





[illegible]

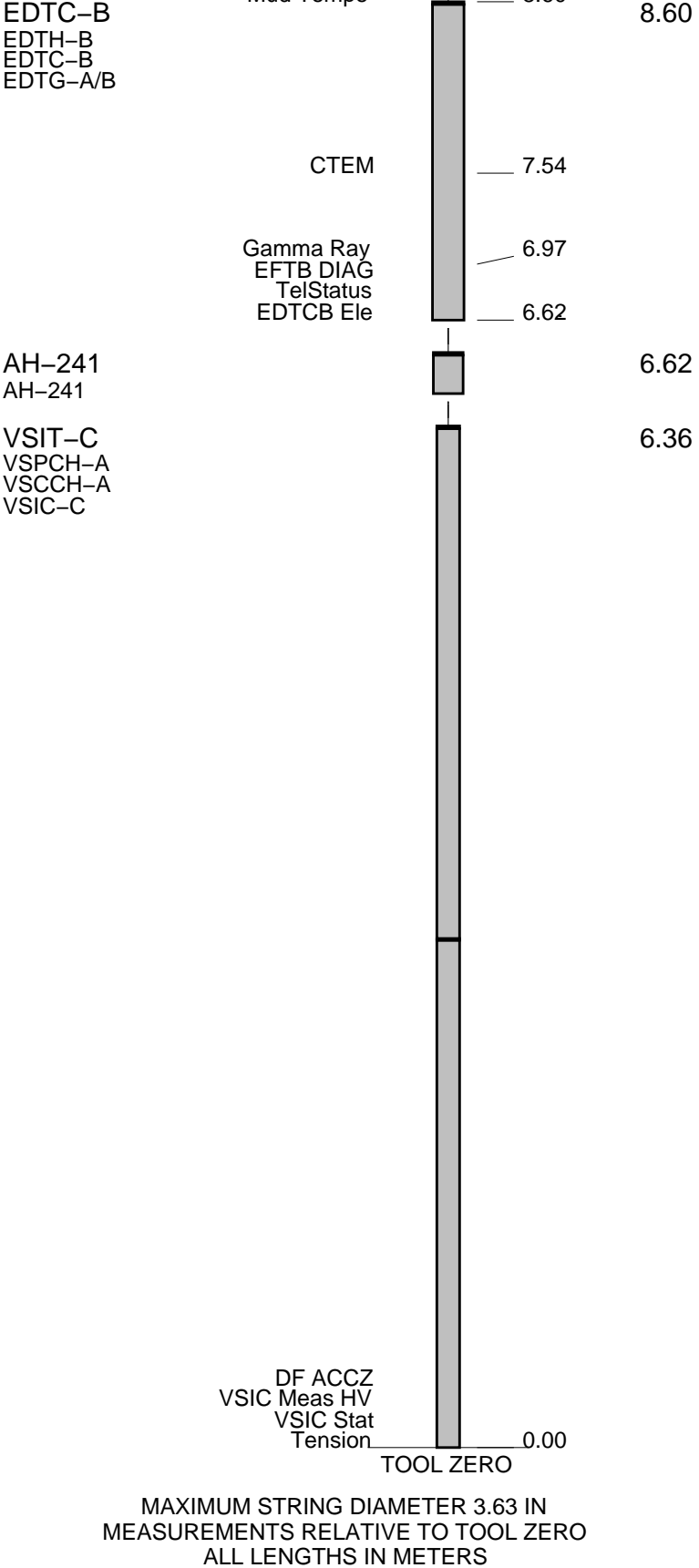
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OTHER SERVICES1 OS1: HRLT/HLDS/HNGS/APS OS2: DSI OS3: FMS OS4: OS5:			OTHER SERVICES2 OS1: OS2: OS3: OS4: OS5:		
REMARKS: RUN NUMBER 1			REMARKS: RUN NUMBER 2		
Hole GC-09A Hole C was drilled with a 9 7/8" RCB bit to TDD of 1440 mbrf.			(870m)		
Hole depth referenced from drill floor for seismic VSP survey.					
VSI could not reach TD. Bottom shot is deepest depth reached for VSI.					
VSI geometry with surface sensors and guns shown in report.					
SRD=mean sea level for seismic reference depth					
VSI run as single shuttle tool with EDTC for gamma ray.					
See log parameters for labeling parameters.					
All logs recorded via wireline thru 5.5" drillpipe and RCB coring BHA.					
consisting of a bit release sub, Kinley sub, drill collars. The rotary coring					
bit was released on bottom prior to logging.					
Shot levels affecting by anchoring. Soft formation and washouts					
effect ability to anchor on borehole wall.					
The main Tcombo uplog is the primary wireline log that the VSI correlated to.					
RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION: 19C0-187			PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

## EQUIPMENT DESCRIPTION

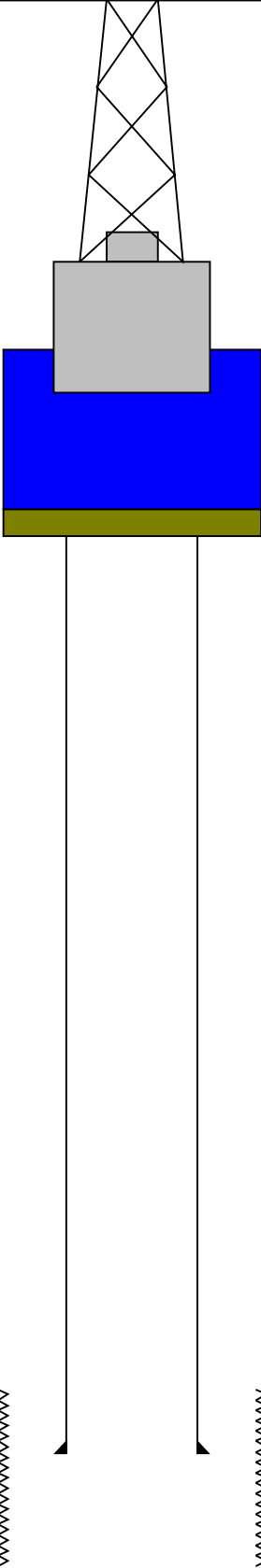
EQUIPMENT DESCRIPTION		RUN 1	RUN 2
SURFACE EQUIPMENT			
SIMU-WSAM WITM (EDTS)-A			
DOWNHOLE EQUIPMENT			
LEH-QT LEH-QT		9.49	
MDSB_EDTC Mud Tempe		8.60	



Production String	(in)	(M)	Well Schematic	(M)	(in)	Casing String
	OD	ID		MD	OD	ID

Kelly Bushing Elevation  
Derrick Floor Elevation  
  
Mean Sea Level

-570  
-570  
  
-559



4.1

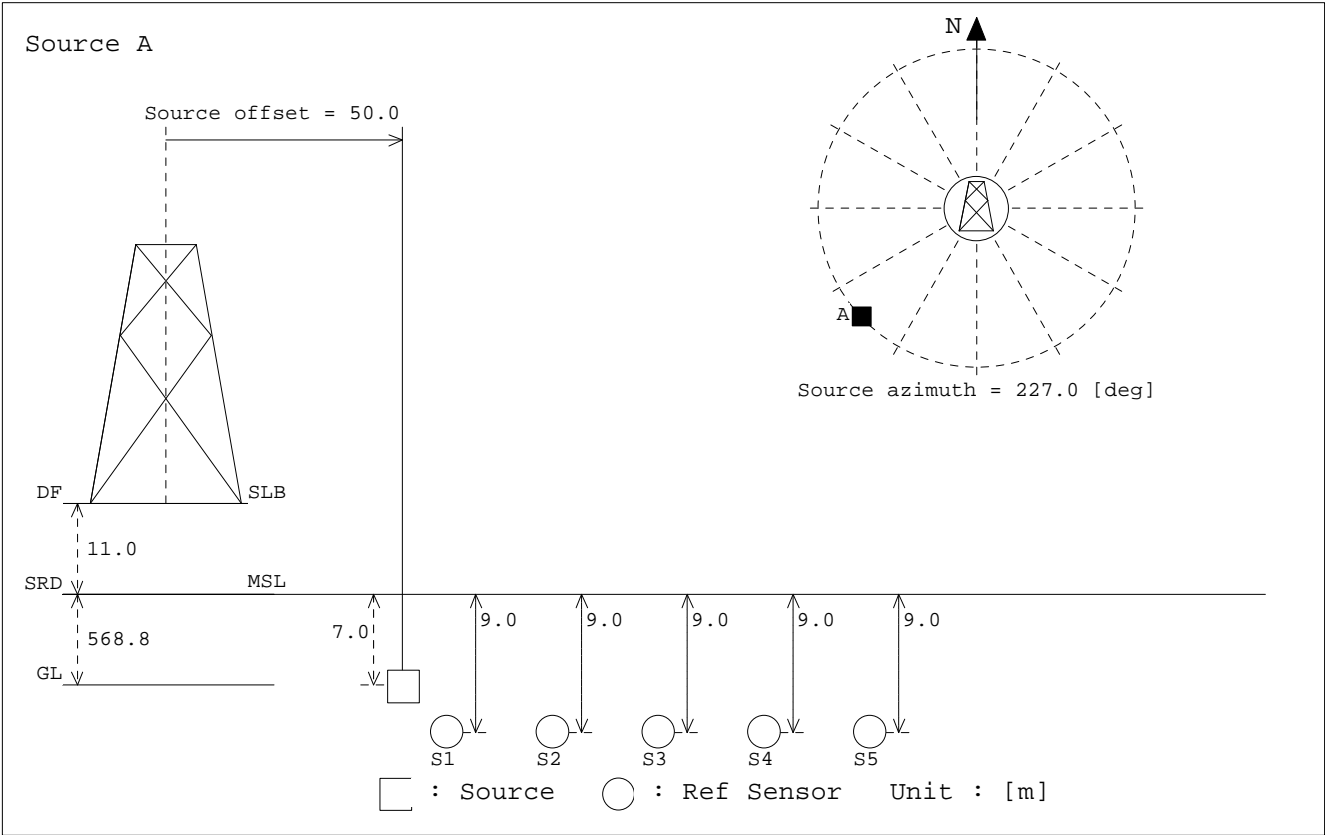
0  
104  
  
650

3.80  
9.875

Sea Floor  
Open Hole  
  
Total Depth



Geometry Sketch (1/1)



## Stack Summary Listing - Source:A (1/1)

Stack number	Well depth [m]	TVD from [m]	TT [ms]	TT(TVD Corrected) [ms]	TWT(TVD Corrected) [ms]	Interval Velocity [m/s]	Average Velocity [m/s]	RMS Velocity [m/s]
8	704.0	693.0	448.8	453.6	907.2	1885.0	1527.7	1527.7
7	728.0	717.0	461.5	466.4	932.7	789.0	1537.4	1538.5
5	768.8	757.8	513.2	518.0	1036.1	-2566.1	1462.8	1480.9
2	815.0	804.0	495.0	500.0	1000.1	497.0	1608.0	1426.5
1	825.1	814.1	515.2	520.2	1040.4		1564.8	1401.9

## Job Summary Listing (1/2)

Well depth [m]	Time	Shot Type	Shot#	Stack#	Source	Remarks
825.1	12:13:32	SHOT	1	1	A	good
825.1	12:15:32	SHOT	2	1	A	good
825.1	12:16:08	SHOT	3	1	A	good
825.1	12:16:40	SHOT	4	1	A	good
825.1	12:17:12	SHOT	5	1	A	good
815.0	12:22:45	SHOT	6	2	A	bad
815.0	12:23:13	SHOT	7	2	A	bad
815.0	12:23:37	SHOT	8	2	A	bad
815.0	12:24:17	SHOT	9	2	A	ok
815.0	12:25:16	SHOT	10	2	A	bad
815.0	12:25:34	SHOT	11	2	A	ok
815.0	12:25:56	SHOT	12	2	A	ok but need to move time pick later not currently in stack
815.0	12:29:02	SHOT	13	2	A	ok
778.0	12:41:12	SHOT	14	4	A	bad
778.0	12:41:40	SHOT	15	4	A	bad
778.0	12:41:59	SHOT	16	4	A	bad
778.0	12:42:17	SHOT	17	4	A	bad
768.8	12:51:23	SHOT	18	5	A	bad
768.8	12:51:42	SHOT	19	5	A	ok
768.8	12:52:11	SHOT	20	5	A	might be ok
768.8	12:52:56	SHOT	21	5	A	bad
768.8	12:53:29	SHOT	22	5	A	good
768.8	12:54:03	SHOT	23	5	A	good
768.8	12:54:44	SHOT	24	5	A	bad
753.0	13:02:34	SHOT	25	6	A	bad
753.0	13:03:06	SHOT	26	6	A	bad
753.0	13:03:25	SHOT	27	6	A	might be ok
753.0	13:04:20	SHOT	28	6	A	bad
753.0	13:05:06	SHOT	29	6	A	bad
753.0	13:05:47	SHOT	30	6	A	not too bad
753.0	13:06:45	SHOT	31	6	A	bad
728.0	13:15:09	SHAK	32			shaker ba
728.0	13:15:32	SHOT	33	7	A	ok
728.0	13:15:57	SHOT	34	7	A	ok
728.0	13:16:23	SHOT	35	7	A	ok
728.0	13:16:44	SHOT	36	7	A	bad
728.0	13:17:08	SHOT	37	7	A	ok
728.0	13:17:42	SHOT	38	7	A	bad
704.0	13:25:36	SHOT	39	8	A	ok
704.0	13:25:55	SHOT	40	8	A	ok
704.0	13:26:14	SHOT	41	8	A	ok
704.0	13:26:38	SHOT	42	8	A	ok
704.0	13:26:59	SHOT	43	8	A	bad
704.0	13:27:43	SHOT	44	8	A	good
44.4	08:01:52	ENLO	45			
44.4	08:02:15	ENHI	46			
44.4	08:02:24	ETHD	47			
44.4	08:02:38	DRNG	48			
44.4	08:02:53	GA02	49			

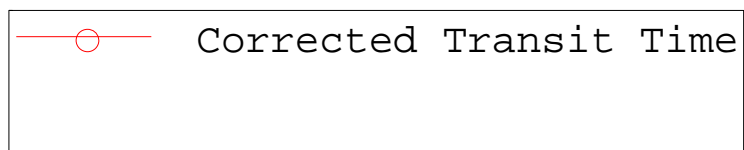
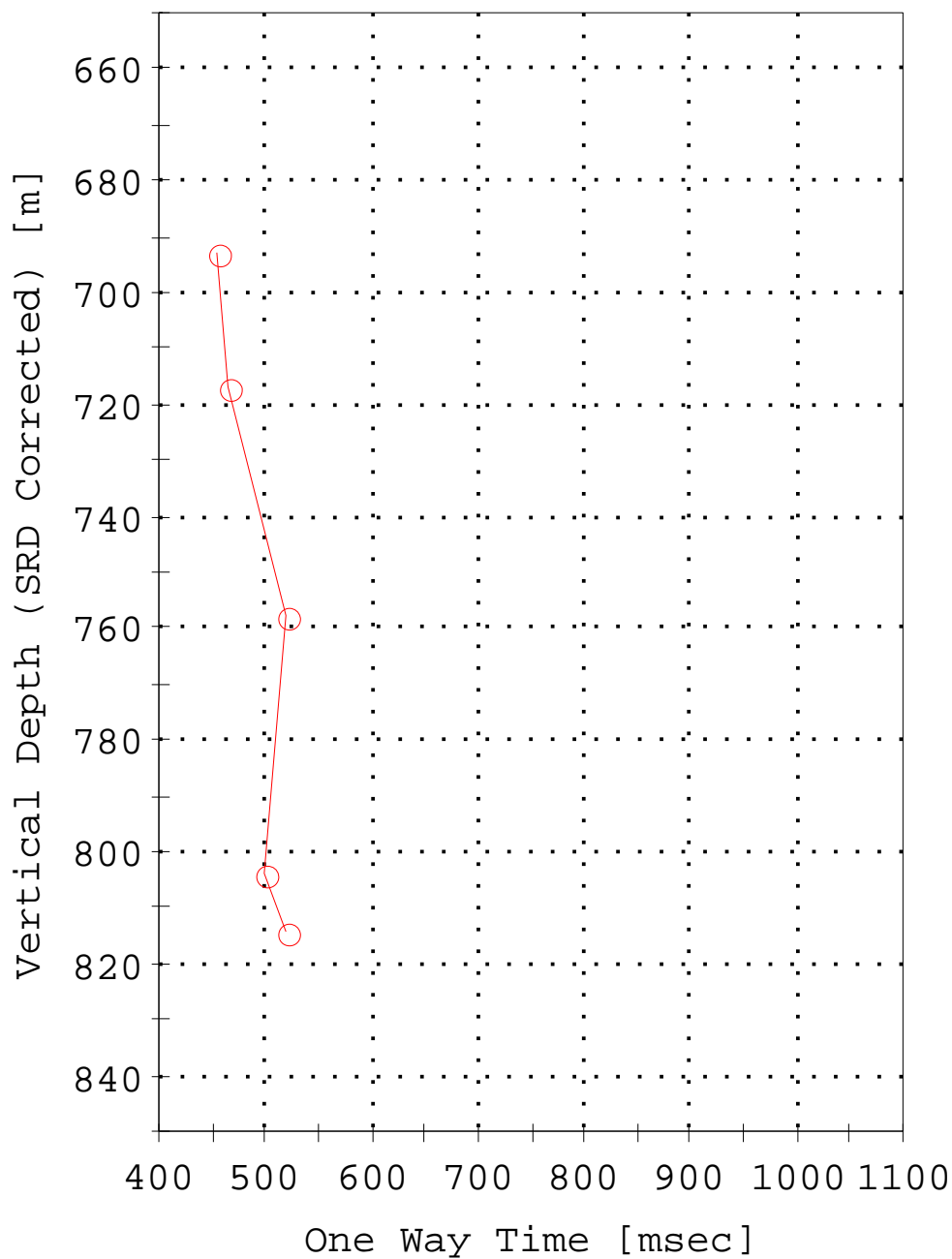


## Job Summary Listing (2/2)

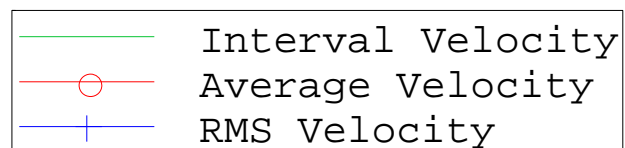
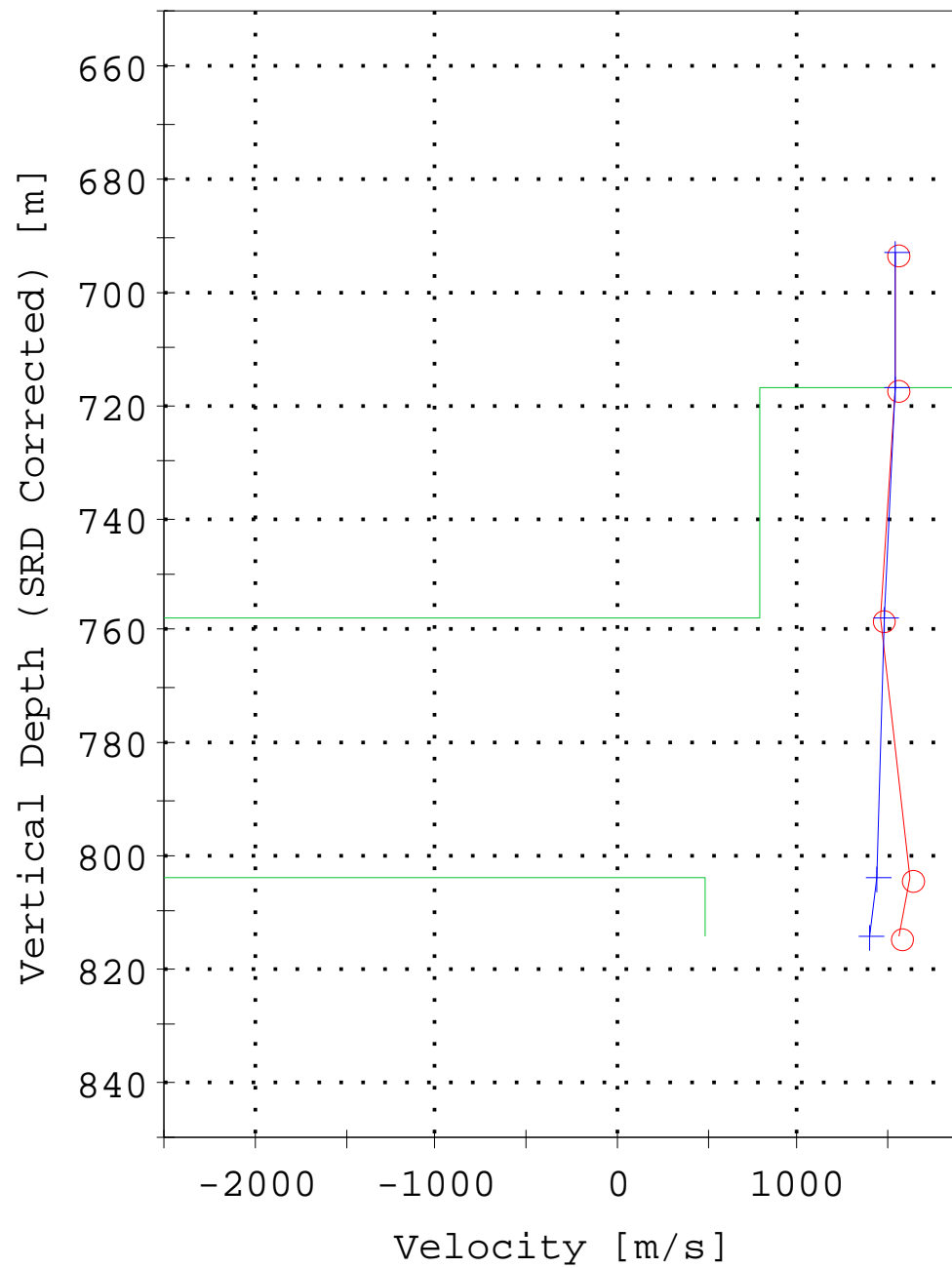
Well depth [m]	Time	Shot Type	Shot#	Stack#	Source	Remarks
44.4	08:03:03	GA04	50			
44.4	08:03:12	GA08	51			
44.4	08:03:22	GA16	52			
44.4	08:03:32	GA32	53			
44.4	08:03:47	XTLK	54			
44.4	08:04:05	XTLK	55			
44.4	08:04:24	XTLK	56			
44.4	08:04:42	EIMP	57			
44.4	08:05:51	LLCD	58			

# Time-Depth Plot

Source Offset = 50.00 m  
Source Azimuth = 227.00 degree  
Source Depth (from SRD) = 7.00 m

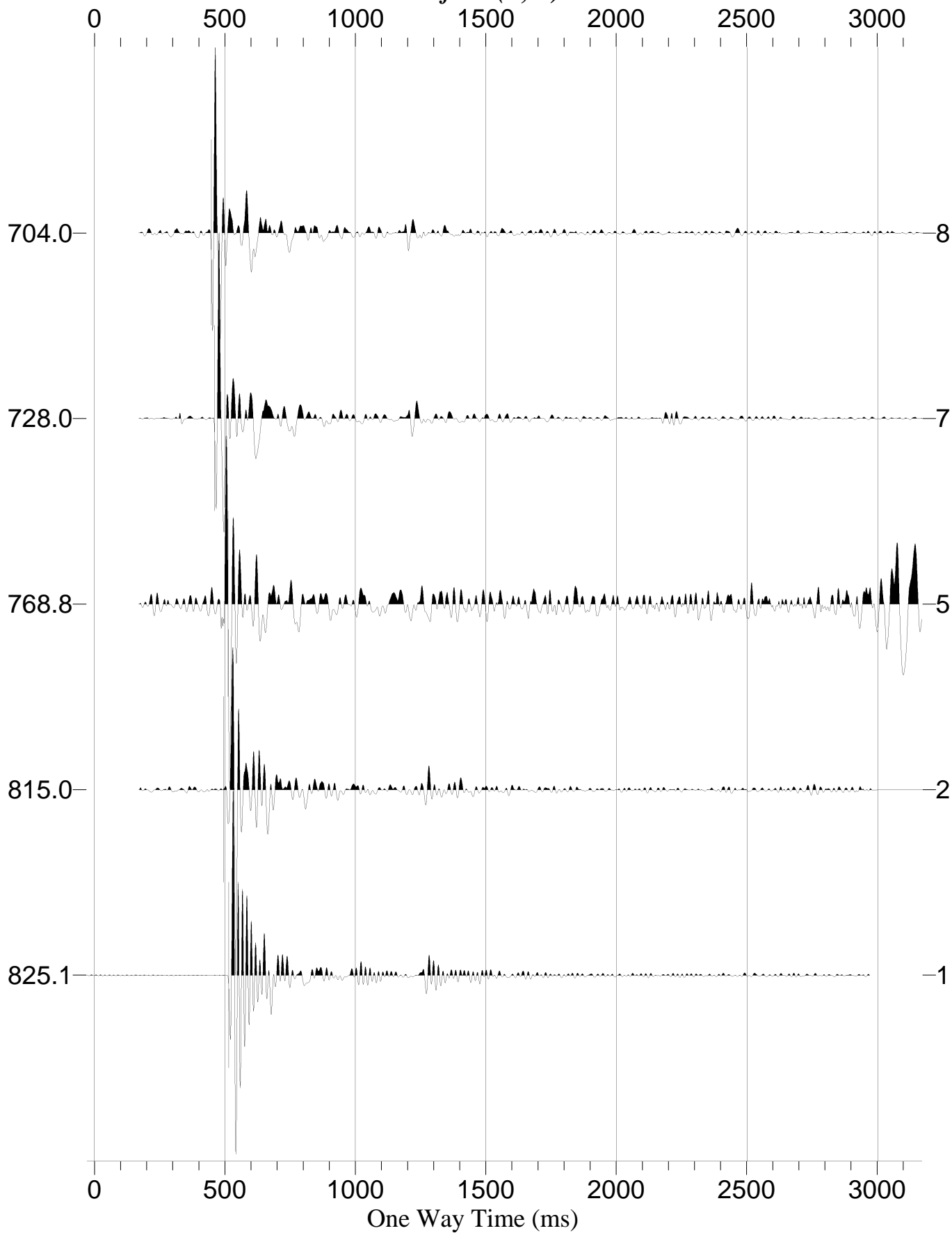


SRD below Measured Depth Zero = 11.00 m



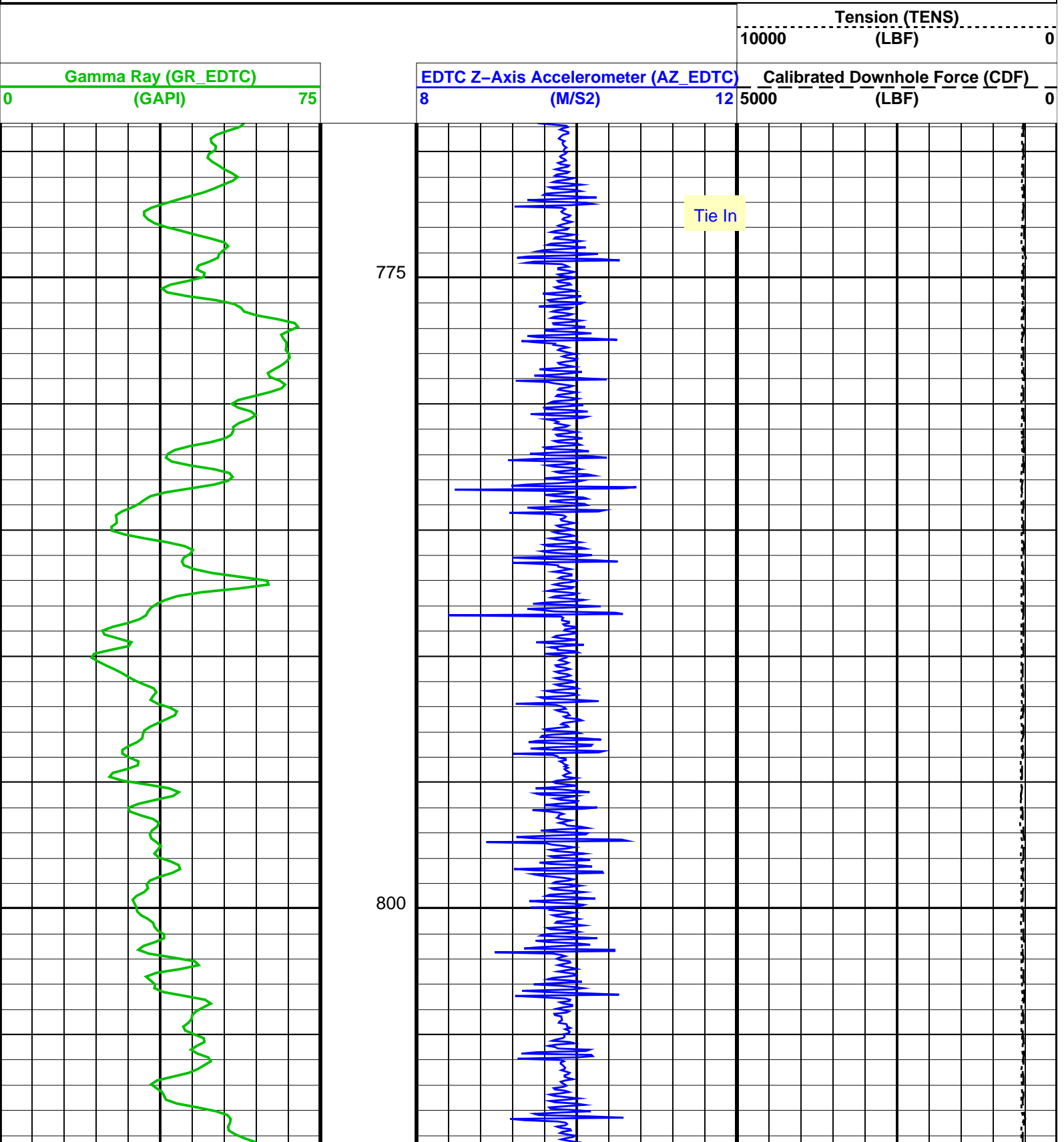
*Wavefield (A, Z)*

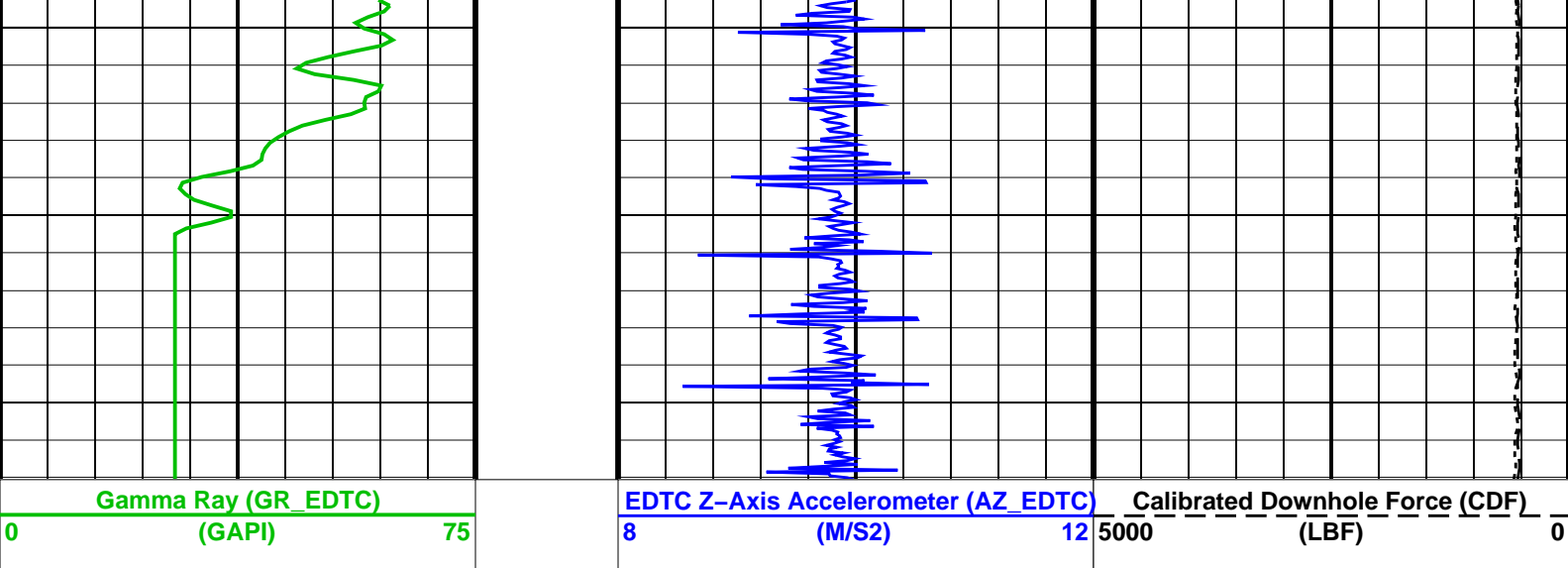
cable depth



DEFAULT	VSIT_034LUP	FN:44	PRODUCER	17-Dec-2011 12:01
BACKUPDLIS	VSIT_034LUP	FN:45	PRODUCER	17-Dec-2011 12:01

<b>VSIT-C</b>	<b>19C0-187</b>	<b>EDTC-B</b>	<b>19C0-187</b>
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Format: CORRELATION_EDTCB		Vertical Scale: 1:200		Graphics File Created: 17-Dec-2011 12:01	
OP System Version: 19C0-187					
VSIT-C	19C0-187		EDTC-B	19C0-187	
Output DLIS Files					
DEFAULT	VSIT_034LUP	FN:44	PRODUCER	17-Dec-2011 12:01	
BACKUPDLIS	VSIT_034LUP	FN:45	PRODUCER	17-Dec-2011 12:01	



Company: **Lamont Doherty**

Schlumberger

Well: **Expedition 339, Site U1387 GC-09A**

Field: **Mediterranean Outflow (Portugal)**

Rig: **JOIDES Resolution**

Ocean: **Atlantic**

Versatile Seismic Imager

Gamma Ray

Vertical Seismic Profile