tr> <tr> <td>51511</td> <td>12° 16' 59.263"</td> <td>83° 20' 41.989"</td> </tr> </tbody> </table>	VESSEL POSITION			SP	Latitude (N)	Longitude (W)	51001	11° 45' 57.408"	82° 52' 49.533"	51511	12° 16' 59.263"	83° 20' 41.989"
VESSEL POSITION																
SP	Latitude (N)	Longitude (W)														
51001	11° 45' 57.408"	82° 52' 49.533"														
51511	12° 16' 59.263"	83° 20' 41.989"														
51041	00:41	Spectra logging P1/P2 files	Approach length set to 50 shots.													
51511	08:42	EOL	Data Logging note to record 10 shots before actual start. Stop d/t shallow water - have guns and PAM in water													
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HessOBS.0.p190		HessOBS.0.p294														
General remarks:		No streamer - only OBS		LMN- Langseth.LMN												
Posnet remarks:		Posnet - not available		SCN MGL0804A.2D.8K ver.8												
				Shot point spacing this line 150 meters												
				Line Status: Complete												

NAVIGATION LINE LOG

DATE: 05-Mar-2008

JULIAN DAY: 65



CLIENT: National Science Foundation

SURVEY: 2D Costa Rica / Nicaragua

JOB #: 122

DC SOL : -2.0
 DC EOL : -229.5m
 SMG SOL: 4.61
 SMG EOL: 4.57kts
 FEATHER SOL : na
 FEATHER EOL : na
 MAX FEATHER : na

LINE NAME : NiCr
SEQUENCE : 26
LINE BRG : 30.5°

DEPTH SOL: 44
 DEPTH EOL: 48m
WEATHER
 WIND SOL : 10.7
 WIND EOL : 12kts ene
 SEAS SOL : 1
 SEAS EOL : 1

NAVIGATION SYSTEM USED : C-Nav - Primary
 NAVIGATION SYSTEM USED : Pos M V
 NAVIGATION SYSTEM USED : SeaPath - not working
 Gravity meter: none
 Magnetometer: Geometrics
MAG DEC USED : -1.35 deg

NAVIGATORS : 00:00 - 12:00 => Mike Martello
 12:00 - 24:00 => Matt Orme

SP	TIME	EVENTS	COMMENTS																	
54405	18:12	SOL	4 guns on, ramp up for whales, guns only	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4">VESSEL POSITION</th> </tr> <tr> <th></th> <th>SP</th> <th>Latitude (N)</th> <th>Longitude (W)</th> </tr> </thead> <tbody> <tr> <td>FGSP</td> <td>54405</td> <td>11° 49' 02.746"</td> <td>82° 22' 40.915"</td> </tr> <tr> <td>LGSP</td> <td>56996</td> <td>12° 49' 38.114"</td> <td>82° 46' 29.662"</td> </tr> </tbody> </table>	VESSEL POSITION					SP	Latitude (N)	Longitude (W)	FGSP	54405	11° 49' 02.746"	82° 22' 40.915"	LGSP	56996	12° 49' 38.114"	82° 46' 29.662"
VESSEL POSITION																				
	SP	Latitude (N)	Longitude (W)																	
FGSP	54405	11° 49' 02.746"	82° 22' 40.915"																	
LGSP	56996	12° 49' 38.114"	82° 46' 29.662"																	
54469	18:35		All guns online																	
56996	8:58	End of line	Start recovery of OBS end of Costa Rica East																	
				<p>NAVIGATION OFFSET APPLIED</p> <p>Ves - G1 87.5m</p>																
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General remarks:		No streamer - only OBS		LMN- Langseth.LMN SCN MGL0804A.2D.8K ver.8 Shot point spacing this line 50 meters Line Status:																
Posnet remarks:		Posnet - not available																		