COMPANY: Lamont Doherty

WELL: ODP Leg 190, Site 1173A

FIELD: Nankai Trough

Country: Japan Ocean: Pacific

Country: Japan
Field: Nankai Trough
Location: Rig: Joides Resolution
Well: ODP Leg 190, Site 1173A
Company: Lamont Doherty

Schlumberger

Dipole Sonic Shear-HNGS

LOCATION

Rig: Joides Resolution
Nankai Trough

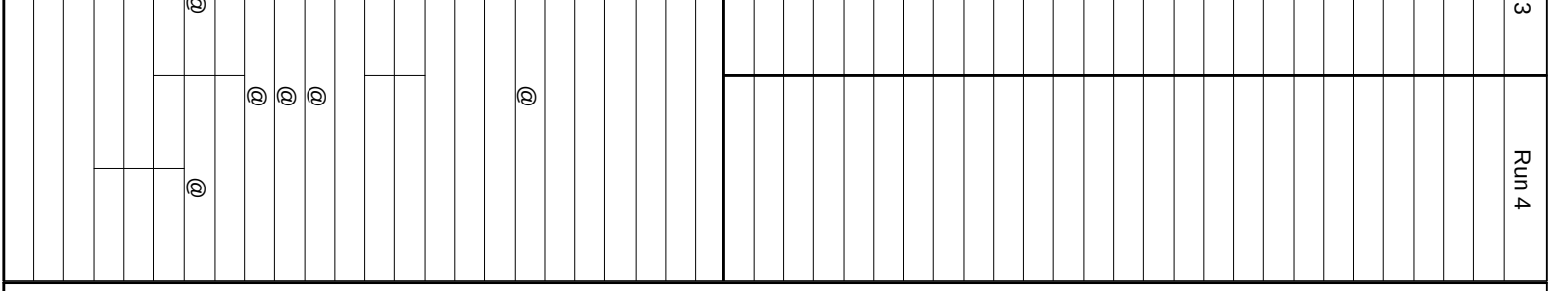
Elev.: K.B. 11.3 m
G.L. -4801.9 m
D.F. 11 m

Permanent Datum: MSL Elev.: 0 m
Log Measured From: DES 11.3 m above Perm. Datum
Drilling Measured From: DES

API Serial No.	SECTION	TOWNSHIP	RANGE

Logging Date	June-6-2000	
Run Number	1	
Depth Driller	5536.2 m	
Schlumberger Depth	5178 m	
Bottom Log Interval	5177 m	
Top Log Interval	4858 m	
Casing Driller Size @ Depth	0.000 in @ 4865 m	@
Casing Schlumberger	4865 m	
Bit Size	9.875 in	
Type Fluid In Hole	Barite Mud	
MUD Density / Viscosity	1.03 g/cm3	
MUD Fluid Loss / PH		
MUD Source Of Sample		
RM @ Measured Temperature	0.230 ohm.m @ 16 degC	@
RMF @ Measured Temperature	@	@
RMC @ Measured Temperature	@	@
Source RMF / RMC		
RM @ MRT / RMF @ MRT	2.268 @ 18 / @ 18	@ / @
Maximum Recorded Temperatures	18 degC	
Circulation Stopped Time	June-5-2000	
Logger On Bottom Time	June-6-2000 see log	
Unit Number / Location	99 Houston-ODP	
Recorded By	Steve Kittredge	
Witnessed By	Harold Tobin	

	Run 1	Run 2	Run



ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS AND WE CANNOT, AND DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATIONS, AND WE SHALL NOT, EXCEPT IN THE CASE OF GROSS OR WILLFUL NEGLIGENCE ON OUR PART, BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COSTS, DAMAGES OR EXPENSES INCURRED OR SUSTAINED BY ANYONE RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR OFFICERS, AGENTS OR EMPLOYEES. THESE INTERPRETATIONS ARE ALSO SUBJECT TO CLAUSE 4 OF OUR GENERAL TERMS AND CONDITIONS AS SET OUT IN OUR CURRENT PRICE SCHEDULE.

OTHER SERVICES1	OTHER SERVICES2
OS1: DITE/HLDS	OS1:
OS2: APS/HNGS	OS2:
OS3:	OS3:
OS4:	OS4:
OS5:	OS5:

REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
Hole Cored with APC/XCB	
Toolstring- MESTB/NGTC/DSI.	
Log Measured in Meters Below Rig Floor (MBRF).	
Total Depth Logger- 5182.8 MBRF.	
Could not get past a ledge at 5178 MBRF.	
WHC used on both runs.	
Drill Pipe set at 4865 MBRF.	

RUN 1

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

LOGGED INTERVAL	START	STOP

RUN 2

SERVICE ORDER #:
PROGRAM VERSION:
FLUID LEVEL:

LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1 RUN 2

SURFACE EQUIPMENT

GSR-U
WITM (DTS)-A

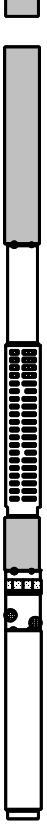
DOWNHOLE EQUIPMENT

LEH-QT
LEH-QT — 31.45

DTC-H
ECH-KC 8253
CTEM
TelStatus
ToolStatu — 30.28 / 29.64 — 30.56

AH-CMEAY
AH-CMEAY 765 — 29.64

DSST-B 28.35
SPAC-B 18
ECH-SD 18
SMDR-BD 8070
SSIJ-BA 65
SMDX-AA 8026



PWF 12.81

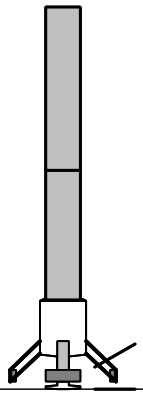
AH-CMEAY 12.81
AH-CMEAY 764

DTA-A 11.52
ECH-KE 8261
DTA-A 8261

NGT-C 10.30
NGD-A 1736
NGH-B 3
NGC-C 1921
NGCH-A 752

Detector 9.92

MEST-B 7.68
MEAH-B 701
MEAC-A 833
MEPH-A 701
GPIC-A 719
MEPC-AB
MEDS-B 702



MEDR MEAC
MEPC MEDS-B 0.46
HV DF
Tension GPIT 0.00
TOOL ZERO

MAXIMUM STRING DIAMETER 3.63 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Input DLIS Files

DEFAULT	MESTB .028	FN:35 PRODUCER	06-Jun-2000 15:41	5182.2 M	4857.9 M

OP System Version: 9C1-303

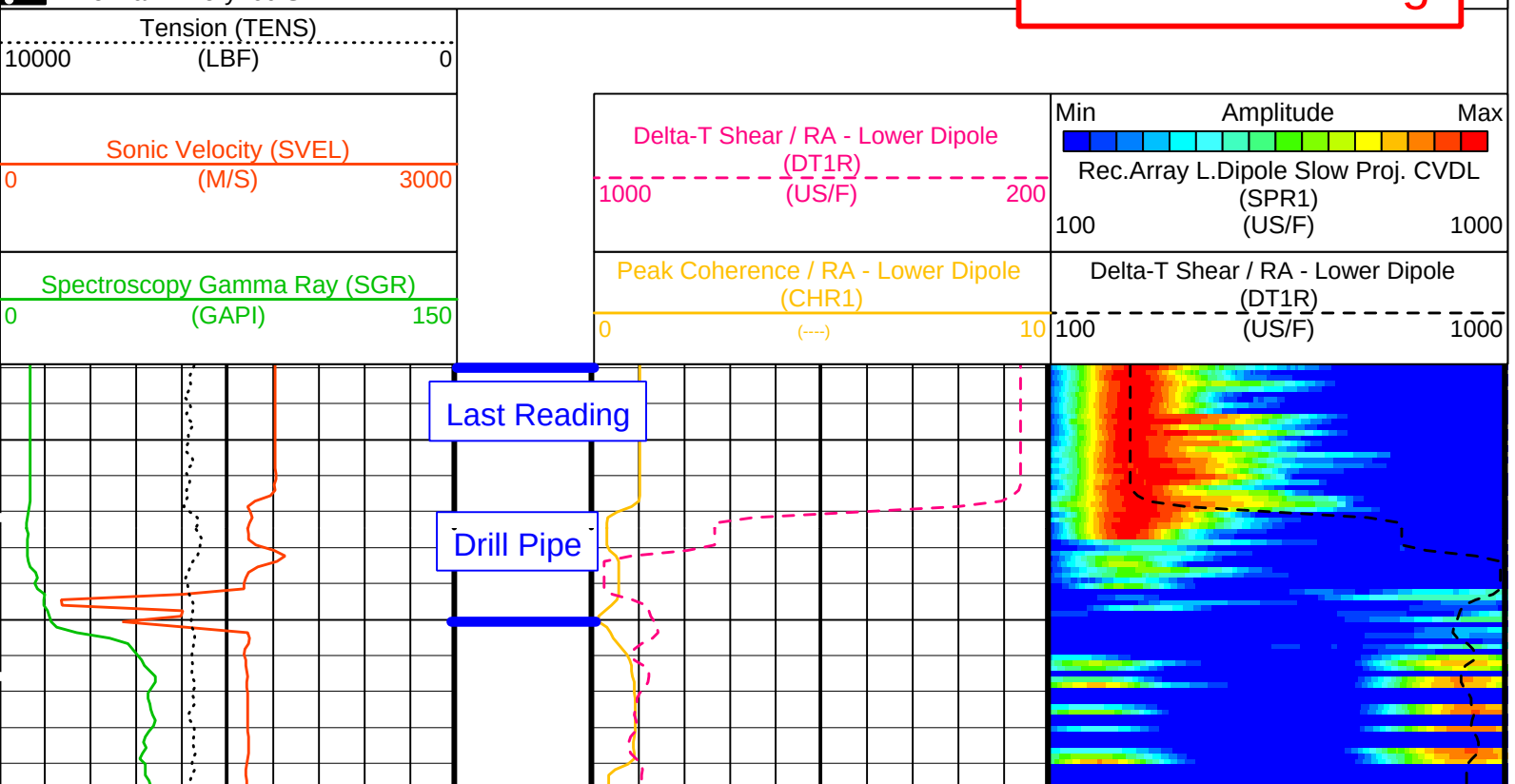
MCM

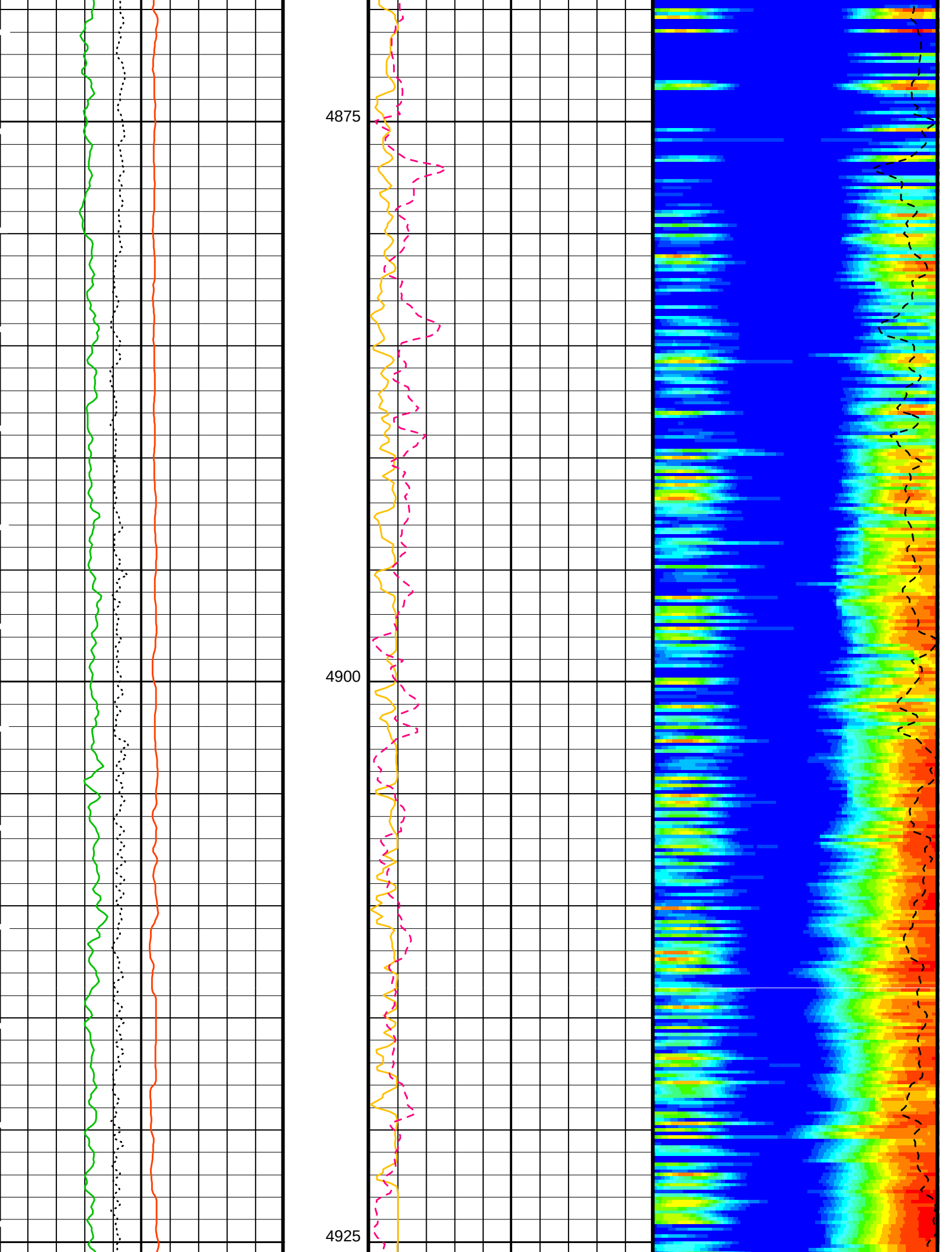
MEST-B	9C1-303	NGT-C	9C1-303
DTA-A	9C1-303	DSST-B	9C1-303
DTC-H	9C1-303		

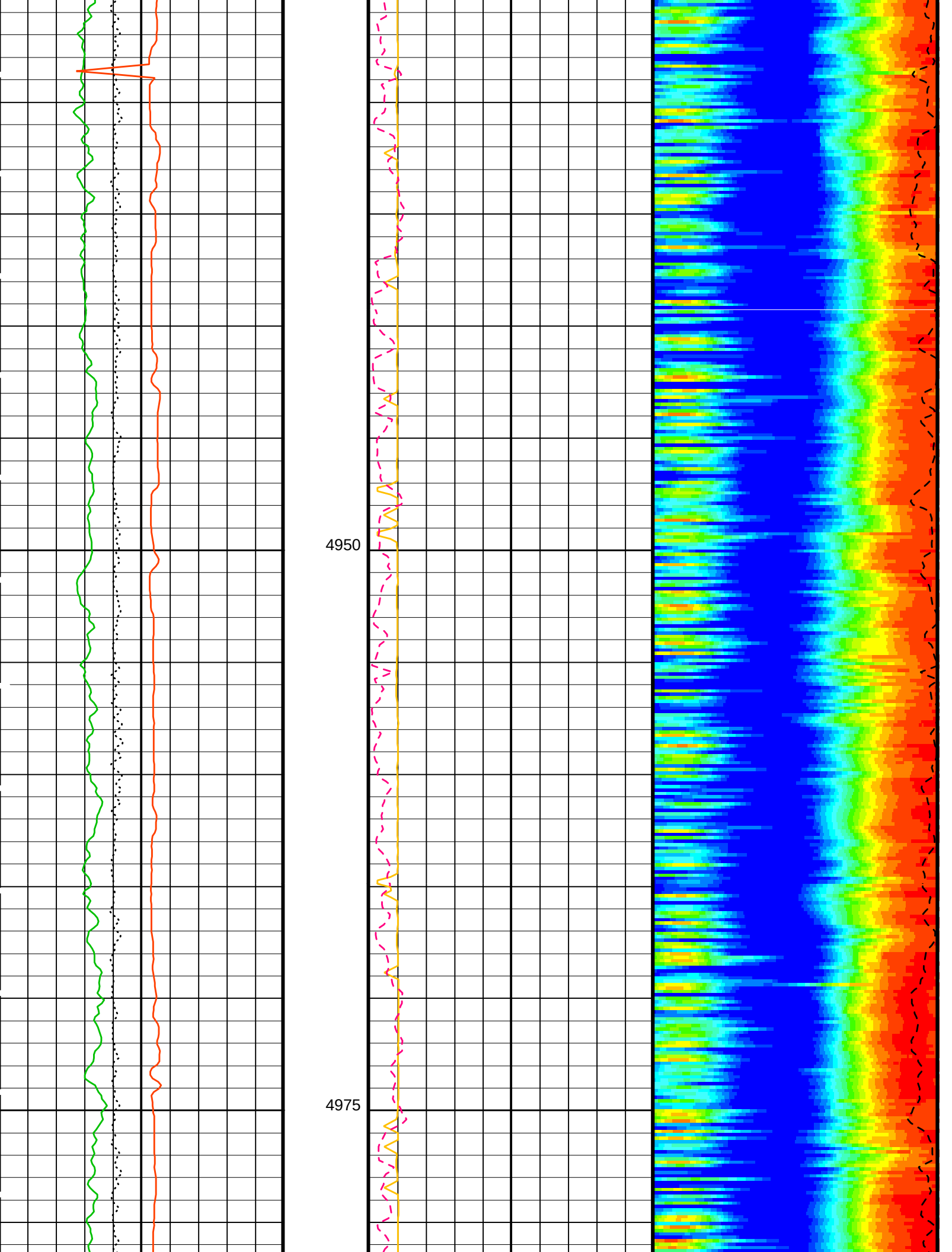
PIP SUMMARY

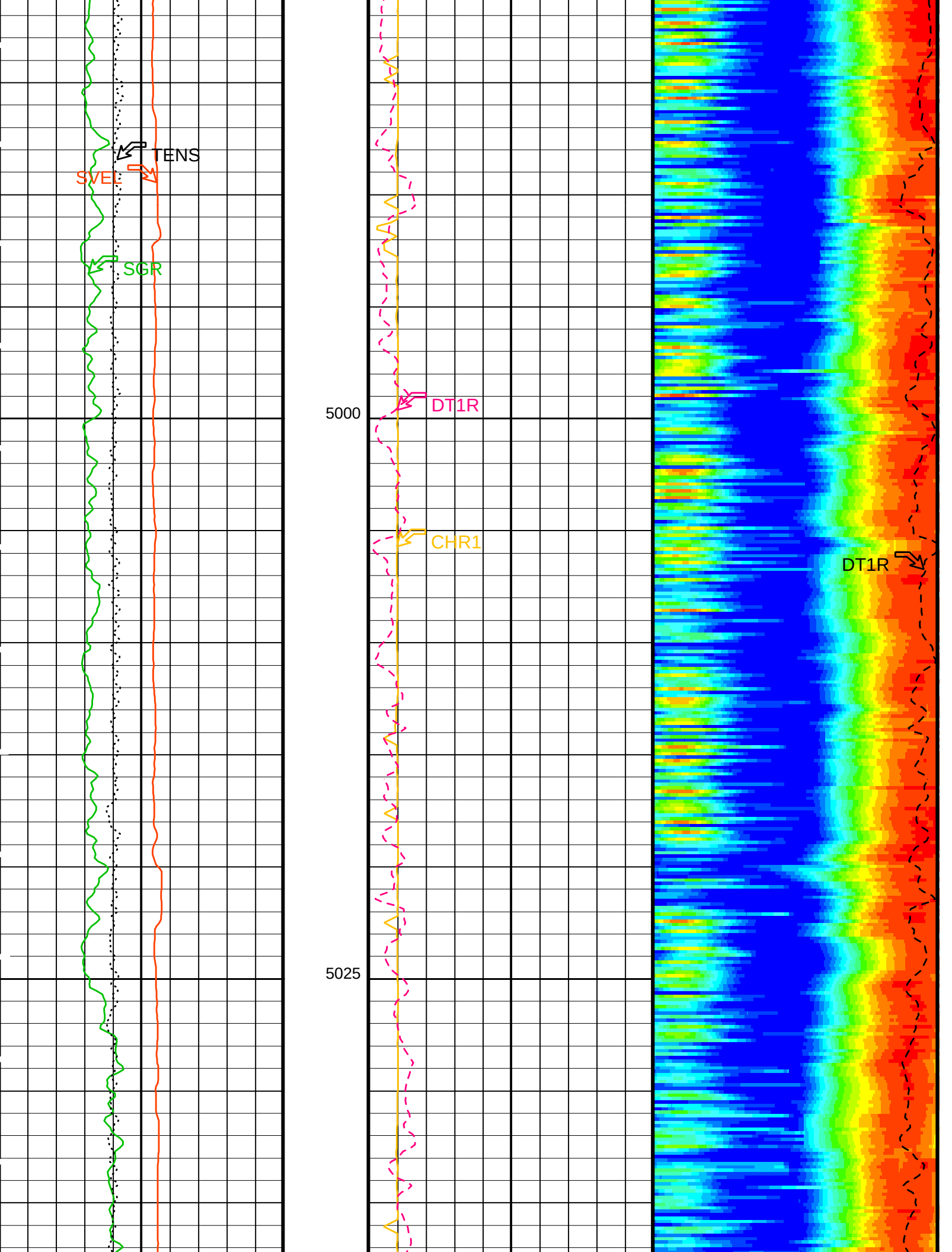
Time Mark Every 60 S

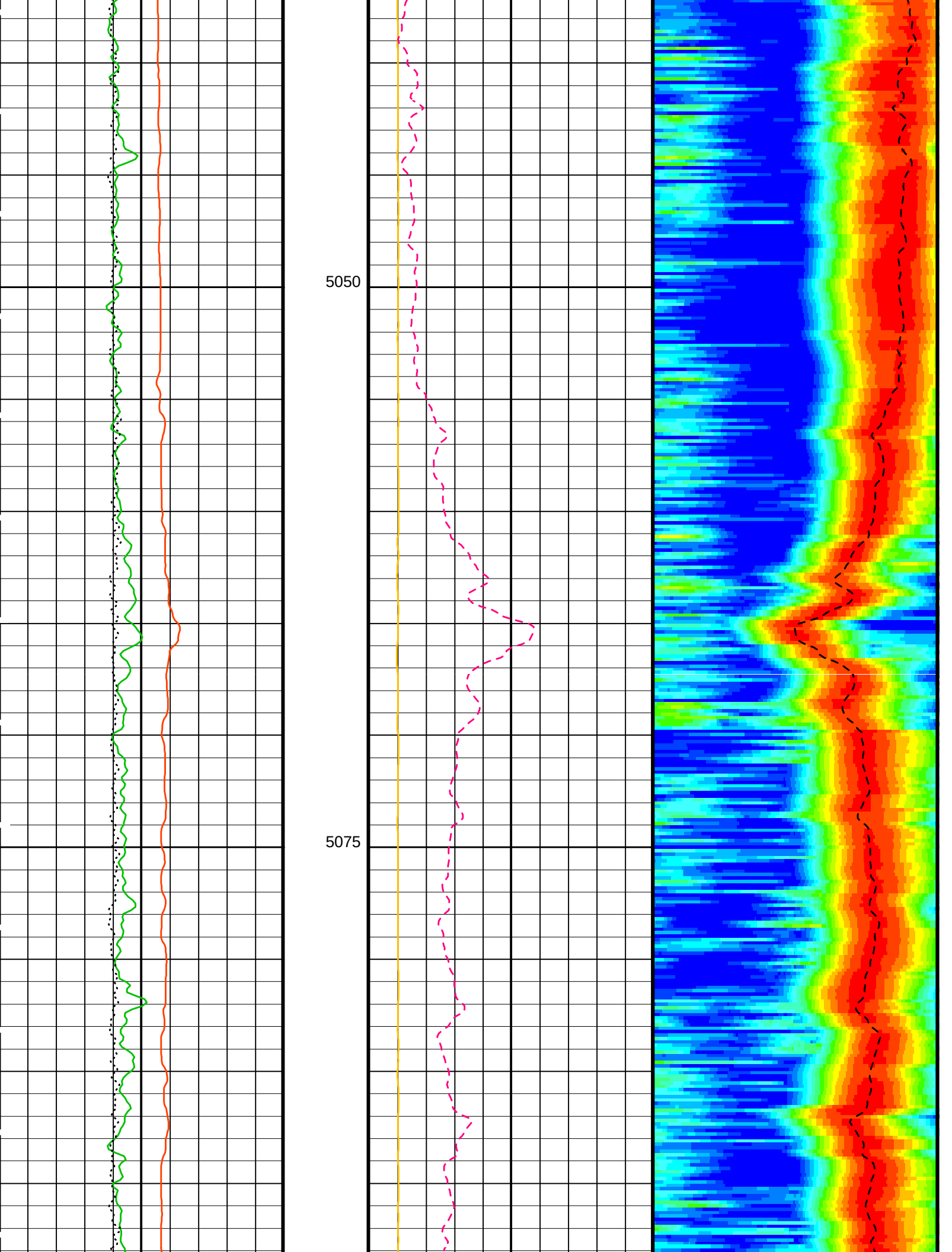
Pass #2 UP Log

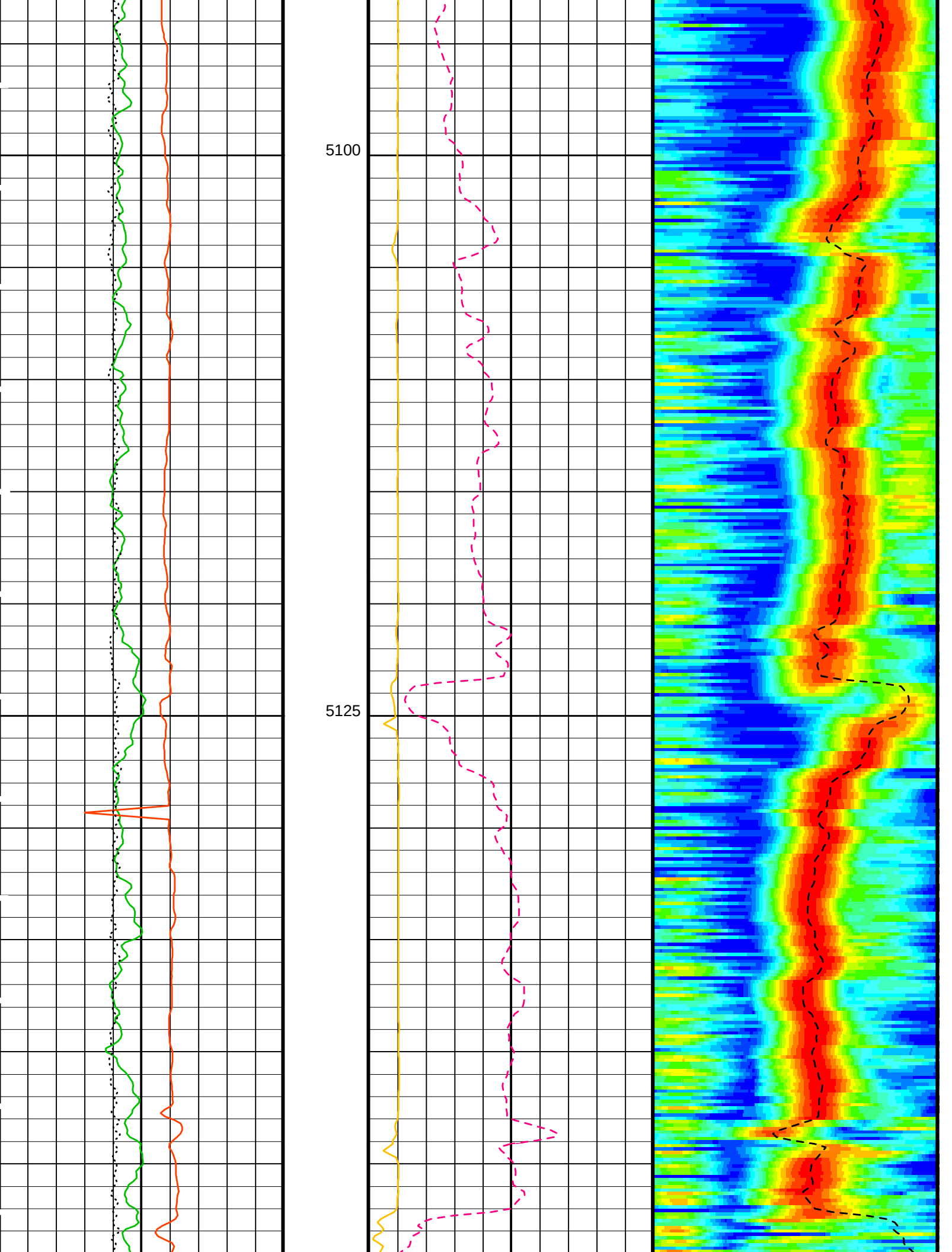


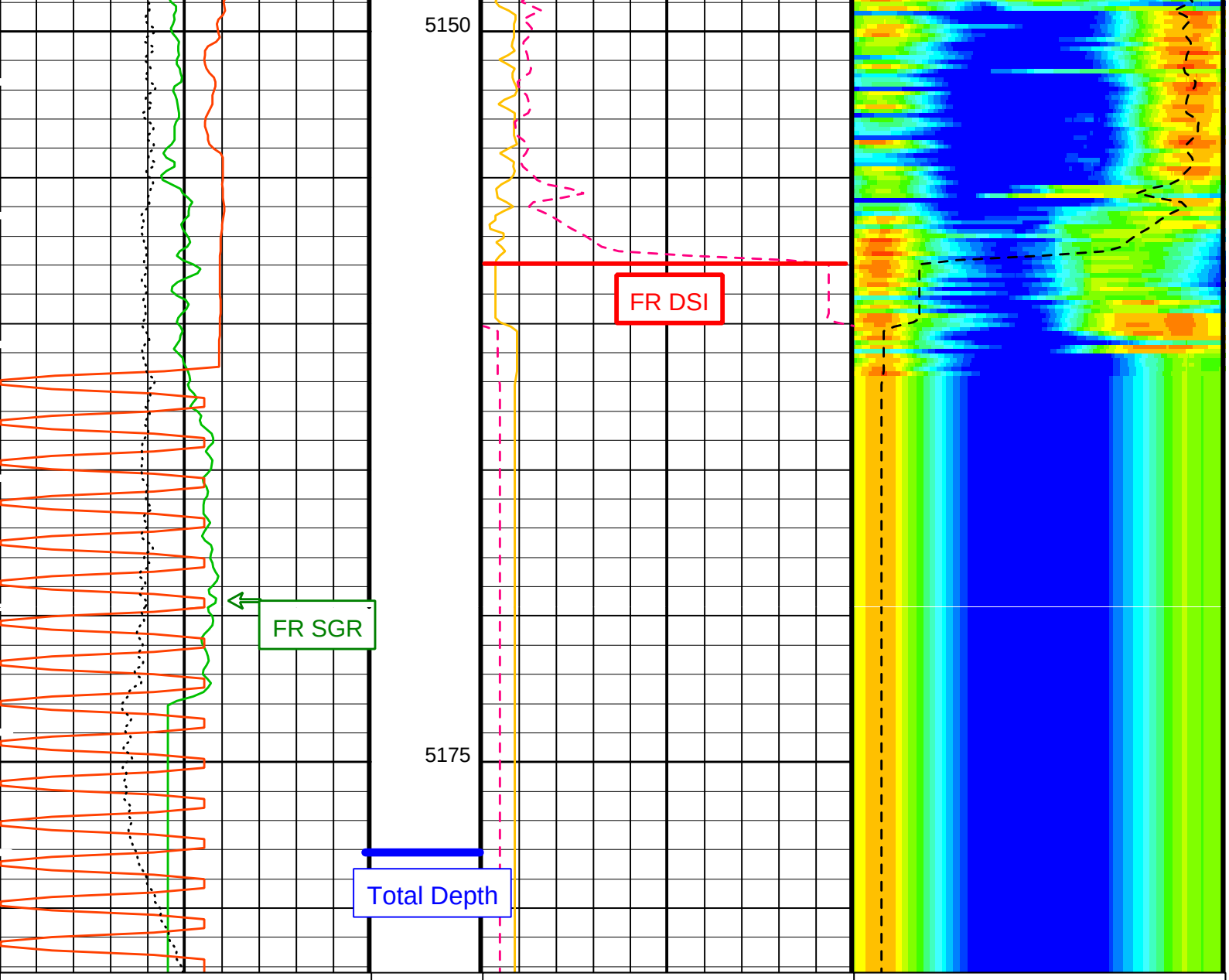

4875
4900
4925


4950
4975


TENS
SVEL
SGR
5000
DT1R
CHR1
DT1R
5025


5050
5075


5100
5125



Spectroscopy Gamma Ray (SGR)
0 (GAPI) 150

Sonic Velocity (SVEL)
0 (M/S) 3000

Tension (TENS)
10000 (LBF) 0

Peak Coherence / RA - Lower Dipole (CHR1)
0 (----) 10

Delta-T Shear / RA - Lower Dipole (DT1R)
1000 (US/F) 200

Delta-T Shear / RA - Lower Dipole (DT1R)
100 (US/F) 1000

Min Amplitude Max

Rec.Array L.Dipole Slow Proj. CVDL (SPR1)
100 (US/F) 1000

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
BS	Bit Size	9.875	IN
CBAR	Constant Barite	1	
CGMI	Spectro Computed Gamma Ray Minimum	0	GAPI
CGSH	Spectro Computed Gamma Ray Shale	100	GAPI
DDE1	Digitizing Delay 1	0	US
DDEX	Digitizing Delay X	0	US
DFD	Drilling Fluid Density	8.51	LB/G
DLCS	Label Compressional Source - Dipole Shear	USE	
DO	Depth Offset for Logical Unit 1	0.0	M
DSHL	Label Slowness Lower Limit - Dipole Shear	100	US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1000	US/F

DSHU	Label Slowness Upper Limit - Dipole Shear	1000	US/F
DSI1	Digitizer Sample Interval 1	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DWC1	Digitizer Word Count 1	512	
DWCX	Digitizer Word Count X	512	
KMIN	Potassium Minimum	0	
KSHA	Potassium Shale	0.02	
LTXG	Lower Dipole Transmitter Geometry	156	IN
NFO	NGT Filtering Option	KALMAN	
PMUD	Potassium Mud	0	%
PP	Playback Processing	NORMAL	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM1	DSST Sonic Acquisition Mode 1 - Lower Dipole Mode	LFD_EVEN	
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF	
SAS1	STC Sonic Array Status - Lower Dipole	255	
SBO1	STC Search Band Offset - Lower Dipole	3000	US
SBW1	STC Search Bandwidth - Lower Dipole	8000	US
SFC1	STC Formation Character - Lower Dipole	SELECTABLE	
SFM1	STC Filter - Lower Dipole	B.3-1.5K	
SGMI	Spectro Gamma Ray Minimum	0	GAPI
SGSH	Spectro Gamma Ray Shale	100	GAPI
SLL1	STC Slowness Lower Limit - Lower Dipole	100	US/F
SPVD	TVD of Starting Point	0	M
SST1	STC Slowness Step - Lower Dipole	4	US/F
SSW1	STC Source Waveform - Lower Dipole	WF_SAM1	
SUL1	STC Slowness Upper Limit - Lower Dipole	1000	US/F
SWD1	STC Slowness Width - Lower Dipole	40	US/F
TBF1	STC Time for Baseline Fill - Lower Dipole	0	US
TIMD	Along-hole depth of Tie-in Point	0	M
TIVD	TVD of Tie-in Point	0	M
TLL1	STC Time Lower Limit - Lower Dipole	600	US
TMIN	Thorium Minimum	0	PPM
TSHA	Thorium Shale	12	PPM
TST1	STC Time Step - Lower Dipole	200	US
TUL1	STC Time Upper Limit - Lower Dipole	18500	US
TWD1	STC Time Width - Lower Dipole	2000	US
TWI1	STC Integration Time Window - Lower Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
UMIN	Uranium Minimum	0	PPM
USHA	Uranium Shale	3	PPM

Format: DSST_LOWER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 16-Jun-2000 00:17

OP System Version: 9C1-303

MCM

MEST-B	9C1-303	NGT-C	9C1-303
DTA-A	9C1-303	DSST-B	9C1-303
DTC-H	9C1-303		

Input DLIS Files

DEFAULT	MESTB .028	FN:35	PRODUCER	06-Jun-2000 15:41	5182.2 M	4857.9 M

Input DLIS Files

DEFAULT	MESTB .031	FN:41	PRODUCER	06-Jun-2000 17:09	5182.8 M	4859.0 M

OP System Version: 9C1-303

MCM

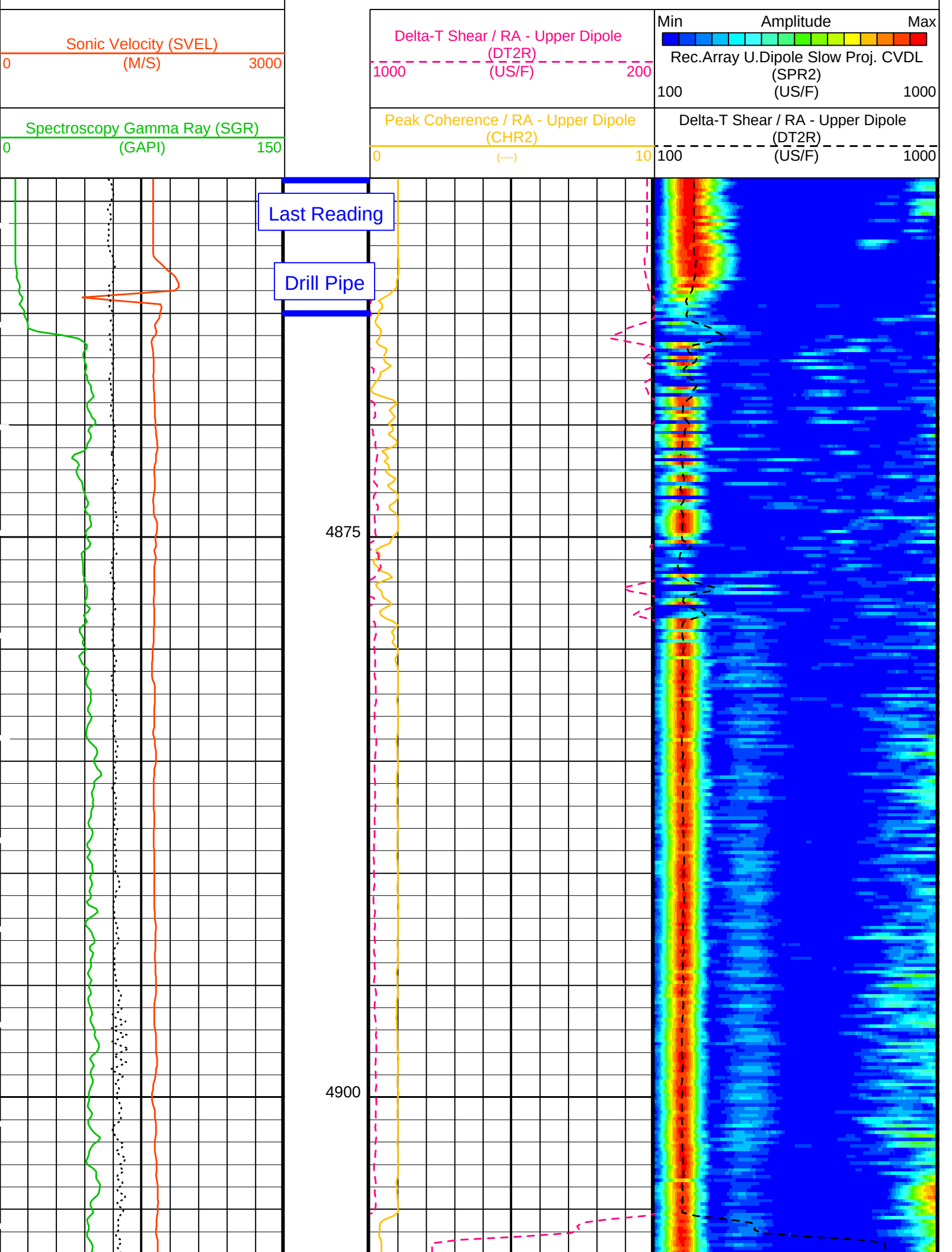
MEST-B	9C1-303	NGT-C	9C1-303
DTA-A	9C1-303	DSST-B	9C1-30
DTC-H	9C1-303		

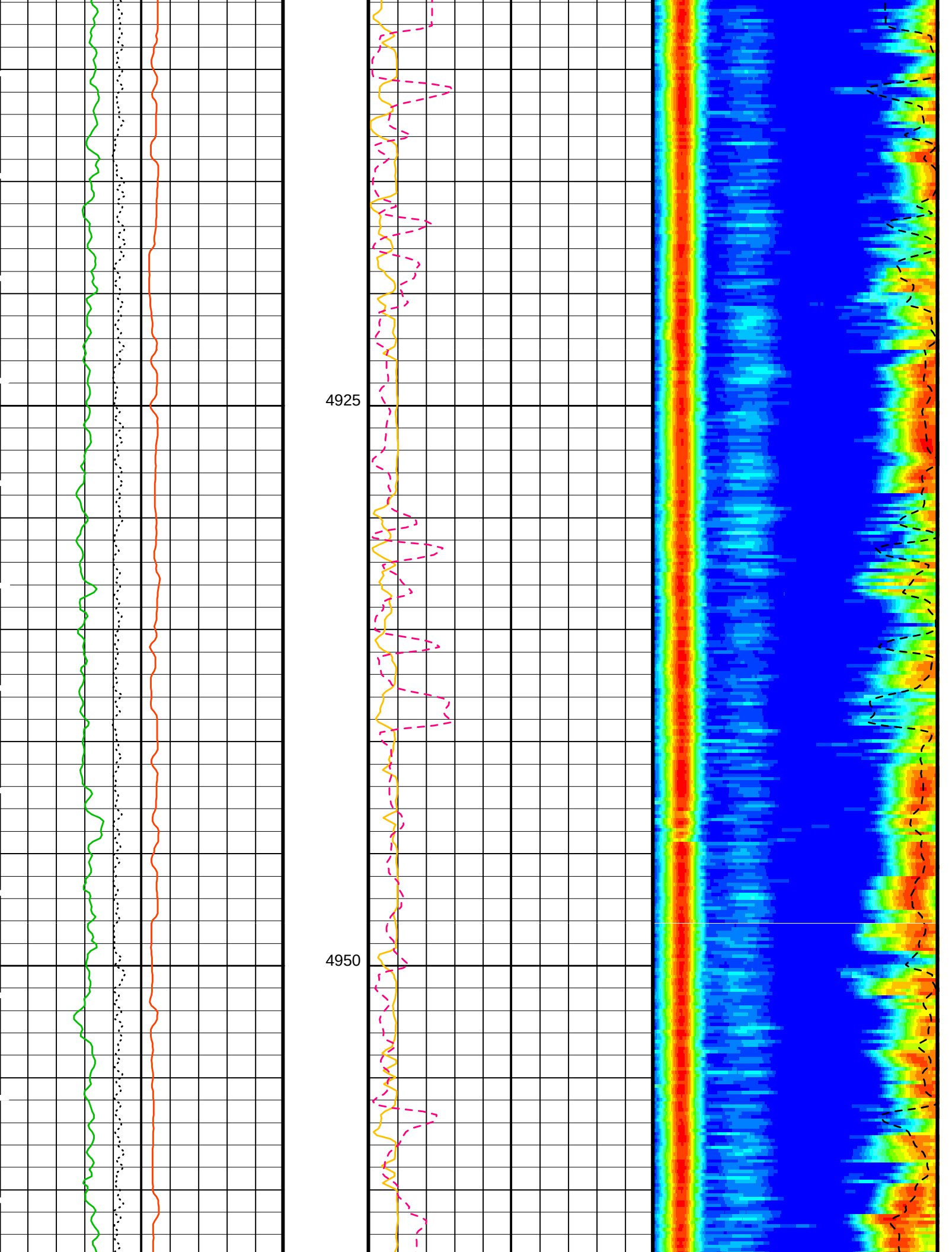
Pass #1 UP Log

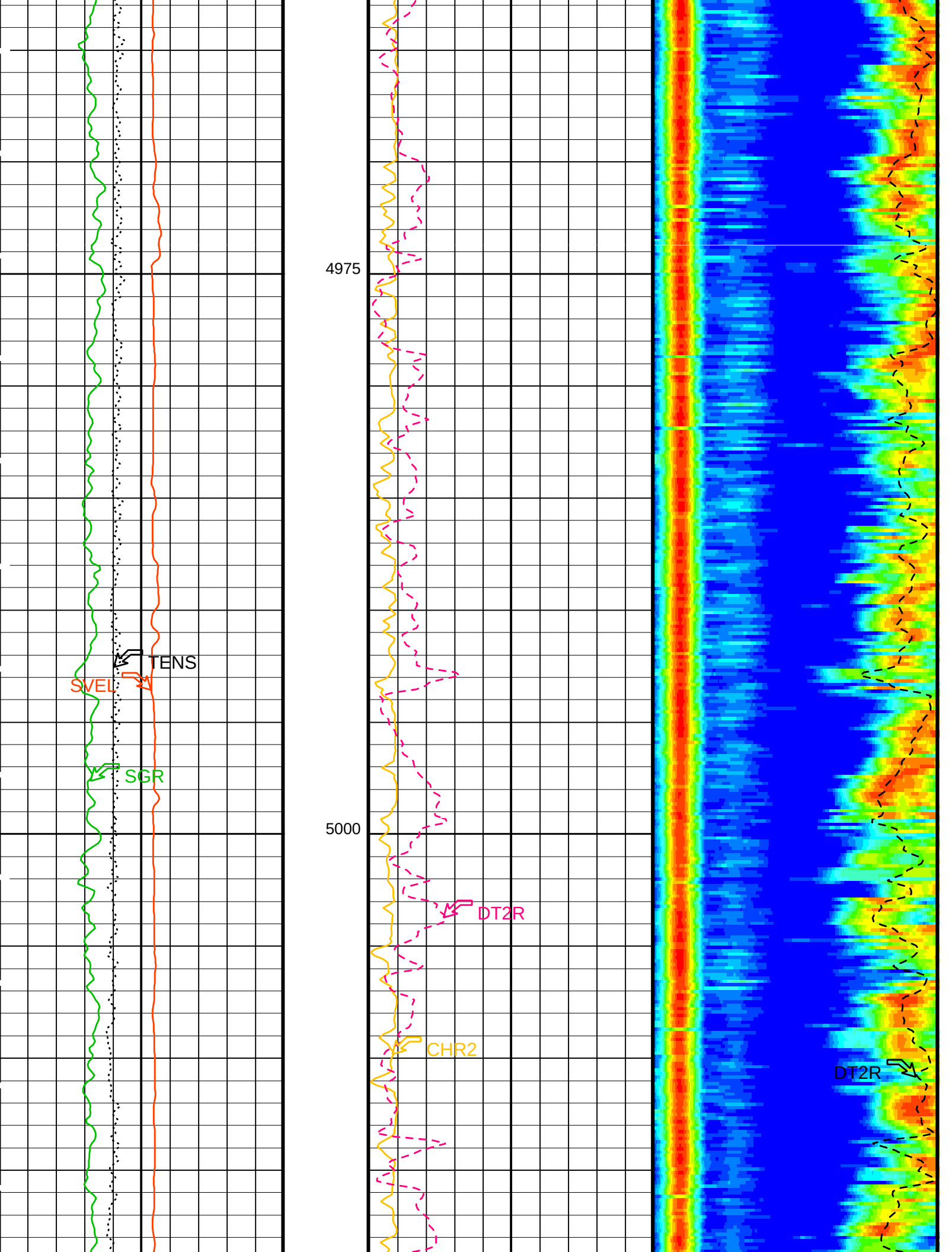
PIP SUMMARY

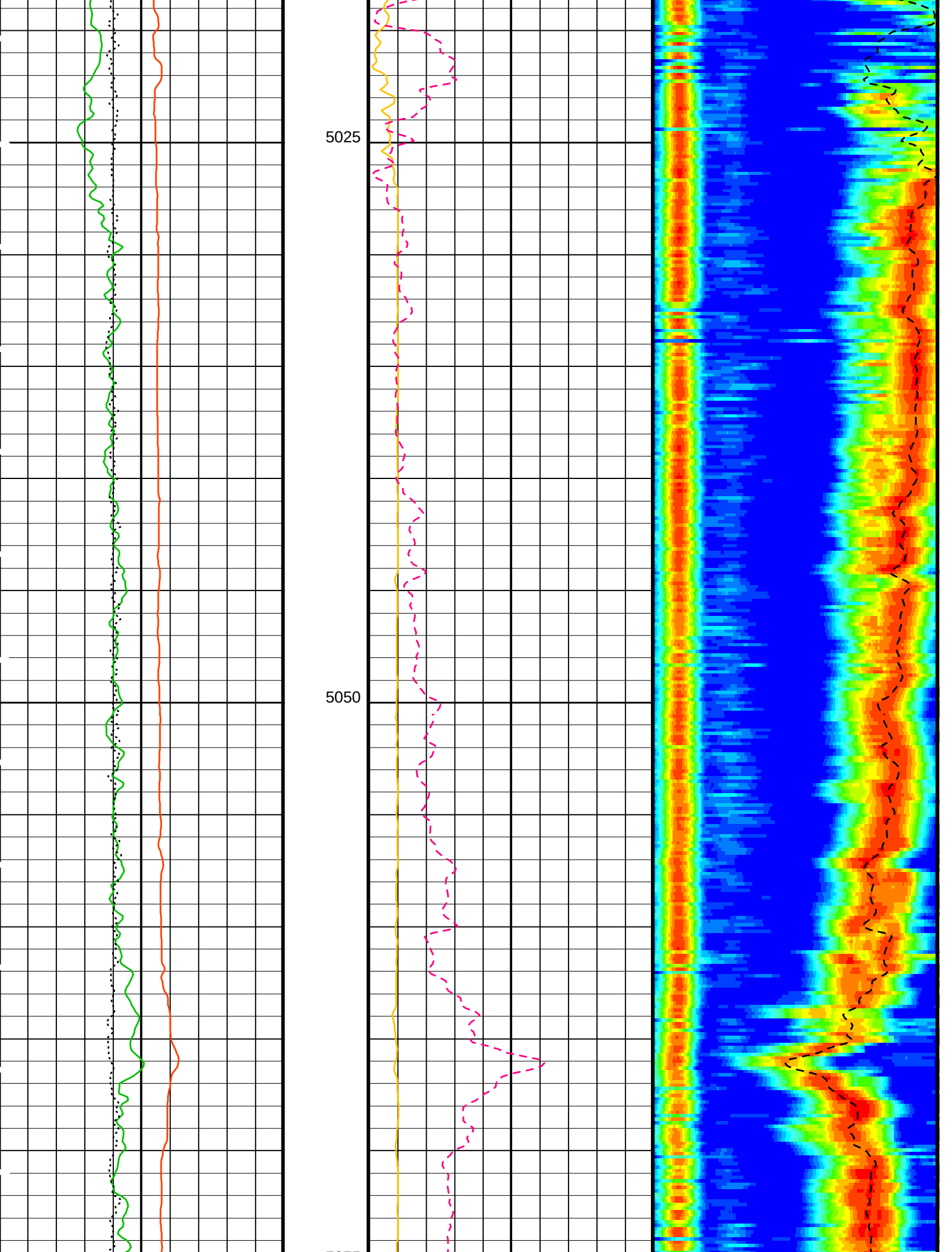
Time Mark Every 60 S

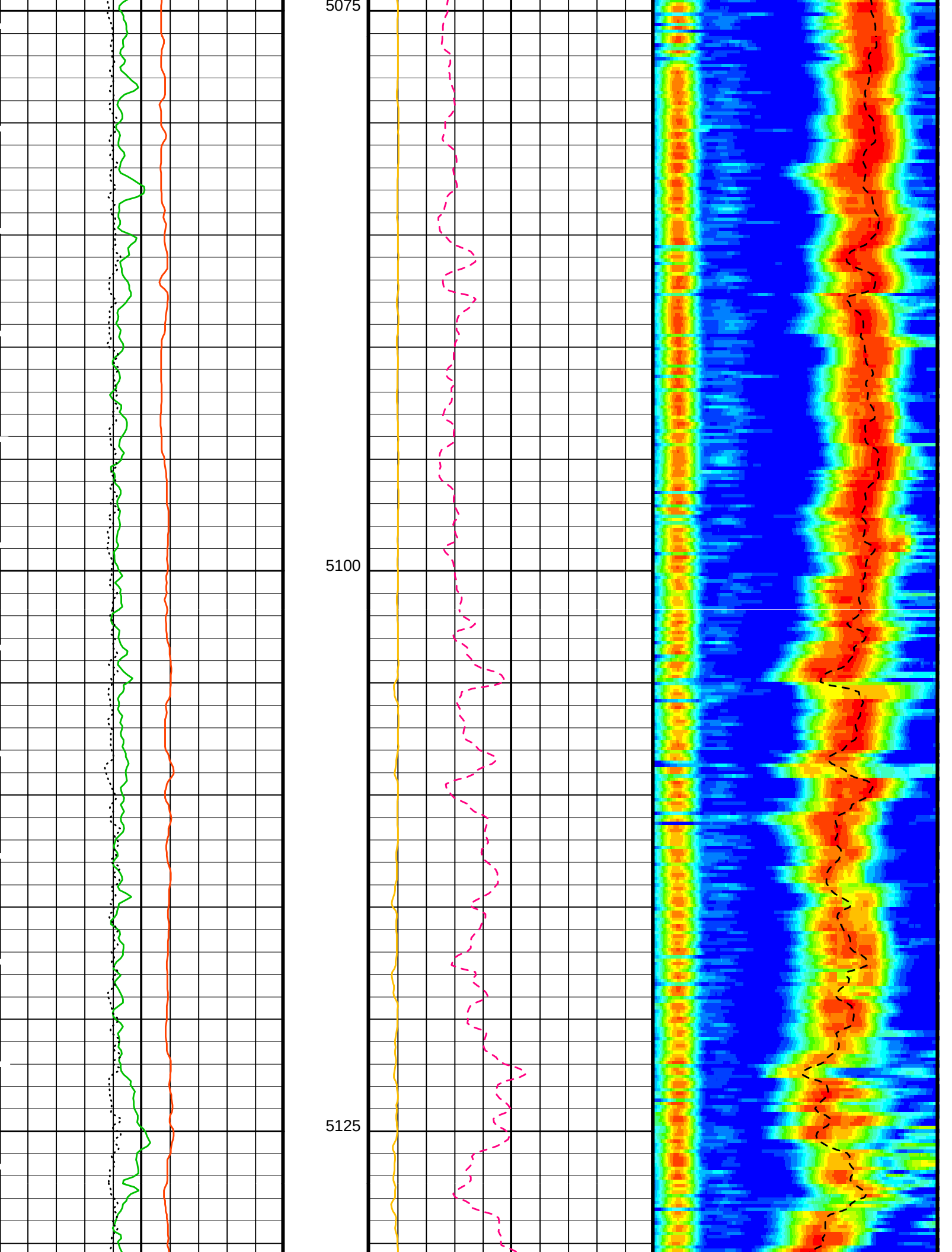
Tension (TENS)		
10000	(LBF)	0

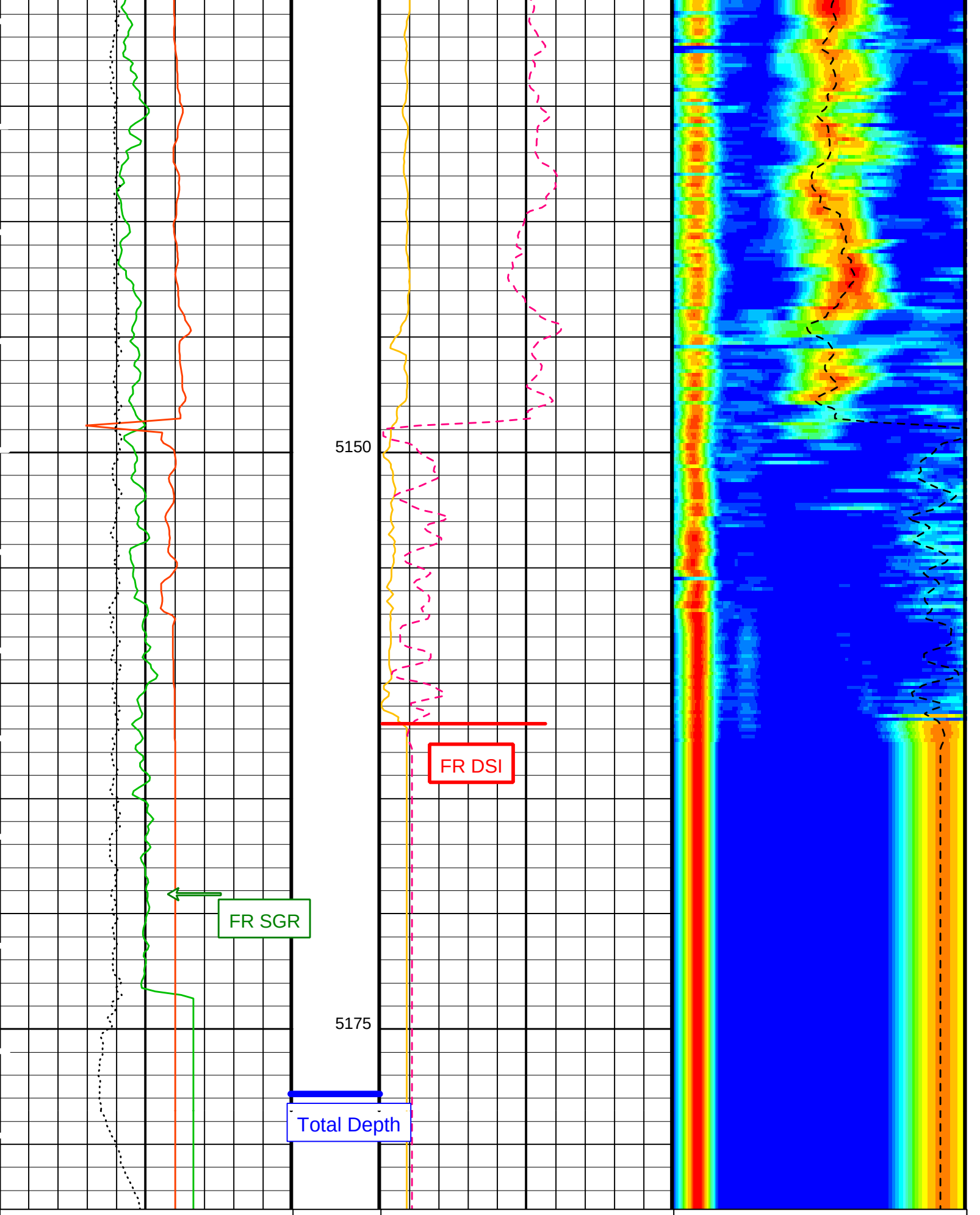

Sonic Velocity (SVEL)
0
(M/S)
3000
Spectroscopy Gamma Ray (SGR)
0
(GAPI)
150
Delta-T Shear / RA - Upper Dipole (DT2R)
1000
(US/F)
200
Peak Coherence / RA - Upper Dipole (CHR2)
0
(---)
10
Min
Amplitude
Max
Rec.Array U.Dipole Slow Proj. CVDL (SPR2)
100
(US/F)
1000
Delta-T Shear / RA - Upper Dipole (DT2R)
100
(US/F)
1000
Last Reading
Drill Pipe
4875
4900

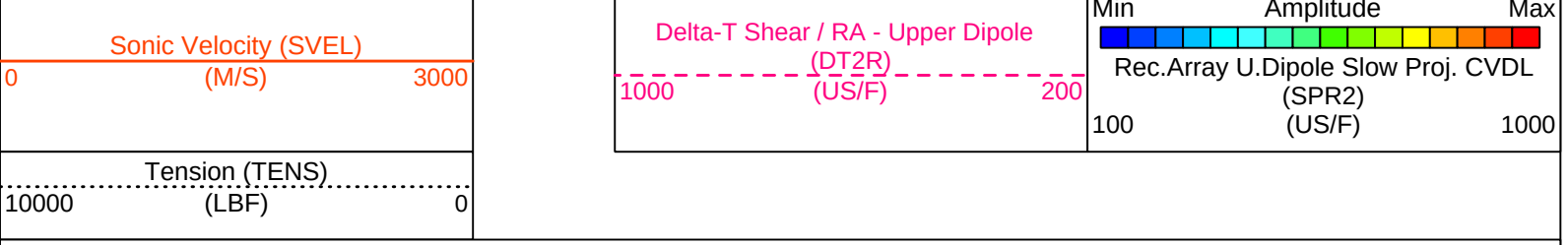

4925
4950


4975
5000
TENS
SVEL
SGR
DT2R
CHR2
DT2R


5025
5050


5075
5100
5125


5150
5175
FR DSI
FR SGR
Total Depth
Spectroscopy Gamma Ray (SGR)
0
(GAPI)
150
Peak Coherence / RA - Upper Dipole (CHR2)
0
(----)
10
Delta-T Shear / RA - Upper Dipole (DT2R)
100
(US/F)
1000



PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
BS	Bit Size	9.875	IN
CBAR	Constant Barite	1	
CGMI	Spectro Computed Gamma Ray Minimum	0	GAPI
CGSH	Spectro Computed Gamma Ray Shale	100	GAPI
DDE2	Digitizing Delay 2	0	US
DDEX	Digitizing Delay X	0	US
DFD	Drilling Fluid Density	8.51	LB/G
DLCS	Label Compressional Source - Dipole Shear	USE	
DO	Depth Offset for Logical Unit 1	0.0	M
DSHL	Label Slowness Lower Limit - Dipole Shear	100	US/F
DSHU	Label Slowness Upper Limit - Dipole Shear	1000	US/F
DSI2	Digitizer Sample Interval 2	40	US
DSIX	Digitizer Sample Interval X	40	US
DTCS	Compressional Delta-T Source for DTCO Channel	PS_COMP	
DWC2	Digitizer Word Count 2	512	
DWCX	Digitizer Word Count X	512	
KMIN	Potassium Minimum	0	
KSHA	Potassium Shale	0.02	
NFO	NGT Filtering Option	KALMAN	
PMUD	Potassium Mud	0	%
PP	Playback Processing	NORMAL	
RX1G	Receiver 1 Geometry	294	IN
RX2G	Receiver 2 Geometry	300	IN
RX3G	Receiver 3 Geometry	306	IN
RX4G	Receiver 4 Geometry	312	IN
RX5G	Receiver 5 Geometry	318	IN
RX6G	Receiver 6 Geometry	324	IN
RX7G	Receiver 7 Geometry	330	IN
RX8G	Receiver 8 Geometry	336	IN
SAM2	DSST Sonic Acquisition Mode 2 - Upper Dipole Mode	ODD	
SAMX	DSST Sonic Acquisition Mode X - Both Dipoles or Monopole Mode for Expert	OFF	
SAS2	STC Sonic Array Status - Upper Dipole	255	
SBO2	STC Search Band Offset - Upper Dipole	3000	US
SBW2	STC Search Bandwidth - Upper Dipole	8000	US
SFC2	STC Formation Character - Upper Dipole	SELECTABLE	
SFM2	STC Filter - Upper Dipole	B1-3K	
SGMI	Spectro Gamma Ray Minimum	0	GAPI
SGSH	Spectro Gamma Ray Shale	100	GAPI
SLL2	STC Slowness Lower Limit - Upper Dipole	100	US/F
SPVD	TVD of Starting Point	0	M
SST2	STC Slowness Step - Upper Dipole	4	US/F
SSW2	STC Source Waveform - Upper Dipole	WF_SAM2	
SUL2	STC Slowness Upper Limit - Upper Dipole	1000	US/F
SWD2	STC Slowness Width - Upper Dipole	40	US/F
TBF2	STC Time for Baseline Fill - Upper Dipole	0	US
TIMD	Along-hole depth of Tie-in Point	0	M
TIVD	TVD of Tie-in Point	0	M
TLL2	STC Time Lower Limit - Upper Dipole	600	US
TMIN	Thorium Minimum	0	PPM
TSHA	Thorium Shale	12	PPM
TST2	STC Time Step - Upper Dipole	200	US
TUL2	STC Time Upper Limit - Upper Dipole	18000	US
TWD2	STC Time Width - Upper Dipole	2000	US
TWI2	STC Integration Time Window - Upper Dipole	1600	US
TWSX	Transmitter Waveform Select X	0	
UMIN	Uranium Minimum	0	PPM
USHA	Uranium Shale	3	PPM
UTXG	Upper Dipole Transmitter Geometry	162	IN

Format: DSST_UPPER_DIPOLE_VDL_COLOR Vertical Scale: 1:200 Graphics File Created: 16-Jun-2000 00:14

OP System Version: 9C1-303

MCM

MEST-B 9C1-303 NGT-C 9C1-303

DTA-A	9C1-303	DSST-B	9C1-303
DTC-H	9C1-303		

Input DLIS Files

DEFAULT	MESTB .031	FN:41	PRODUCER	06-Jun-2000 17:09	5182.8 M	4859.0 M

COMPANY: Lamont Doherty

WELL: ODP Leg 190, Site 1173A

FIELD: Nankai Trough

Country: Japan

Ocean: Pacific

BOTTOM LOG INTERVAL	5177 m
SCHLUMBERGER DEPTH	5178 m
DEPTH DRILLER	5536.2 m
KELLY BUSHING	11.3 m
DRILL FLOOR	11 m
GROUND LEVEL	-4801.9 m

Schlumberger

Dipole Sonic Shear-HNGS