

COMPANY: Lamont Doherty

WELL: ODP Leg 194, Site 1196A

FIELD: Marion Plateau

Country: Australia Ocean: Pacific Ocean



WELL SEISMIC TOOL

Country: Australia
Field: Marion Plateau
Location: Rig- Joides Resolution
Well: ODP Leg 194, Site 1196A
Company: Lamont Doherty

LOCATION		GROUND LEVEL		Elev.:	
Rig- Joides Resolution		K.B.	11.3 m	G.L.	-315.2 m
Permanent Datum:	DES	above Perm. Datum			
Log Measured From:	DES				
Drilling Measured From:	DES				
API Serial No.	SECTION	TOWNSHIP	RANGE		

Logging Date	Run 1	Run 2	Run
Run Number			
Depth Driller			
Schlumberger Depth			
Bottom Log Interval			
Top Log Interval			
Casing Driller Size @ Depth			
Casing Schlumberger			
Bit Size			
Type Fluid In Hole			
Density			
Fluid Loss			
PH			
Source Of Sample			
RM @ Measured Temperature	@		
RMF @ Measured Temperature	@		
RMC @ Measured Temperature	@		
Source RMF	RMC		
RM @ MRT	RMF @ MRT	@	@
Maximum Recorded Temperatures			
Circulation Stopped	Time		
Logger On Bottom	Time		
Unit Number	Location		
Recorded By	Steve Kittredge		
Witnessed By	Heike Dalius, Gregor Eberli		

Logging Date	2/3/01		
Run Number	1		
Depth Driller	987.4 m		
Schlumberger Depth	837.5 m		
Bottom Log Interval	837.5 m		
Top Log Interval	408.4 m		
Casing Driller Size @ Depth	0.000 in	@	387 m
Casing Schlumberger	386 m		
Bit Size	9.875 in		
Type Fluid In Hole	Sepiolite		
Density	1.1 g/cm3		
Fluid Loss	PH		
Source Of Sample			
RM @ Measured Temperature	@		
RMF @ Measured Temperature	@		
RMC @ Measured Temperature	@		
Source RMF	RMC		
RM @ MRT	RMF @ MRT	@	@
Maximum Recorded Temperatures			
Circulation Stopped	Time	0700	
Logger On Bottom	Time	See Log	
Unit Number	99	Houston	
Recorded By	Steve Kittredge		
Witnessed By	Heike Dalius, Gregor Eberli		

DISCLAIMER
 THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

OTHER SERVICES1
 OS1: MESTB/LSS
 OS2: DITE/HLDS/APS/HNGS
 OS3:
 OS4:
 OS5:

OTHER SERVICES2
 OS1:
 OS2:
 OS3:
 OS4:
 OS5:

REMARKS: RUN NUMBER 1
 Hole Cored With RCB.
 WHC used on all runs.
 Air Gun used for source.
 Log Measured in Meters Below Rig Floor (MBRF).
 WSTA single axis tool used.
 Sea Floor Driller- 315.2 MBRF.
 Drill Pipe Driller- 387 MBRF.
 Total Depth Driller- 987.4 MBRF.
 Hole was very large.
 Seas Were moderate
 Had Difficulty trying to find stations to anchor tool.

REMARKS: RUN NUMBER 2

RUN 1
 SERVICE ORDER #:
 PROGRAM VERSION: 9C1-303
 FLUID LEVEL:

RUN 2
 SERVICE ORDER #:
 PROGRAM VERSION:
 FLUID LEVEL:

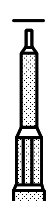
LOGGED INTERVAL	START	STOP

LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1
SURFACE EQUIPMENT
 WSAM
 OPTION
 BGKT_PANEL

RUN 2

DOWNHOLE EQUIPMENT
 LEH-QT
 LEH-QT

 6.78

AH-SWIVLE
AH-SWIVLE

5.89



WSTA-A
WSTA_SONDE
OYO-GEOPHONES

4.98



WSTA Arm
Tension

— TOOL ZERO

TOOL BOTTOM

MAXIMUM STRING DIAMETER 4.63 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGHS IN METERS

VSP STACK SUMMARY LISTING (TWO WAY CORRECTED TIMES)

Gun and Hydrophone Coordinates:

Gun Azimuth 47.0 DEG
 Gun Offset 49.0 M
 Gun Depth From Schlumberger Zero 16.3 M
 Hydrophone Depth From Schlumberger Zero 18.3 M
 SRD Depth From Schlumberger Zero 11.3 M

Other VSP constants:

True Vertical Time Correction YES
 Surface Velocity 1524.00 M/S

Stack number	Measured Depth (1) (M)	Measured Trans Time (2) (MS)	SRD (3) (M)	True Vert. Depth from (4) (MS)	Corrected Trans Time (5) (M/S)	Interval Velocity
12	408.4	239.74	397.1	484.95	2502.90	
11	440.0	252.18	428.7	510.20	2282.89	
10	480.0	269.53	468.7	545.24	2264.25	
9	490.0	273.90	478.7	554.07	2573.76	
8	531.0	289.68	519.7	585.93	2859.07	
7	545.5	294.71	534.2	596.08	2406.36	
6	614.9	323.37	603.6	653.76	3081.65	
5	634.9	329.81	623.6	666.74	2784.79	
4	669.0	341.98	657.7	691.23	2444.65	
3	774.9	385.14	763.6	777.87	2877.16	

2	800.0	393.83	788.7	795.31	4350.77
1	837.5	402.40	826.2	812.55	0.00

- (1) Measured Depth is Cable Depth Referenced to Schlumberger Zero.
(2) TVD is referenced to SRD (5)
(3) TW Transit time with respect to SRD(5) corrected for Deviation
(4) Interval Velocity corrected for Deviation.
(5) SRD is Seismic Reference Depth.

VSP STACK SUMMARY LISTING

Gun and Hydrophone Coordinates:

Gun Azimuth 47.0 DEG
Gun Offset 49.0 M
Gun Depth From Schlumberger Zero 16.3 M
Hydrophone Depth From Schlumberger Zero 18.3 M
SRD Depth From Schlumberger Zero 11.3 M

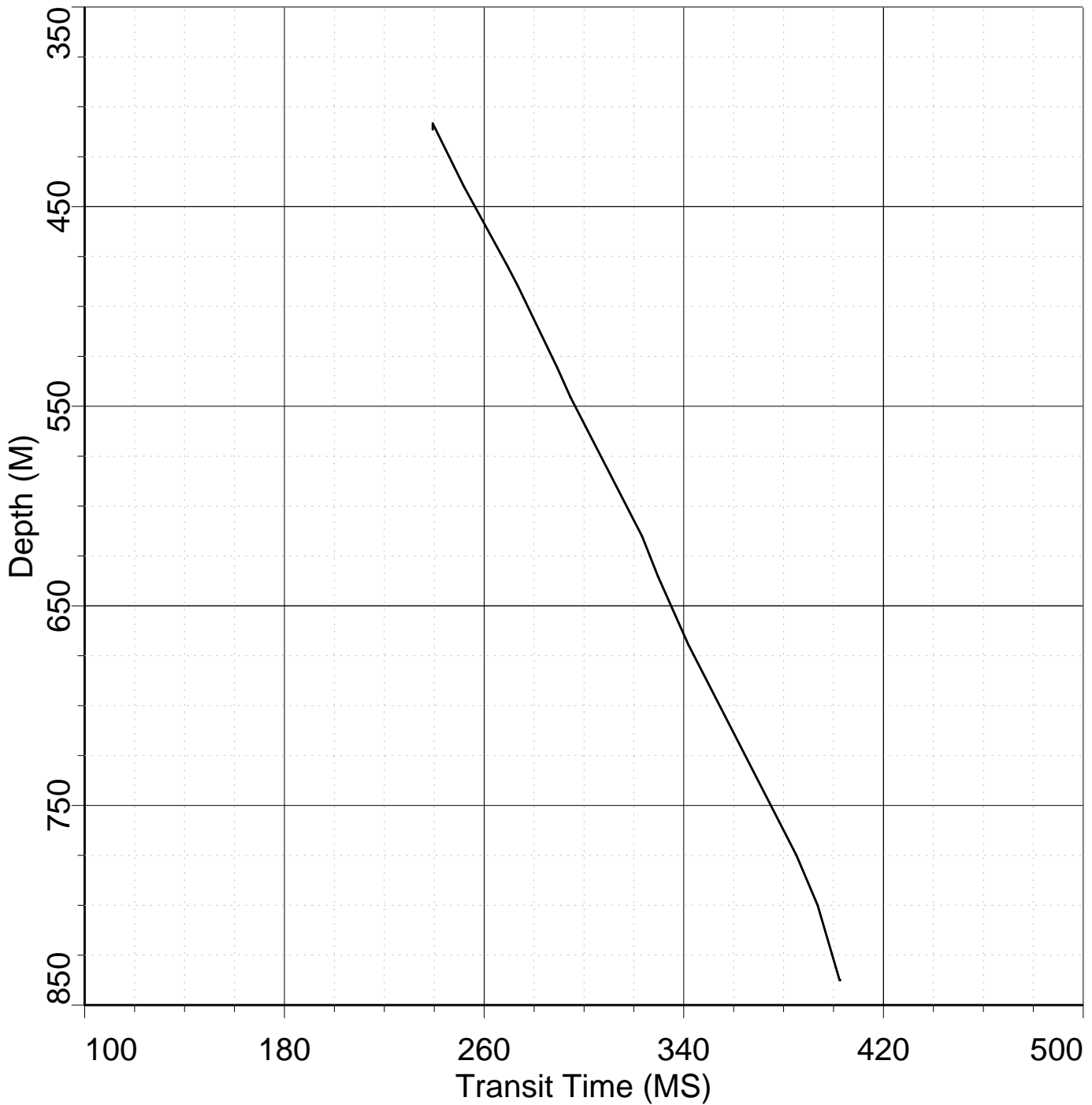
Other VSP constants:

True Vertical Time Correction YES
Surface Velocity 1524.00 M/S

Stack number	Measured Depth (1) (M)	Measured Trans Time (2) (MS)	True Vert. Depth from (3) (MS)	Corrected Trans Time (4) (M/S)	Interval Velocity
12	408.4	239.74	397.1	242.47	2502.90
11	440.0	252.18	428.7	255.10	2282.89
10	480.0	269.53	468.7	272.62	2264.25
9	490.0	273.90	478.7	277.04	2573.76
8	531.0	289.68	519.7	292.97	2859.07
7	545.5	294.71	534.2	298.04	2406.36
6	614.9	323.37	603.6	326.88	3081.65
5	634.9	329.81	623.6	333.37	2784.79
4	669.0	341.98	657.7	345.61	2444.65
3	774.9	385.14	763.6	388.93	2877.16
2	800.0	393.83	788.7	397.66	4350.77
1	837.5	402.40	826.2	406.28	0.00

- (1) Measured Depth is Cable Depth Referenced to Schlumberger Zero.
(2) TVD is referenced to SRD (5)
(3) Transit time with respect to SRD(5) corrected for Deviation.
(4) Interval Velocity corrected for Deviation.
(5) SRD is Seismic Reference Depth.

Index: 837.5 - 411.4 M



13 Points Plotted

4-FEB-2001 5:26

Output DLIS Files

DEFAULT WST .012 FN:21 PRODUCER 04-Feb-2001 03:42 0.0 M 0.2 M

OP System Version: 9C1-303
MCM

WSTA-A OP91-kp2

STACK # 12 4-Feb-2001-05:17 Shots: 99-100-101-102-104

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG

Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 0 ms

S1, pp= 53829 bits = 8213.9043 mV, Gain = 1, Break= 10.38 ms

WSTA Depth = 408.4 M , Transit Time = 239.74 ms

DZ1, pp= 65534 bits = 9999.9990 mV, Gain = 1, Break= 250.12 ms



STACK # 11 4-Feb-2001-05:08 Shots: 91-92-93-94-95
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 0 ms

S1, pp= 53984 bits = 8237.5557 mV, Gain = 1, Break= 10.27 ms

WSTA Depth = 440.0 M , Transit Time = 252.18 ms

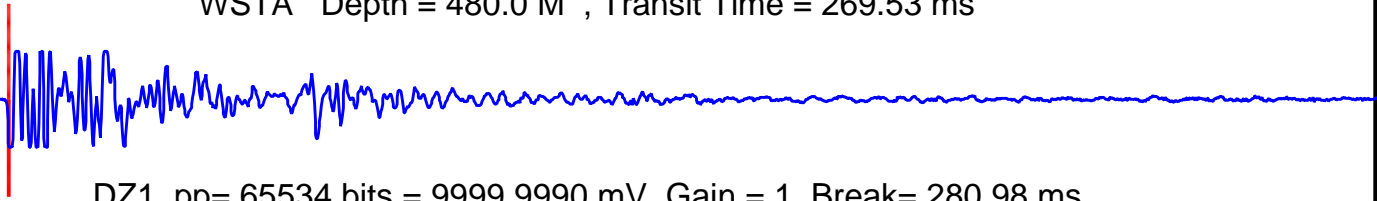
DZ1, pp= 65534 bits = 9999.9990 mV, Gain = 1, Break= 262.46 ms



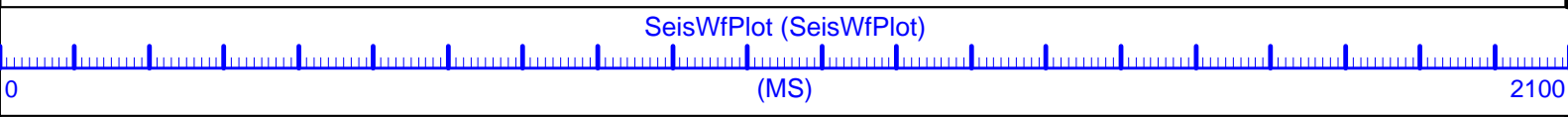
STACK # 10 4-Feb-2001-05:00 Shots: 86-87-88-89-90
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 0 ms

S1, pp= 53356 bits = 8141.7275 mV, Gain = 1, Break= 11.45 ms

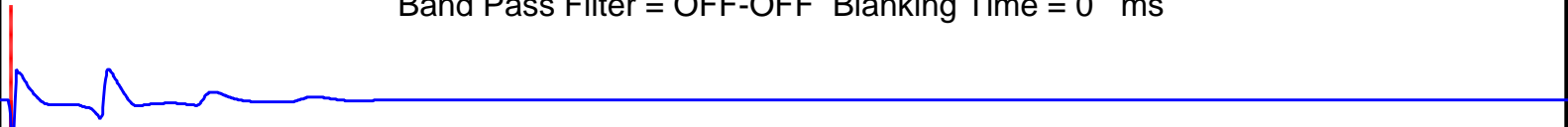
WSTA Depth = 480.0 M , Transit Time = 269.53 ms



DZ1, pp= 65534 bits = 9999.9990 mV, Gain = 1, Break= 280.98 ms

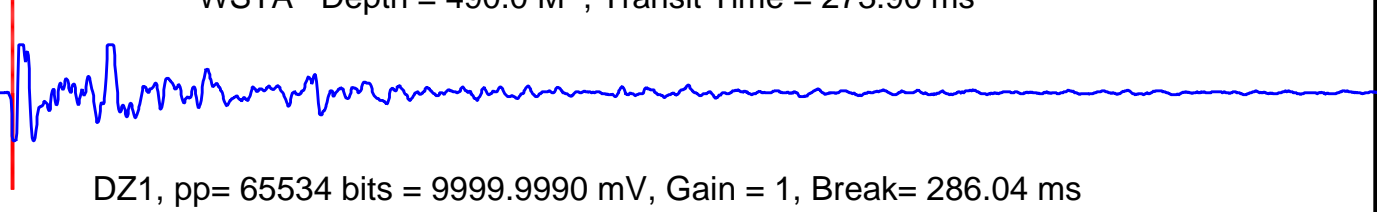


STACK # 9 4-Feb-2001-04:56 Shots: 81-82-83-84-85
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 0 ms

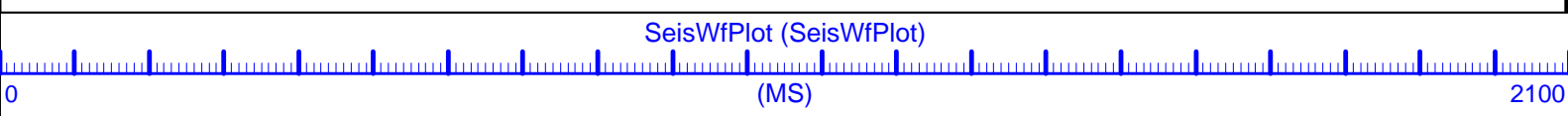


S1, pp= 53722 bits = 8197.5762 mV, Gain = 1, Break= 12.13 ms

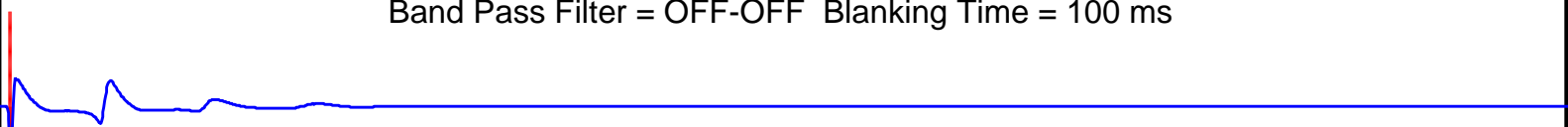
WSTA Depth = 490.0 M , Transit Time = 273.90 ms



DZ1, pp= 65534 bits = 9999.9990 mV, Gain = 1, Break= 286.04 ms

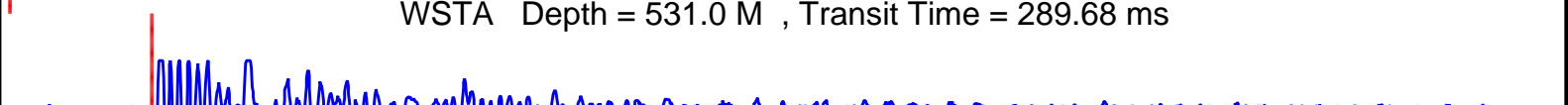


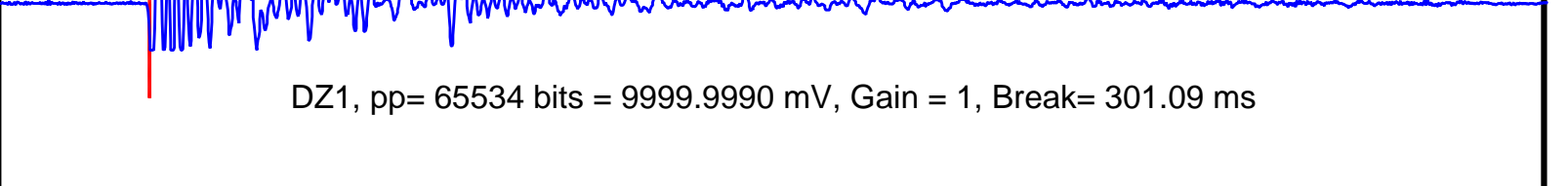
STACK # 8 4-Feb-2001-04:51 Shots: 74-75-78-79-80
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 100 ms



S1, pp= 52191 bits = 7963.9570 mV, Gain = 1, Break= 11.40 ms

WSTA Depth = 531.0 M , Transit Time = 289.68 ms





DZ1, pp= 65534 bits = 9999.9990 mV, Gain = 1, Break= 301.09 ms

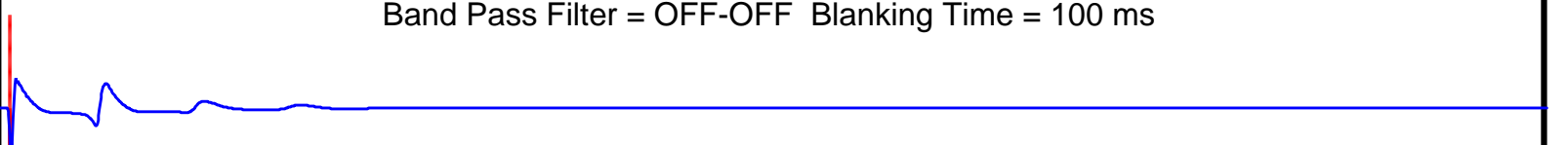
SeisWfPlot (SeisWfPlot)

100

(MS)

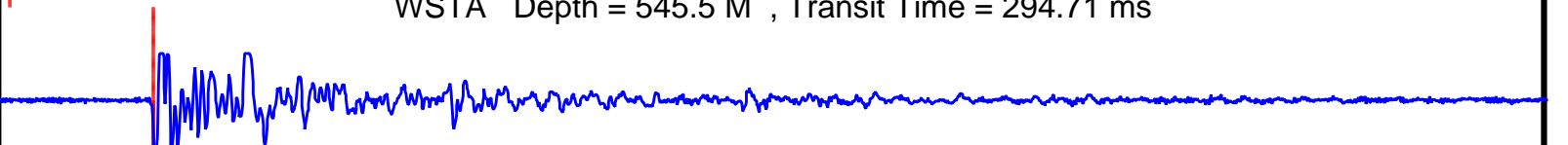
2200

STACK # 7 4-Feb-2001-04:44 Shots: 63-64-65-67-69-70-71-72-73
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 100 ms



S1, pp= 53809 bits = 8210.8516 mV, Gain = 1, Break= 11.45 ms

WSTA Depth = 545.5 M , Transit Time = 294.71 ms



DZ1, pp= 65534 bits = 9999.9990 mV, Gain = 1, Break= 306.16 ms

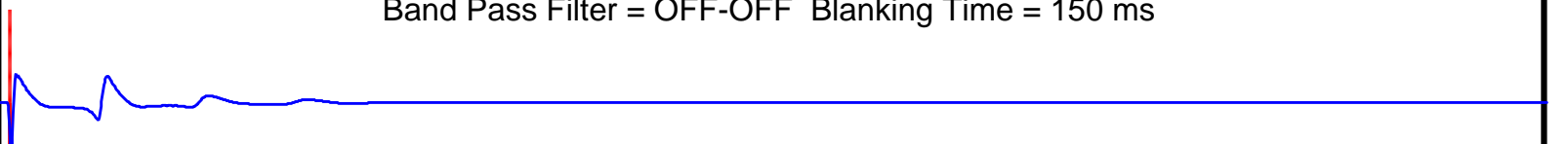
SeisWfPlot (SeisWfPlot)

100

(MS)

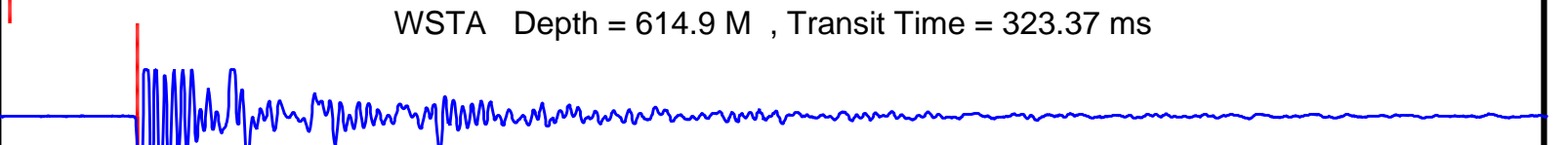
2200

STACK # 6 4-Feb-2001-04:30 Shots: 57-58-59-60-61
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 150 ms



S1, pp= 53251 bits = 8125.7056 mV, Gain = 1, Break= 11.45 ms

WSTA Depth = 614.9 M , Transit Time = 323.37 ms



DZ1, pp= 65534 bits = 9999.9990 mV, Gain = 1, Break= 334.82 ms

STACK # 5 4-Feb-2001-04:27 Shots: 52-53-54-55-56
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 150 ms

S1, pp= 53586 bits = 8176.8237 mV, Gain = 1, Break= 11.46 ms

WSTA Depth = 634.9 M , Transit Time = 329.81 ms

DZ1, pp= 65534 bits = 9999.9990 mV, Gain = 1, Break= 341.27 ms

STACK # 4 4-Feb-2001-04:22 Shots: 45-46-47-48-49-50-51
Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
Band Pass Filter = OFF-OFF Blanking Time = 150 ms

S1, pp= 52046 bits = 7941.8315 mV, Gain = 1, Break= 13.50 ms

WSTA Depth = 669.0 M , Transit Time = 341.98 ms

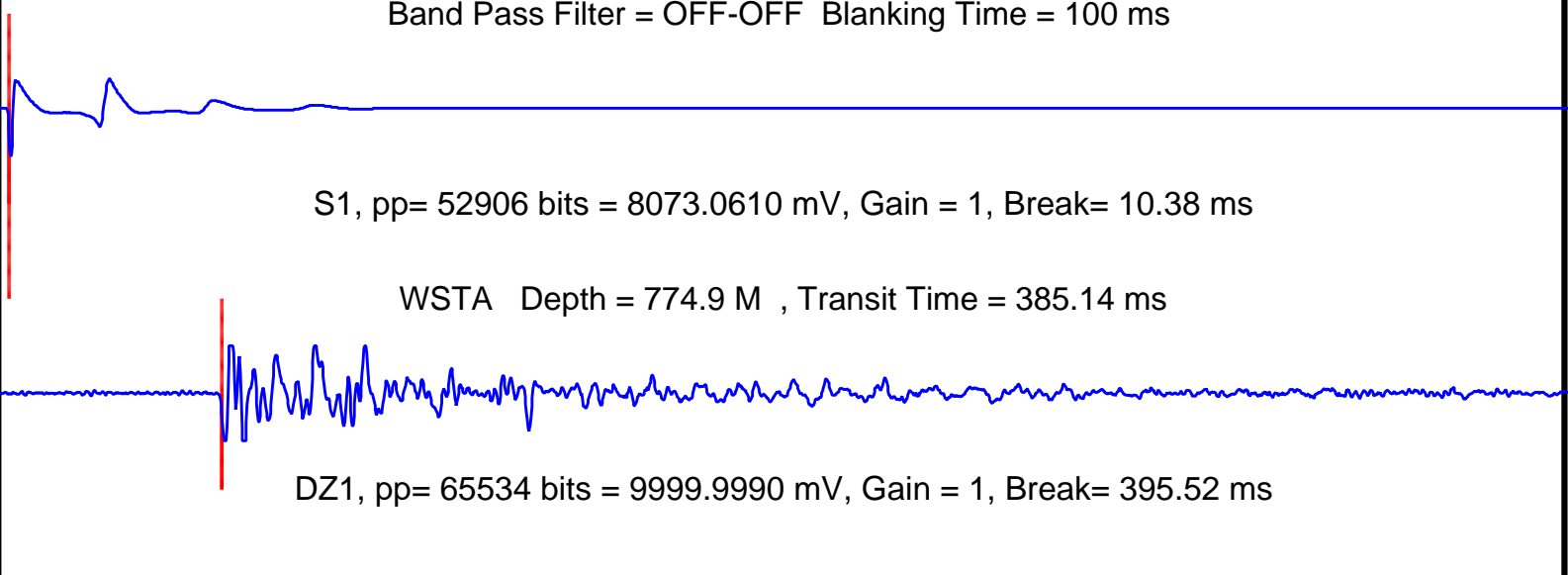
DZ1, pp= 65534 bits = 9999.9990 mV, Gain = 1, Break= 355.49 ms

STACK # 3 4-Feb-2001-04:08 Shots: 35-36-37-38-40-41-42
 Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
 Band Pass Filter = OFF-OFF Blanking Time = 100 ms

S1, pp= 52906 bits = 8073.0610 mV, Gain = 1, Break= 10.38 ms

WSTA Depth = 774.9 M , Transit Time = 385.14 ms

DZ1, pp= 65534 bits = 9999.9990 mV, Gain = 1, Break= 395.52 ms



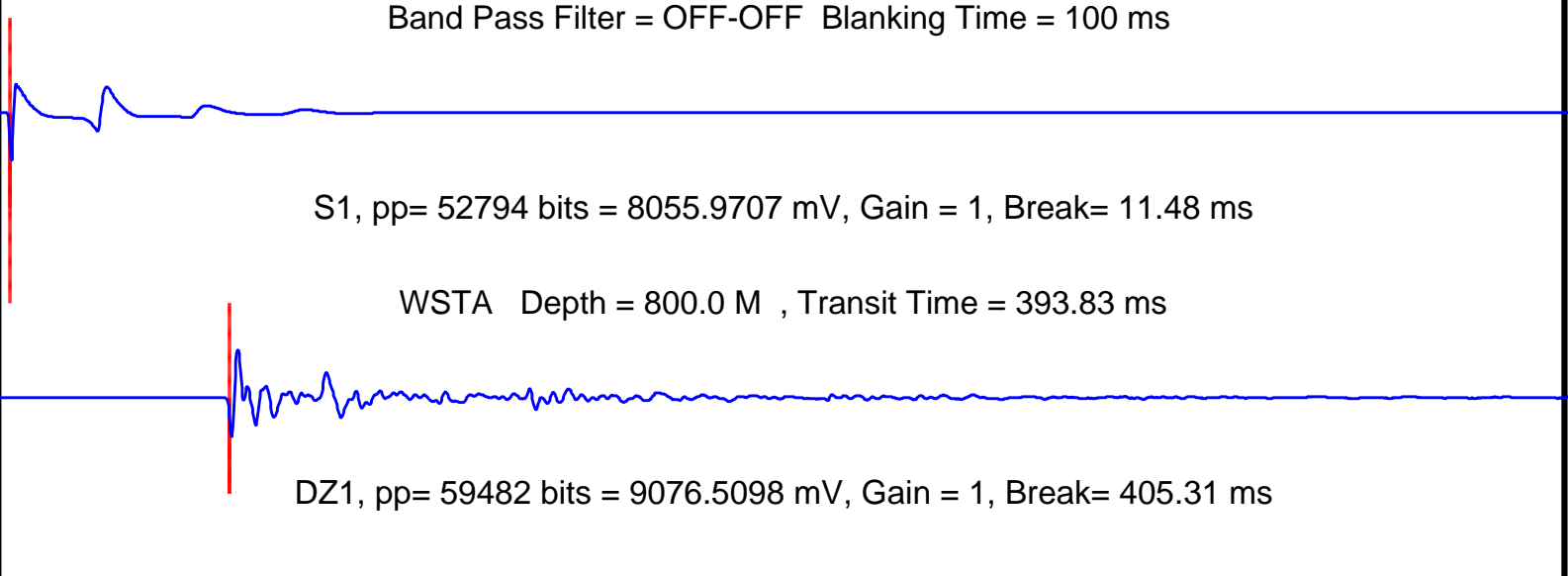
SeisWfPlot (SeisWfPlot)

STACK # 2 4-Feb-2001-04:03 Shots: 30-31-32-33-34
 Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
 Band Pass Filter = OFF-OFF Blanking Time = 100 ms

S1, pp= 52794 bits = 8055.9707 mV, Gain = 1, Break= 11.48 ms

WSTA Depth = 800.0 M , Transit Time = 393.83 ms

DZ1, pp= 59482 bits = 9076.5098 mV, Gain = 1, Break= 405.31 ms



SeisWfPlot (SeisWfPlot)

STACK # 1 4-Feb-2001-03:57 Shots: 22-23-24-25-26-27-28
 Source Offset Distance = 49.0 M Azimuth = 0.0 DEG
 Band Pass Filter = OFF-OFF Blanking Time = 200 ms

S1, pp= 52341 bits = 7986.8462 mV, Gain = 1, Break= 11.46 ms

WSTA Depth = 837.5 M , Transit Time = 402.40 ms

DZ1, pp= 56388 bits = 8604.3877 mV, Gain = 1, Break= 413.86 ms



Format: SeisAxisWfPlotCsat Vertical Scale: 0.5" per 1SAMPLES Graphics File Created: 04-Feb-2001 03:42

OP System Version: 9C1-303
MCM

WSTA-A OP91-kp2

Output DLIS Files

DEFAULT WST .012 FN:21 PRODUCER 04-Feb-2001 03:42

COMPANY: Lamont Doherty WELL: ODP Leg 194, Site 1196A FIELD: Marion Plateau Country: Australia Ocean: Pacific Ocean	BOTTOM LOG INTERVAL	837.5 m
	SCHLUMBERGER DEPTH	837.5 m
	DEPTH DRILLER	987.4 m
	KELLY BUSHING	11.3 m
	DRILL FLOOR	11 m
	GROUND LEVEL	-315.2 m



WELL SEISMIC TOOL