



Baker Atlas



FILE NO:

COMPANY

PDI PRODUCTION INC.

WELL

G.H.S. PAP #1 ST#2

API NO:

FIELD

GARDEN HILLS SOUTH

PROVINCE

NEWFOUNDLAND

Ver. 3.87

LOCATION:

OTHER SERVICES

CASING INSPECTION
CEMENT BOND LOG

LAT 59-13-35.319 W LONG 48-29-21.326 N

GL ELEVATION 212.2 M

KB 7.3 M ABOVE P.D.

KB ELEVATIONS: 219.5 M

DF 212.2 M

PERMANENT DATUM
LOG MEASURED FROM
DRILL MEAS. FROM

DATE 27-AUG-2008

RUN 1 TRIP 1

SERVICE ORDER 422378

DEPTH DRILLER 4196 M

DEPTH LOGGER 2359 M

BOTTOM LOGGED INTERVAL 2359 M

TOP LOGGED INTERVAL 2100 M

TIME STARTED 8:30

TIME FINISHED 5:30

OPERATOR RIG TIME 9 HRS

TYPE OF FLUID IN HOLE WATER

FLUID DENSITY N/A

FLUID SALINITY N/A

FLUID LEVEL SURFACE

LOGGED CEMENT TOP SEE REMARKS

WELLHEAD PRESSURE 0 KPA

MAXIMUM HOLE DEVIATION 2 DEG

NOMINAL LOGGING SPEED 10 M/MN

MAX. RECORDED TEMP. N/A

REFERENCE LOG SEE REMARKS

REFERENCE LOG DATE SEE REMARKS

EQUIP. NO. C - 6558

LOCATION TYRONE WELLS

RECORDED BY NISKU

WITNESSED BY STEVE MCINTOSH

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT. BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES, OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.

BOREHOLE RECORD

BIT SIZE	FROM	TO

CASING RECORD

SIZE	WEIGHT	GRADE	FROM	TO
244.5 MM	59.52 KG/M	L-80	0 M	2508.5 M
193.7 MM	58.09 KG/M	T-95	2360 M	4196 M

PERFORATION RECORD

PERFORATION TYPE	POSITION	PHASING	SPACING	DENSITY	FROM	TO
38GM HSC-5000-325F	1 METER	60		17	2330.5 M	2331.5 M
38GM HSC-5000-325F	1 METER	60		16	2338.5 M	2339.5 M
38GM HSC-5000-325F	1 METER	60		17	2346.5 M	2347.5 M

REMARKS

RUN 1 TRIP 1: -LOG CORRELATED TO A BAKER ATLAS SBT LOG PERFORMED IN 1996.

-GUN 1 SHOT AT 2947

-GUN 2 SHOT AT 2939

-GUN 3 SHOT AT 2331

-GUNS SHOT DEPTH AT MIDDLE SHOT

-CCL - TOP SHOT: 0.8

-CCL - MIDDLE SHOT: 1.3

-CCL - BOTTOM SHOT: 1.8

-CCL - BOTTOM SHOT: 1.8
 -CCL - BOTTOM OF TOOL: 2.3
 -38 GRAM HSC-5000-325F CHARGES 17 SPM 60 DEGREE PHASING.
 -CEMENT RETAINER SET AT 2327.5.

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
3	1	CCL	2315NA	601443	FREE

CORRELATION PASS

ECLIPS 6.0i Feb 21, 2008
 Patches: 1,3,4

Tue Aug 26 19:37:59 2008

Pcrplt /main/62

Cplot

Pdf_Cpp /main/16

Fileview 5.24

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/pass/pdi/k112b06.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 1973.790 m BOTTOM DEPTH: 2364.029 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
SPEED	FILTER ()	medium (1)		TOP	BOTTOM
	FILTER (.h)	medium (1)		"	"
TENSION	FILTER ()	medium (1)		"	"

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/pass/pdi/k331eR04.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 18.669 m BOTTOM DEPTH: 2341.245 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
SPEED	FILTER ()	medium (1)		TOP	BOTTOM
TENSION	FILTER ()	medium (1)		"	"

SBT NORMALIZATION RESULTS

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS
SBT	CORR. FACTOR1	-4.375	dB/m
	CORR. FACTOR2	2.214	dB/m
	CORR. FACTOR3	0.931	dB/m
	CORR. FACTOR4	2.975	dB/m
	CORR. FACTOR5	0.018	dB/m
	CORR. FACTOR6	-1.764	dB/m
FILE: /dat1a/pass/pdi/k331eR04.sbt.qc.meta			

CURVE DESCRIPTION REPORT

CURVE DESCRIPTION REPORT

CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:ACCLQK	CCL.K	Aug 26 18:43:50 2008	ANALOG (CONTINUOUS) CCL FOR SHOOTING
F2:CCL	CORR_CCL	Aug 24 08:55:30 2008	CASING COLLAR LOCATOR
F1:MMDCNT	MMDCNT	Aug 26 18:43:50 2008	NUMBER OF MAGNETIC MARKS DETECTED
F1:SPD	SPD	Aug 26 18:43:50 2008	SPEED
F1:TEN	TEN	Aug 26 18:43:50 2008	DIFFERENTIAL TENSION
F1:TEN	TEN	Aug 26 18:43:50 2008	TOTAL TENSION

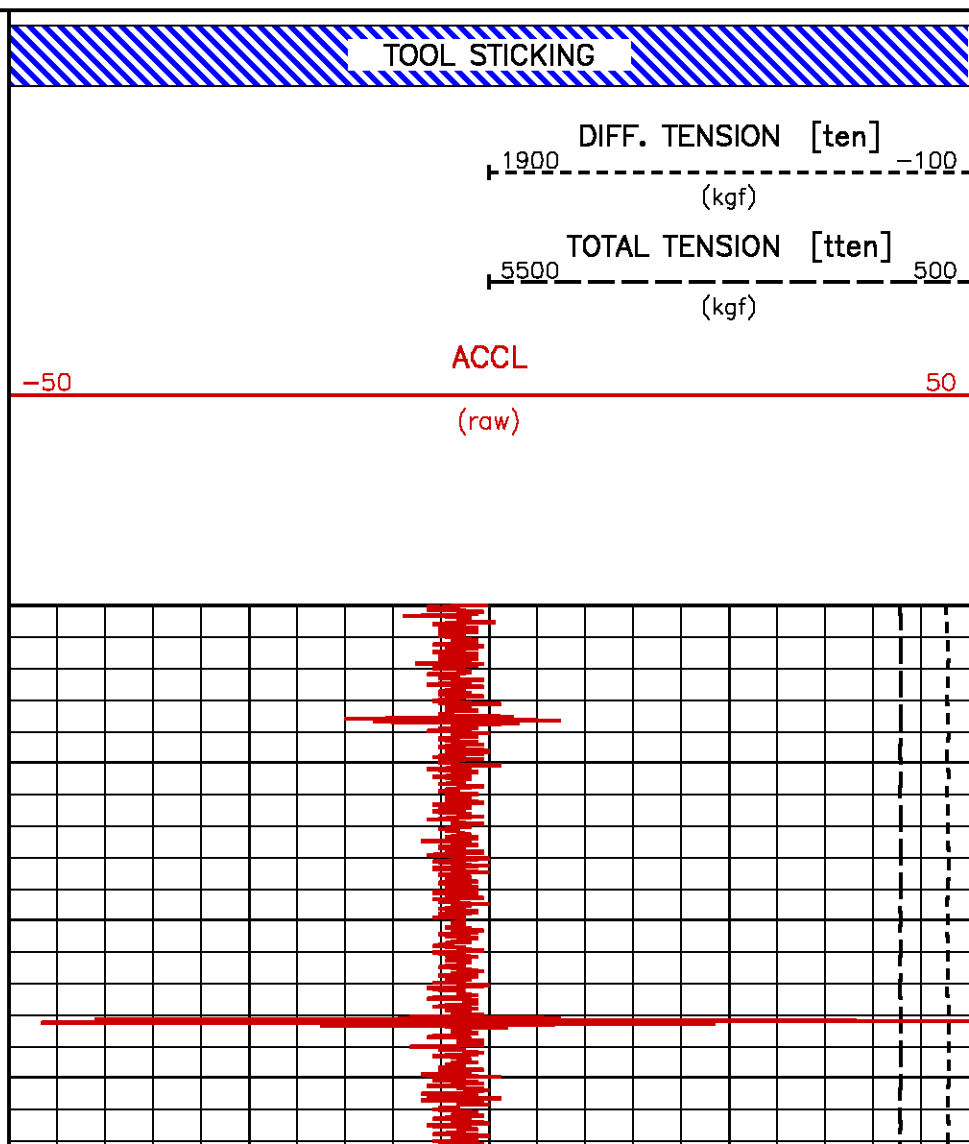
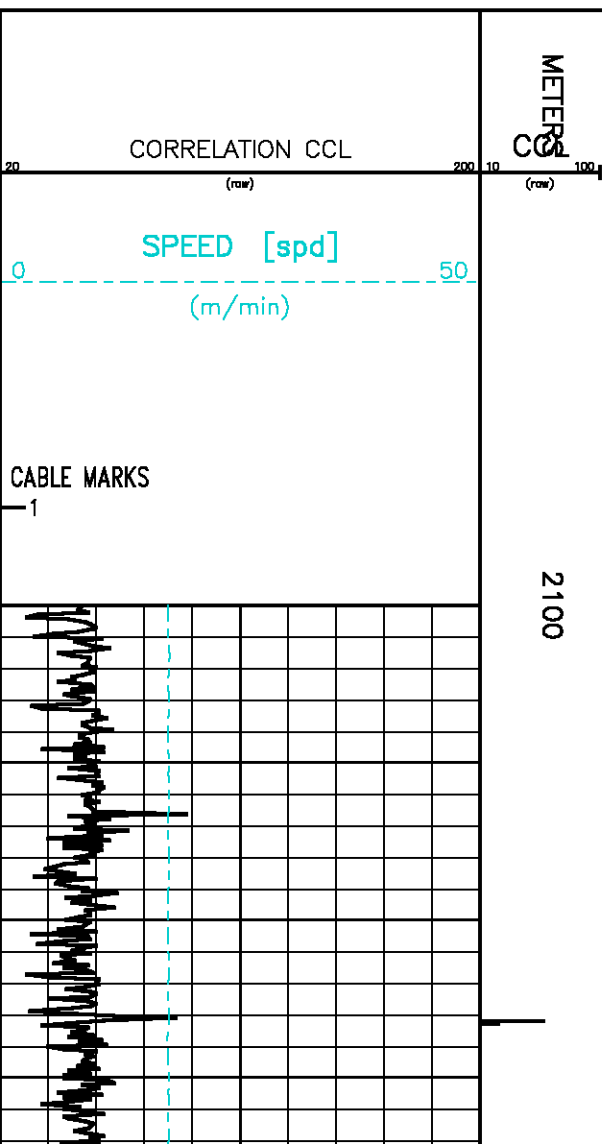
CURVE MEASURE POINT OFFSET

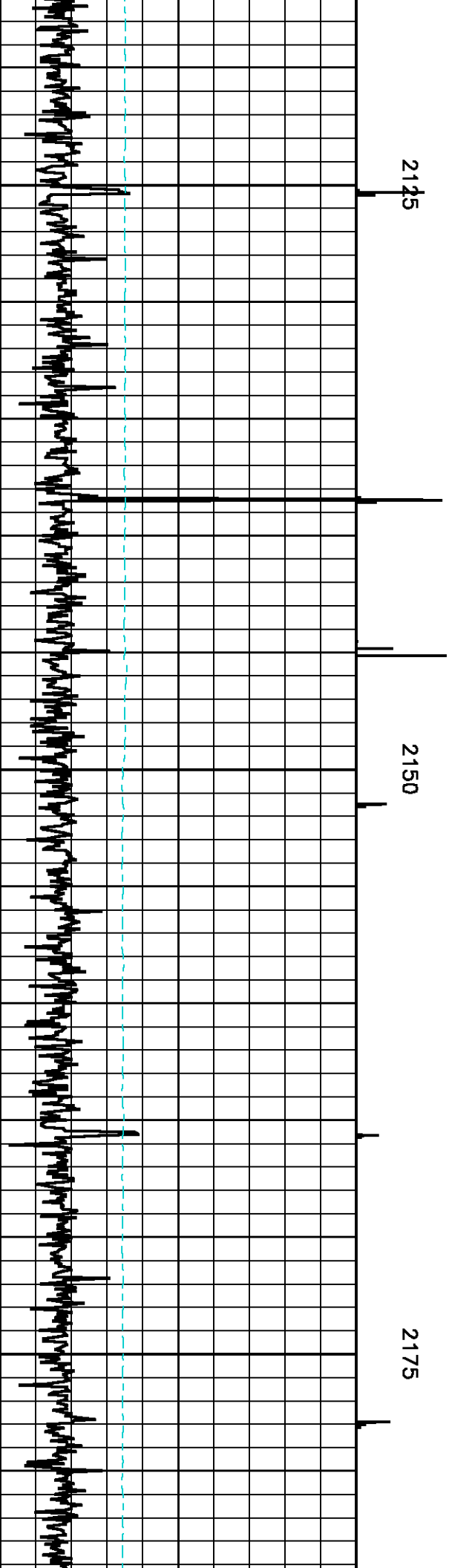
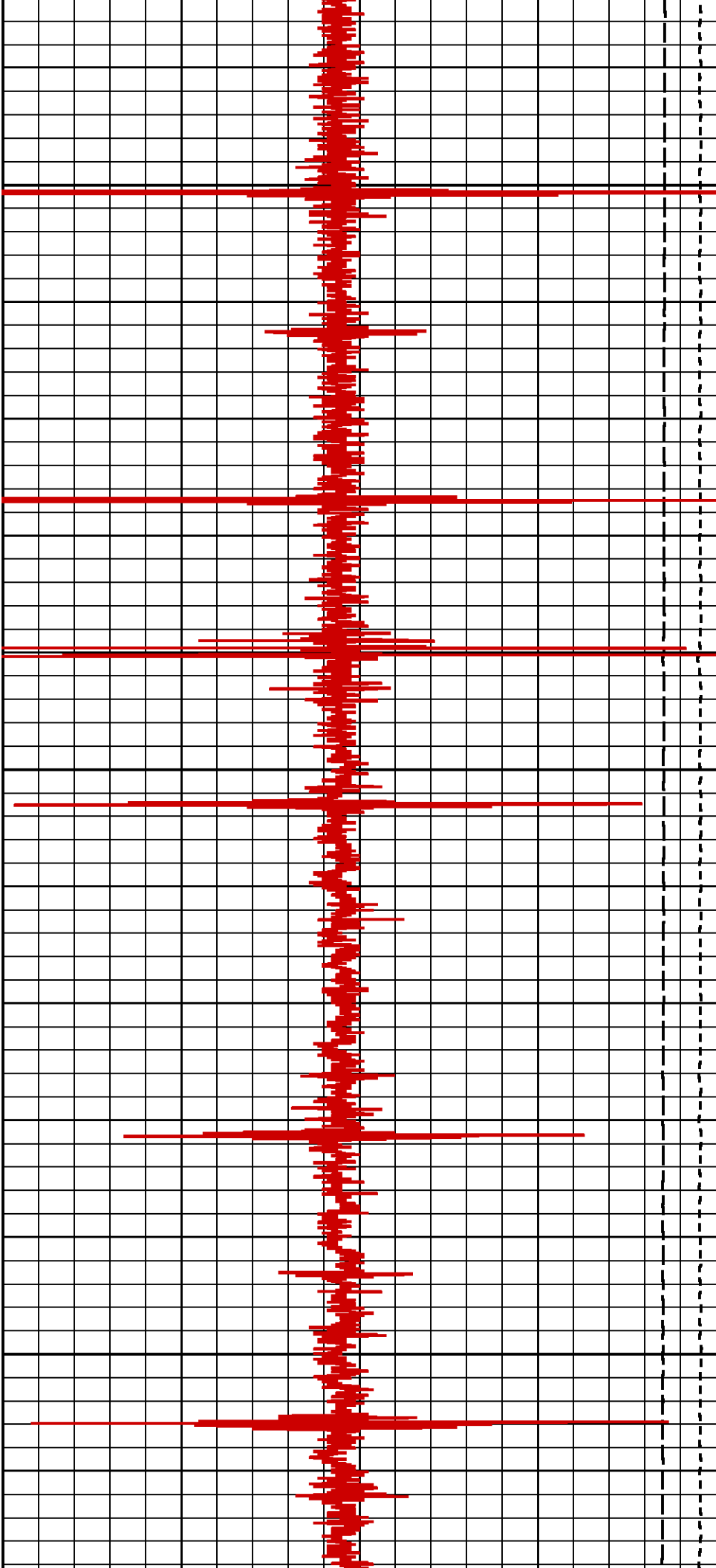
CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
ACCLQK	0.00	SPD	0.00	TEN	-0.38	TTEN	-0.38

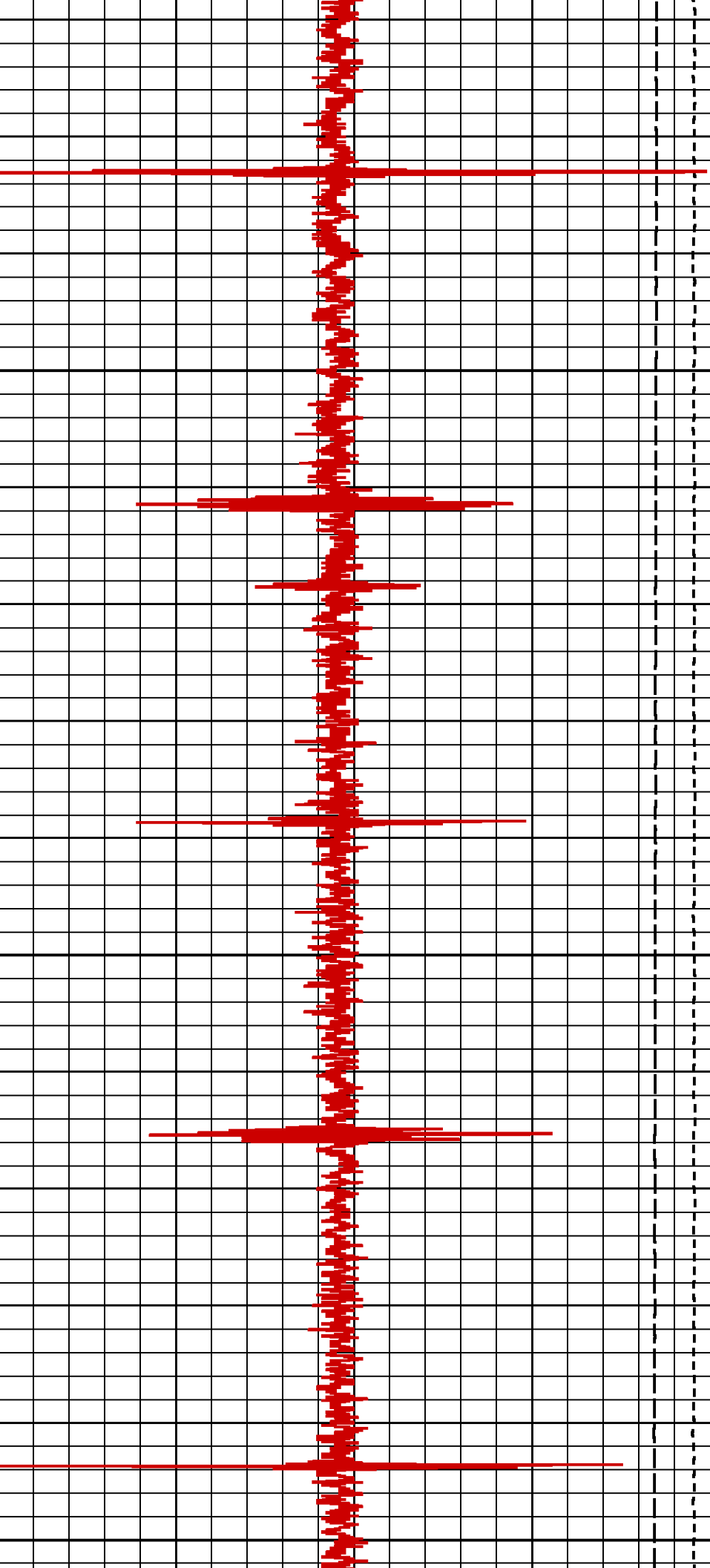
Presentation : cpu1:/dat1a/pass/pdl/PERF_CORR.pdf [1:240 Scale]
Plot Interval : 2100 - 2364.94 Meters

Data File 1 : F1 : cpu1:/dat1a/pass/pdl/k112b06.aff
Created On : Aug 26 18:43:50 2008
Company : PDI PRODUCTION
Well : G.H.S. PAP #1 ST # 2
Field : GAURDIAN HILLS SOUTH
File Interval : 1973.73 - 2364.94 Meters
Oct : k112b

Data File 2 : F2 : cpu1:/dat1a/pass/pdl/k331eR04.aff
Created On : Aug 24 08:55:30 2008
Company : PDI PRODUCTION
Well : PORT AU PORT #1
Field : PORT AU PORT
File Interval : 14.1731 - 2352.37 Meters
Oct : k331e



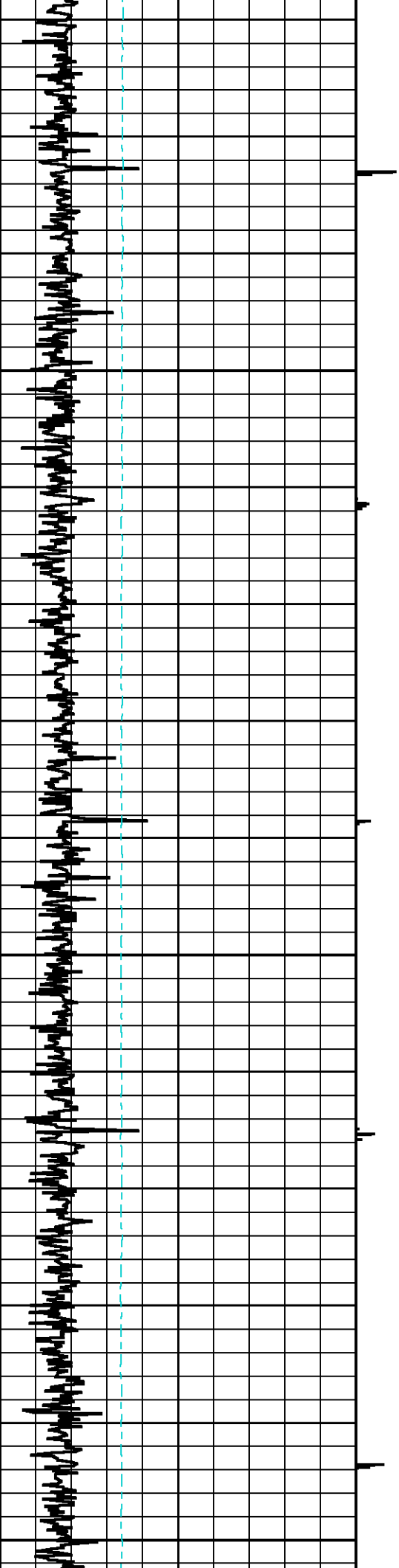


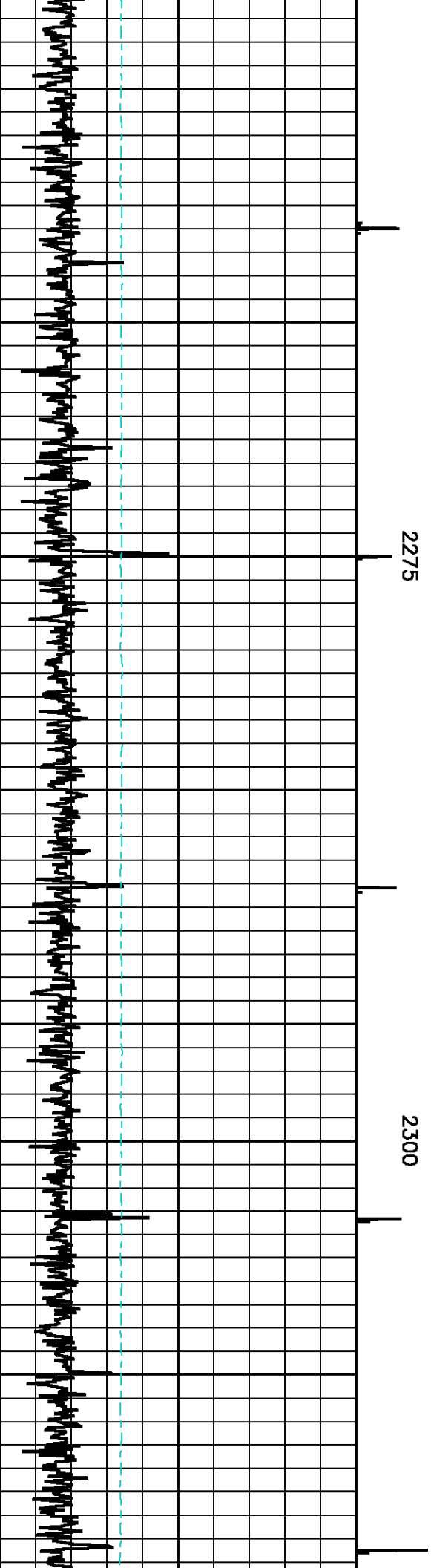
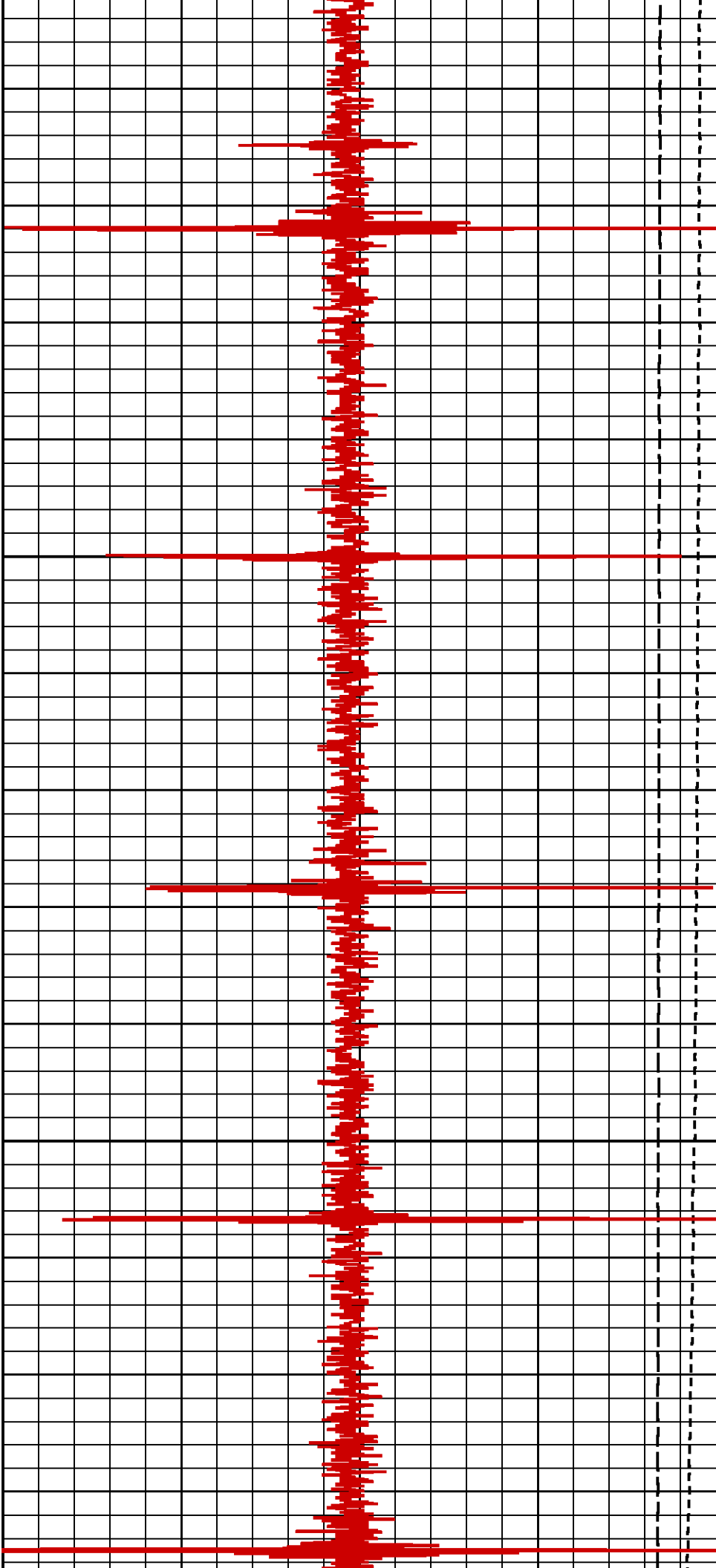


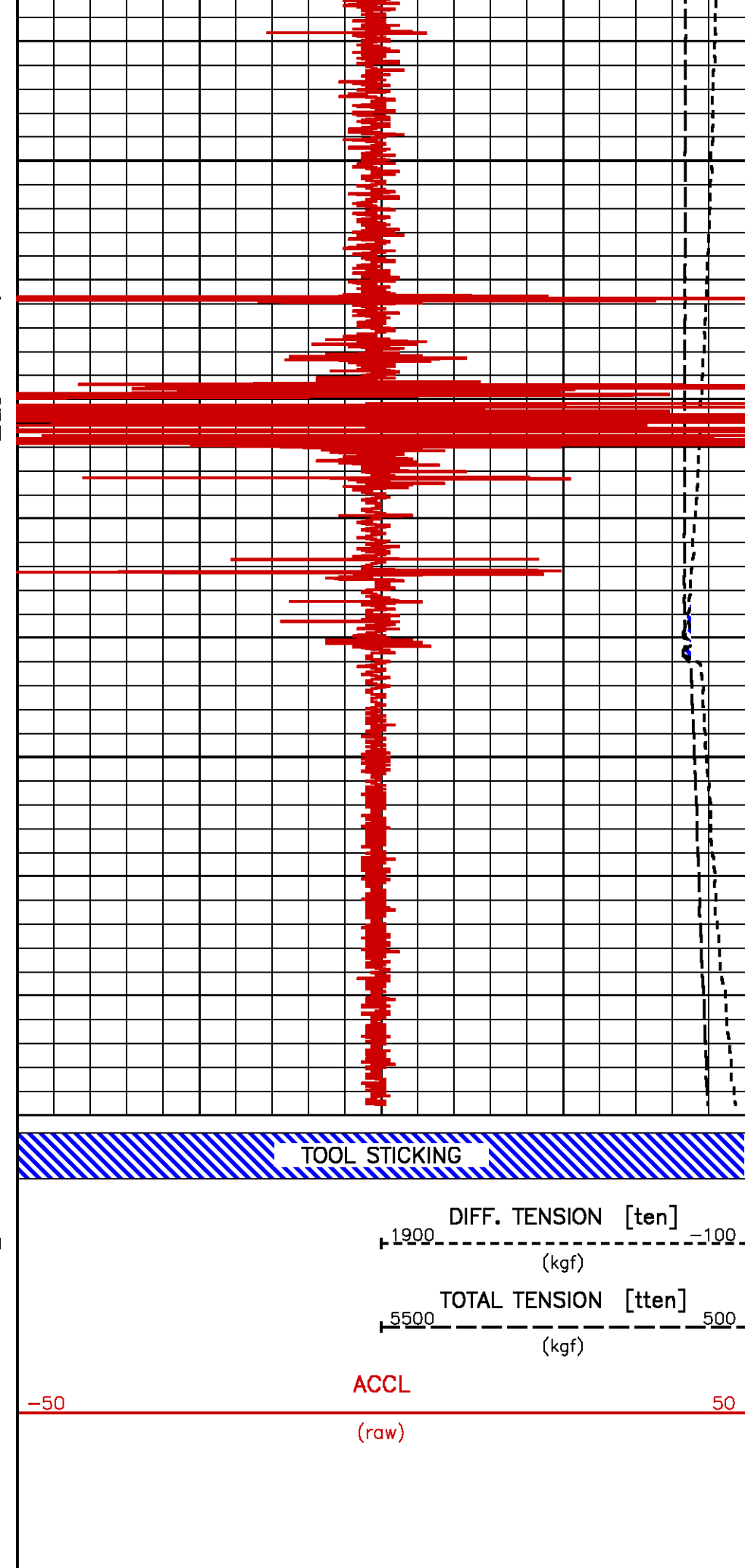
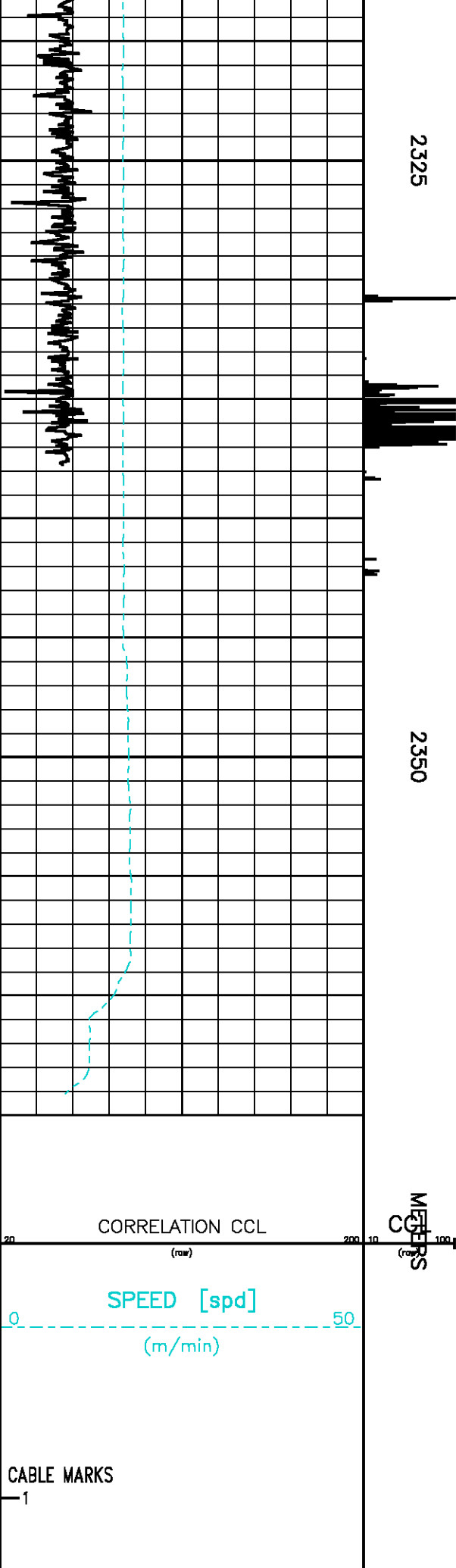
2200

2225

2250







GUN RUN 1

ECLIPS 6.0i Feb 21, 2008

Tue Aug 26 20:00:42 2008

Patches: 1,3,4

Pcrplt /main/62

Cplot

Pdf_Cpp /main/16

Fileview 5.24

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/pass/pdl/k112b08.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 2086.013 m BOTTOM DEPTH: 2358.828 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
SPEED	FILTER ()	medium (1)		TOP	BOTTOM
	FILTER (.h)	medium (1)		"	"
TENSION	FILTER ()	medium (1)		"	"

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/pass/pdl/k331eR04.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 18.669 m BOTTOM DEPTH: 2341.245 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
SPEED	FILTER ()	medium (1)		TOP	BOTTOM
TENSION	FILTER ()	medium (1)		"	"

SBT NORMALIZATION RESULTS

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS
SBT	CORR. FACTOR1	-4.375	dB/m
	CORR. FACTOR2	2.214	dB/m
	CORR. FACTOR3	0.931	dB/m
	CORR. FACTOR4	2.975	dB/m
	CORR. FACTOR5	0.018	dB/m
	CORR. FACTOR6	-1.764	dB/m
FILE: /dat1a/pass/pdl/k331eR04.sbt.qc.meta			

CURVE DESCRIPTION REPORT

CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:ACCLQK	CCL.K	Aug 26 19:29:32 2008	ANALOG (CONTINUOUS) CCL FOR SHOOTING
F2:CCL	CORR_CCL	Aug 24 08:55:30 2008	CASING COLLAR LOCATOR
F1:MMDCNT	MMDCNT	Aug 26 19:29:32 2008	NUMBER OF MAGNETIC MARKS DETECTED
F1:SPD	SPD	Aug 26 19:29:32 2008	SPEED
F1:TEN	TEN	Aug 26 19:29:32 2008	DIFFERENTIAL TENSION
F1:TTEN	TTEN	Aug 26 19:29:32 2008	TOTAL TENSION

CURVE MEASURE POINT OFFSET

CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
ACCLQK	0.00	SPD	0.00	TEN	-0.38	TTEN	-0.38

Presentation
: cpu1:/dat1a/pass/pdi/PERF_GUN1.pdf [1:240 Scale]

Plot Interval
: 2100 - 2359.23 Meters

Data File 1
: F1 : cpu1:/dat1a/pass/pdi/k112b08.aff

Created On
: Aug 26 19:29:32 2008

Company
: PDI PRODUCTION

Well
: G.H.S. PAP #1 ST # 2

Field
: GAURDIAN HILLS SOUTH

File Interval
: 2085.96 - 2359.23 Meters

Oct
: k112b

Data File 2
: F2 : cpu1:/dat1a/pass/pdi/k331eR04.aff

Created On
: Aug 24 08:55:30 2008

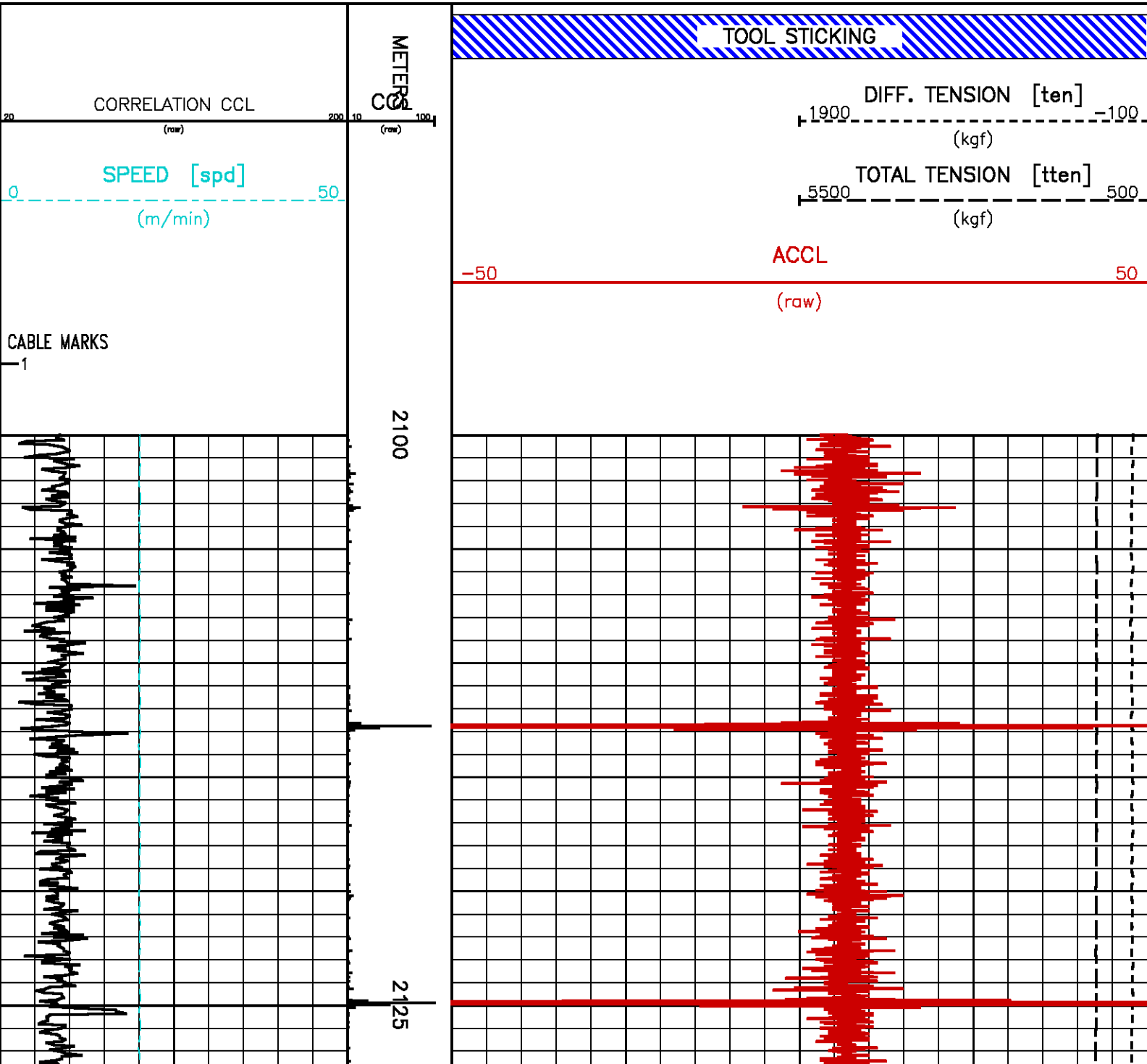
Company
: PDI PRODUCTION

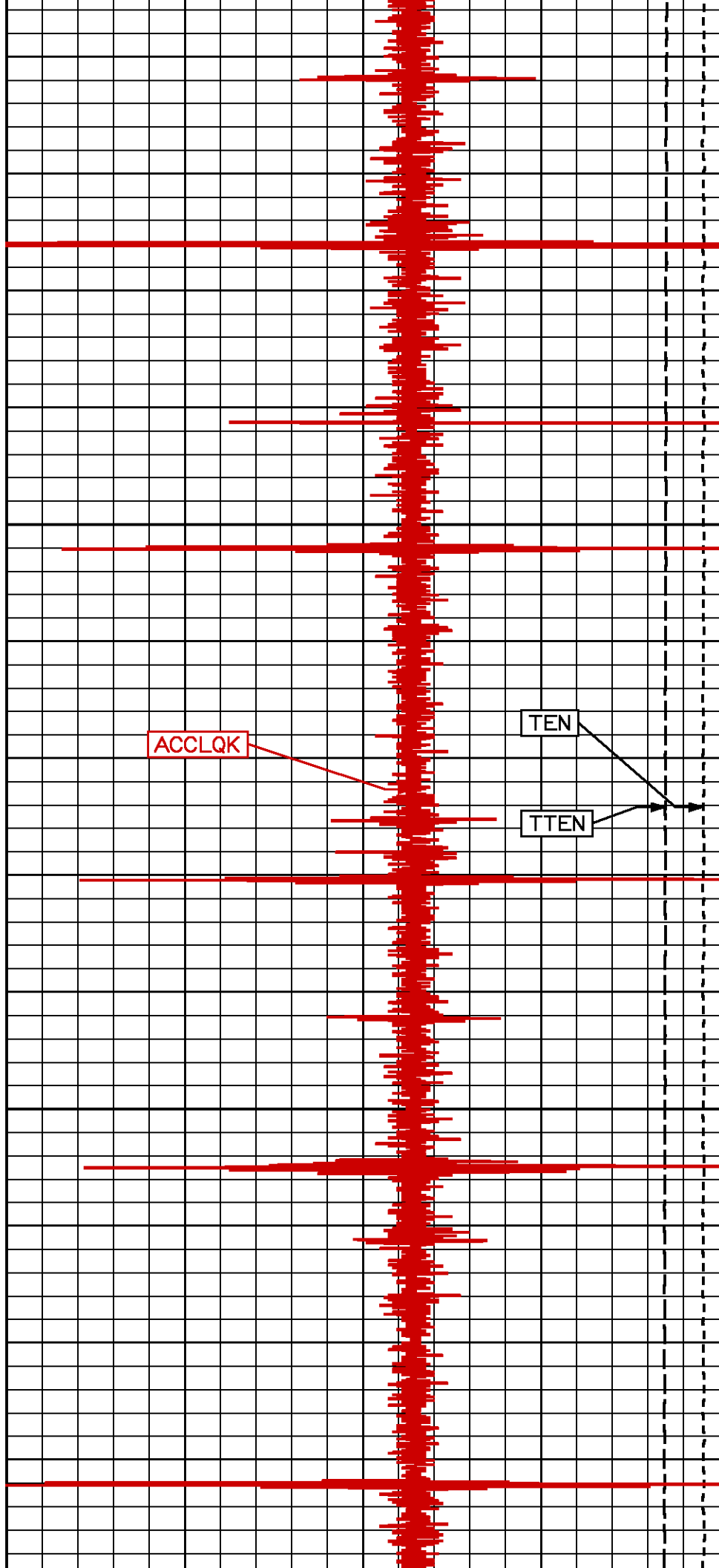
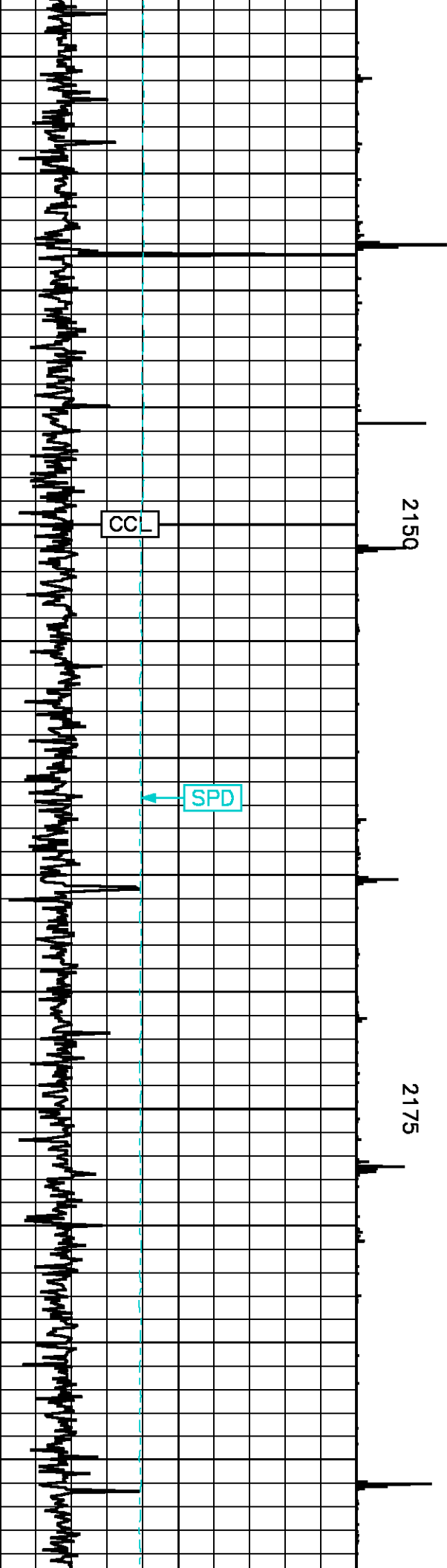
Well
: PORT AU PORT #1

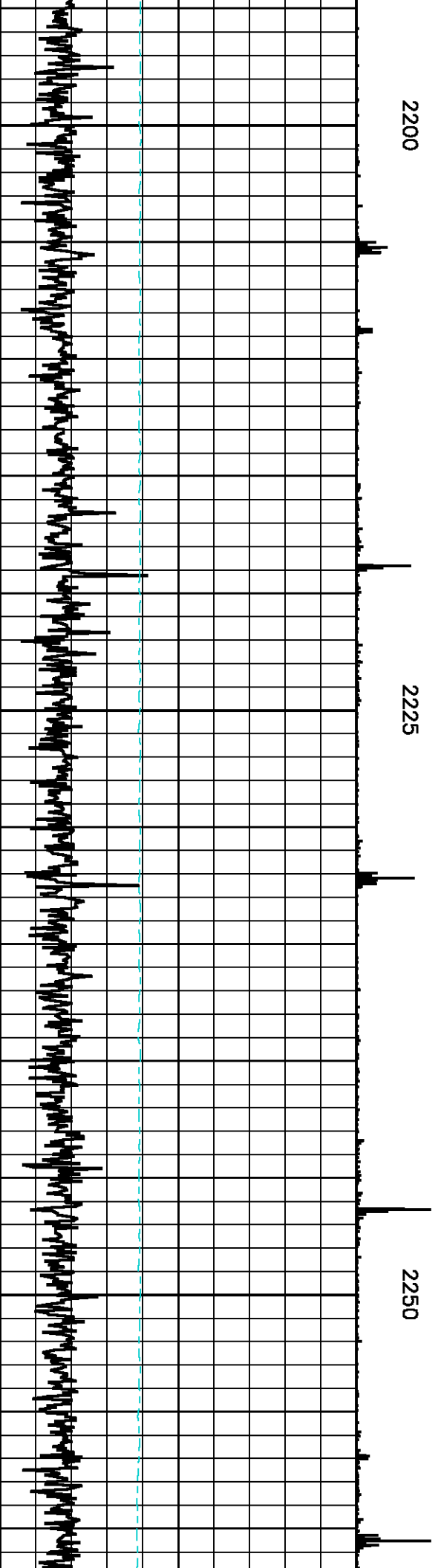
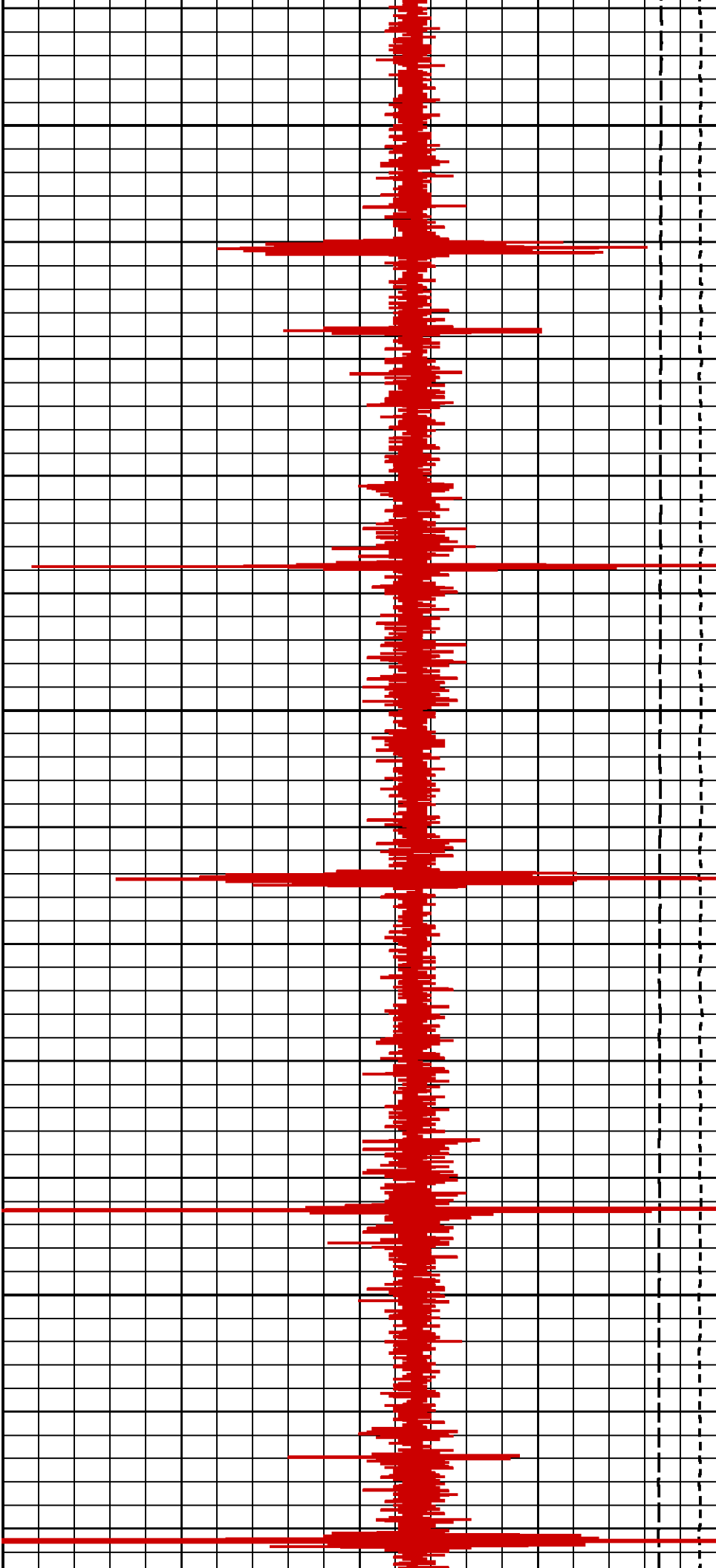
Field
: PORT AU PORT

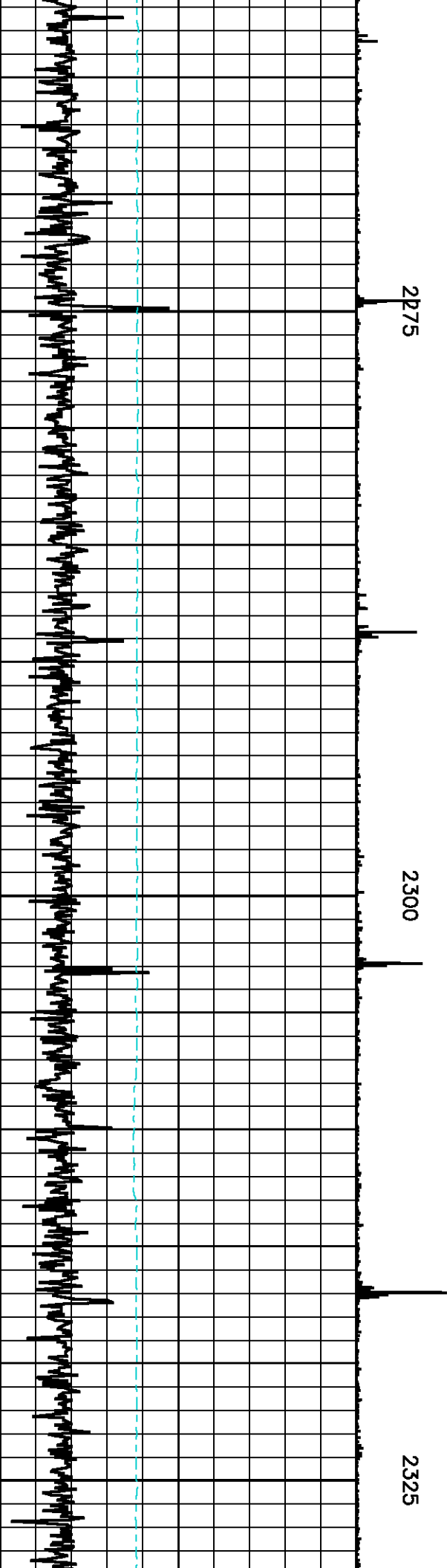
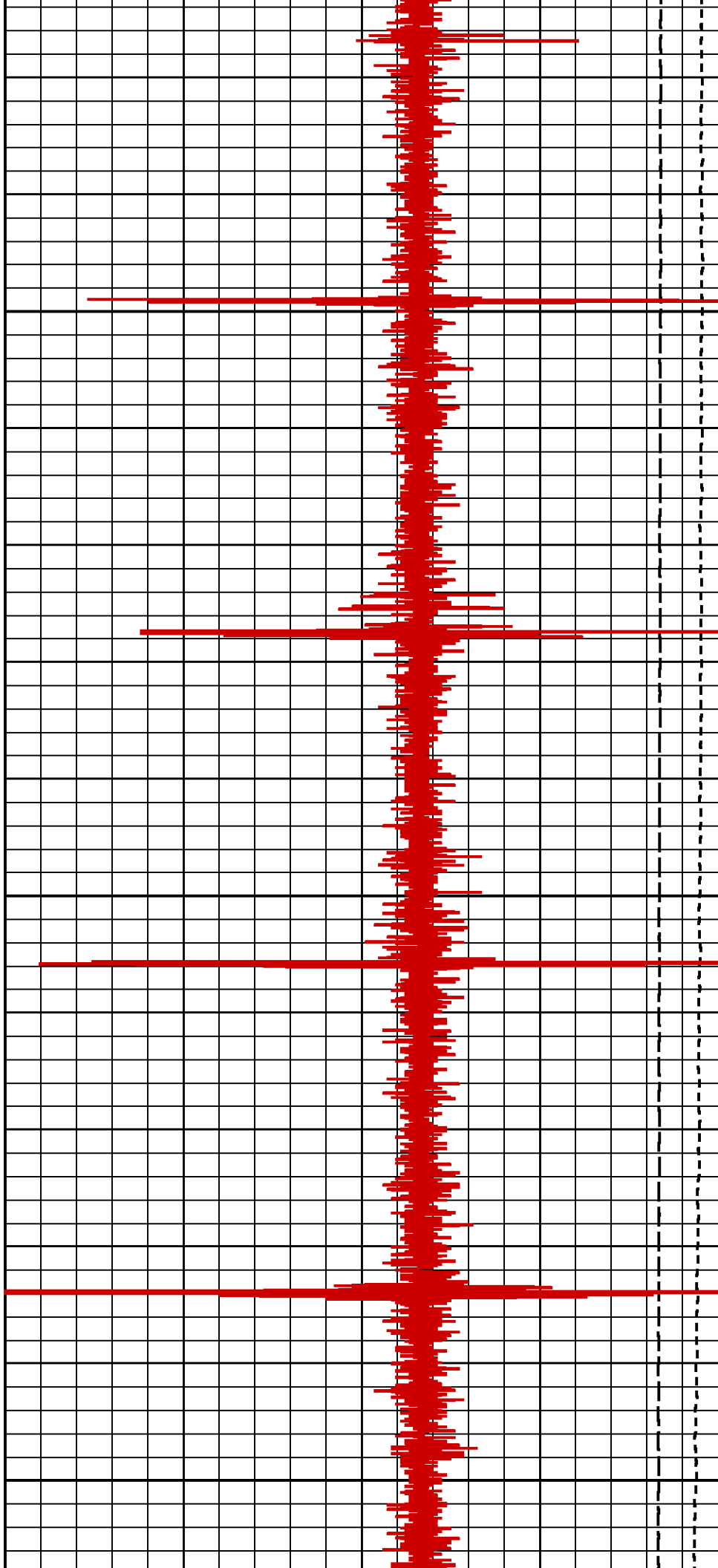
File Interval
: 14.1731 - 2352.37 Meters

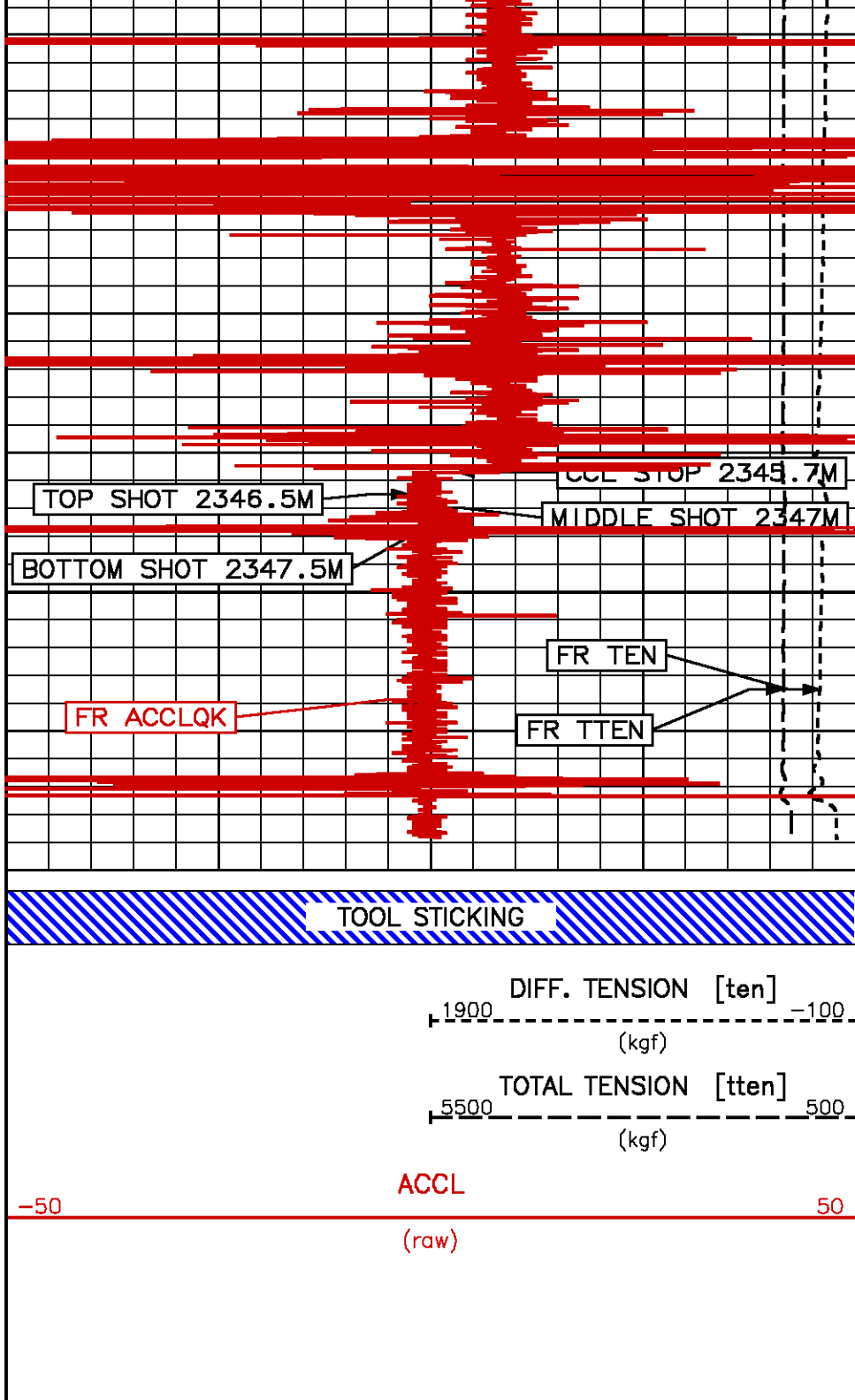
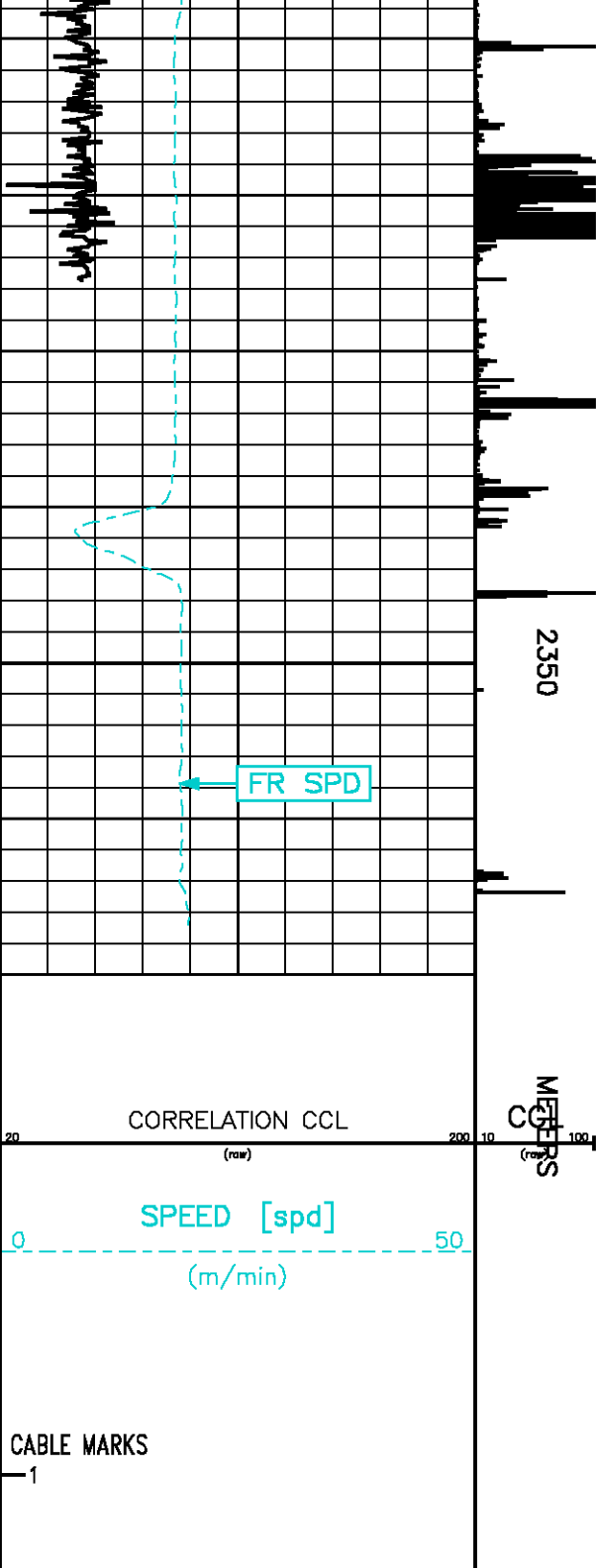
Oct
: k331e











GUN RUN 2

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/pass/pdi/k112b10.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 2095.995 m BOTTOM DEPTH: 2343.912 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
SPEED	FILTER ()	medium (1)		TOP	BOTTOM
	FILTER (.h)	medium (1)		"	"
TENSION	FILTER ()	medium (1)		"	"

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/pass/pdi/k331eR04.prm
 LOGGING MODE: DEPTH DIRECTION: UP
 TOP DEPTH: 18.669 m BOTTOM DEPTH: 2341.245 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
SPEED	FILTER ()	medium (1)		TOP	BOTTOM
TENSION	FILTER ()	medium (1)		"	"

SBT NORMALIZATION RESULTS

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS
SBT	CORR. FACTOR1	-4.375	dB/m
	CORR. FACTOR2	2.214	dB/m
	CORR. FACTOR3	0.931	dB/m
	CORR. FACTOR4	2.975	dB/m
	CORR. FACTOR5	0.018	dB/m
	CORR. FACTOR6	-1.764	dB/m
FILE: /dat1a/pass/pdi/k331eR04.sbt.qc.meta			

CURVE DESCRIPTION REPORT

CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:ACCLQK	CCL.K	Aug 26 21:32:16 2008	ANALOG (CONTINUOUS) CCL FOR SHOOTING
F2:CCL	CORR_CCL	Aug 24 08:55:30 2008	CASING COLLAR LOCATOR
F1:MDCNT	MDCNT	Aug 26 21:32:16 2008	NUMBER OF MAGNETIC MARKS DETECTED
F1:SPD	SPD	Aug 26 21:32:16 2008	SPEED
F1:TEN	TEN	Aug 26 21:32:16 2008	DIFFERENTIAL TENSION
F1:TEN	TEN	Aug 26 21:32:16 2008	TOTAL TENSION

CURVE MEASURE POINT OFFSET

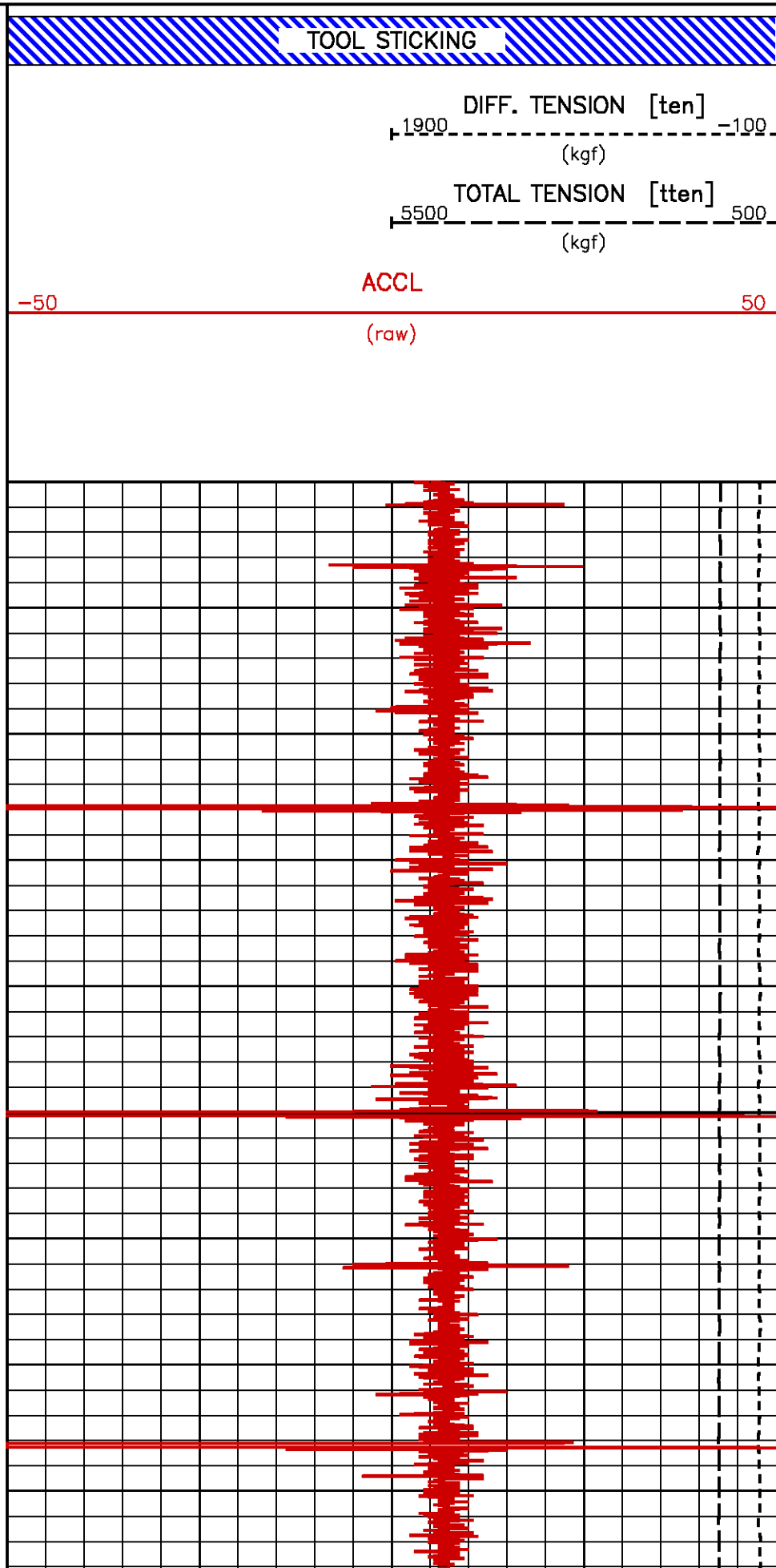
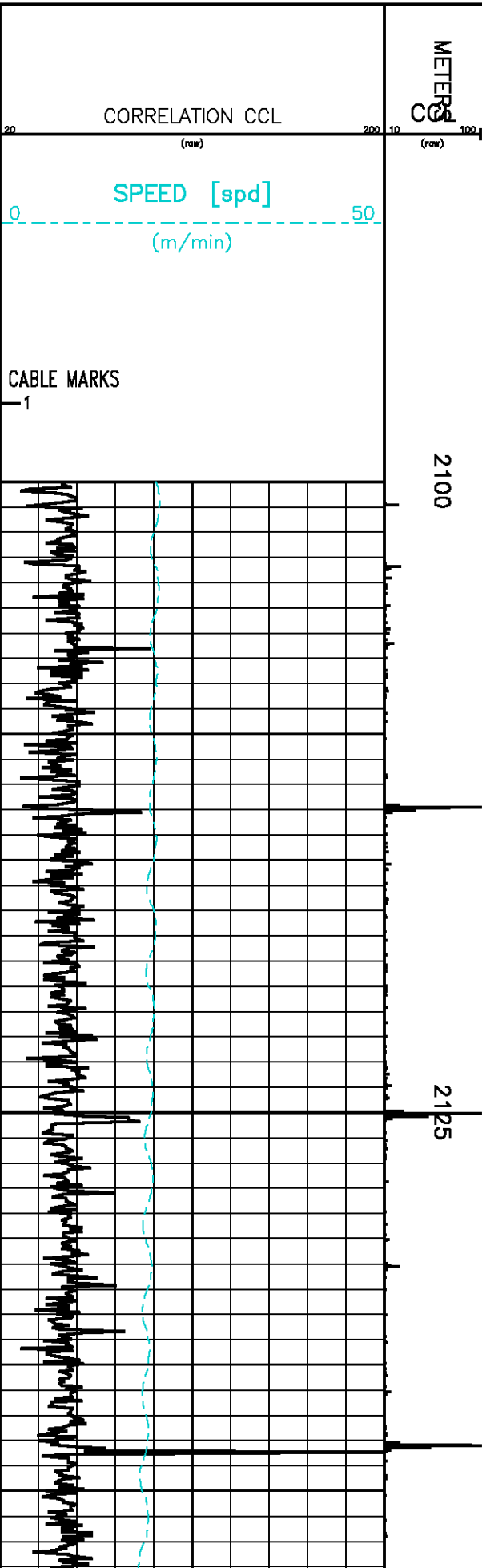
CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
ACCLQK	0.00	SPD	0.00	TEN	-0.38	TEN	-0.38

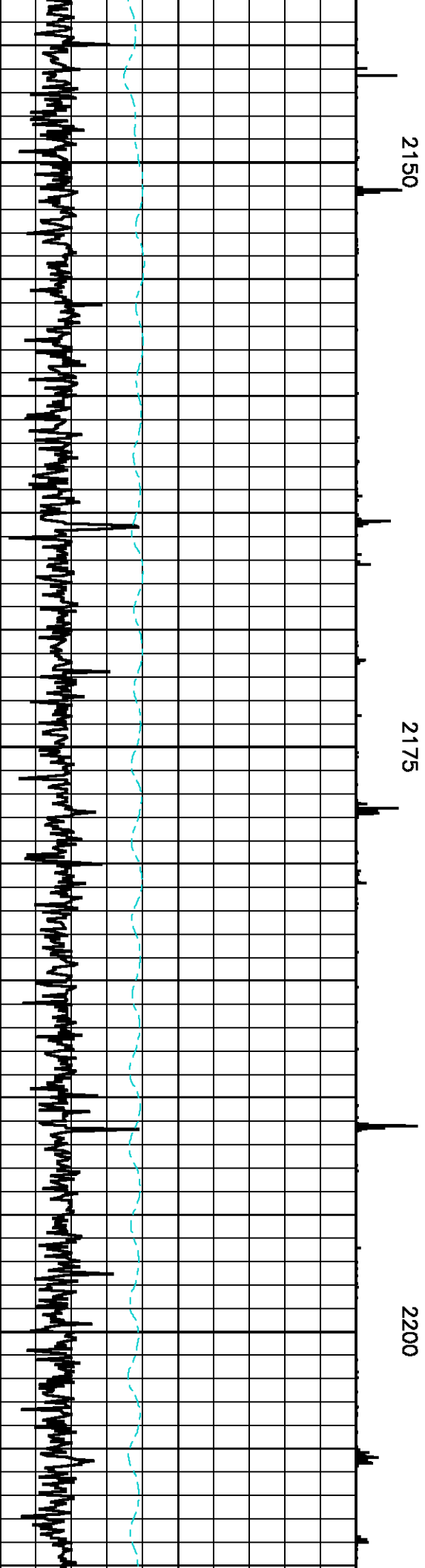
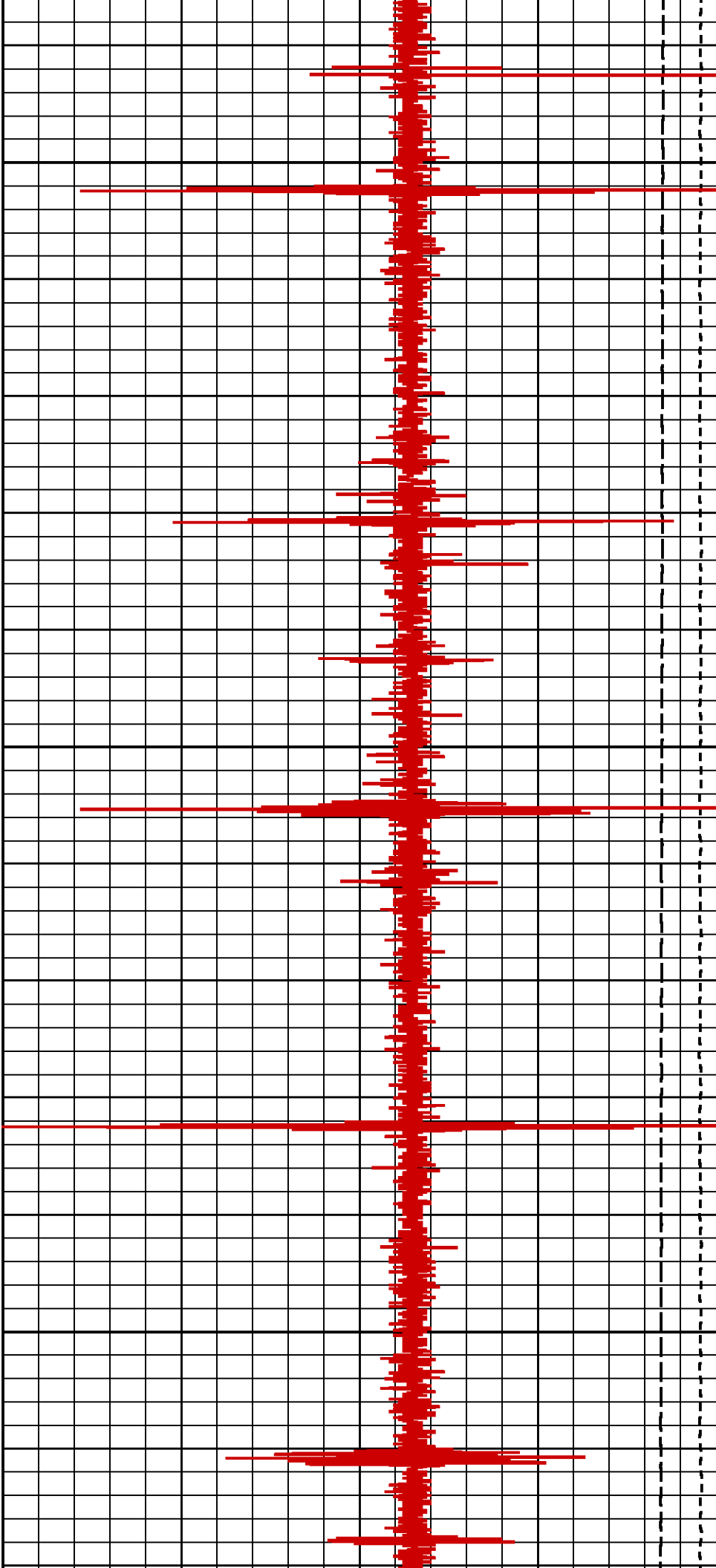
Presentation : cpu1:/dat1a/pass/pdi/PERF_GUN2.pdf [1:240 Scale]
 Plot Interval : 2100 - 2360 Meters

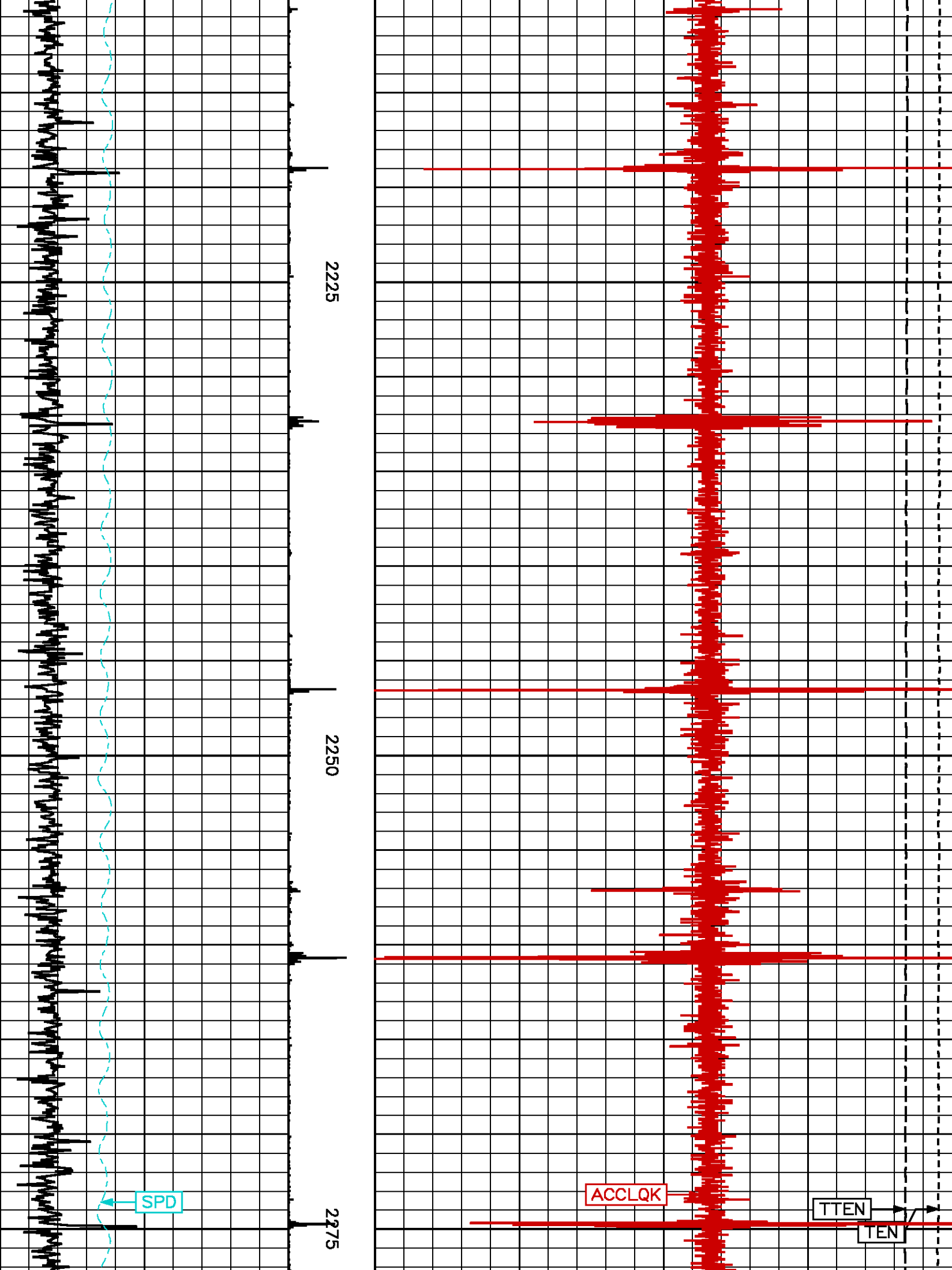
Data File 1 : F1 : cpu1:/dat1a/pass/pdi/k112b10.aff
 Created On : Aug 26 21:32:16 2008
 Company : PDI PRODUCTION
 Well : G.H.S. PAP #1 ST # 2
 Field : GAURDIAN HILLS SOUTH
 File Interval : 2095.86 - 2344.29 Meters
 Oct : k112b

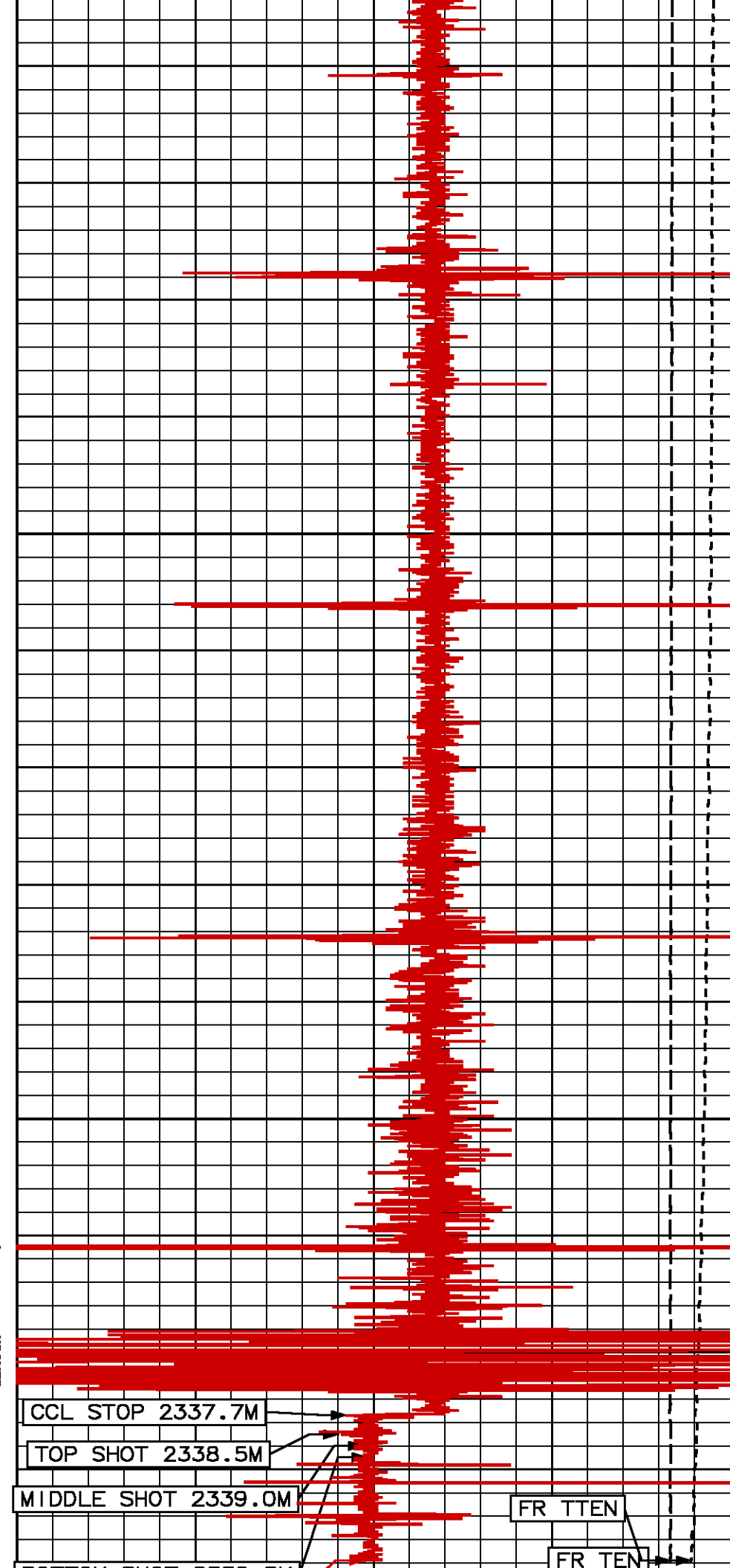
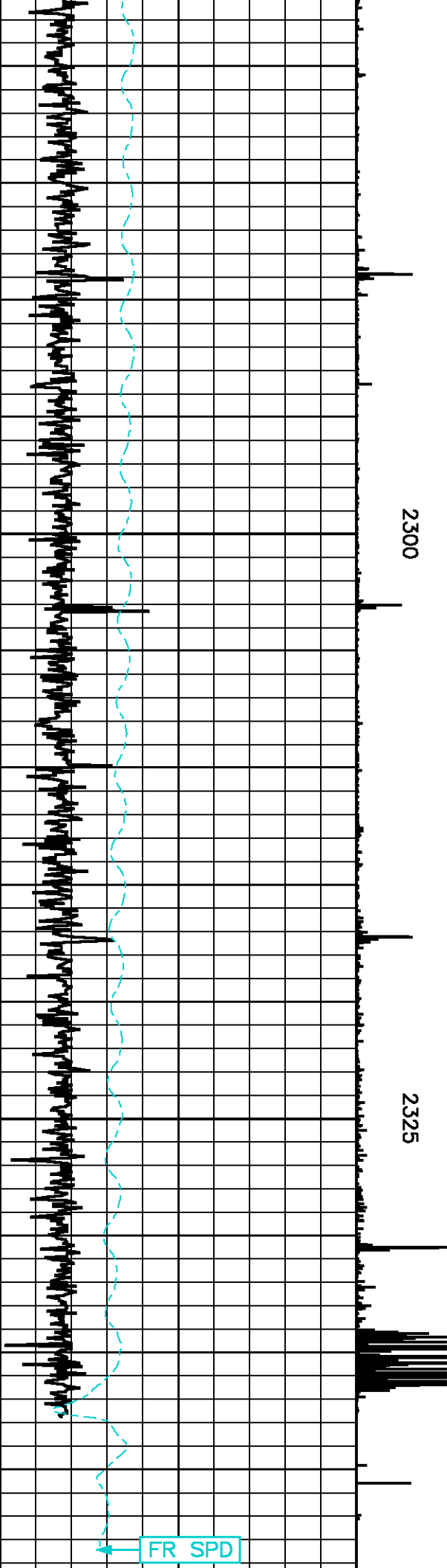
Data File 2 : F2 : cpu1:/dat1a/pass/pdi/k331eR04.aff
 Created On : Aug 24 08:55:30 2008
 Company : PDI PRODUCTION

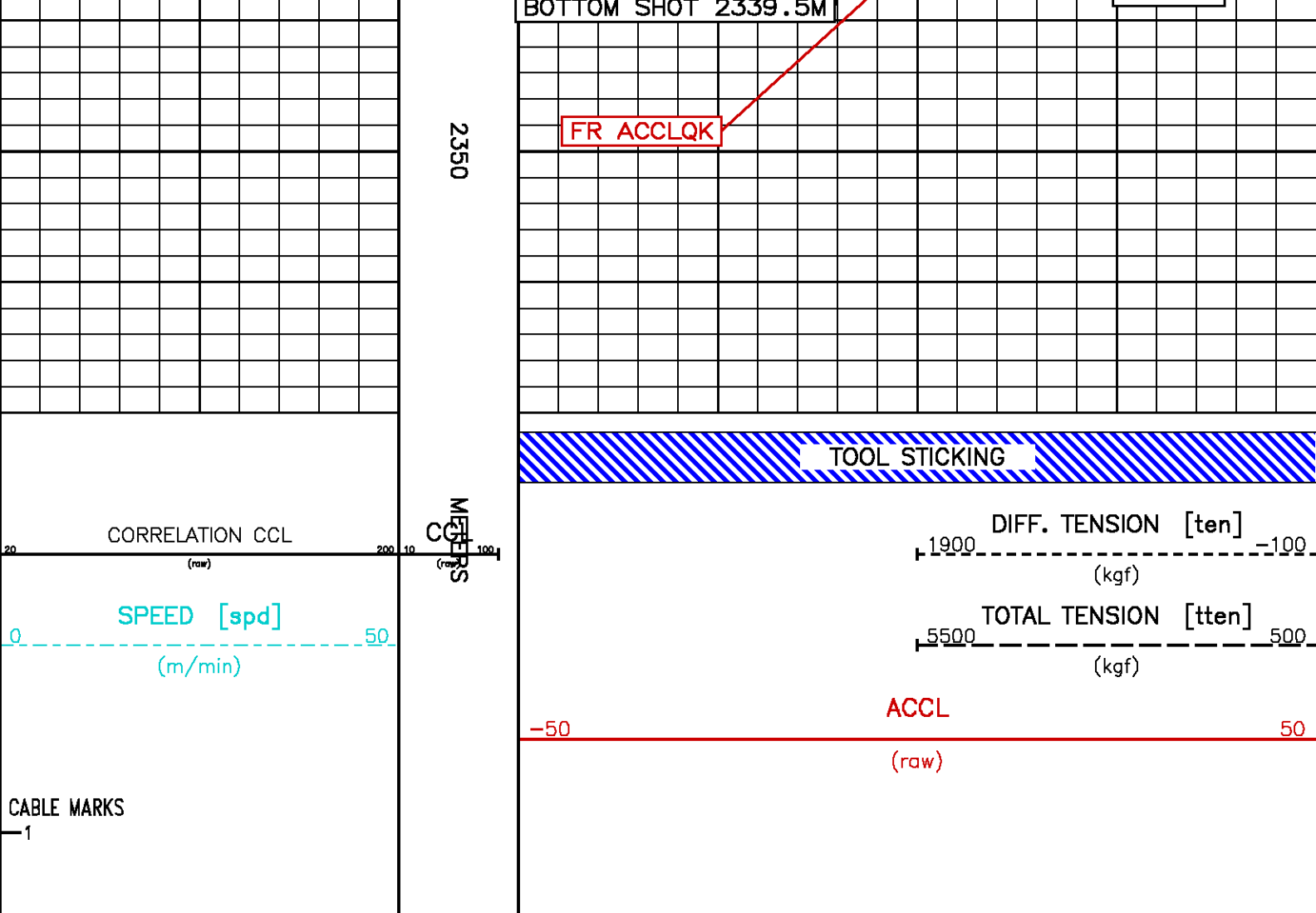
Company : PDI PRODUCTION
Well : PORT AU PORT #1
Field : PORT AU PORT
File Interval : 14.1731 - 2352.37 Meters
Oct : k331e











GUN RUN 3

ECLIPS 6.0i Feb 21, 2008
Patches: 1,3,4

Wed Aug 27 06:20:31 2008

Pcrplt /main/62

Cplot

Pdf_Cpp /main/16

Fileview 5.24

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/pass/pdl/k112b12.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 2080.508 m BOTTOM DEPTH: 2336.902 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
SPEED	FILTER ()	medium (1)		TOP	BOTTOM
	FILTER (.h)	medium (1)		"	"
TENSION	FILTER ()	medium (1)		"	"

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/pass/pdl/k331eR04.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 18.668 m BOTTOM DEPTH: 2341.245 m

BOTTOM DEPTH: 2341.243 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
SPEED TENSION	FILTER ()	medium (1)		TOP	BOTTOM
	FILTER ()	medium (1)		" "	" "

SBT NORMALIZATION RESULTS

MEASUREMENT	TYPE	PARAMETER	VALUE	UNITS
SBT		CORR. FACTOR1	-4.375	dB/m
		CORR. FACTOR2	2.214	dB/m
		CORR. FACTOR3	0.931	dB/m
		CORR. FACTOR4	2.975	dB/m
		CORR. FACTOR5	0.018	dB/m
		CORR. FACTOR6	-1.764	dB/m
	FILE: /data/pass/pdl/k331eR04.sbt.qc.meta			

CURVE DESCRIPTION REPORT

CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:ACCLQK	CCL.K	Aug 26 23:14:32 2008	ANALOG (CONTINUOUS) CCL FOR SHOOTING
F2:CCL	CORR_CCL	Aug 24 08:55:30 2008	CASING COLLAR LOCATOR
F1:MMDCNT	MMDCNT	Aug 26 23:14:32 2008	NUMBER OF MAGNETIC MARKS DETECTED
F1:SPD	SPD	Aug 26 23:14:32 2008	SPEED
F1:TEN	TEN	Aug 26 23:14:32 2008	DIFFERENTIAL TENSION
F1:TEN	TEN	Aug 26 23:14:32 2008	TOTAL TENSION

CURVE MEASURE POINT OFFSET

CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
ACCLQK	0.00	SPD	0.00	TEN	-0.38	TTEN	-0.38

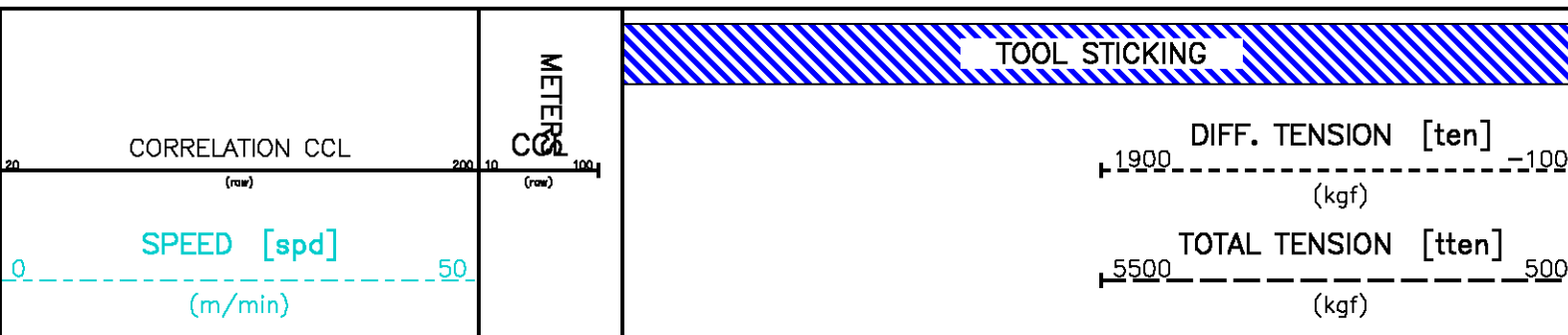
Presentation : cpu1:/dat1a/pass/pd1/PERF_GUN3.pdf [1:240 Scale]
Plot Interval : 2075 - 2350 Meters

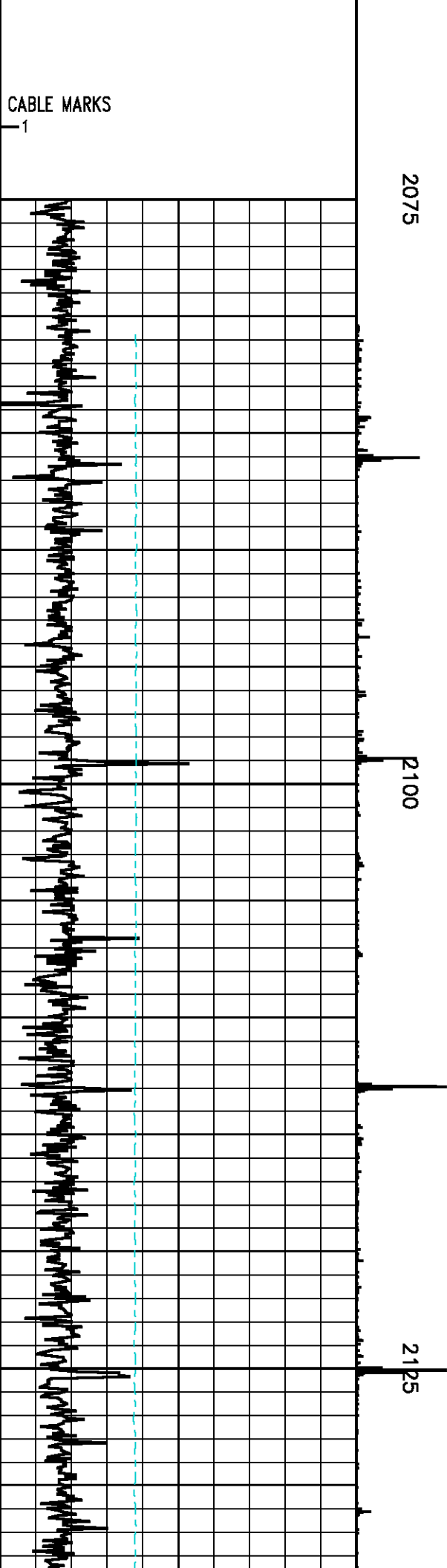
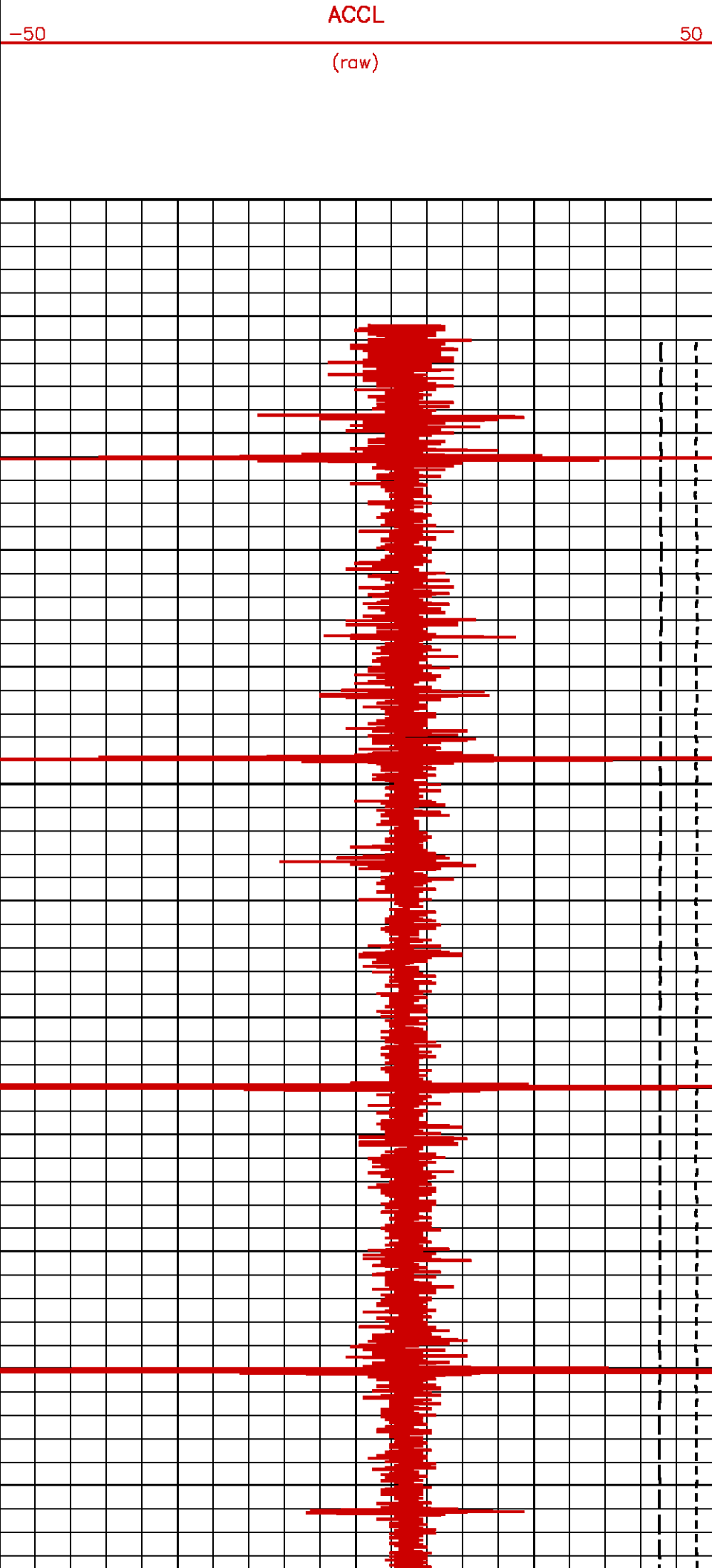
Data File 1 : F1 : cpu1:/dat1a/pass/pdi/k112b12.aff
Created On : Aug 26 23:14:32 2008
Company : PDI PRODUCTION
Well : G.H.S. PAP #1 ST # 2
Field : GAURDIAN HILLS SOUTH
File Interval : 2080.37 - 2337.28 Meters
Oct : k112b

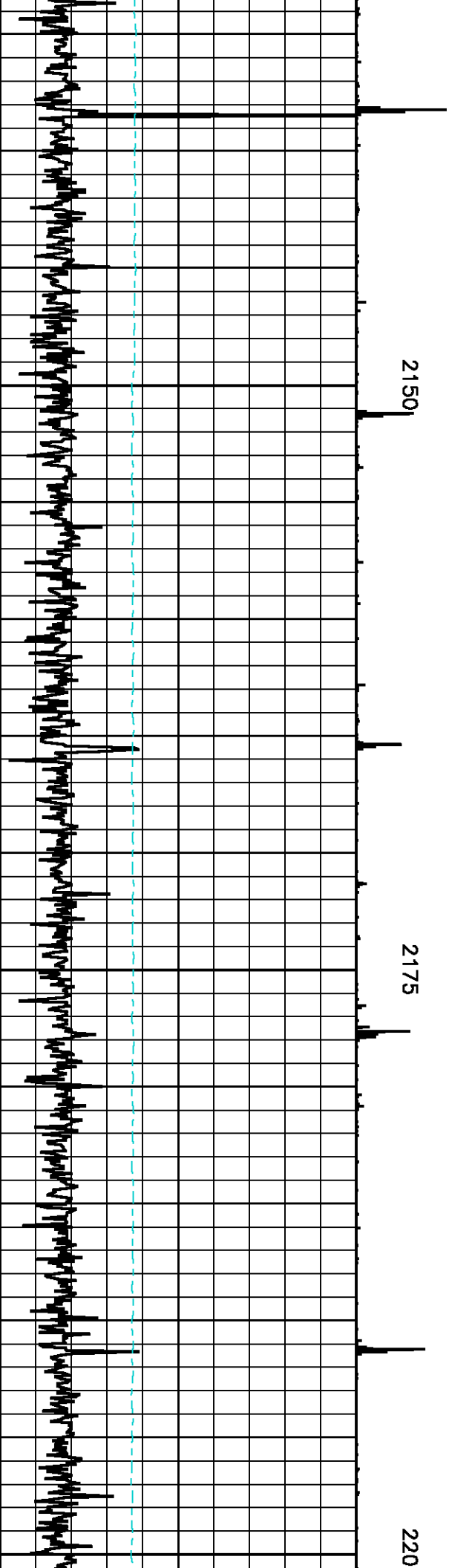
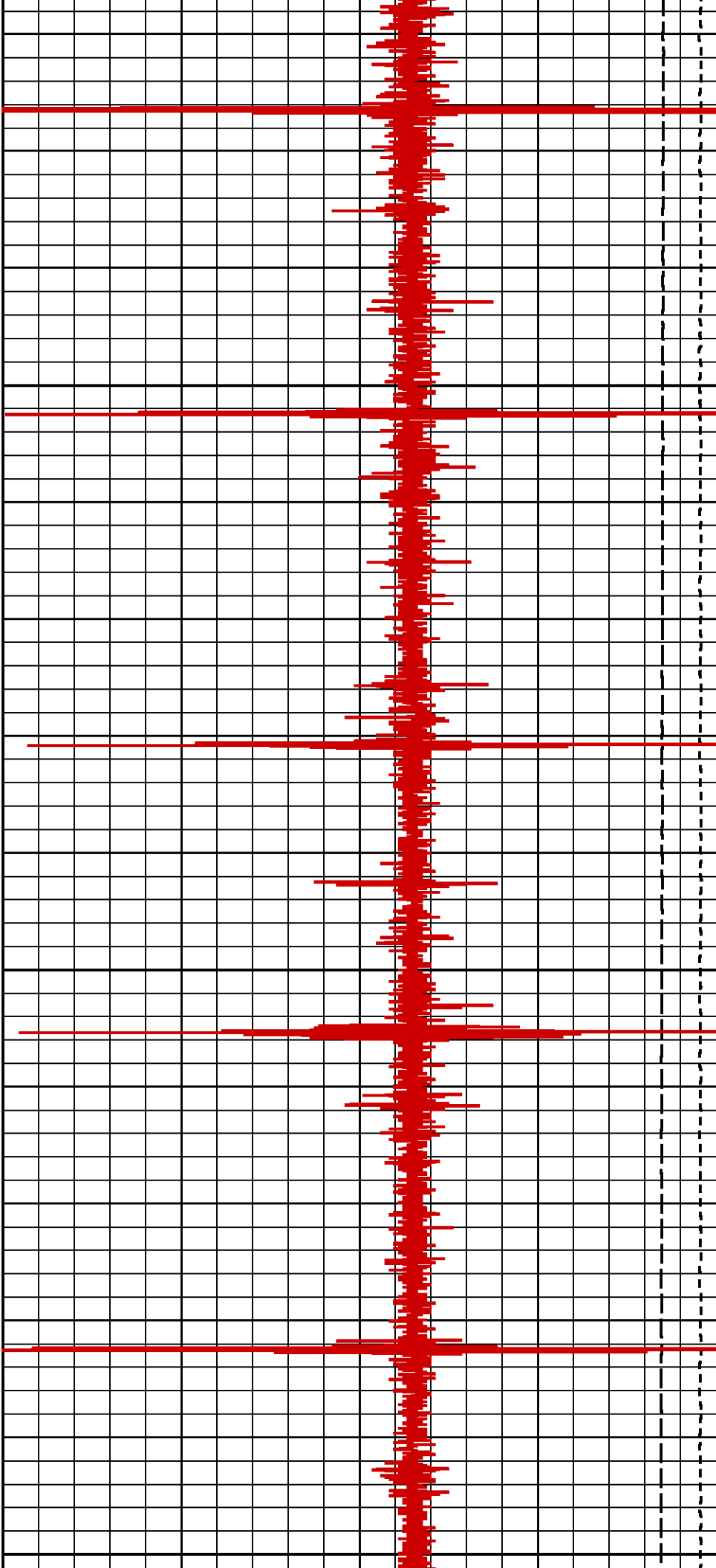
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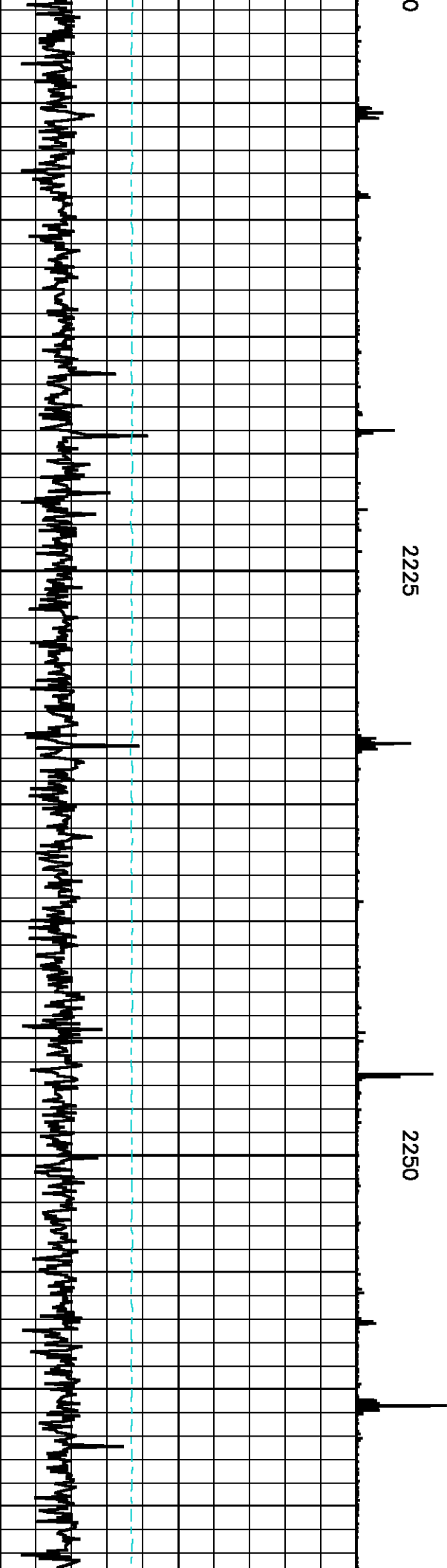
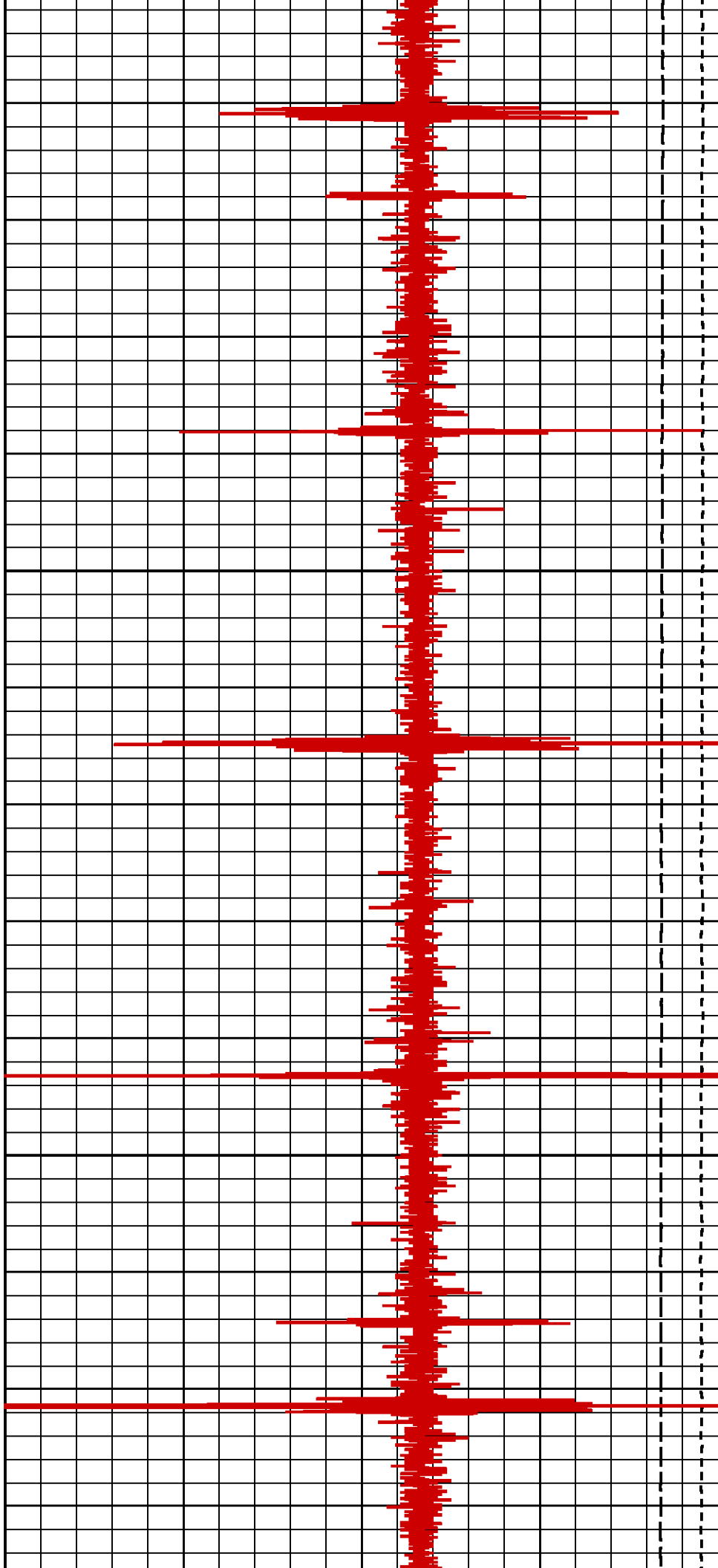
Data File 2      : F2 : cpu1:/dat1a/pass/pdl/k331aR04.aff
Created On       : Aug 24 08:55:30 2008
Company          : PDI PRODUCTION
Well            : PORT AU PORT #1
Field           : PORT AU PORT
File Interval    : 14.1731 - 2352.37 Meters
Oct             : k331a

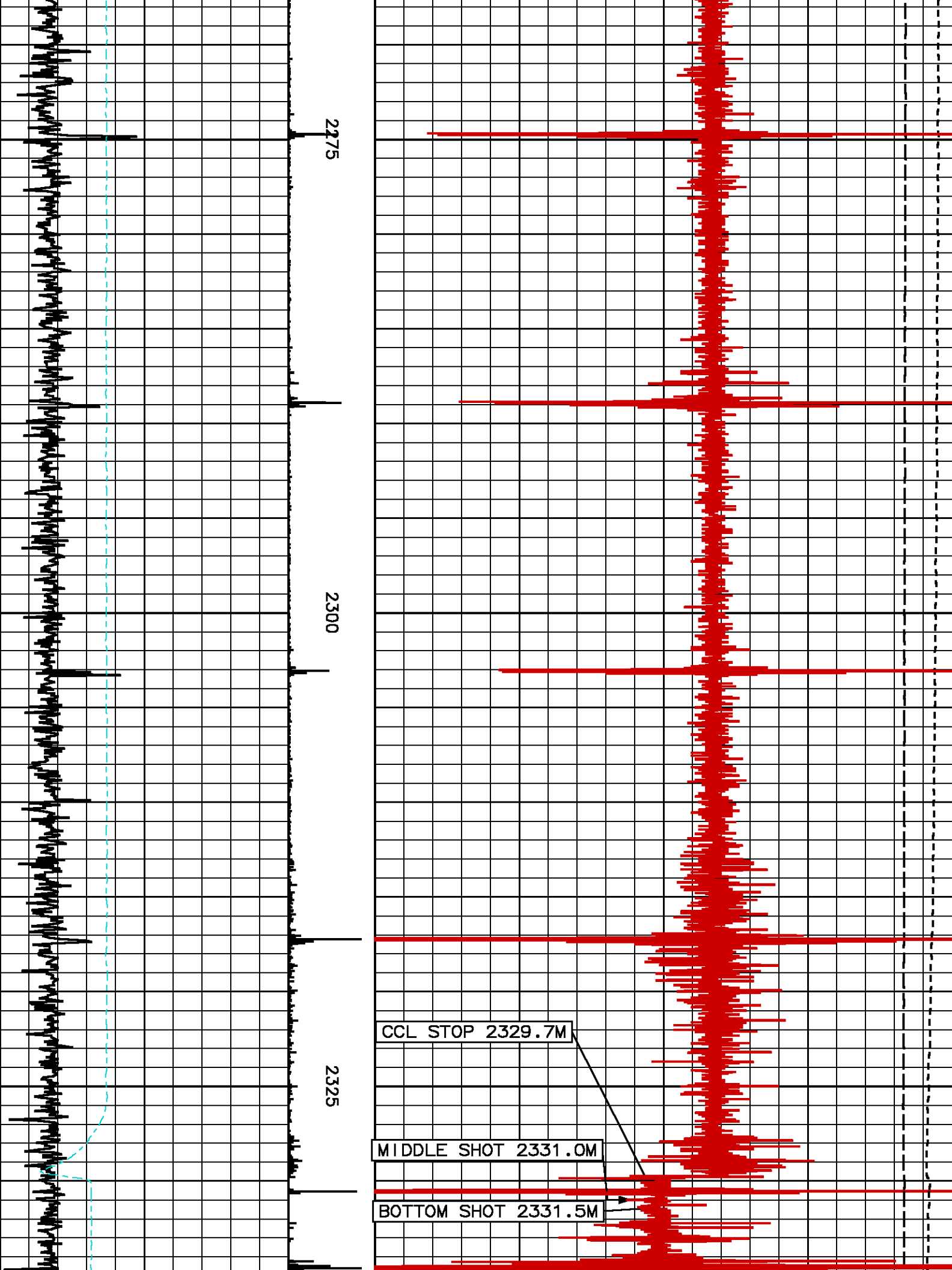
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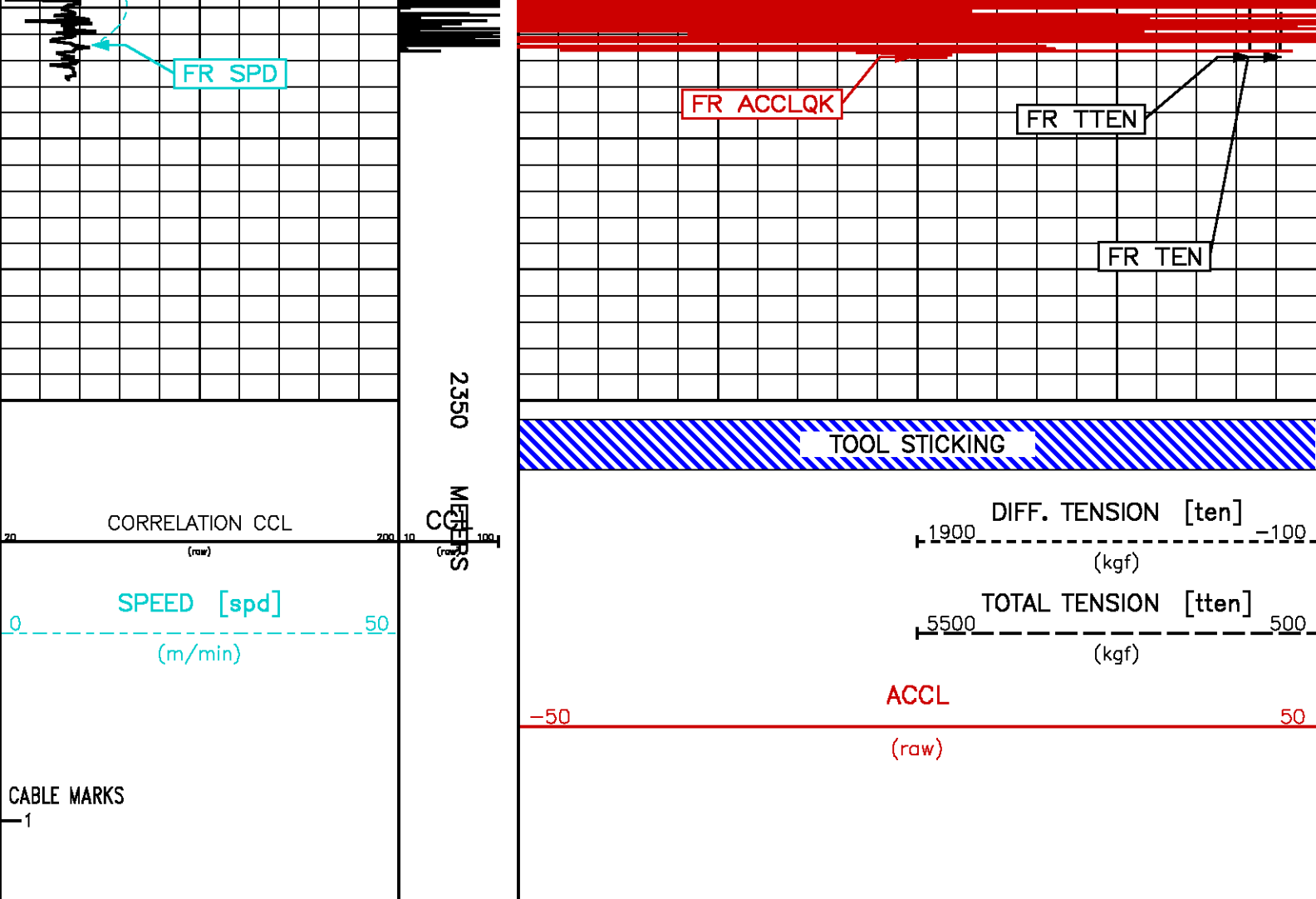












SQUEEZE PACKER

ECLIPS 6.0i Feb 21, 2008
Patches: 1,3,4

Wed Aug 27 06:32:21 2008

Pcrplt /main/62

Cplot

Pdf_Cpp /main/16

Fileview 5.24

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/pass/pdl/k112b18.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 2190.217 m BOTTOM DEPTH: 2333.225 m

SYMMETRIC FILTER

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)	
SPEED	FILTER ()	medium (1)		TOP	BOTTOM
	FILTER (.h)	medium (1)		"	"
	FILTER ()	medium (1)		"	"

PARAMETER AND FILTER SUMMARY REPORT

FILE: /dat1a/pass/pdl/k331eR04.prm
LOGGING MODE: DEPTH DIRECTION: UP
TOP DEPTH: 18.669 m BOTTOM DEPTH: 2341.245 m

SYMMETRIC FILTER				
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	INTERVAL (m)
SPEED TENSION	FILTER ()	medium (1)		TOP
	FILTER ()	medium (1)		BOTTOM

SBT NORMALIZATION RESULTS			
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS
SBT	CORR. FACTOR1	-4.375	dB/m
	CORR. FACTOR2	2.214	dB/m
	CORR. FACTOR3	0.931	dB/m
	CORR. FACTOR4	2.975	dB/m
	CORR. FACTOR5	0.018	dB/m
	CORR. FACTOR6	-1.764	dB/m
FILE: /dat1a/pass/pd1/k331eR04.sbt.qc.meta			

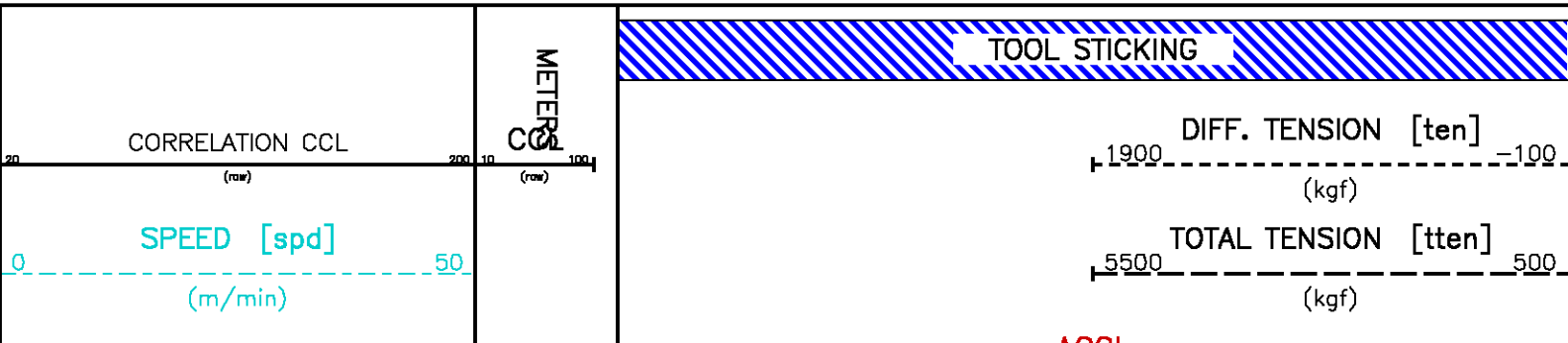
CURVE DESCRIPTION REPORT				
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION	
F1:ACCLQK	CCL.K	Aug 27 05:50:44 2008	ANALOG (CONTINUOUS) CCL FOR SHOOTING	
F2:CCL	CORR_CCL	Aug 24 08:55:30 2008	CASING COLLAR LOCATOR	
F1:MMDCNT	MMDCNT	Aug 27 05:50:44 2008	NUMBER OF MAGNETIC MARKS DETECTED	
F1:SPD	SPD	Aug 27 05:50:44 2008	SPEED	
F1:TEN	TEN	Aug 27 05:50:44 2008	DIFFERENTIAL TENSION	
F1:TTEN	TTEN	Aug 27 05:50:44 2008	TOTAL TENSION	

CURVE MEASURE POINT OFFSET							
CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
ACCLQK	0.00	SPD	0.00	TEN	-0.38	TTEN	-0.38

Presentation : cpu1:/dat1a/pass/pd1/PACKER.pdf [1:240 Scale]
Plot Interval : 2175 - 2337.74 Meters

Data File 1 : F1 : cpu1:/dat1a/pass/pd1/k112b18.aff
Created On : Aug 27 05:50:44 2008
Company : PDI PRODUCTION INC
Well : G.H.S. PAP #1 ST #2
Field : GARDEN HILLS SOUTH
File Interval : 2190.18 - 2333.62 Meters
Oct : k112b

Data File 2 : F2 : cpu1:/dat1a/pass/pd1/k331eR04.aff
Created On : Aug 24 08:55:30 2008
Company : PDI PRODUCTION
Well : PORT AU PORT #1
Field : PORT AU PORT
File Interval : 14.1731 - 2352.37 Meters
Oct : k331e



(row)

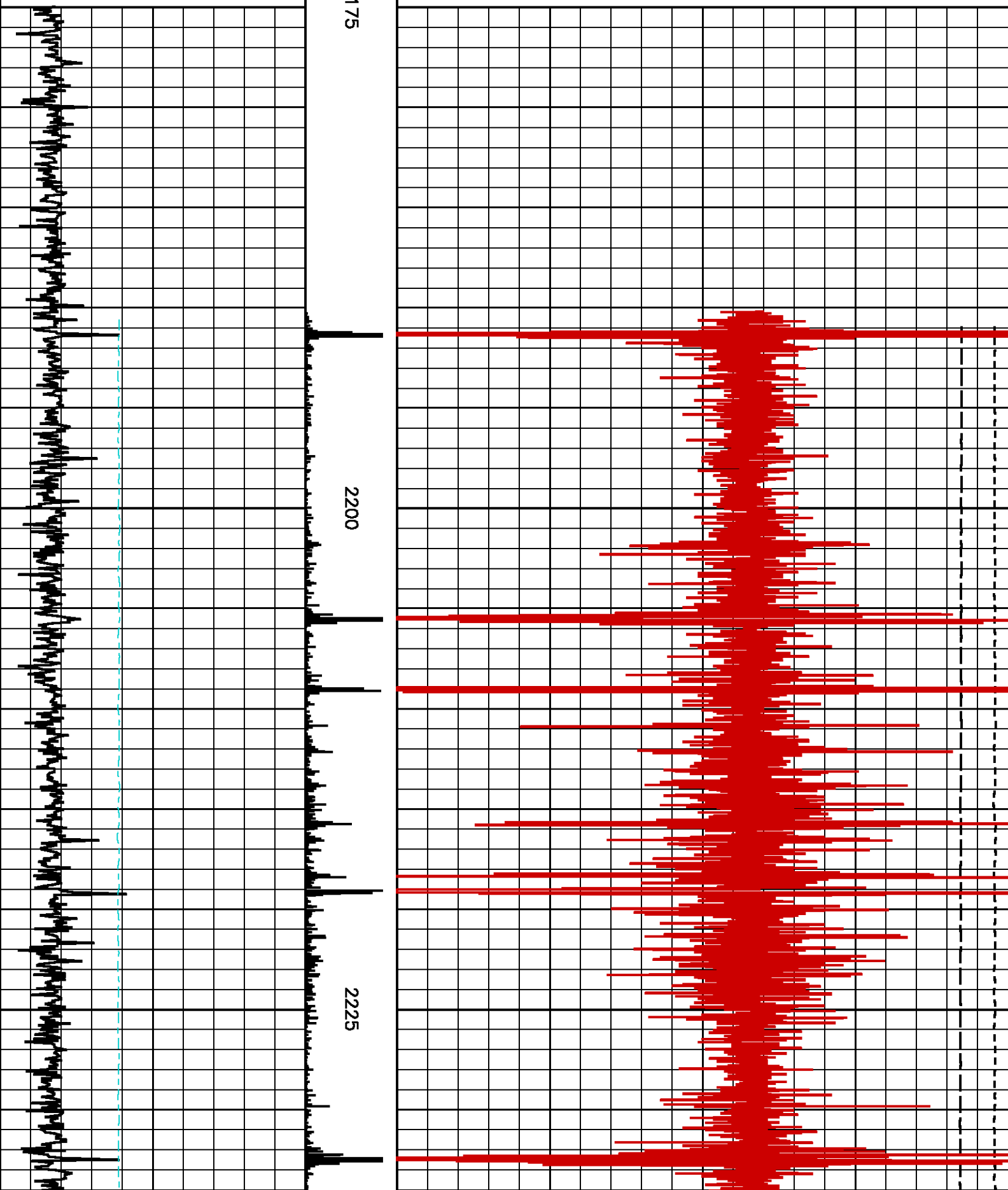
2175

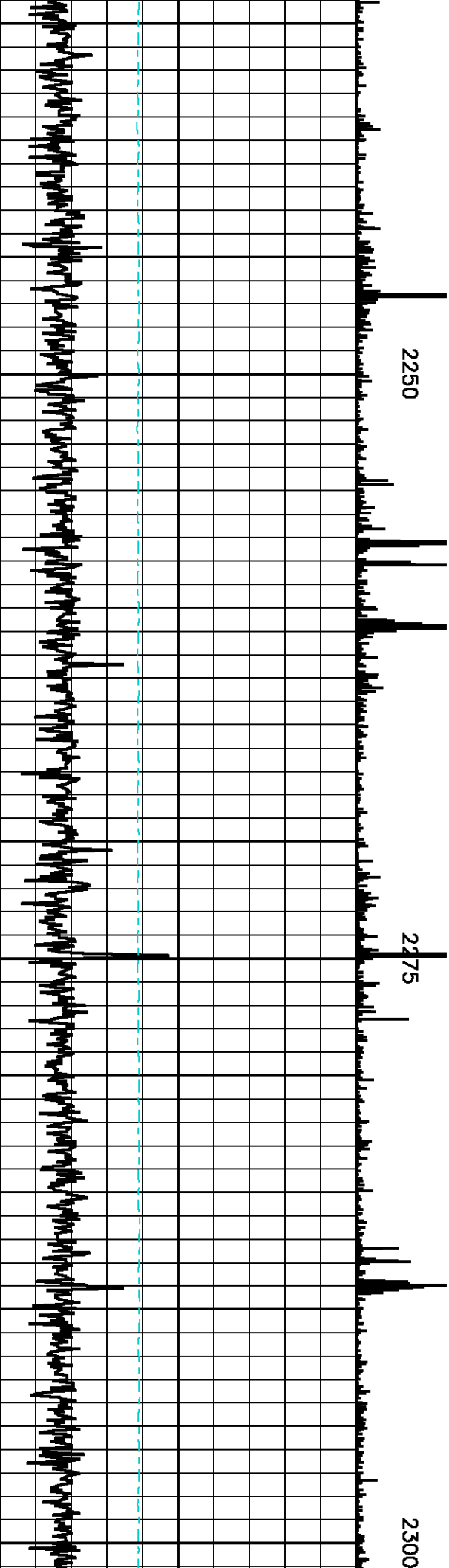
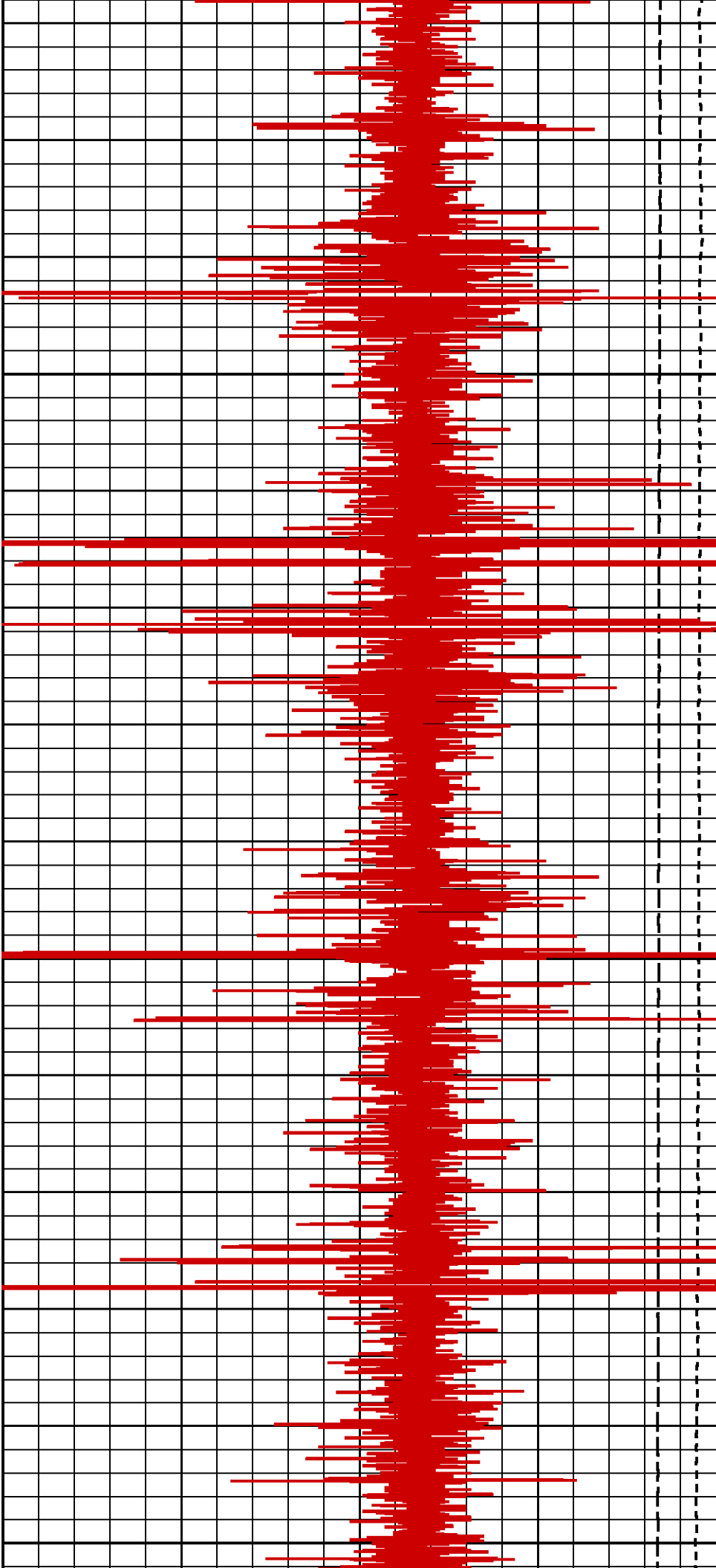
2200

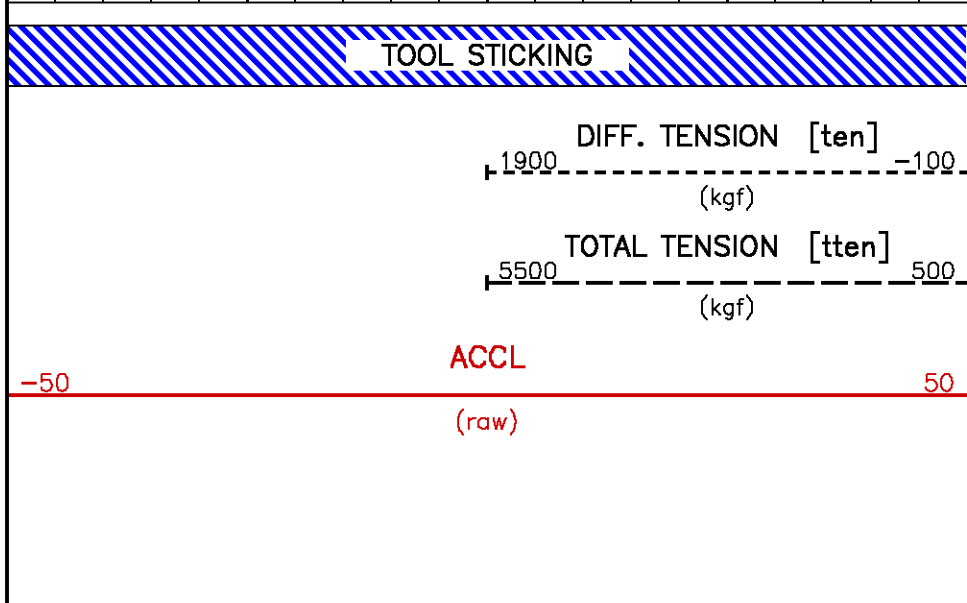
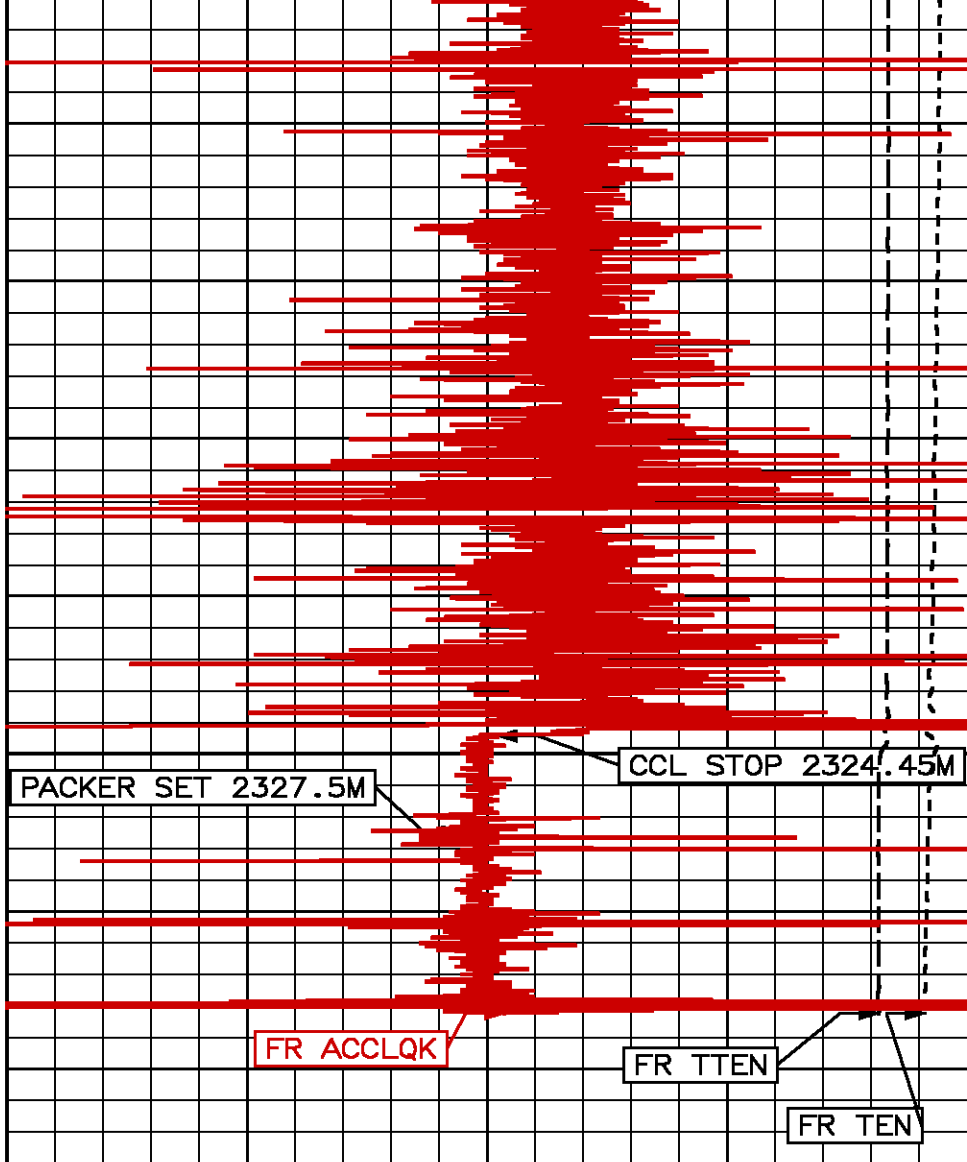
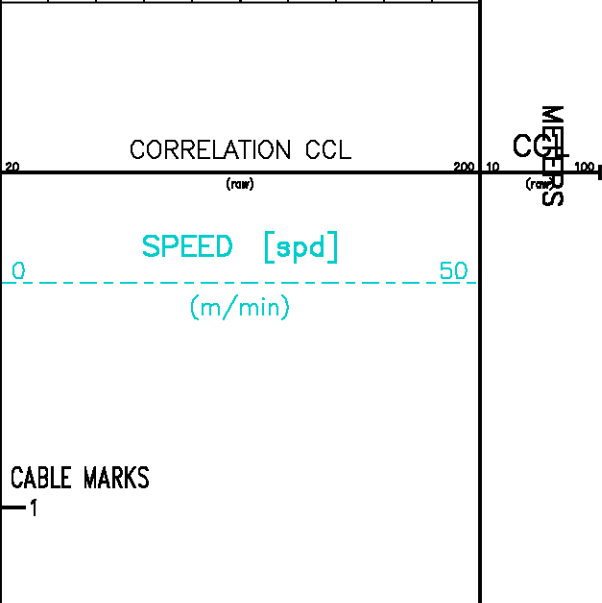
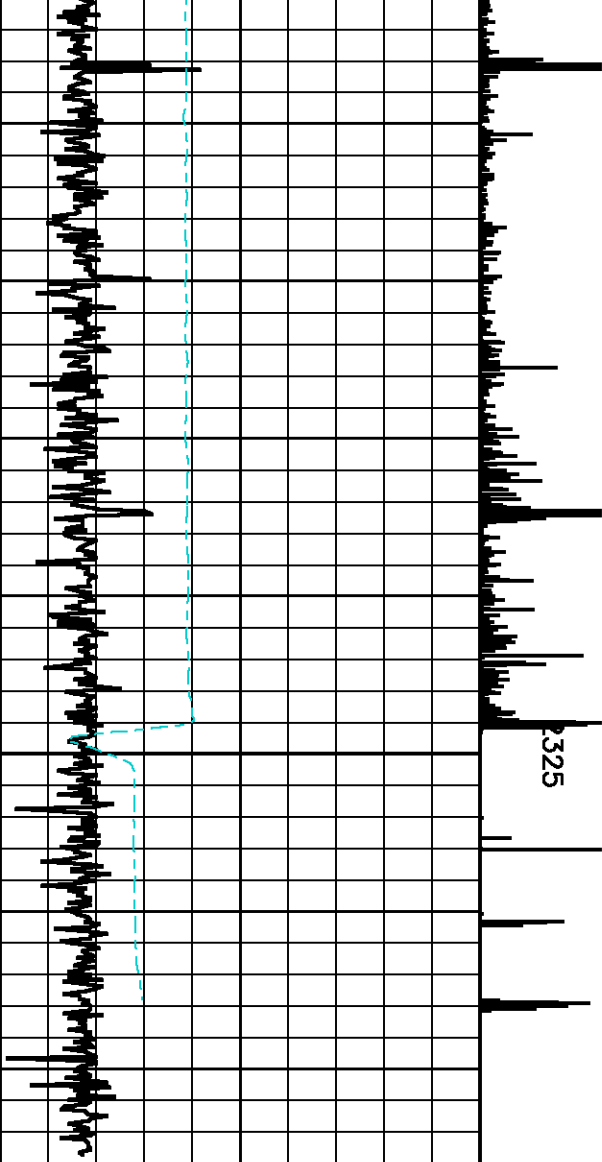
2225


CABLE MARKS

1







 Baker Atlas	COMPANY WELL FIELD PROVINCE		PDI PRODUCTION INC. G.H.S. PAP #1 ST#2 GARDEN HILLS SOUTH NEWFOUNDLAND	FILE NO: _____ API NO: _____
	LOCATION:		ELEVATIONS: KB 219.5 M	



LAT 59-13-35.319 W LONG 48-29-21.326 N

DF
GL 212.2 M

DATE 27-AUG-2008