810 Quail Street
Suite E
Lakewood, Colorado
80215
Office: 303.279.0171
FAX: 303.278.0135
www.colog.com

Acoustic Televiewer
Caliper
Natural Gamma

COMPANY	Excelsior Mining
WELL	NSH-009
FIELD	Gunnison
COUNTY	Cochise
STATE	AZ

Company Excelsior Mining
Well NSH-009
Field Gunnison
County Cochise
State AZ

LOCATION
NSH-009

QTR **SEC** **TWP** **RGE**

OTHER SERVICES
Sonic
T-Fl. Res
Compensated Density
Dual Neutron
Electric Resistivity
Flow-Meter

PERMANENT DATUM GROUND LEVEL **ELEVATION** NA

LOG MEAS. FROM GROUND LEVEL 0.0' **ABOVE PERMINANT DATUM**

DRILLING MEAS. FROM GROUND LEVEL

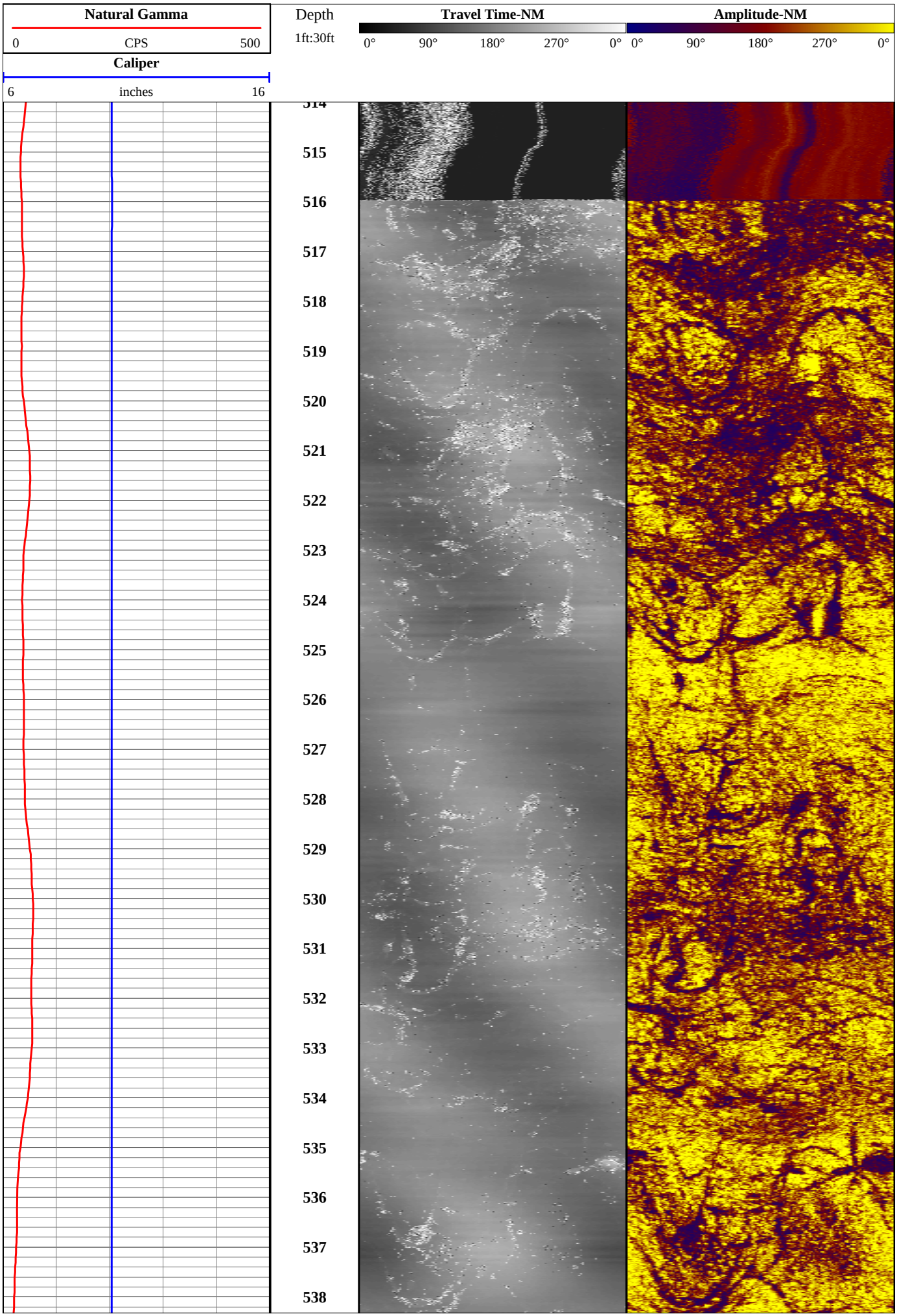
DATE ACQUIRED	3 November 2014	3 November 2014		
RUN NUMBER	1	2		
LOG TYPE	ABI	Gamma/Caliper		
DEPTH-DRILLER	1,060'			
DEPTH-LOGGER	1,039.0'	1,054.8'		
BTM LOG INTERVAL	1,038.6'	1,054.4'		
TOP LOG INTERVAL	530	0		
RECORDED BY	G. Bauer			
WITNESSED BY	Chad			
PROBE TYPE, S/N	ABI, 111018	Comprobe		
LOGGING SPEED	5.1 ft/min	15 ft/min		
A.S.D.E.	0.12'	0.35'		
SAMPLE INTERVAL	0.0075'	0.1'		

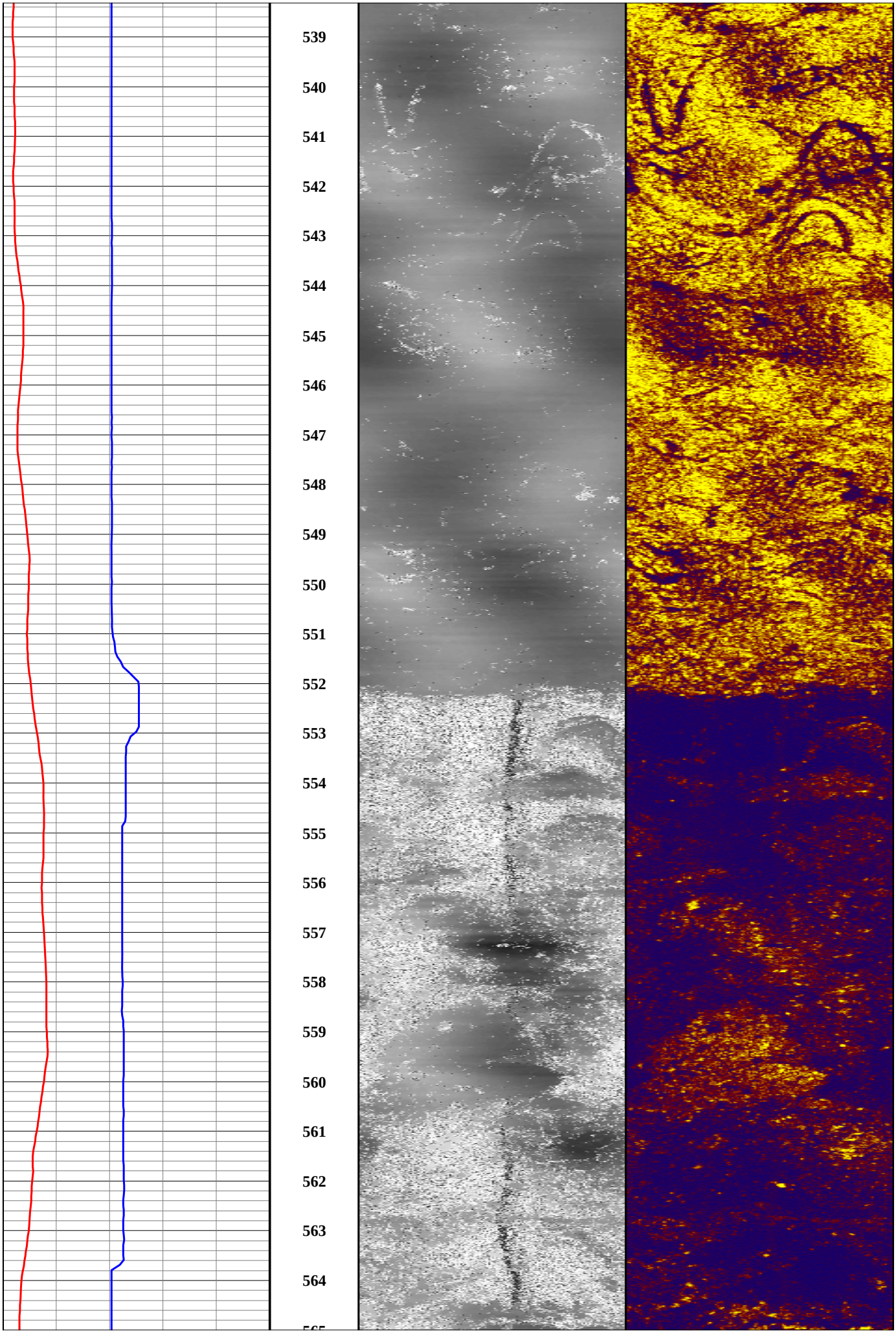
BOREHOLE RECORD				**CASING RECORD**			
RUN No.	**BIT**	**FROM**	**TO**	**SIZE**	**WGT.**	**FROM**	**TO**
ONE	10"	0	1,060'	12.0"	STEEL	-0.90'	20'

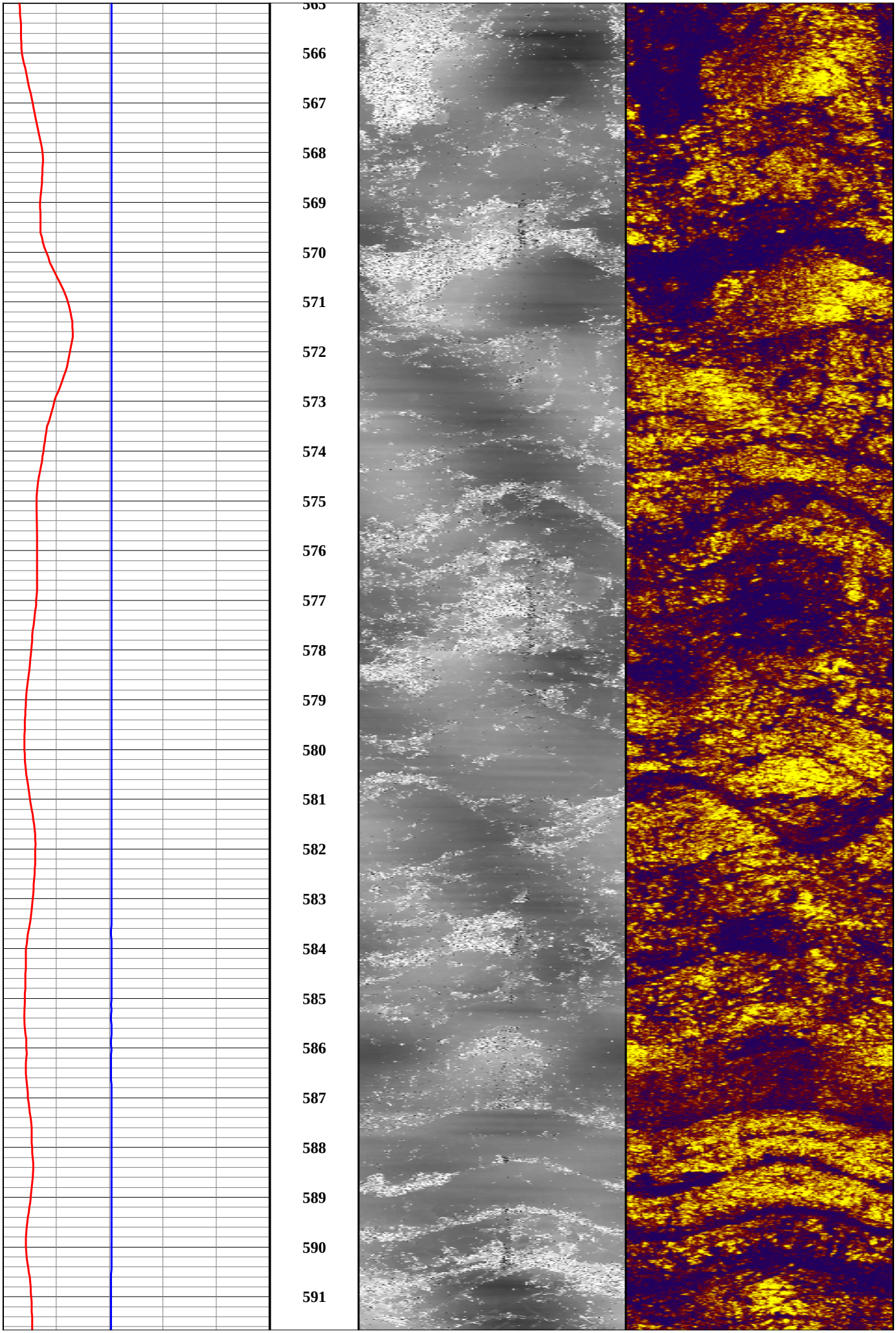
NA - Not Available, N/A - Not Applicable

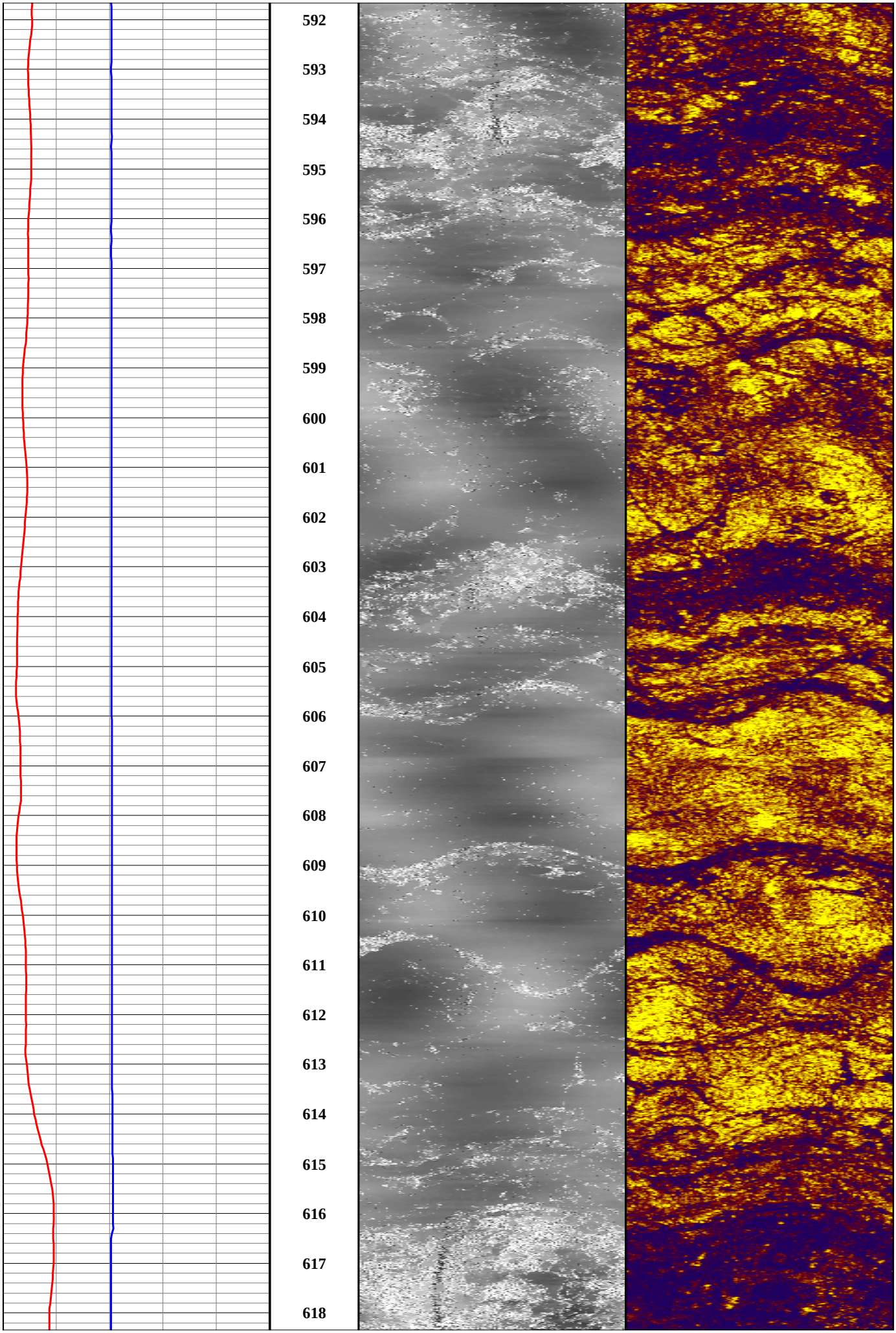
COMMENTS
Water-level = 560.8'

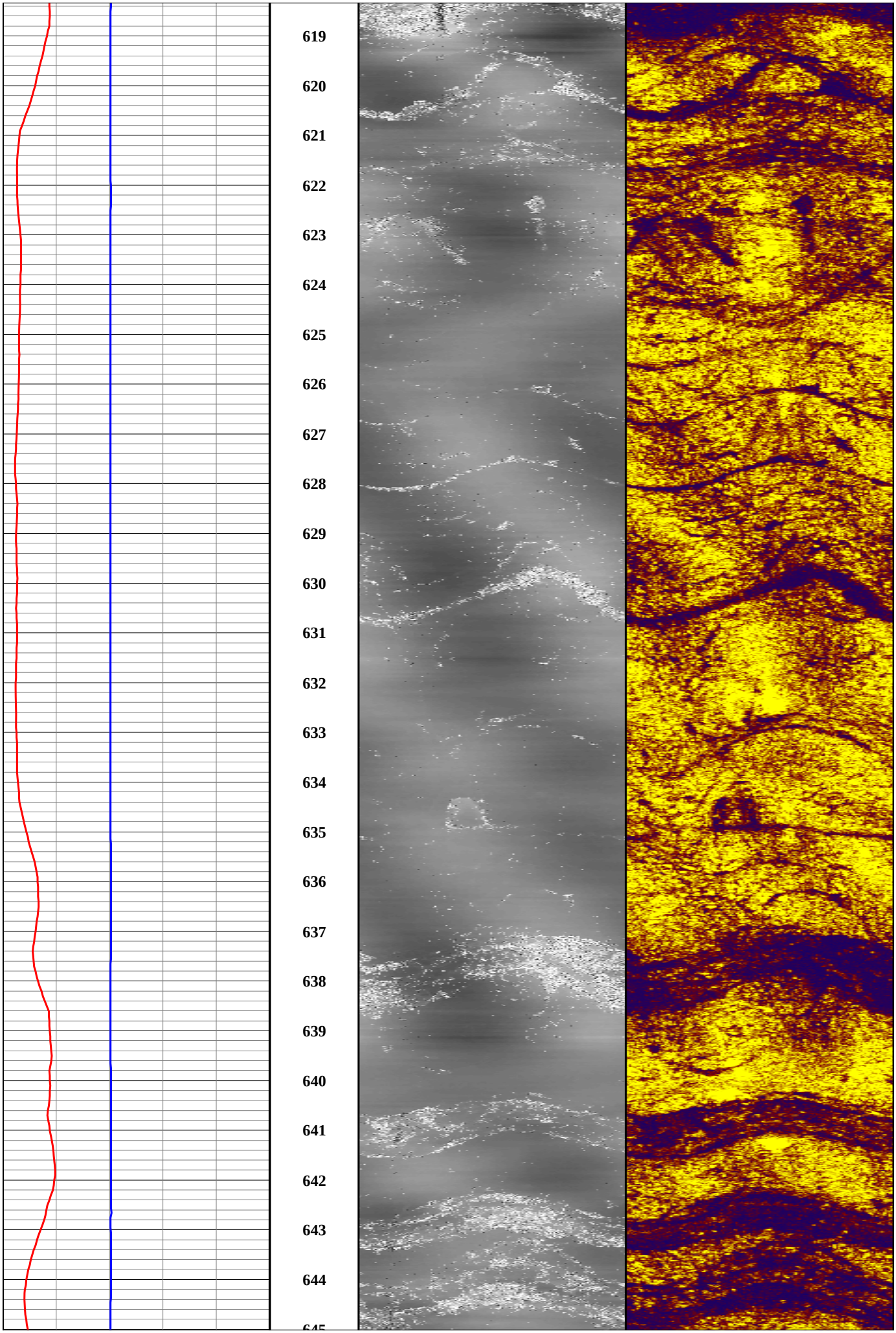
INPUT FILES:
NSH-009 ABI.tfd
NSH-009 ABI2.tfd
NSH-009 Caliper.tfd

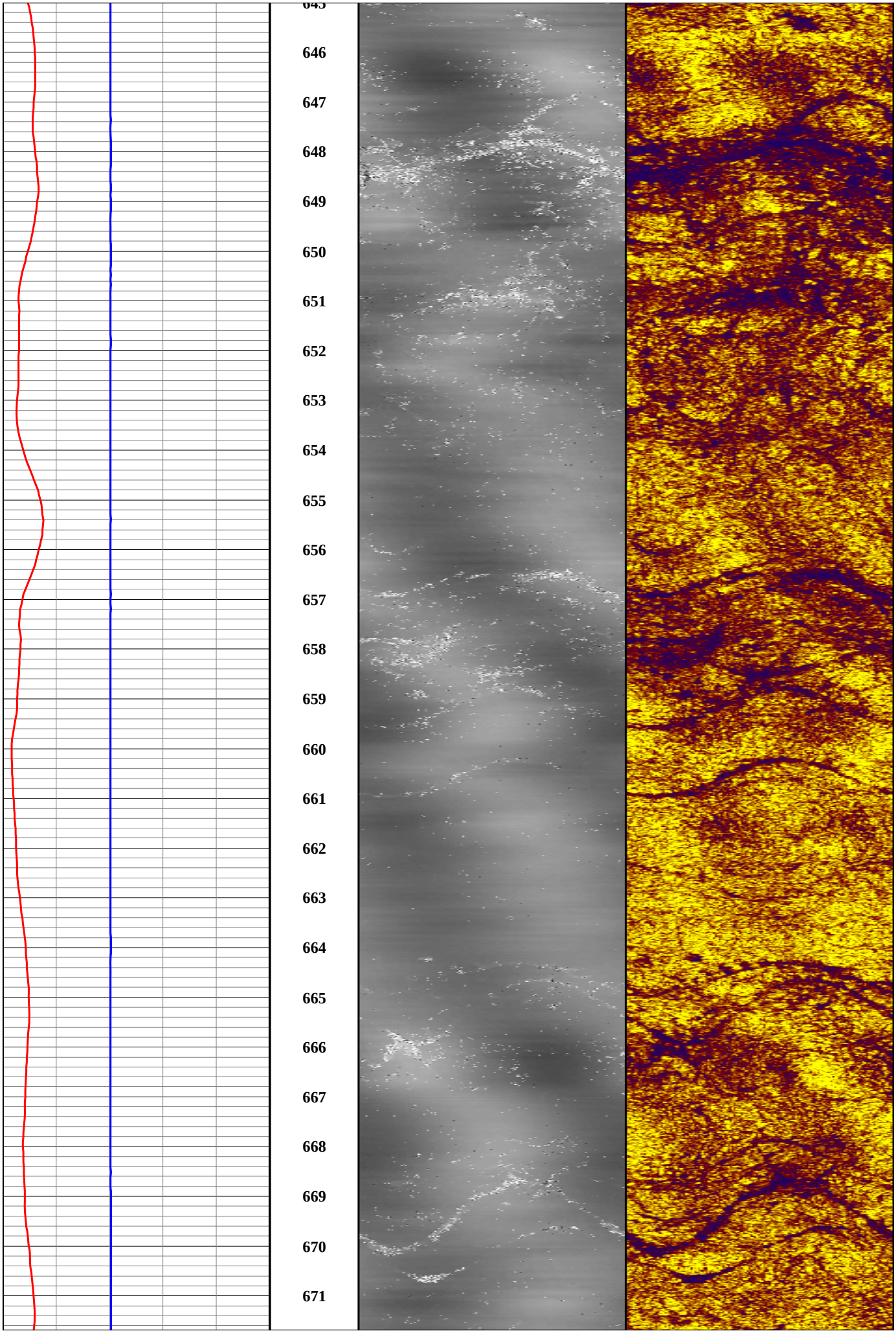

Natural Gamma
0
CPS
500
Caliper
6
inches
16
Depth
1ft:30ft
Travel Time-NM
0°
90°
180°
270°
0°
Amplitude-NM
0°
90°
180°
270°
0°
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538

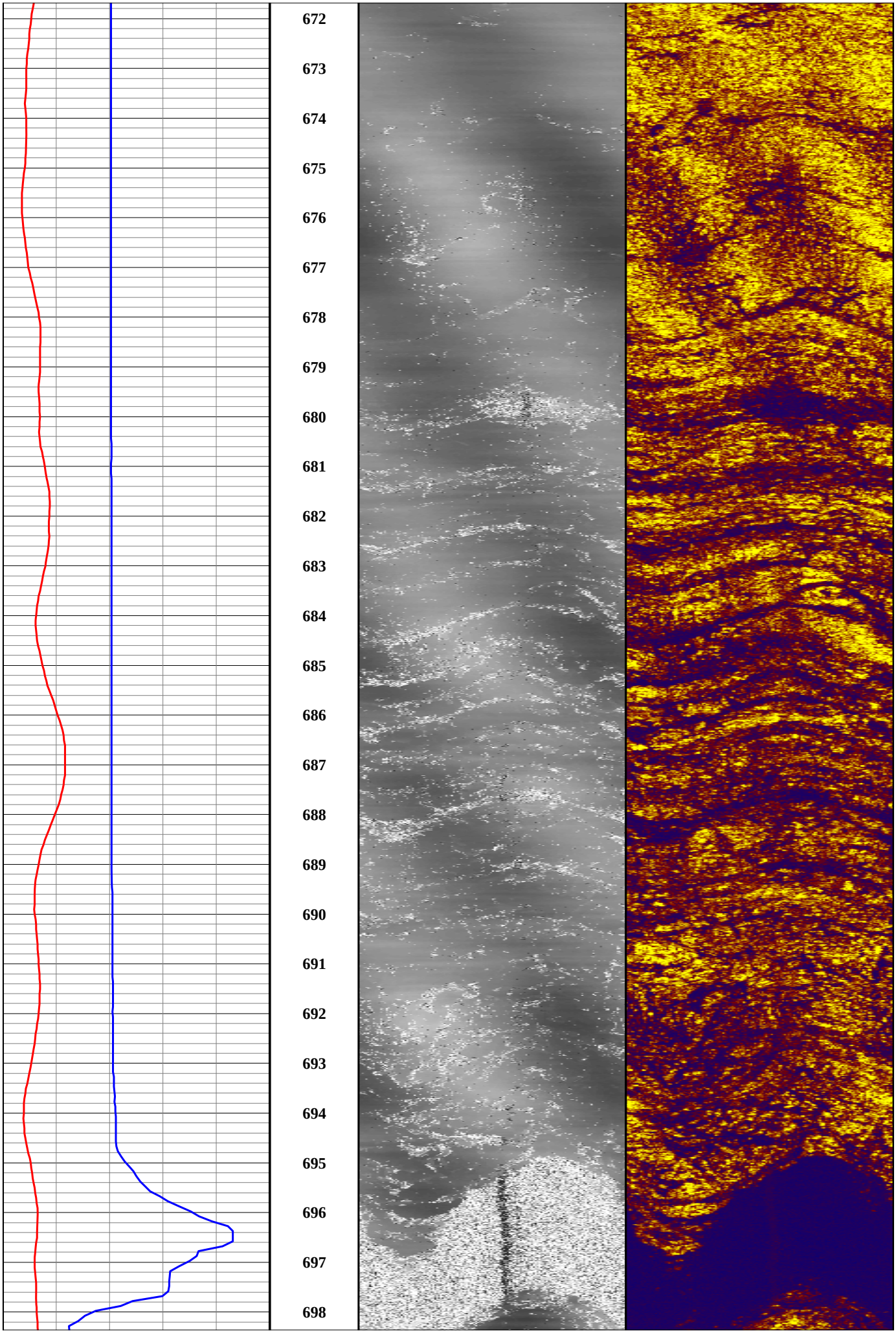

539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564

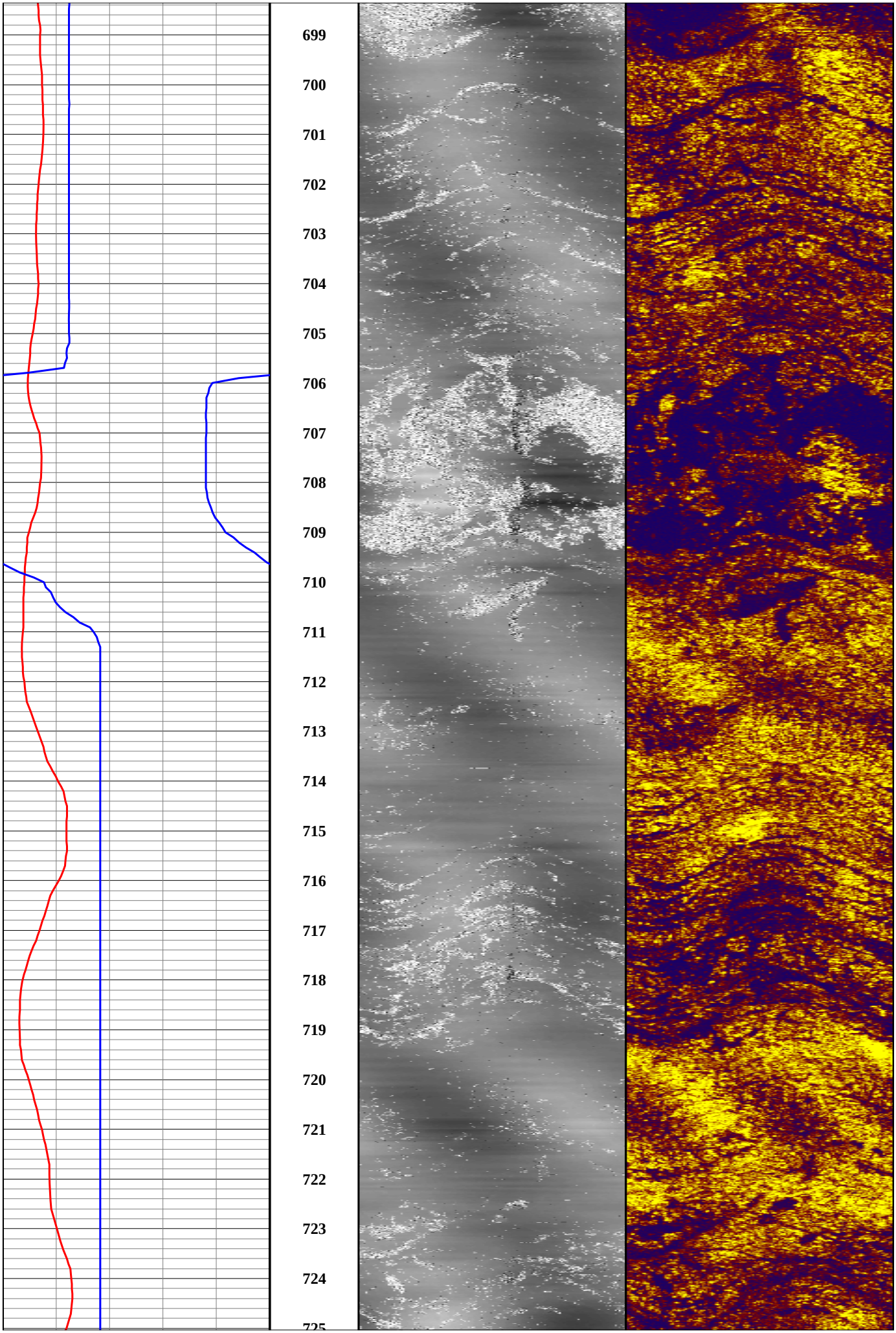

565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591

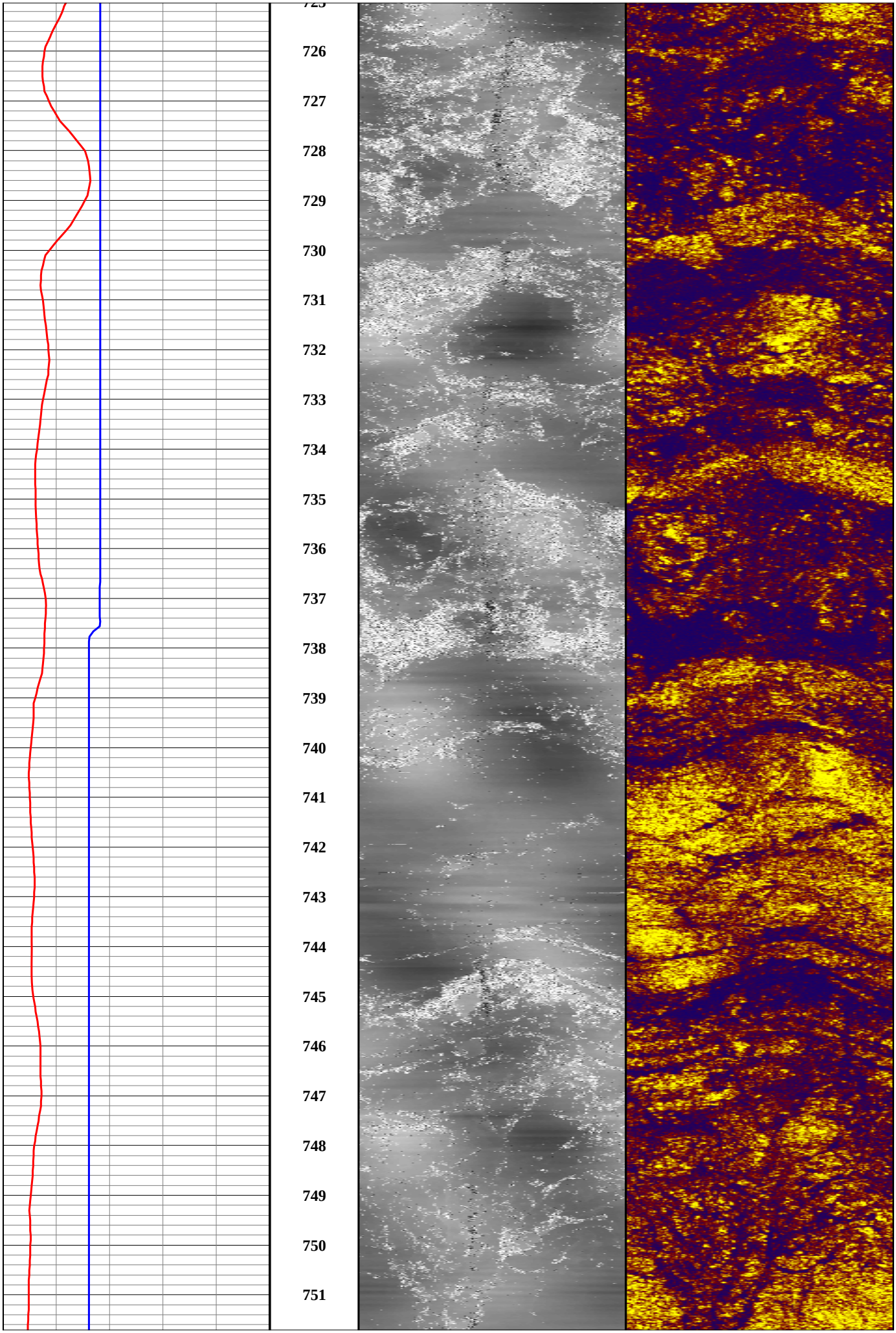

592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618

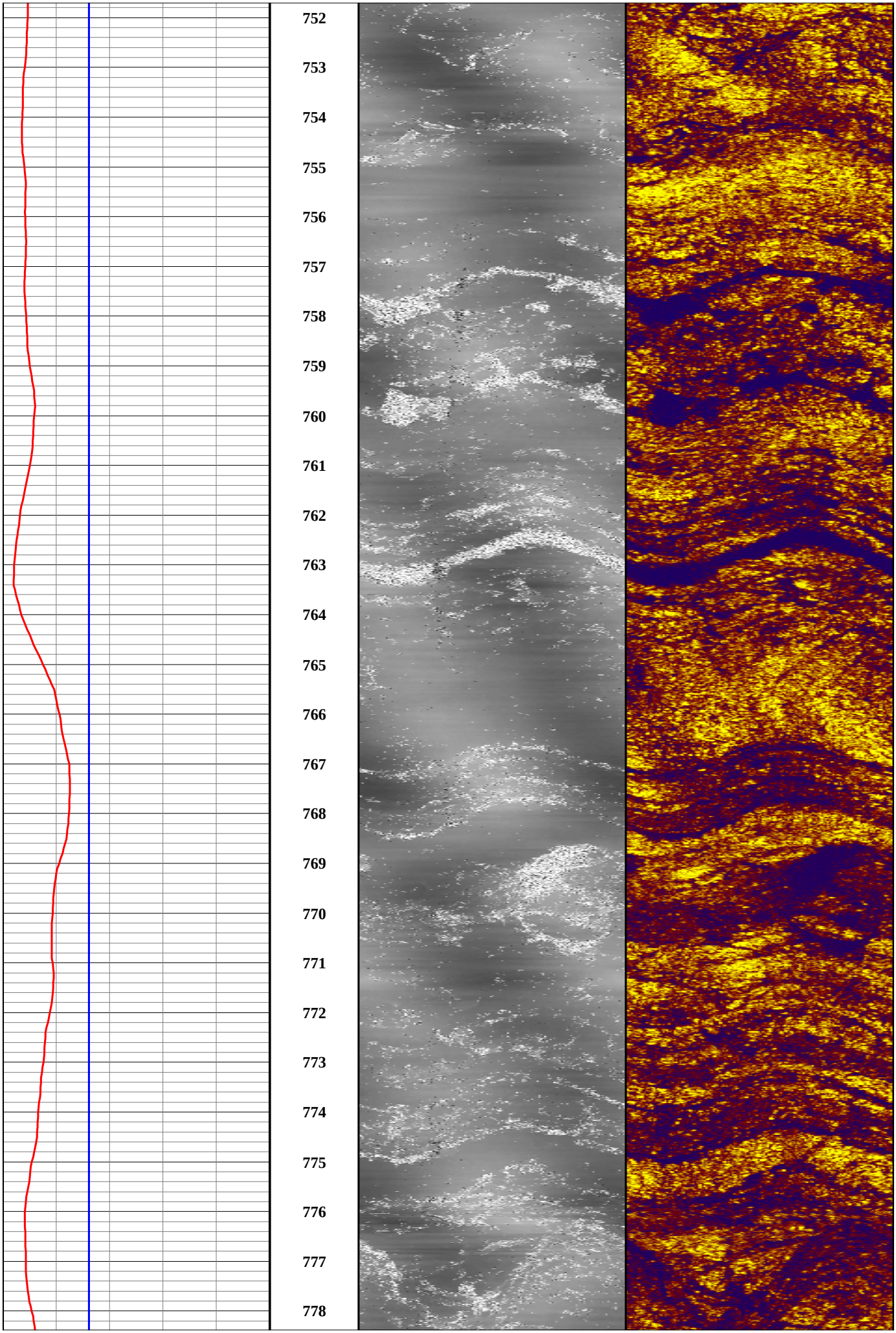

619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645

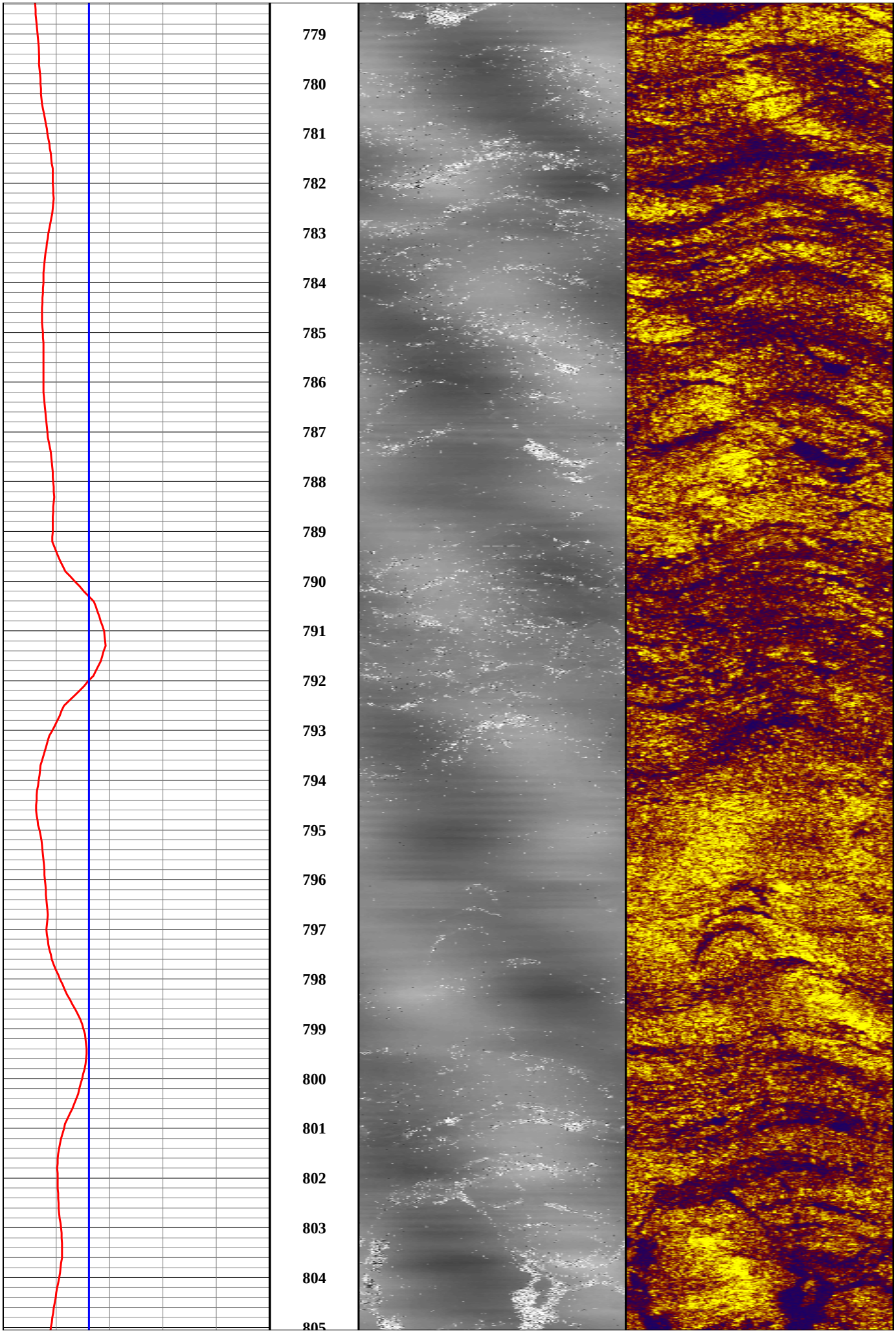

645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671

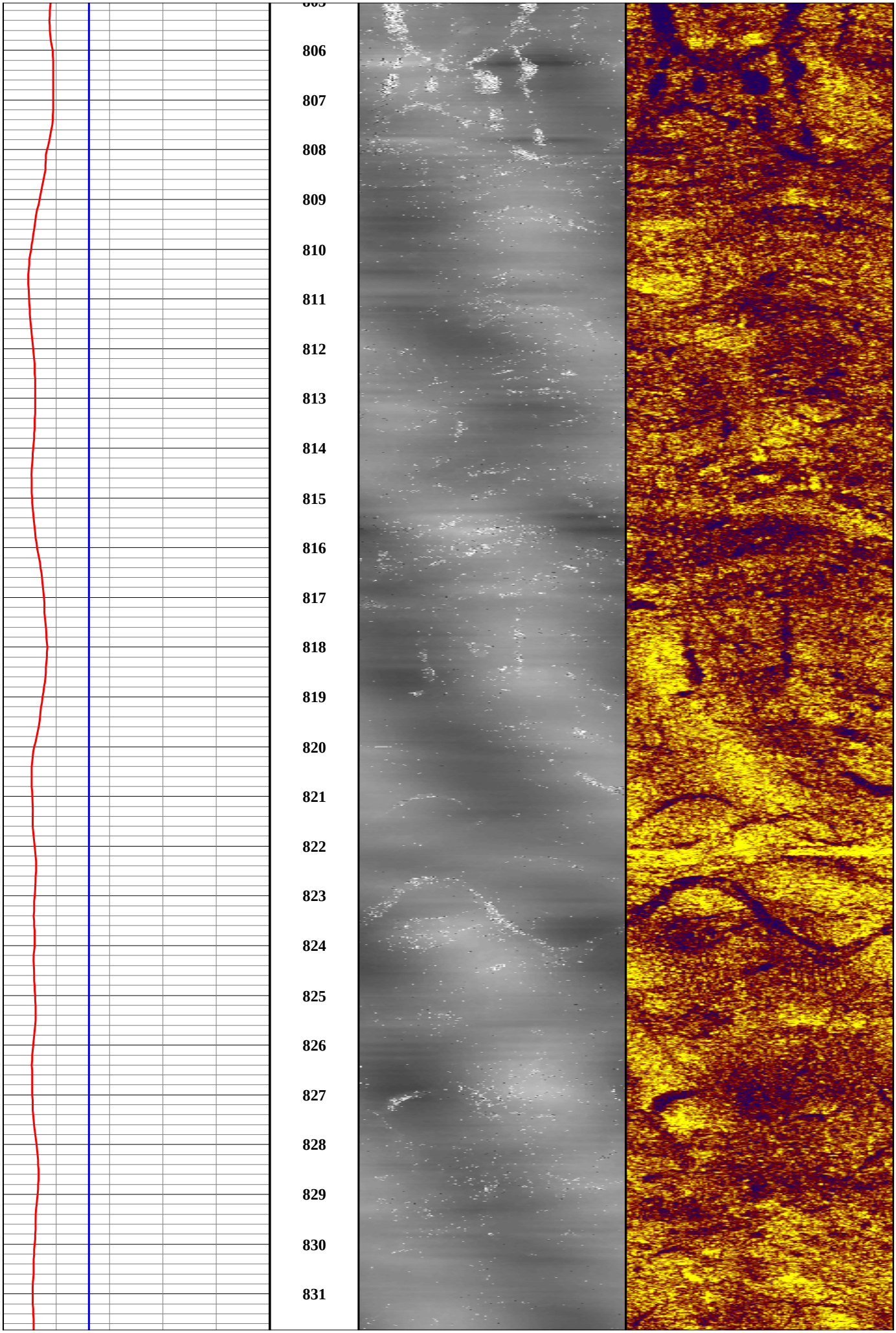

672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698

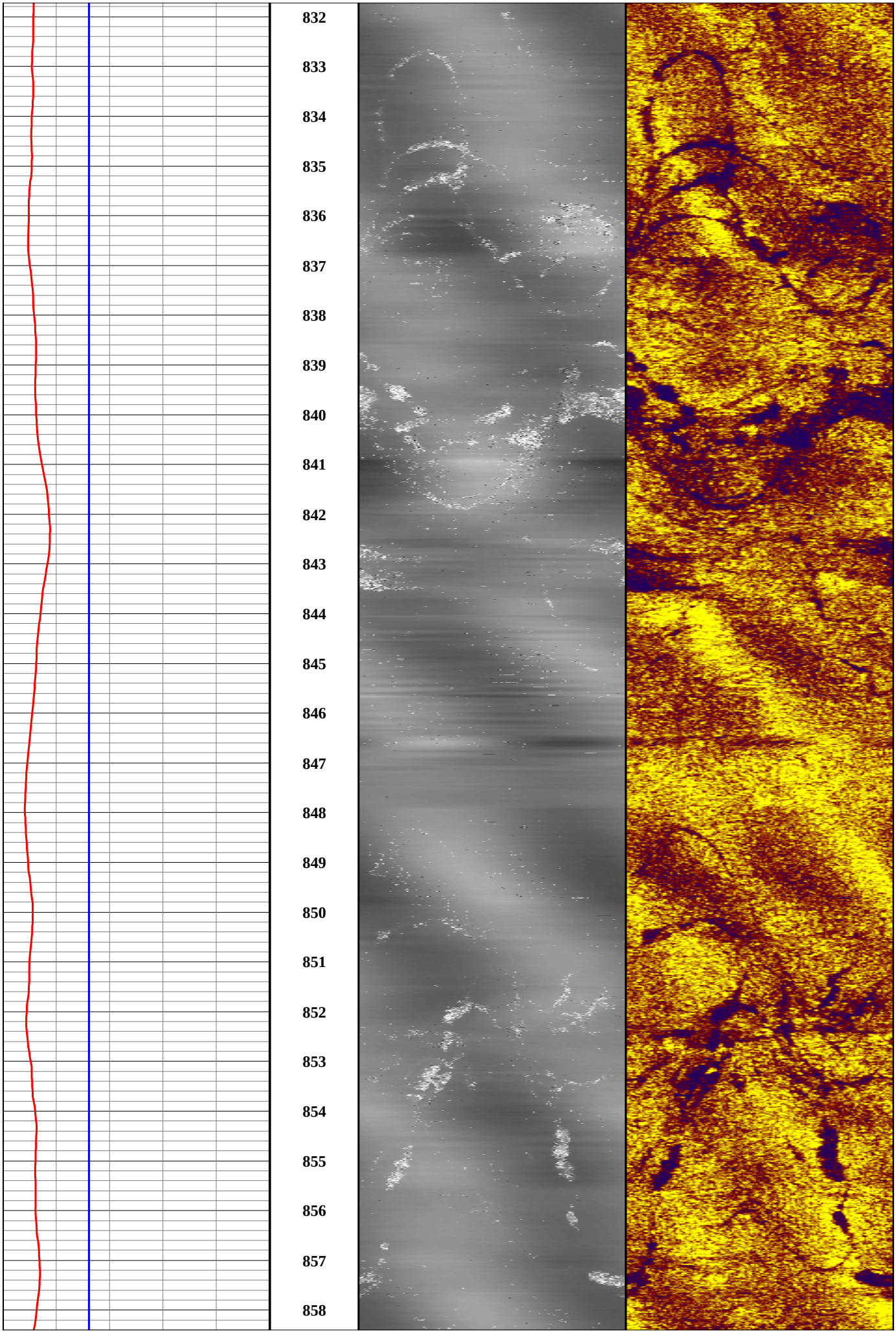

699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725

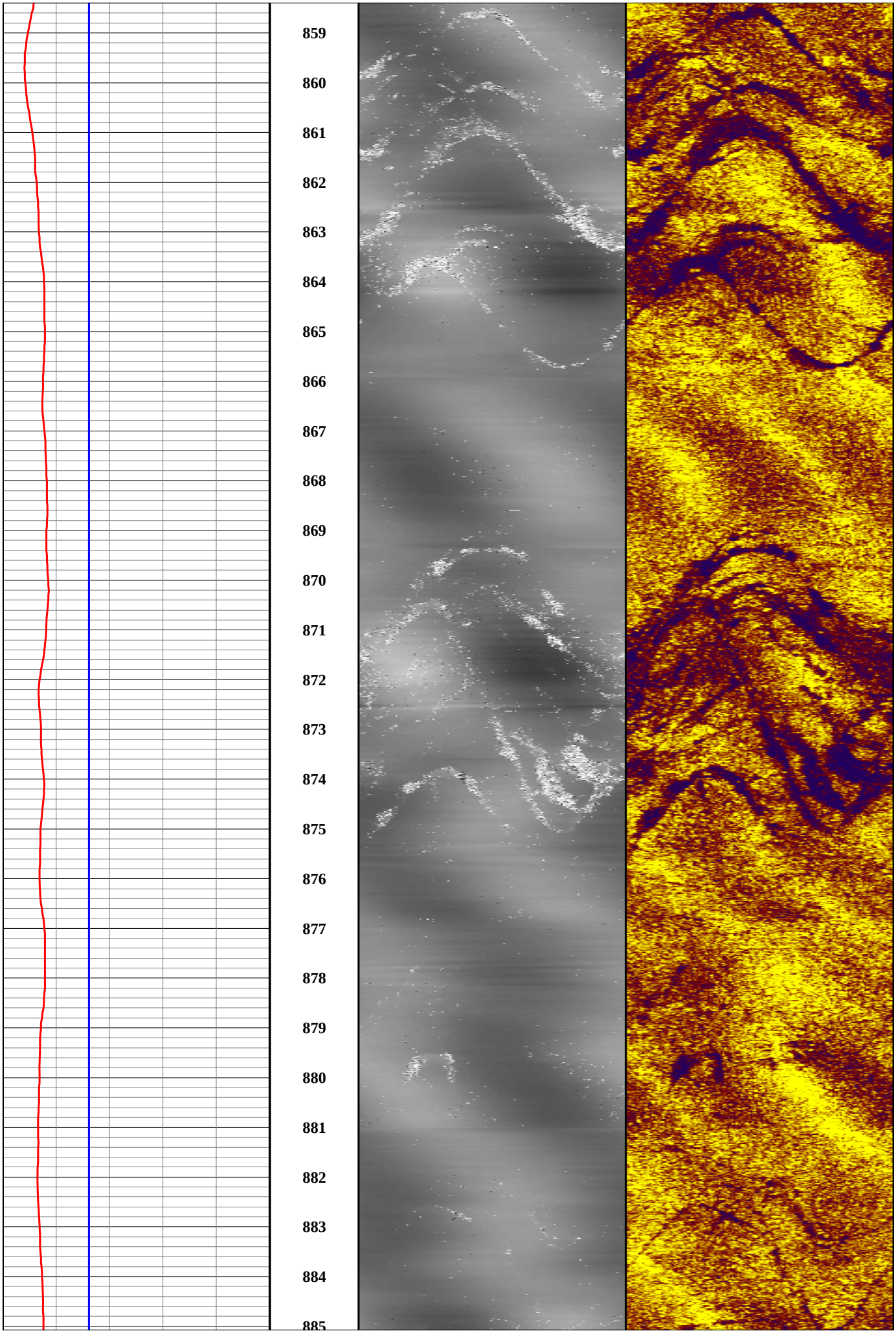

725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751

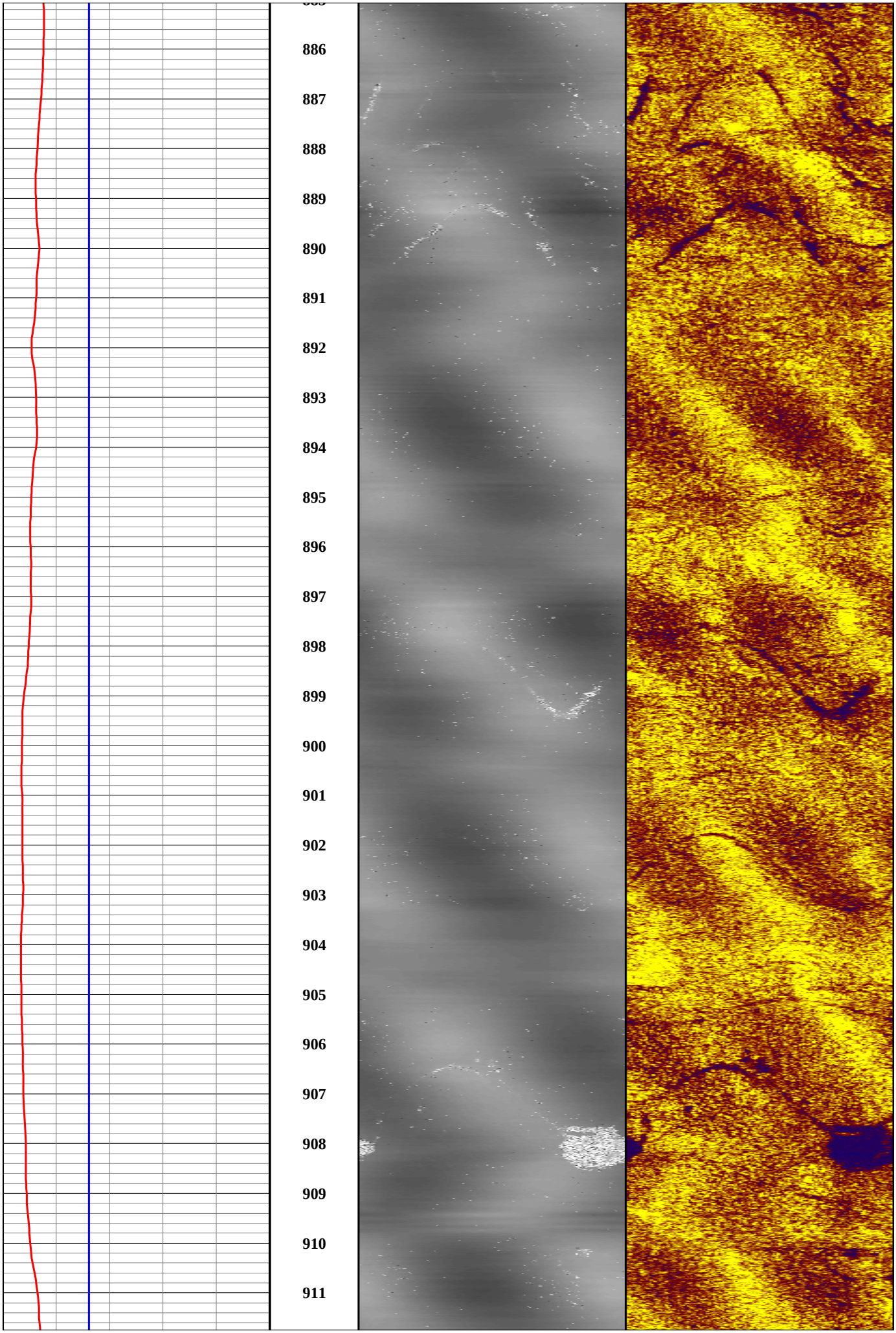

752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778

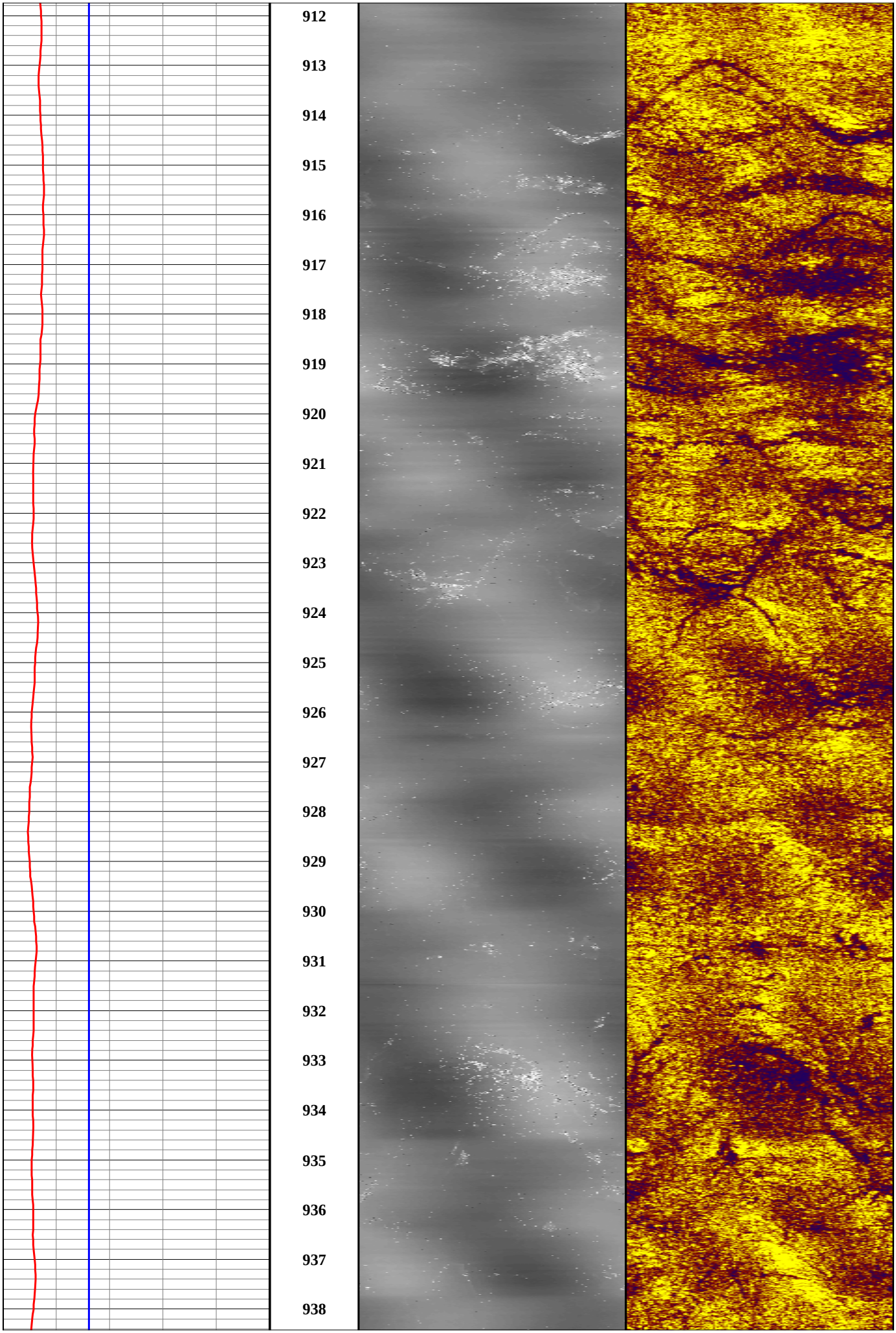

779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805

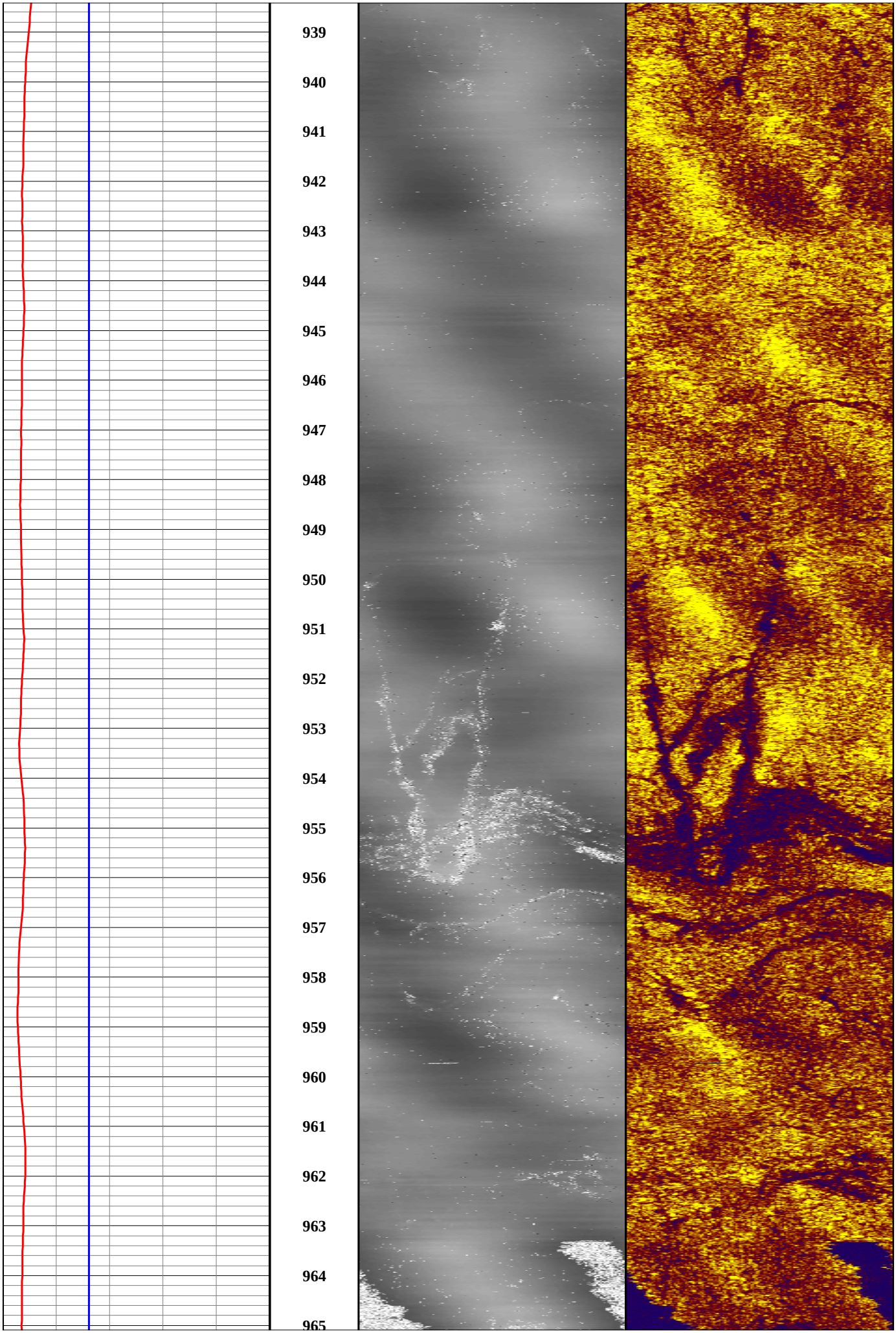

806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831

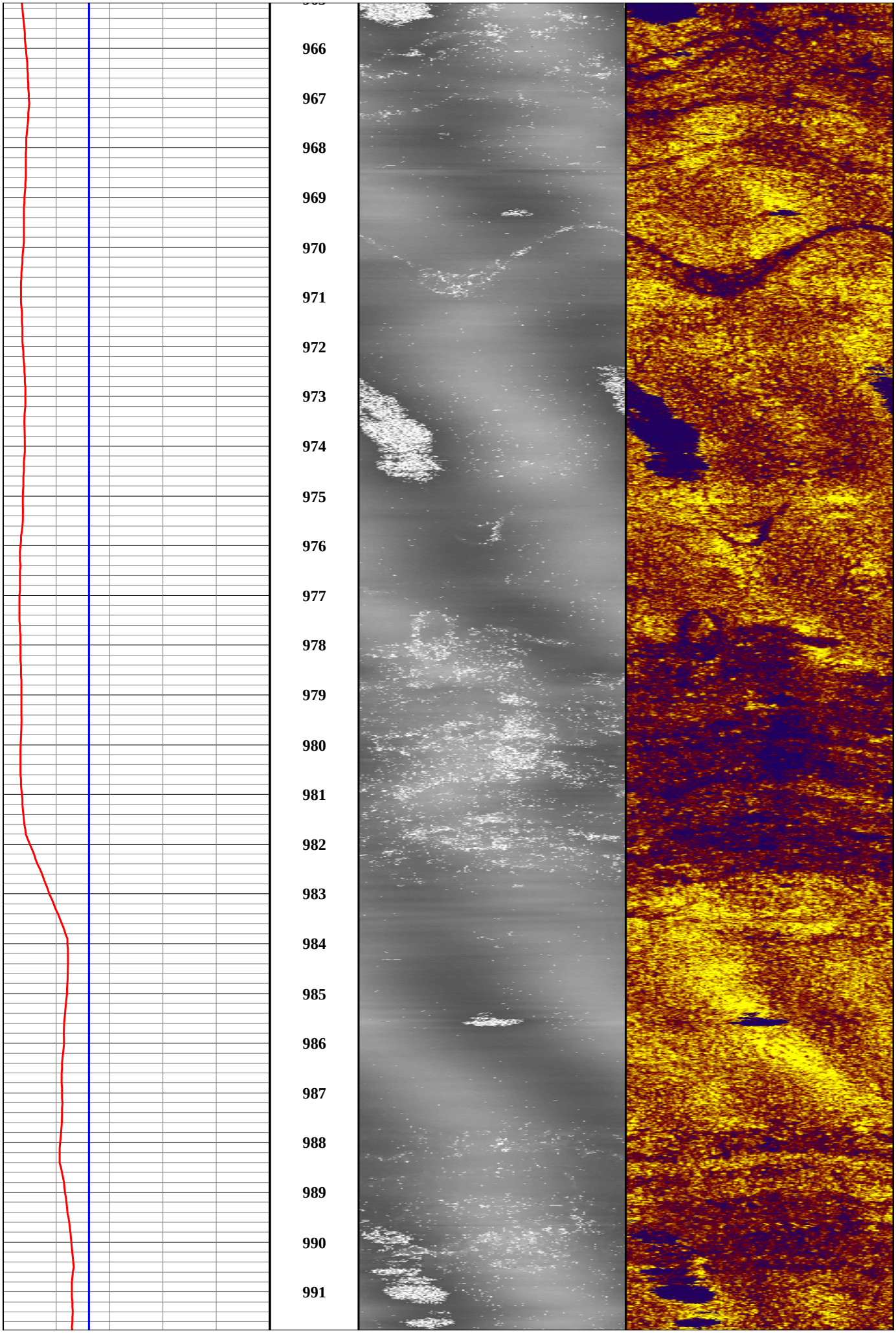

832
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858

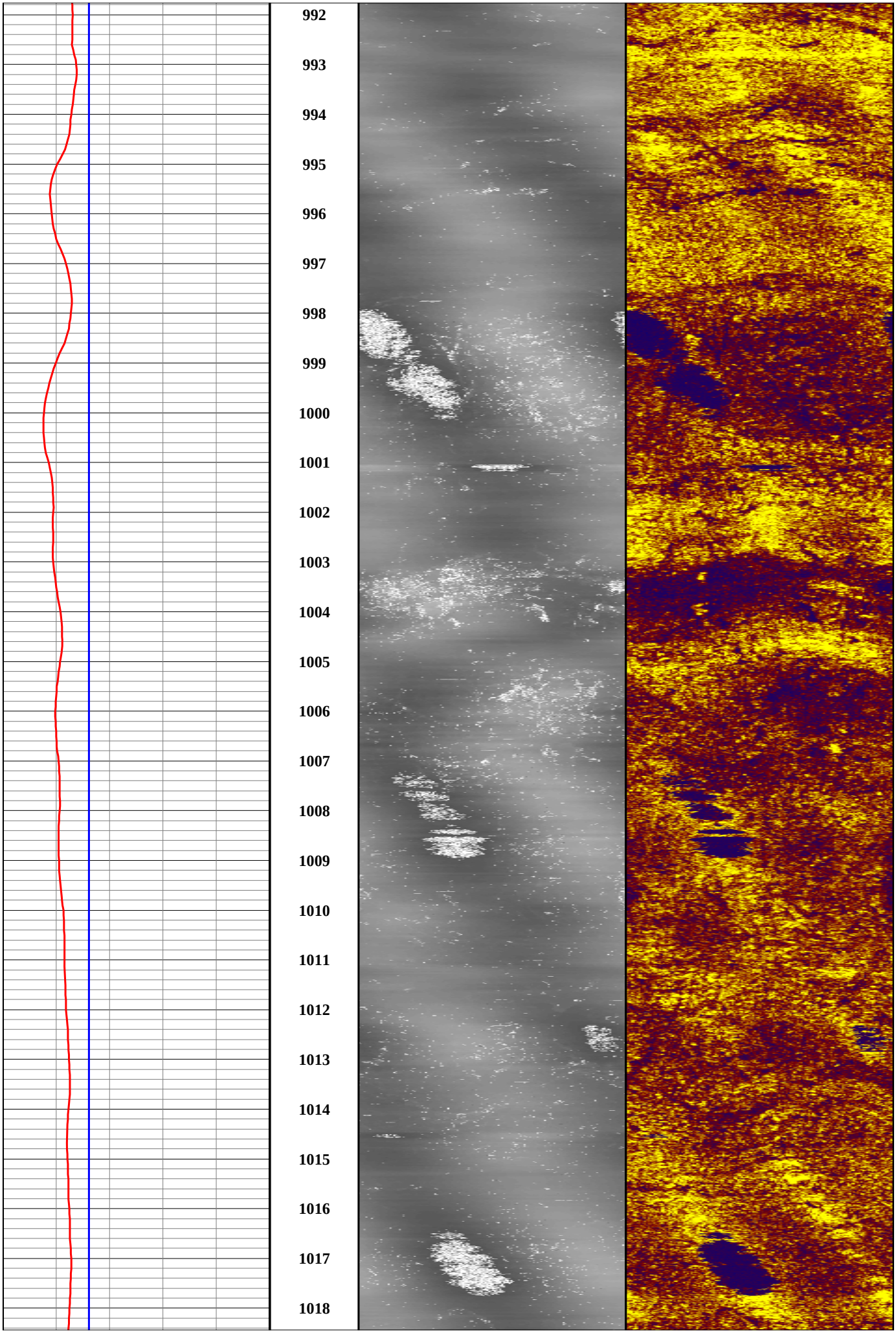

859
860
861
862
863
864
865
866
867
868
869
870
871
872
873
874
875
876
877
878
879
880
881
882
883
884
885

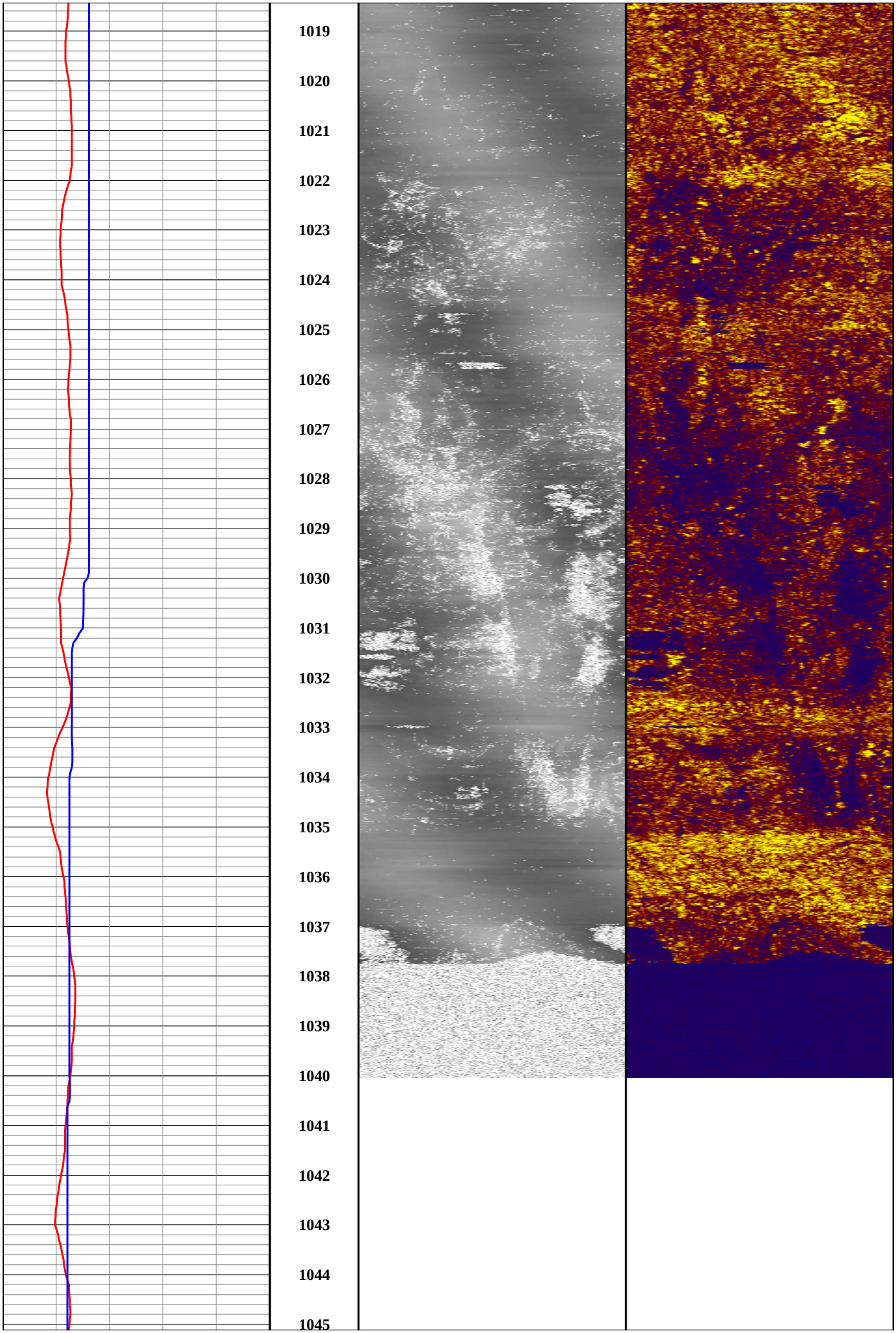

886
887
888
889
890
891
892
893
894
895
896
897
898
899
900
901
902
903
904
905
906
907
908
909
910
911

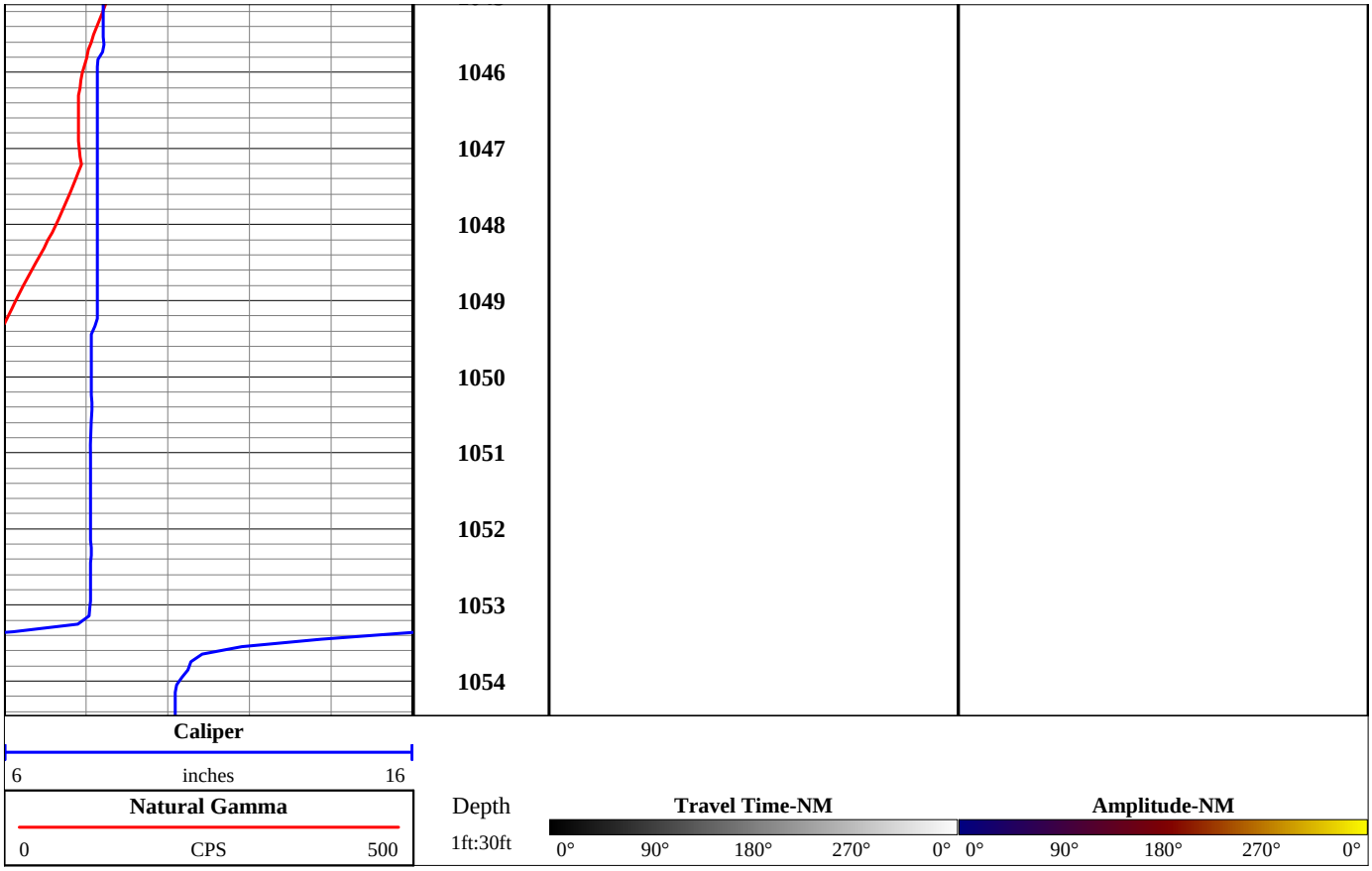

912
913
914
915
916
917
918
919
920
921
922
923
924
925
926
927
928
929
930
931
932
933
934
935
936
937
938


939
940
941
942
943
944
945
946
947
948
949
950
951
952
953
954
955
956
957
958
959
960
961
962
963
964
965


966
967
968
969
970
971
972
973
974
975
976
977
978
979
980
981
982
983
984
985
986
987
988
989
990
991


992
993
994
995
996
997
998
999
1000
1001
1002
1003
1004
1005
1006
1007
1008
1009
1010
1011
1012
1013
1014
1015
1016
1017
1018


1019
1020
1021
1022
1023
1024
1025
1026
1027
1028
1029
1030
1031
1032
1033
1034
1035
1036
1037
1038
1039
1040
1041
1042
1043
1044
1045


1046
1047
1048
1049
1050
1051
1052
1053
1054
Caliper
6
inches
16
Natural Gamma
0
CPS
500
Depth
1ft:30ft
Travel Time-NM
0°
90°
180°
270°
0°
Amplitude-NM
0°
90°
180°
270°
0°