

SAIC

Borehole: MW-1D

New Hanover, PA

top of borehole.....

East: _

North: _

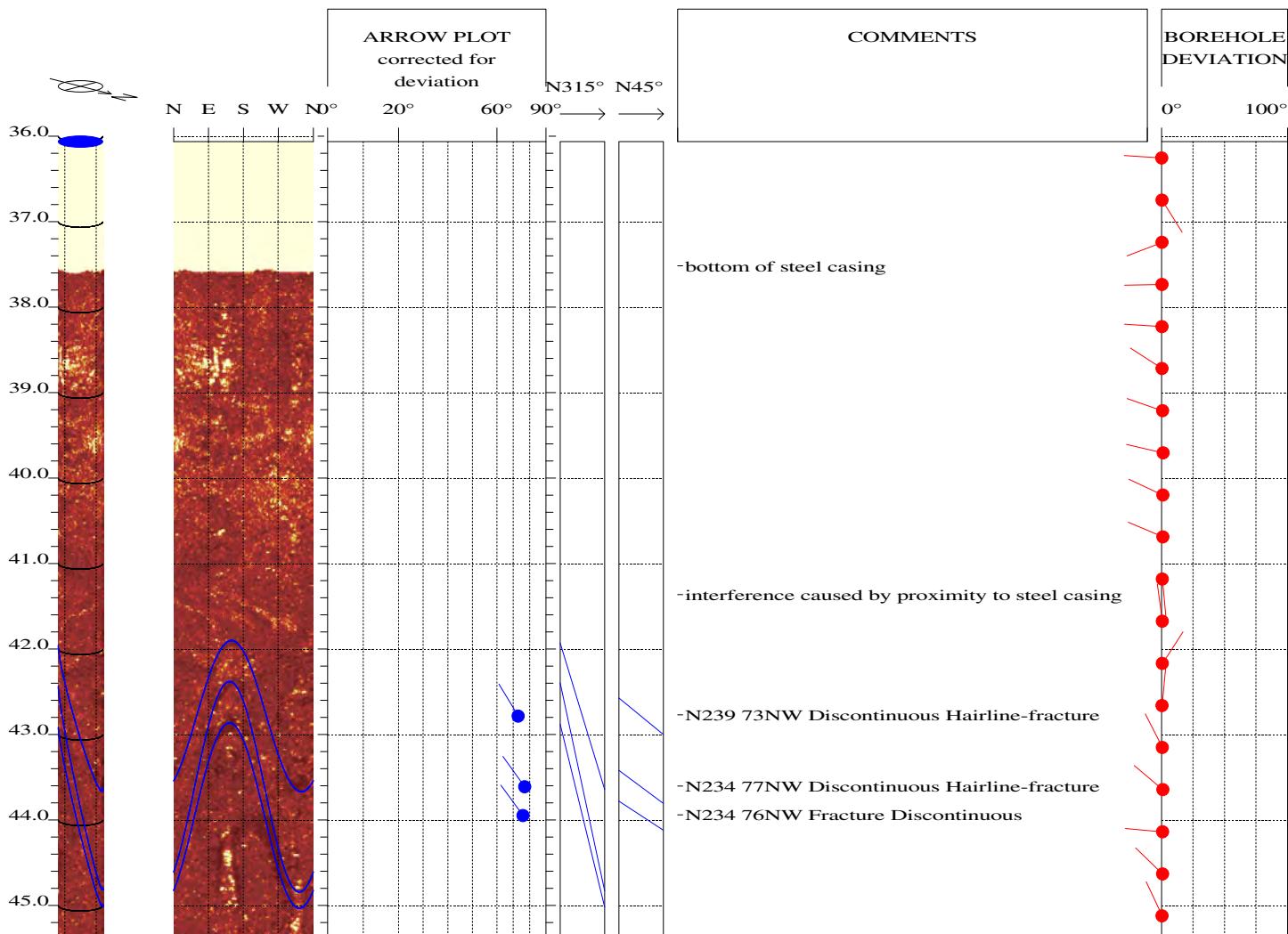
Elev: _

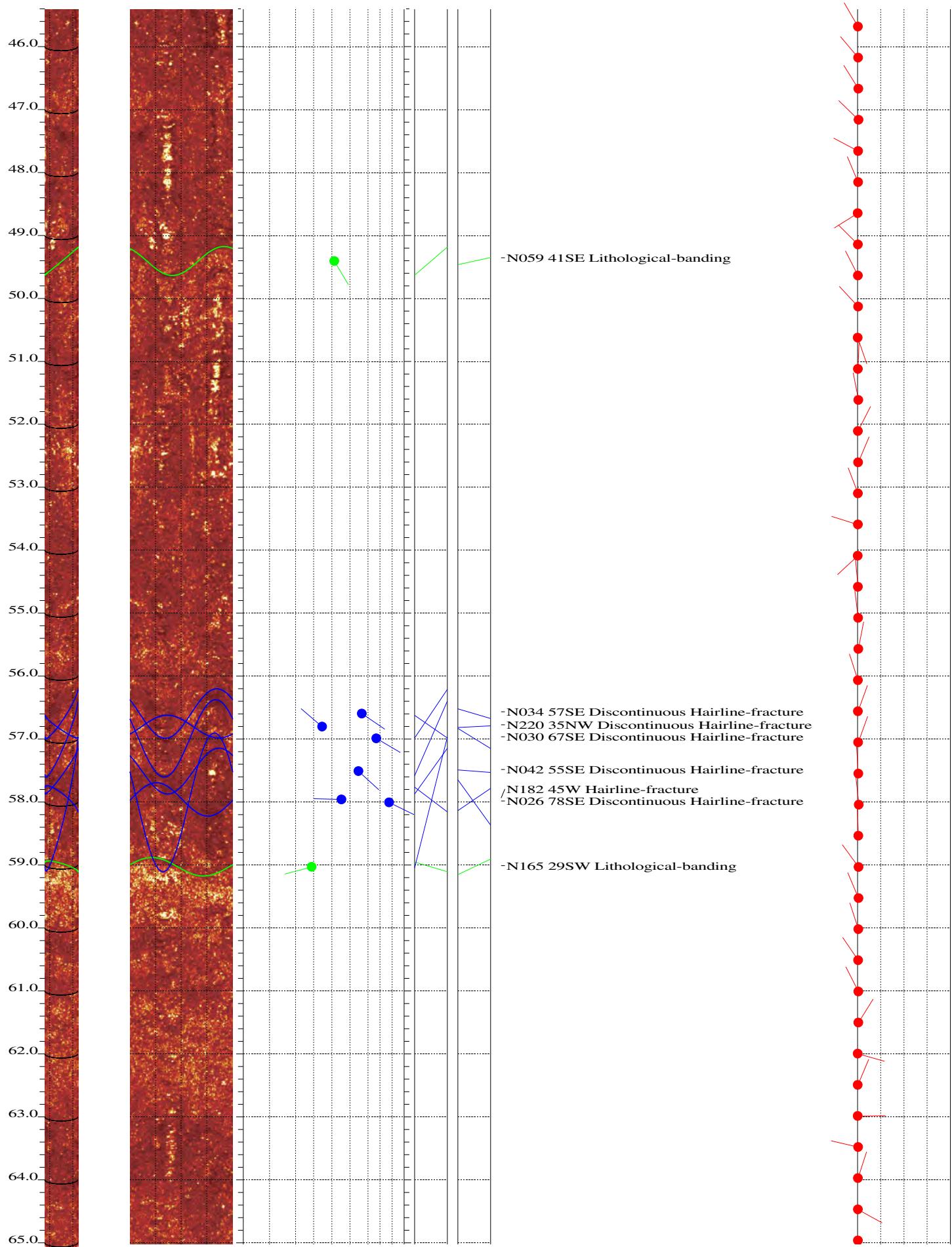
North ref. is true
Depth units are feet
Vertical scale: 1/24
Horiz scale = 1.00x Vert scale

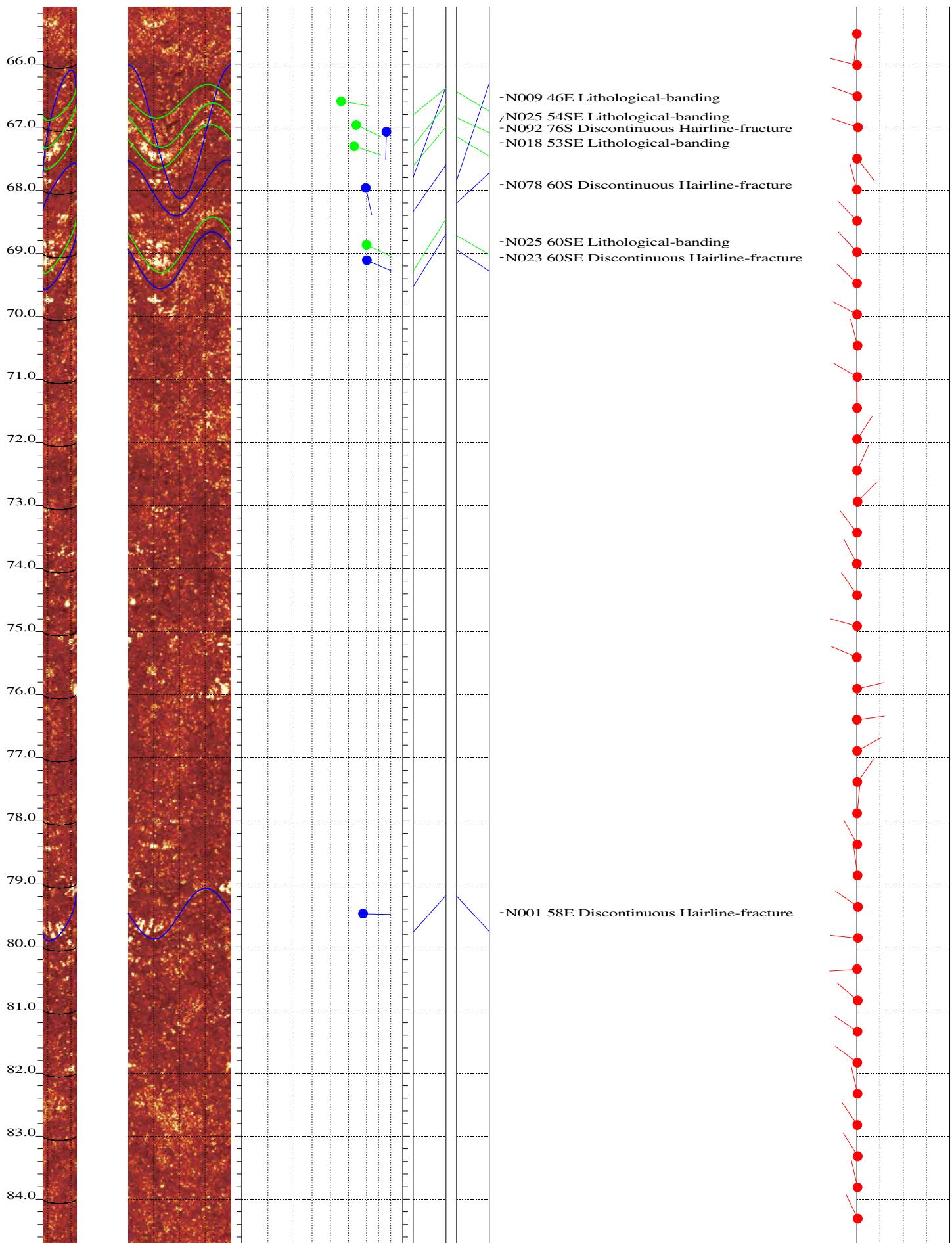
Zone from 300.000 to 36.000ft

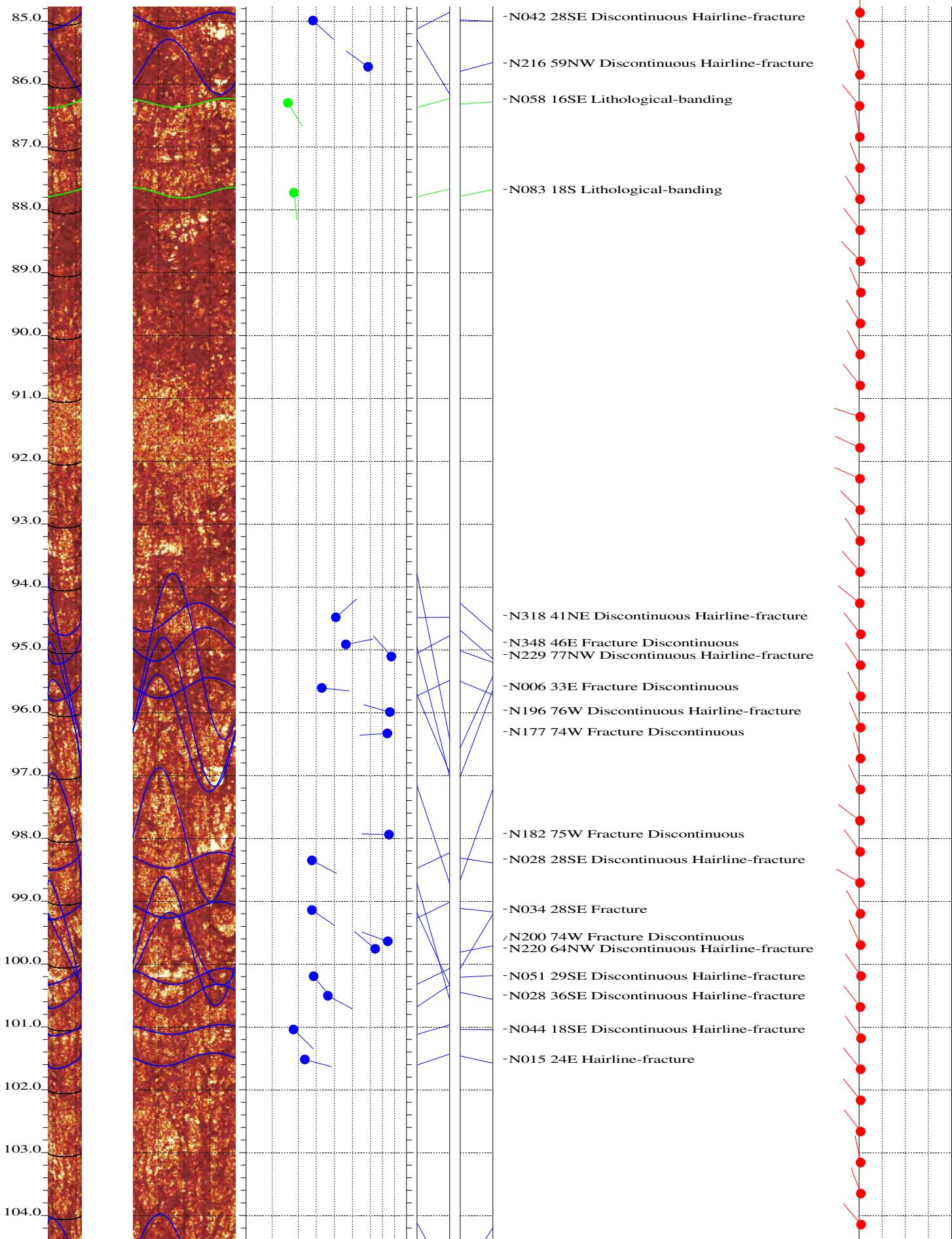
Format: BHTV-NESWN

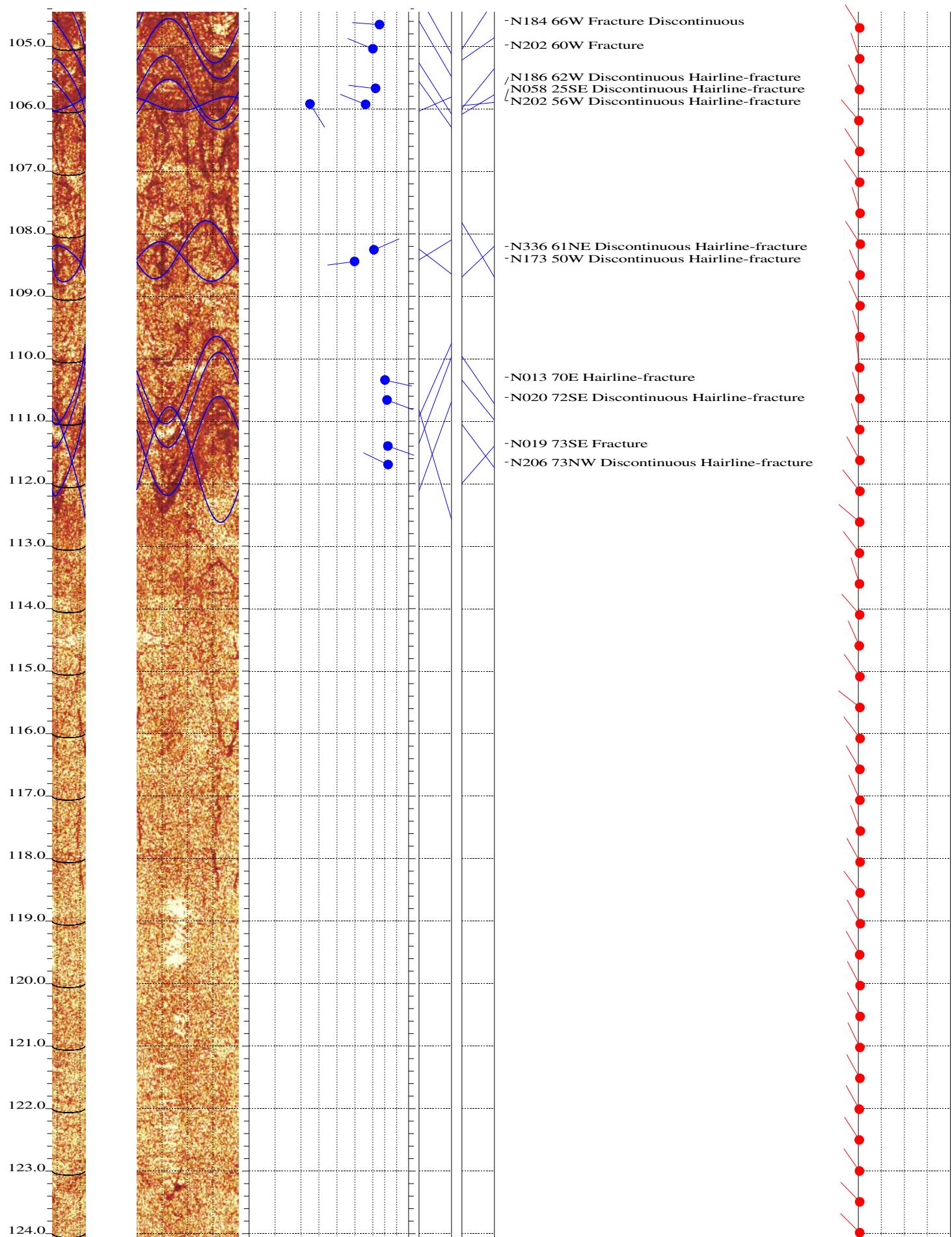
Borehole diam: 6.250inch
Vertical = borehole-axis
Image: Amplitude

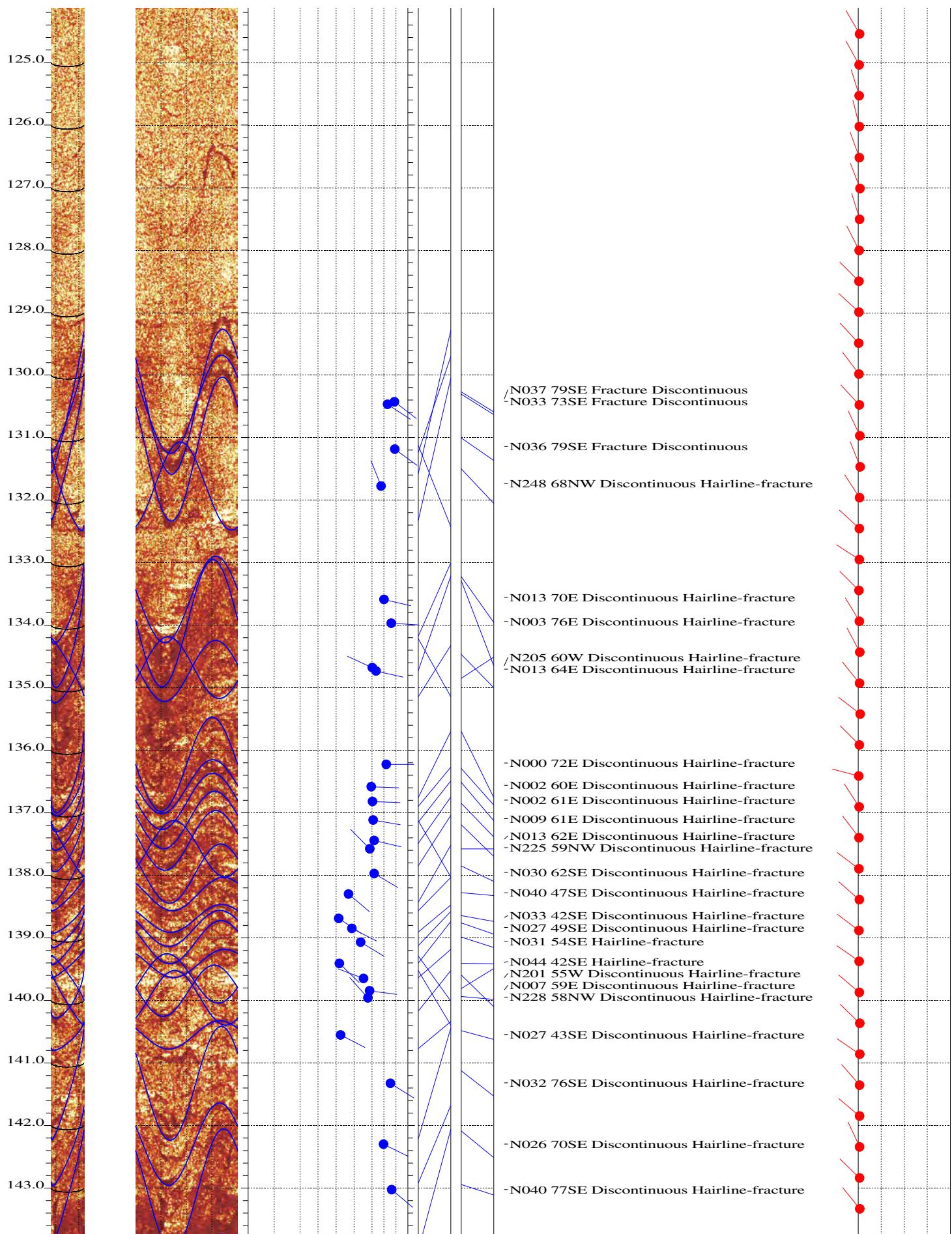


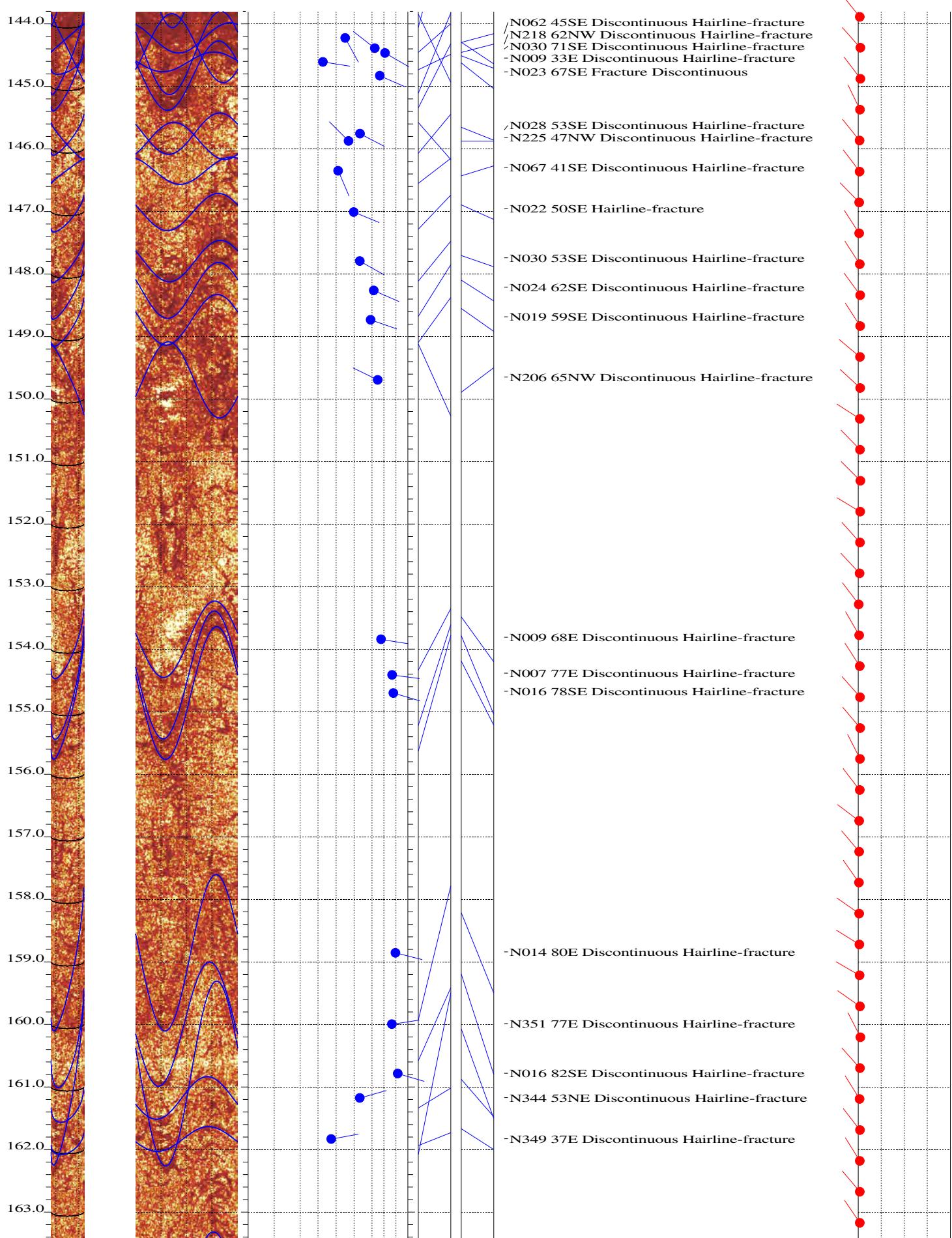


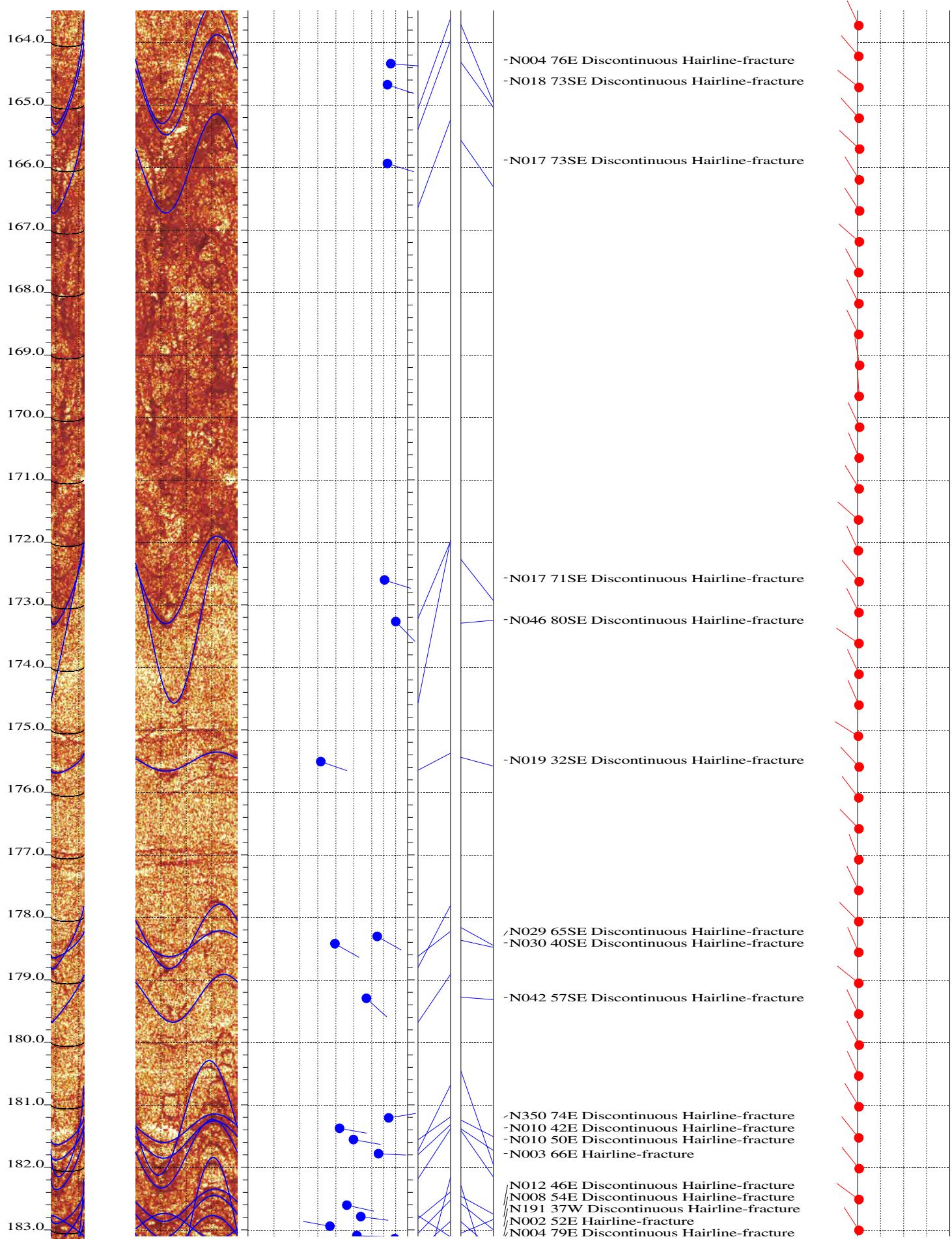


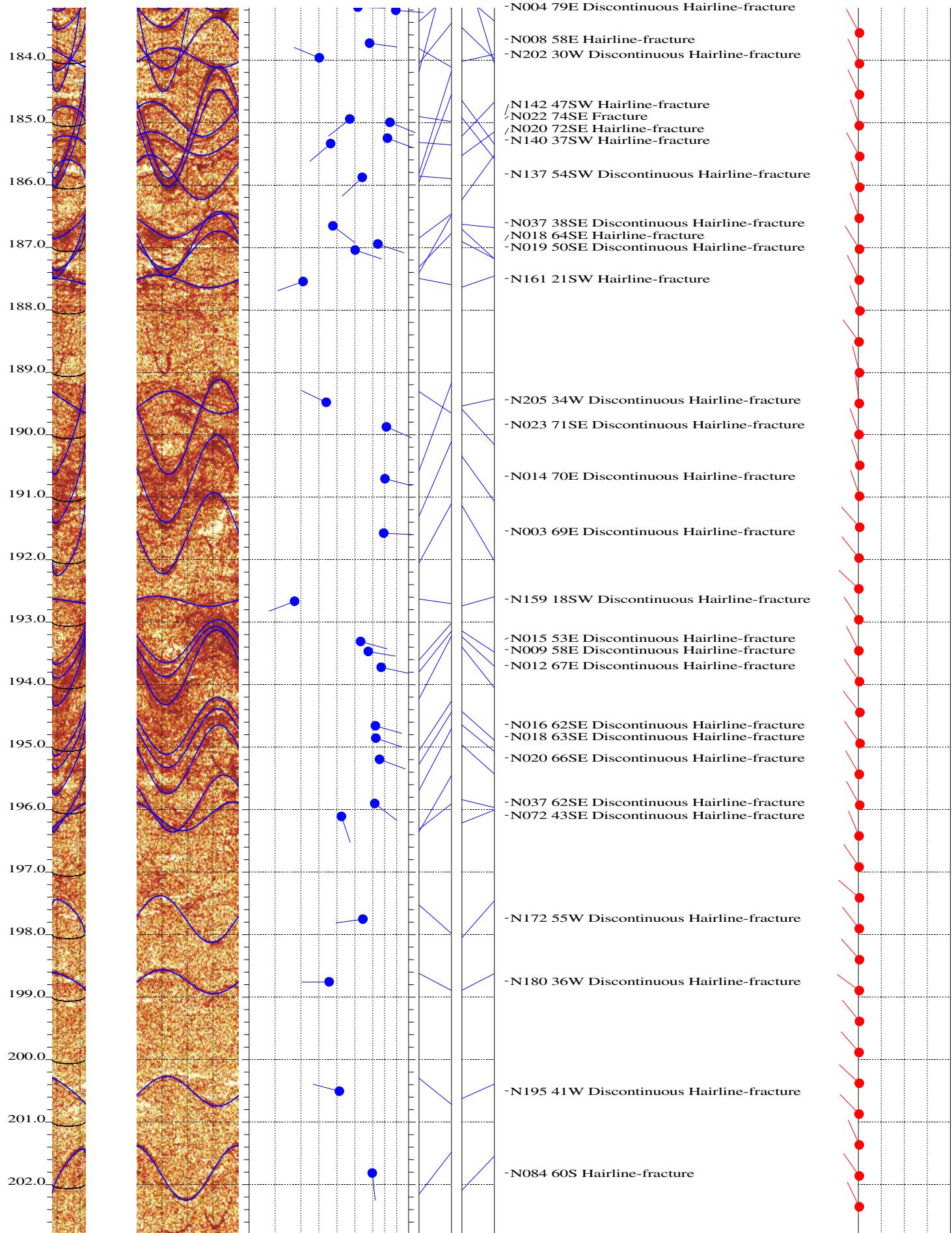


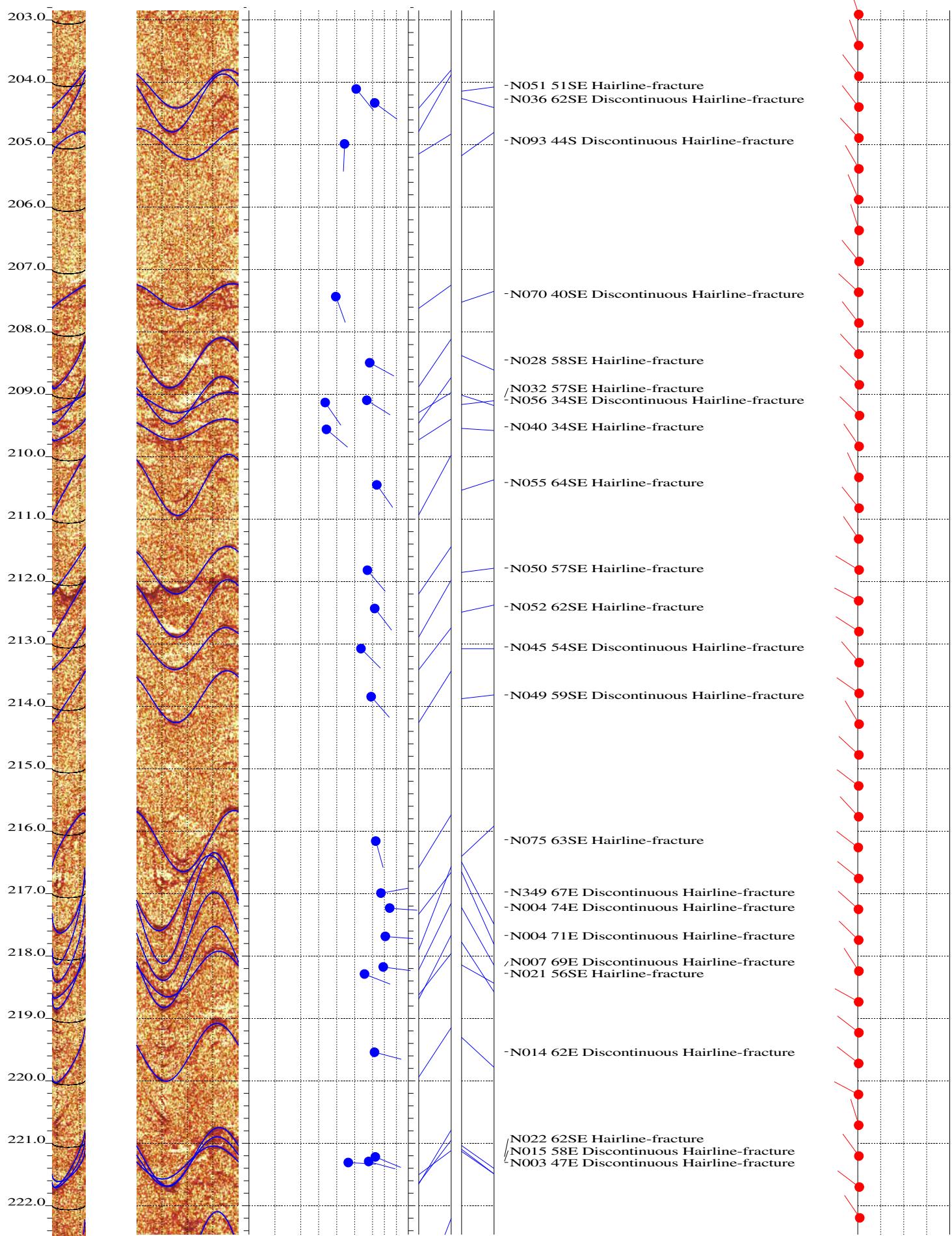


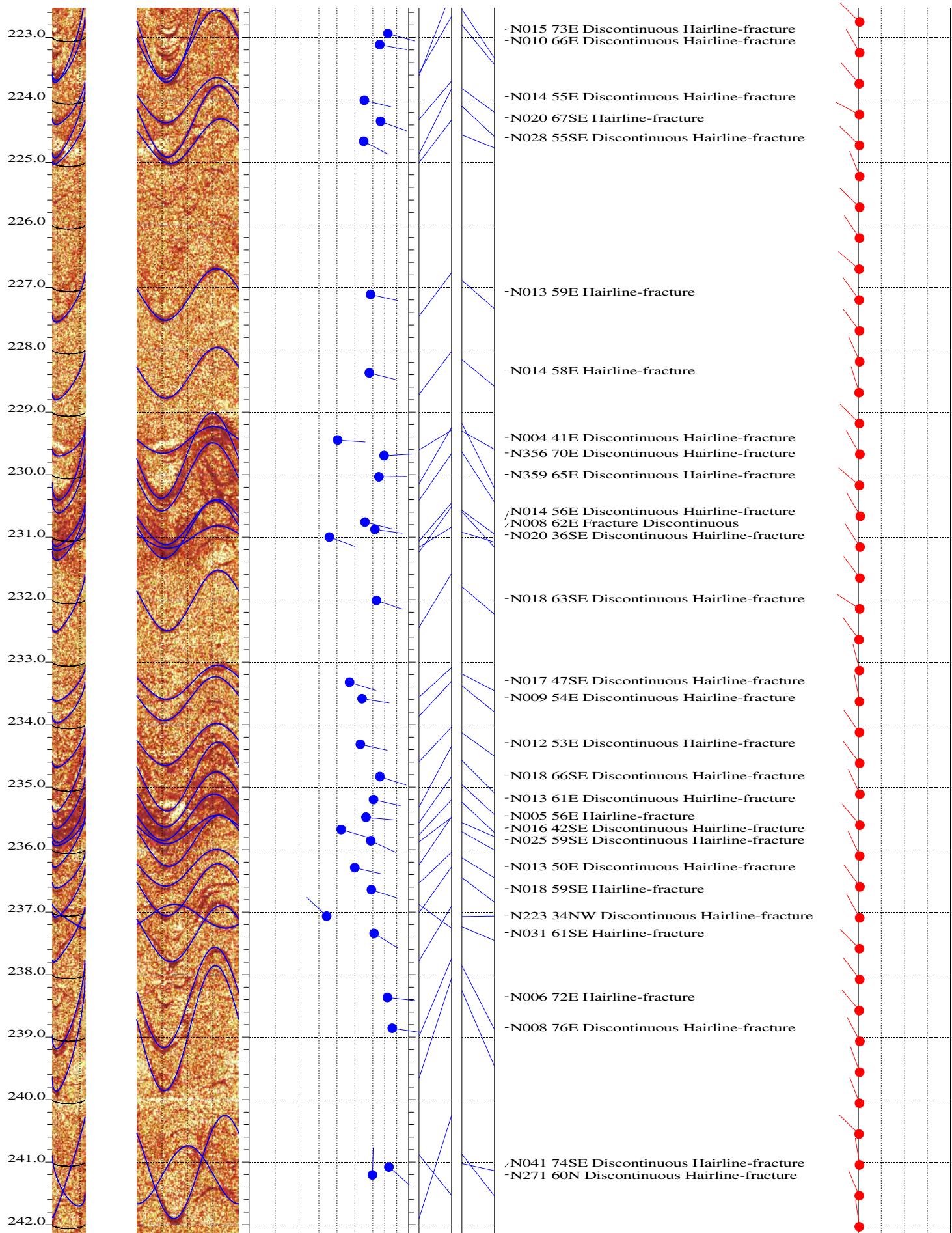


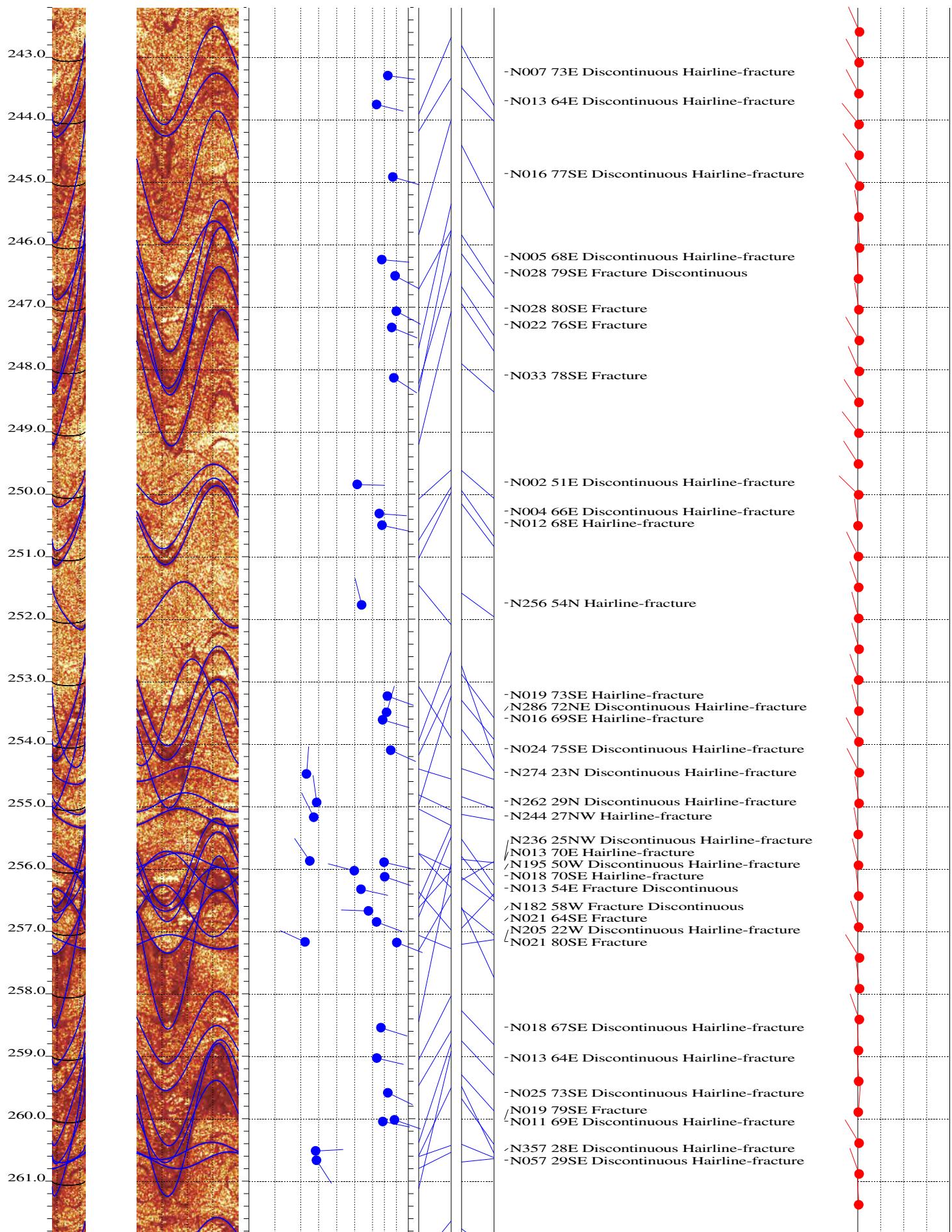


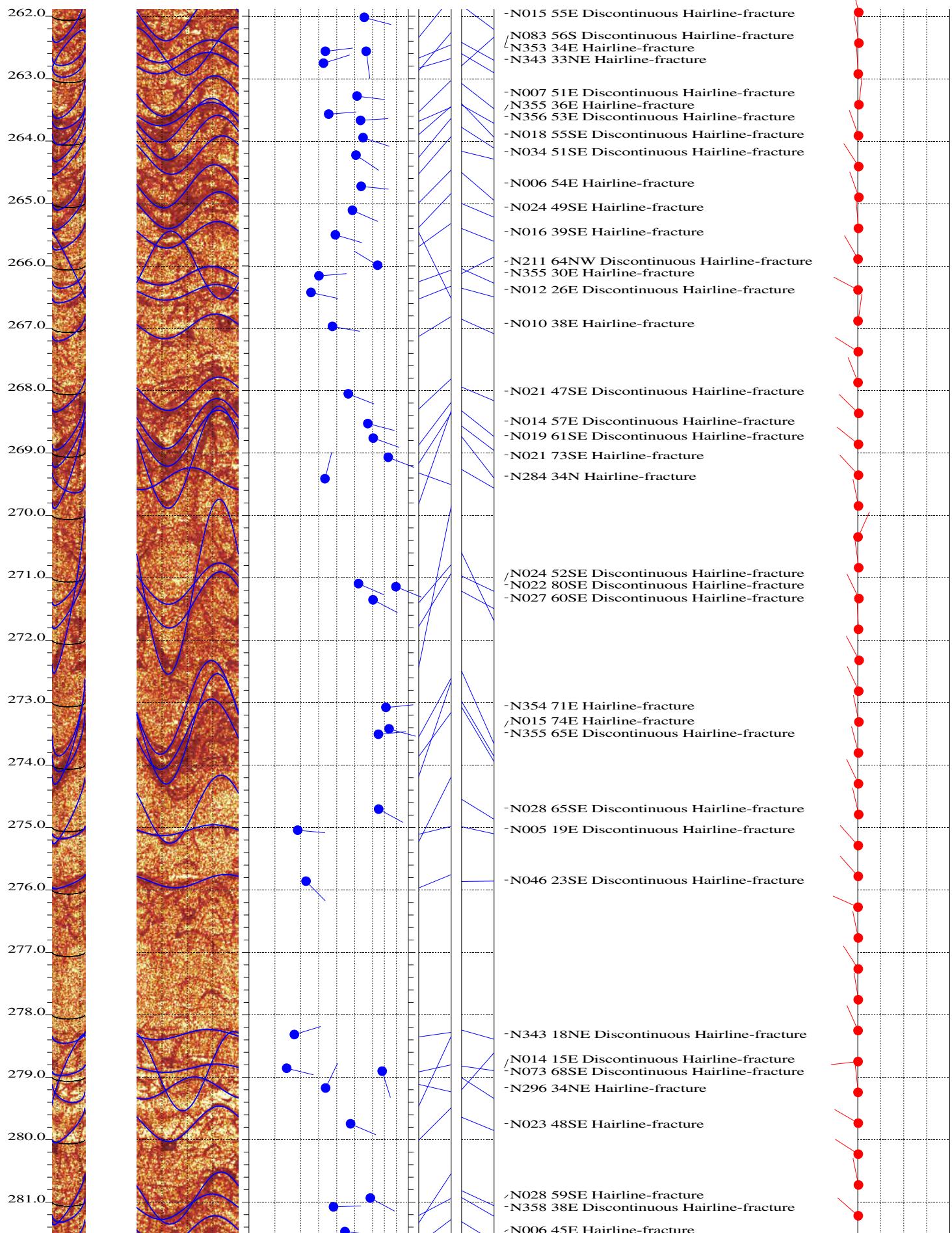


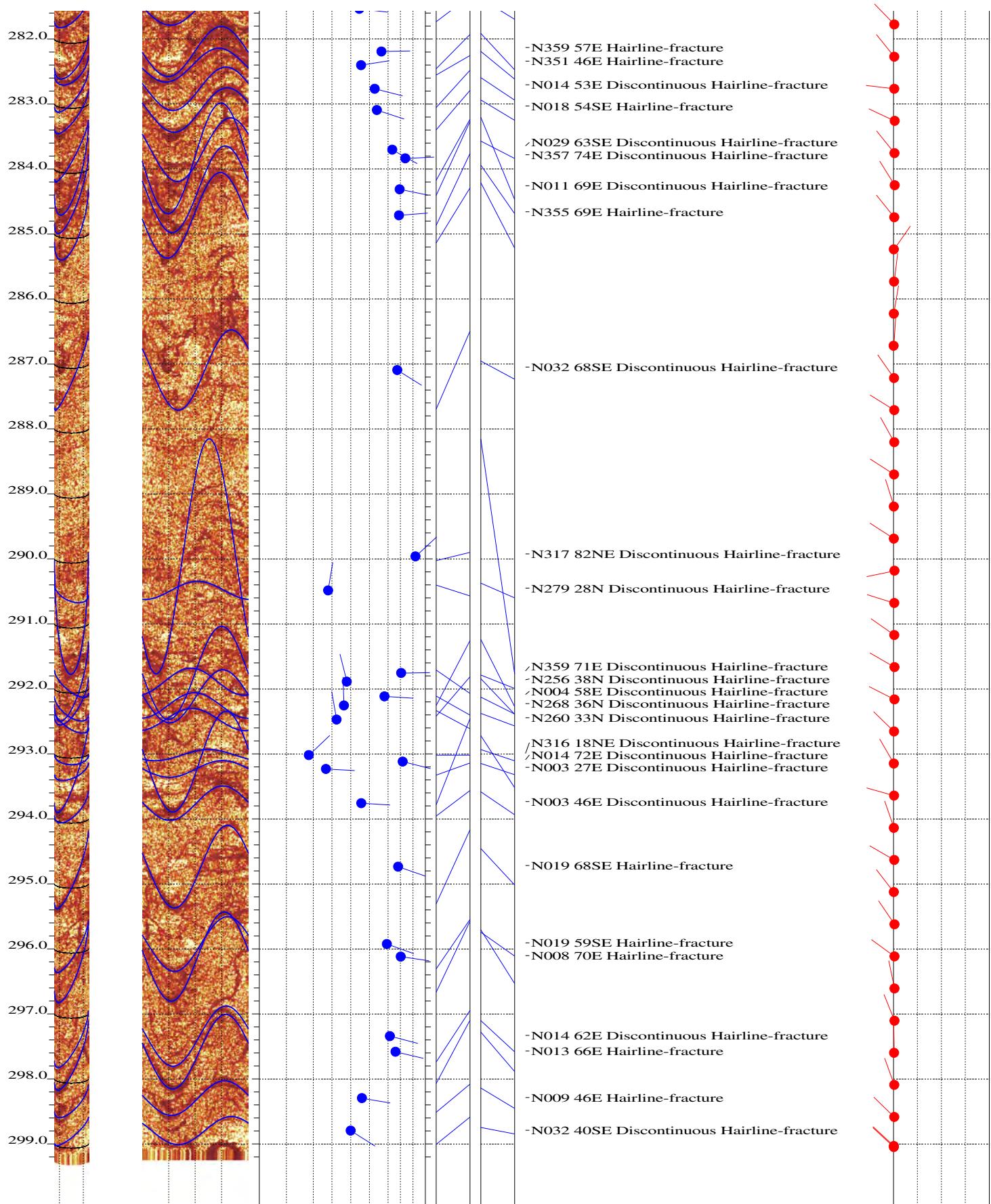














DIP DATA INTERPRETATION
RGLDIP vsn 6.1
STRIKE-DIRECTION, FRACTURE ROSE-DIAGRAM

08 May 2012

SAIC

Borehole: MW-1D

New Hanover, PA

top of borehole.....

East: _

North: _

Alt: _

North ref. is true
Depth units are feet

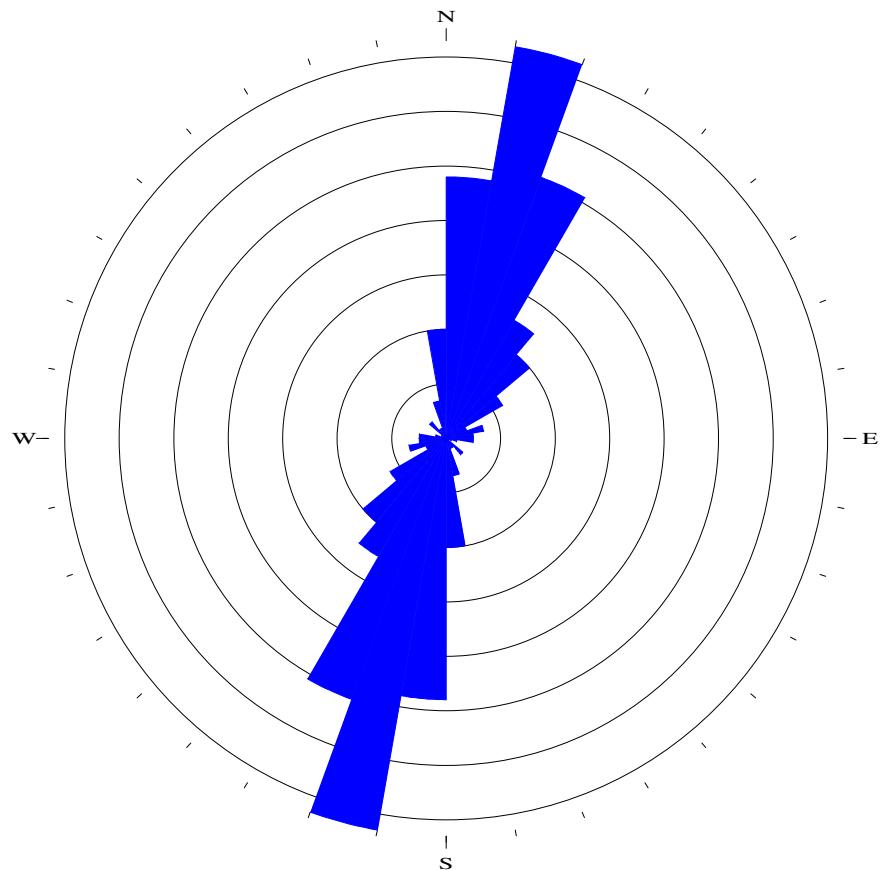
Zone from 299.244 to 42.270ft

Interpretation 1

Dip data sets

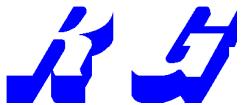
BHTV dips

MW-1D
42.270 - 299.244ft
Strike-direction, fracture rose-diagram



Azimuth Incr = 10°
N = 288

0 10 20 30 40 50 60 70



DIP DATA INTERPRETATION
RGLDIP vsn 6.1
DIP-AZIMUTH, FRACTURE ROSE-DIAGRAM

08 May 2012

SAIC

Borehole: MW-1D

New Hanover, PA

top of borehole.....

East: _

North: _

Alt: _

North ref. is true
Depth units are feet

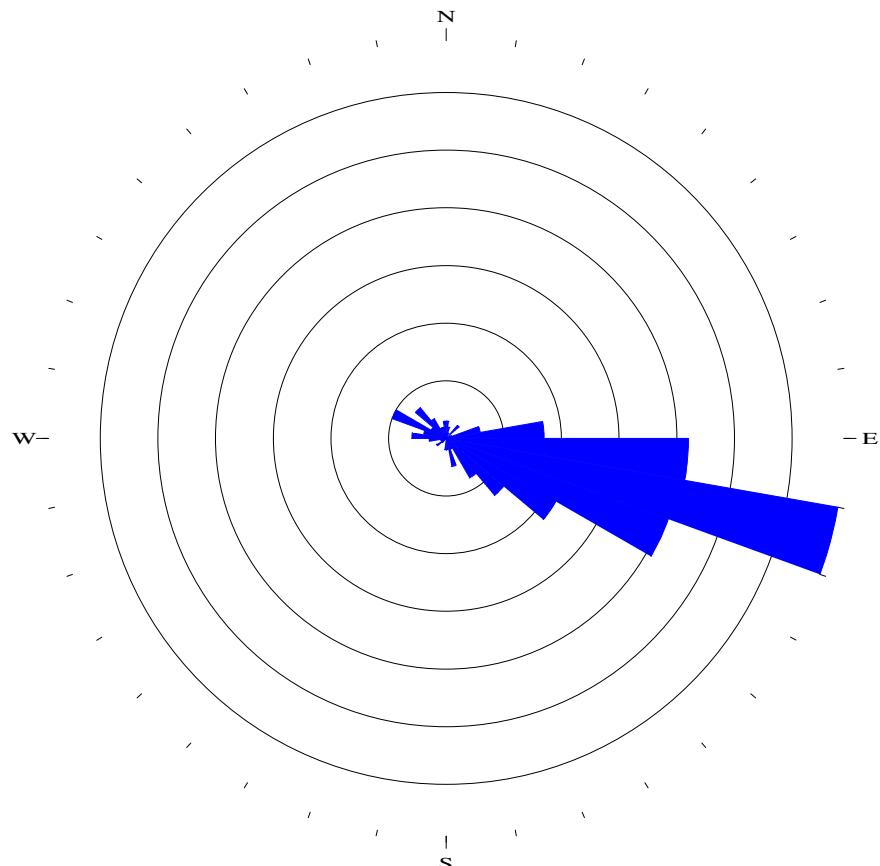
Zone from 299.244 to 42.270ft

Interpretation 1

Dip data sets

BHTV dips

MW-1D
42.270 - 299.244ft
Dip-azimuth, fracture rose-diagram



Azimuth Incr = 10°
N = 288

0 10 20 30 40 50 60

SAIC

Borehole: MW-2D

New Hanover, PA

top of borehole.....

East: _

North: _

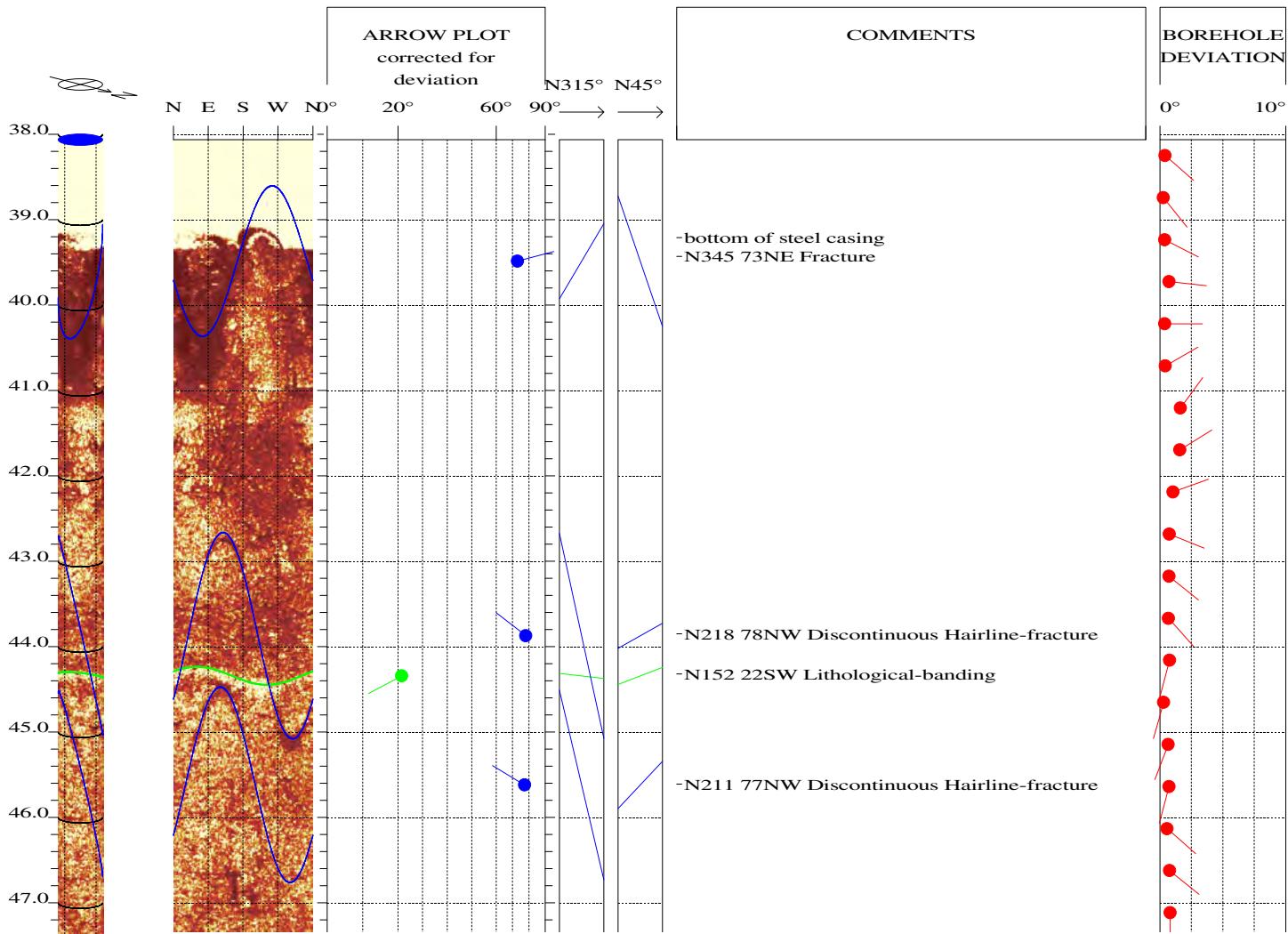
Elev: _

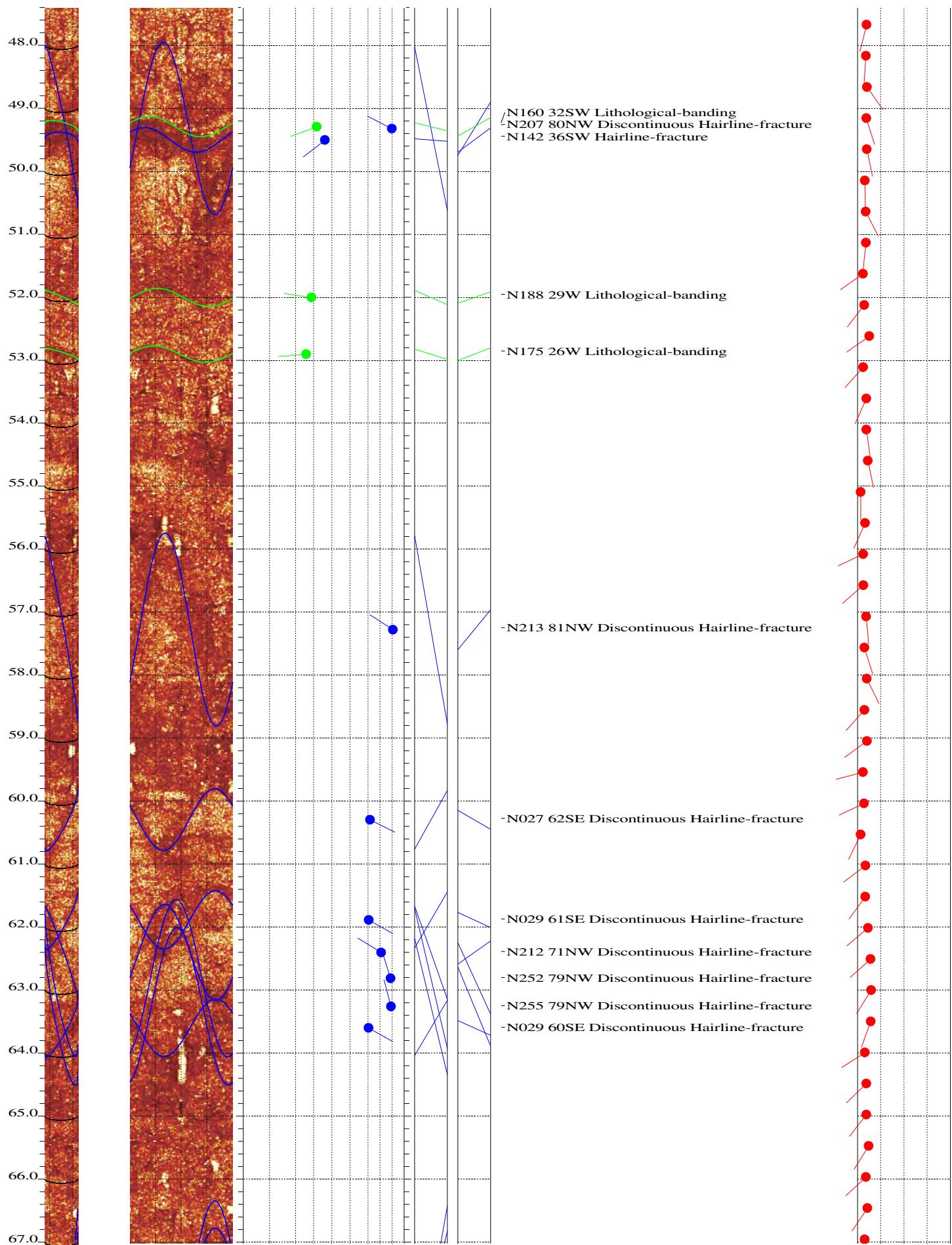
North ref. is true
Depth units are feet
Vertical scale: 1/24
Horiz scale = 1.00x Vert scale

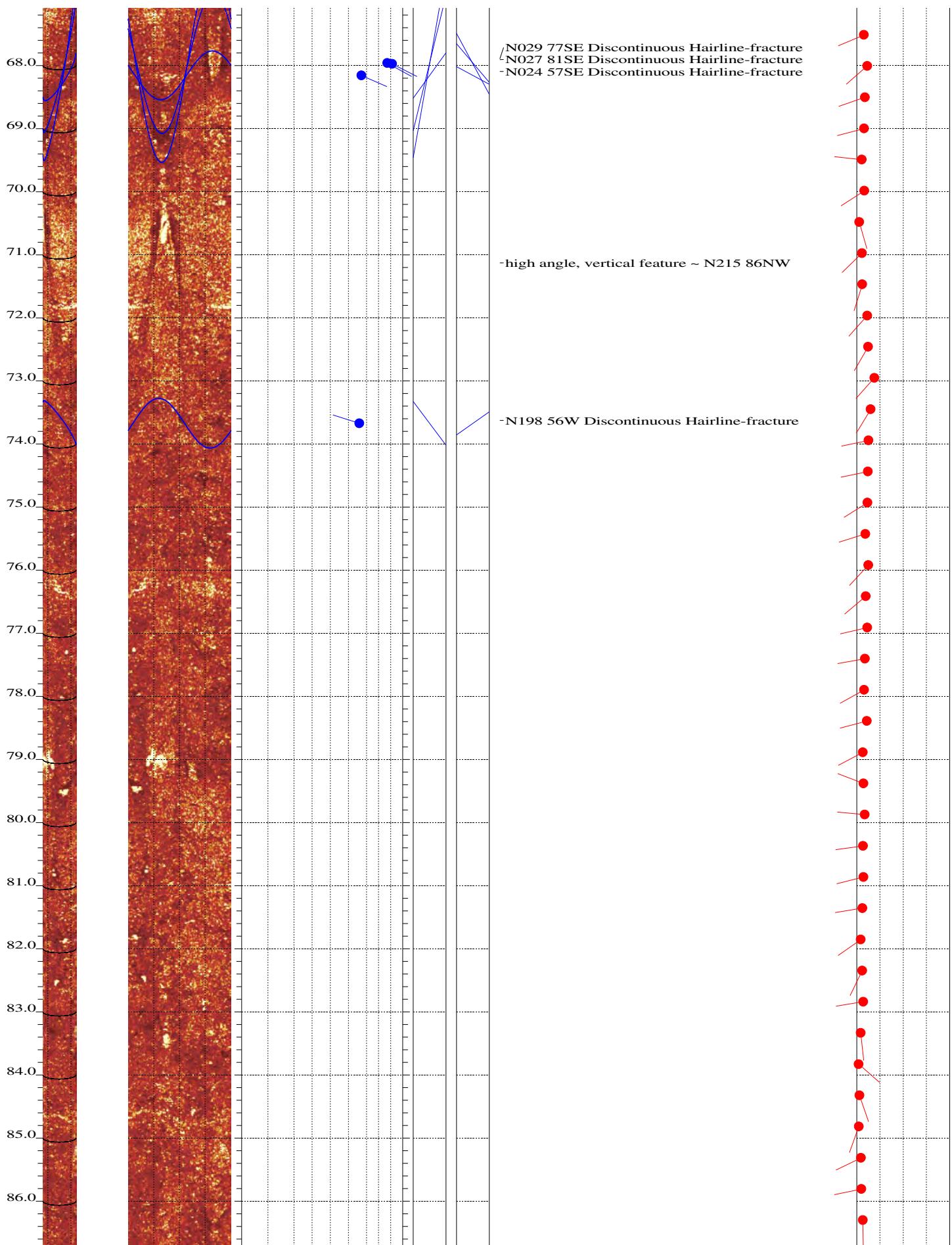
Zone from 300.000 to 38.000ft

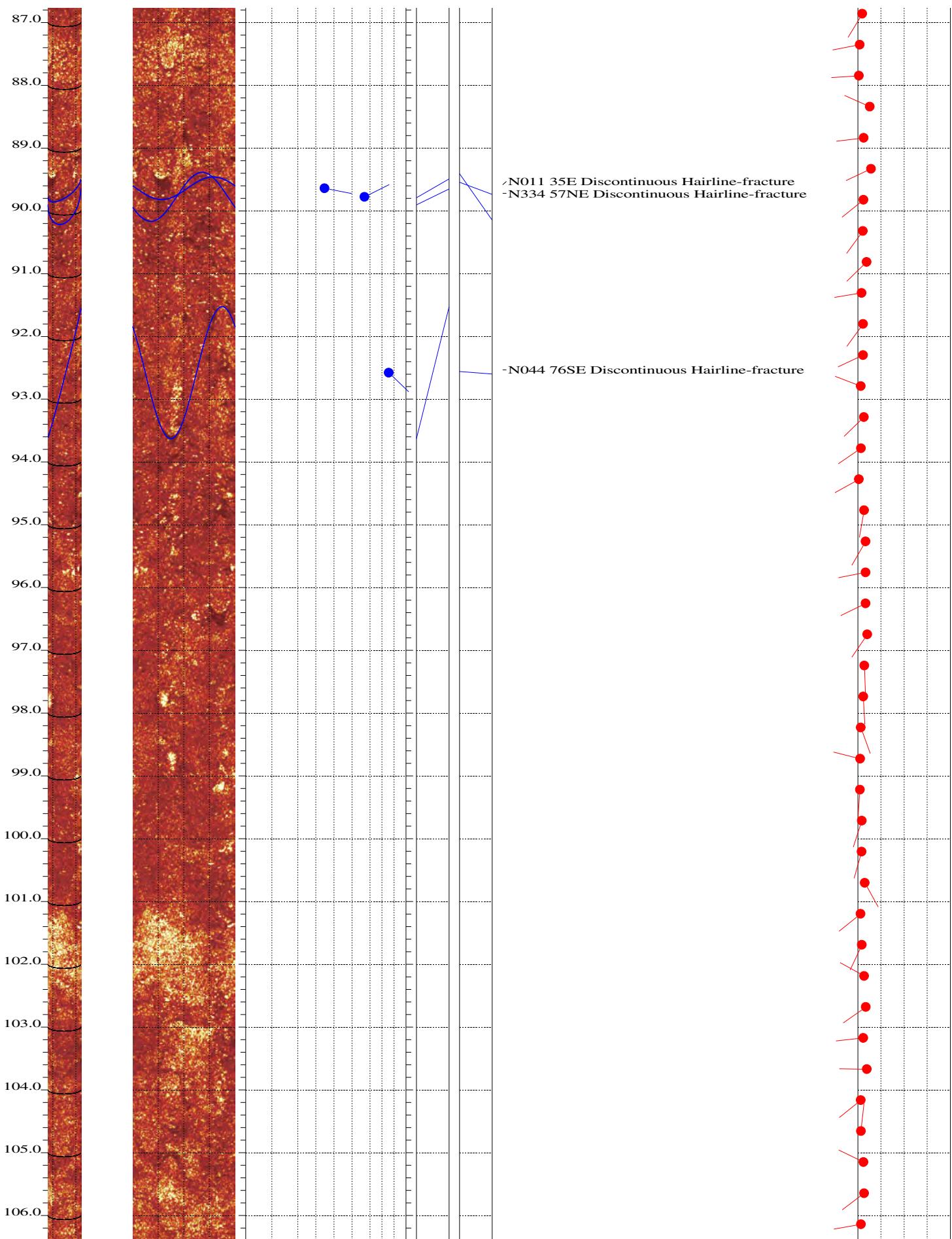
Format: BHTV-NESWN

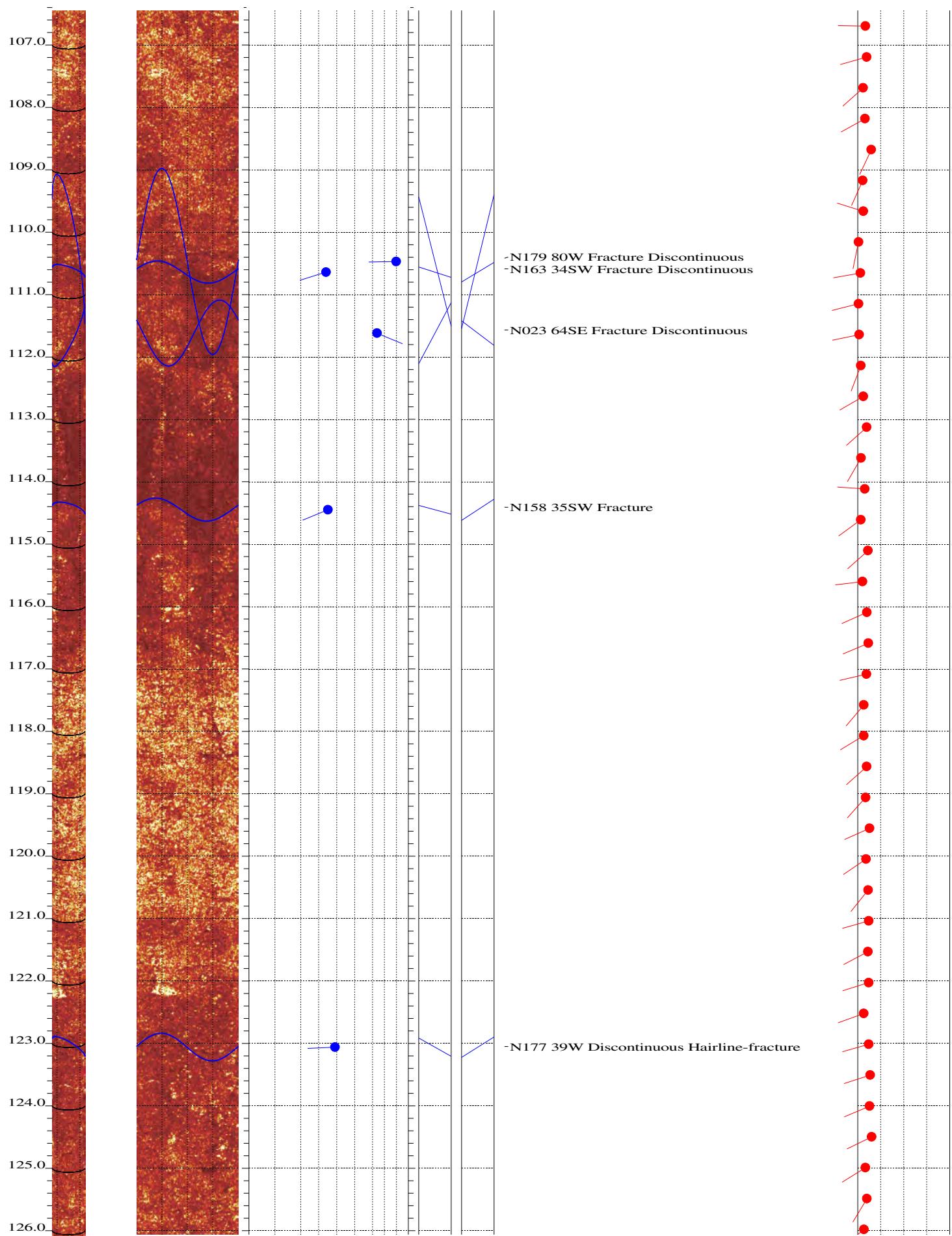
Borehole diam: 6.250inch
Vertical = borehole-axis
Image: Amplitude

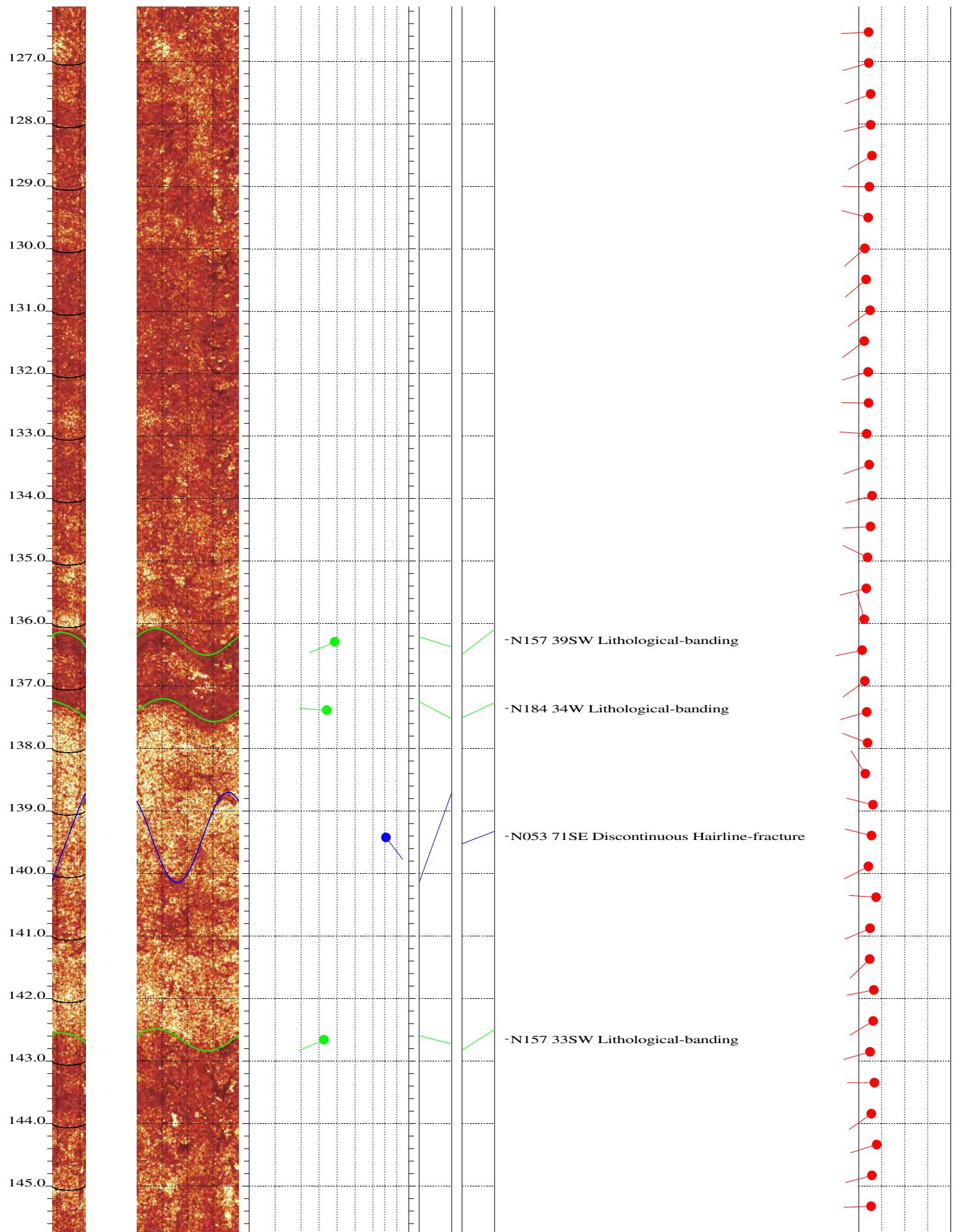


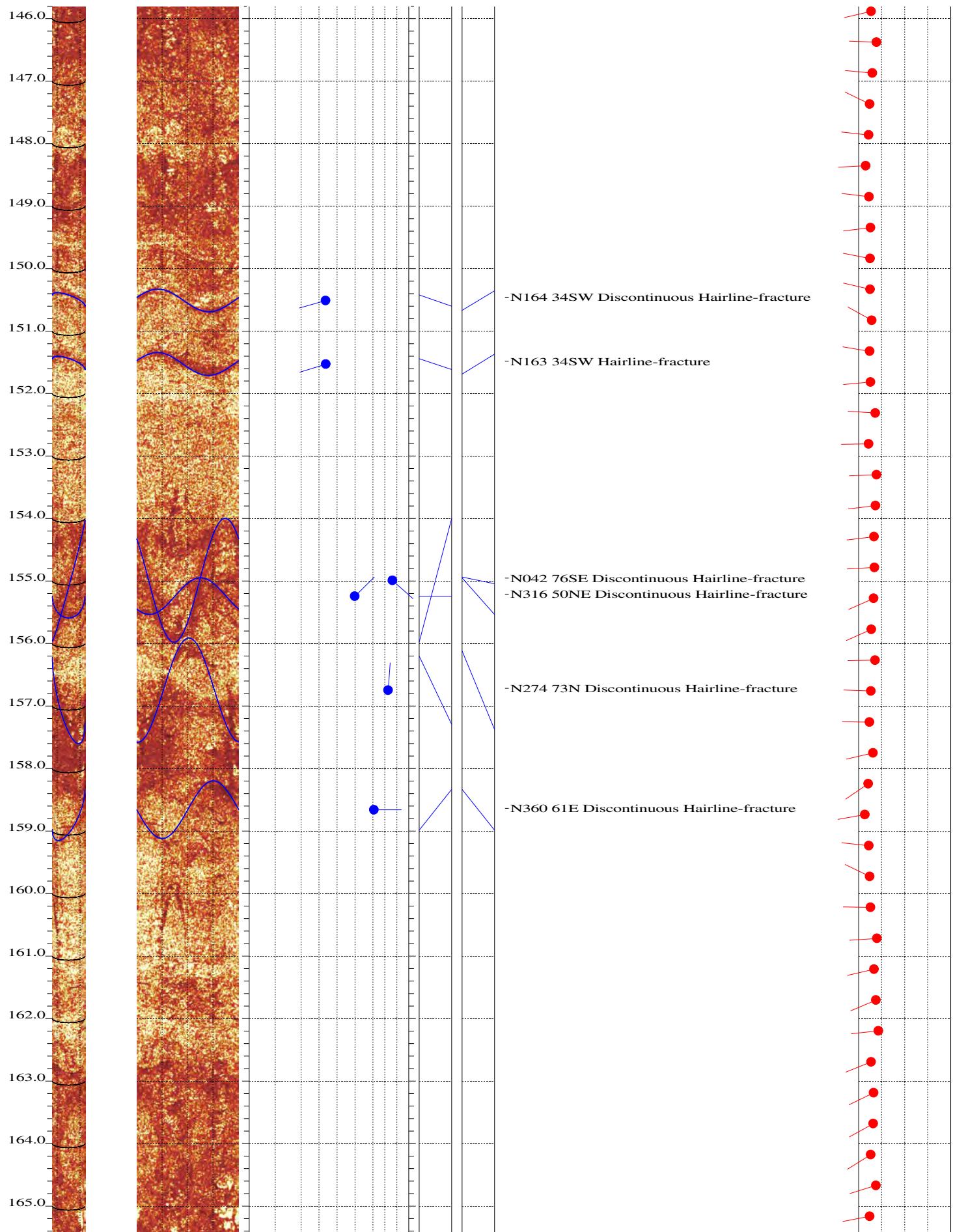


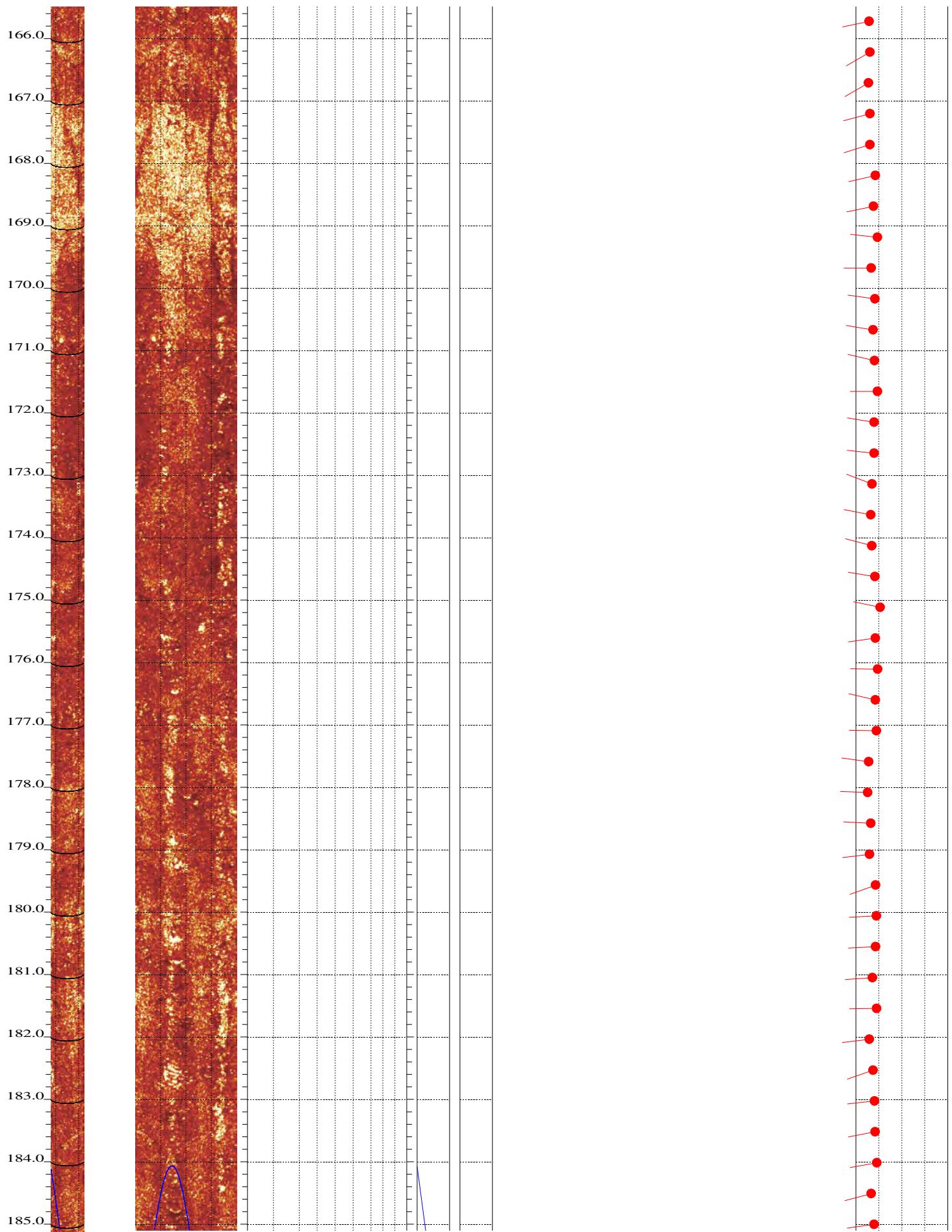


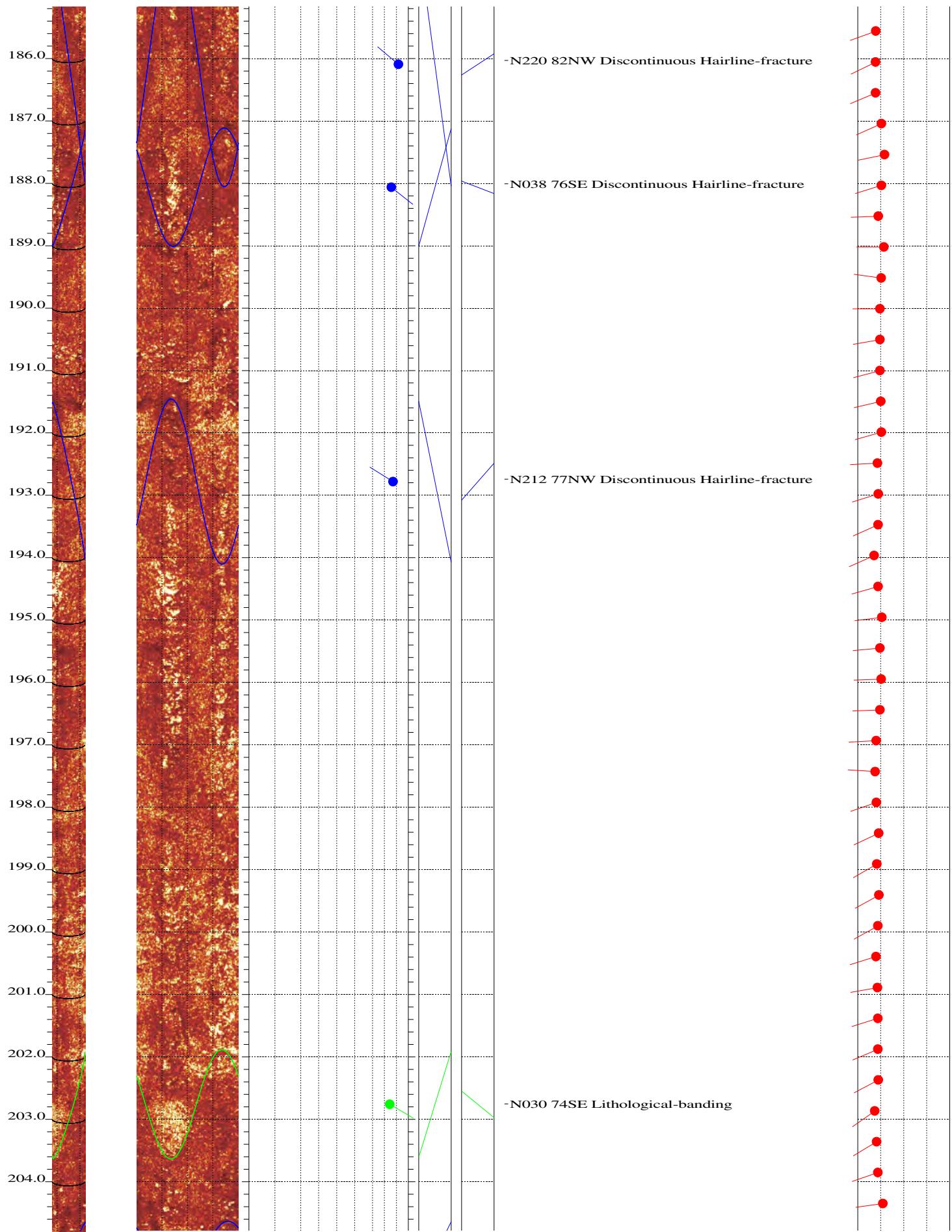


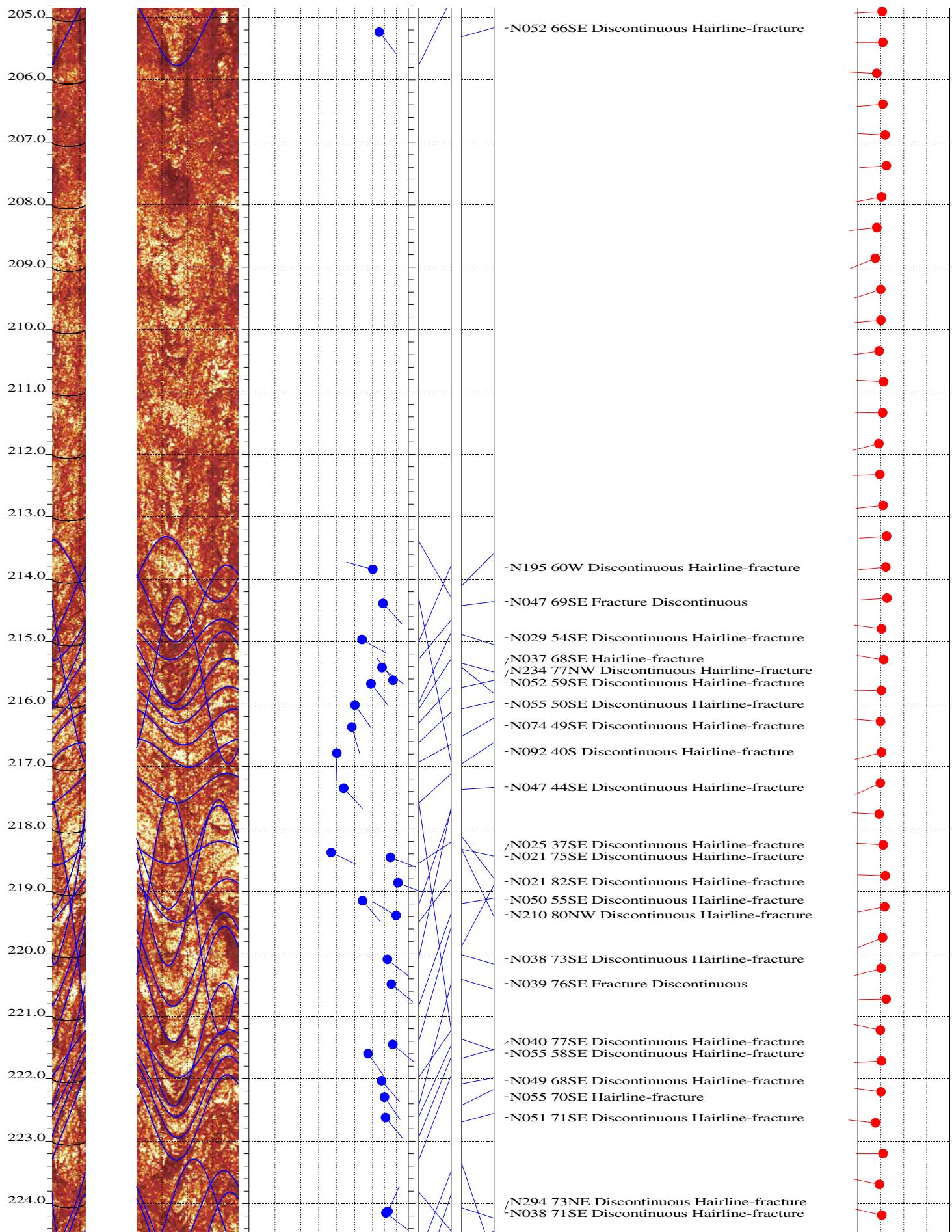


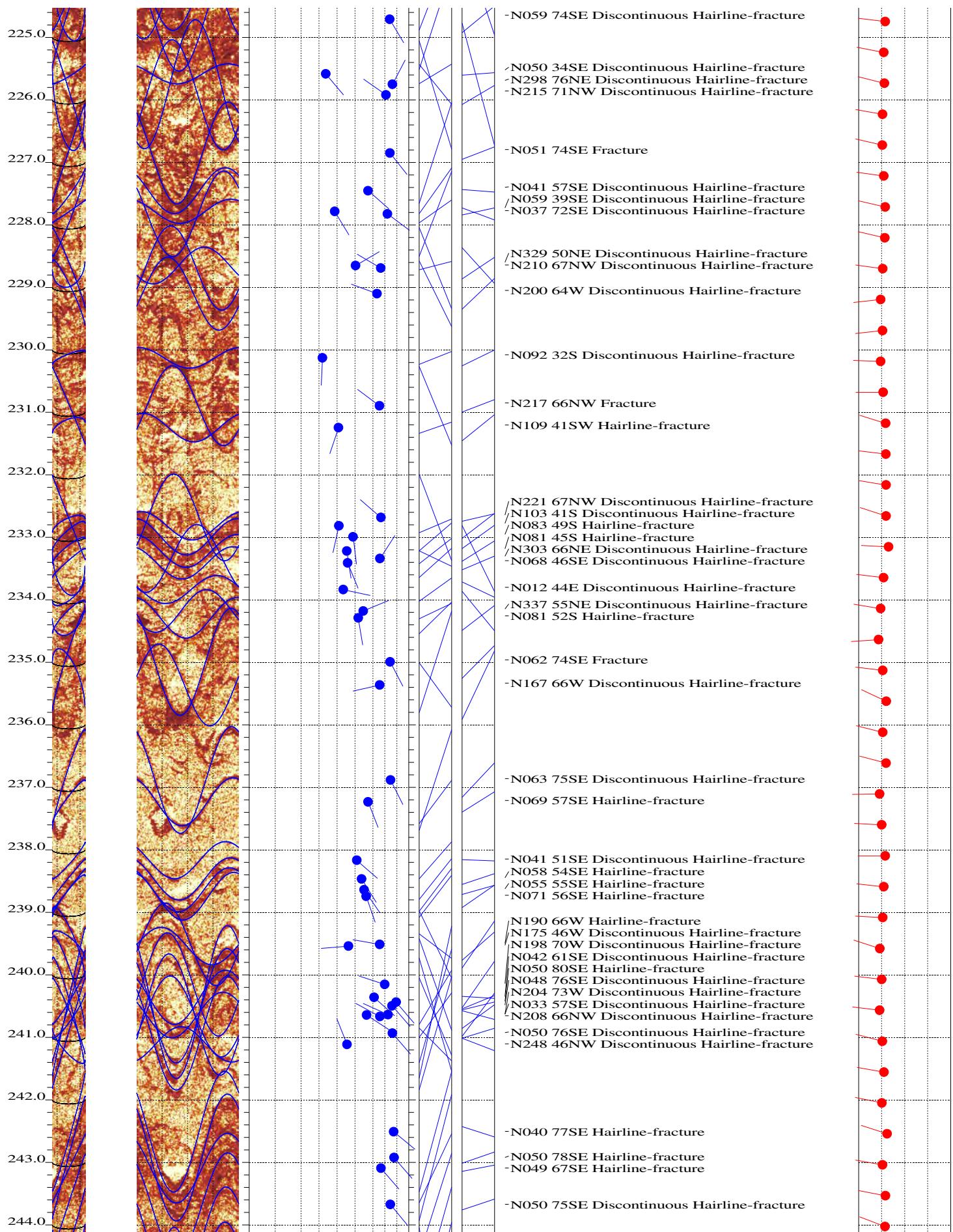


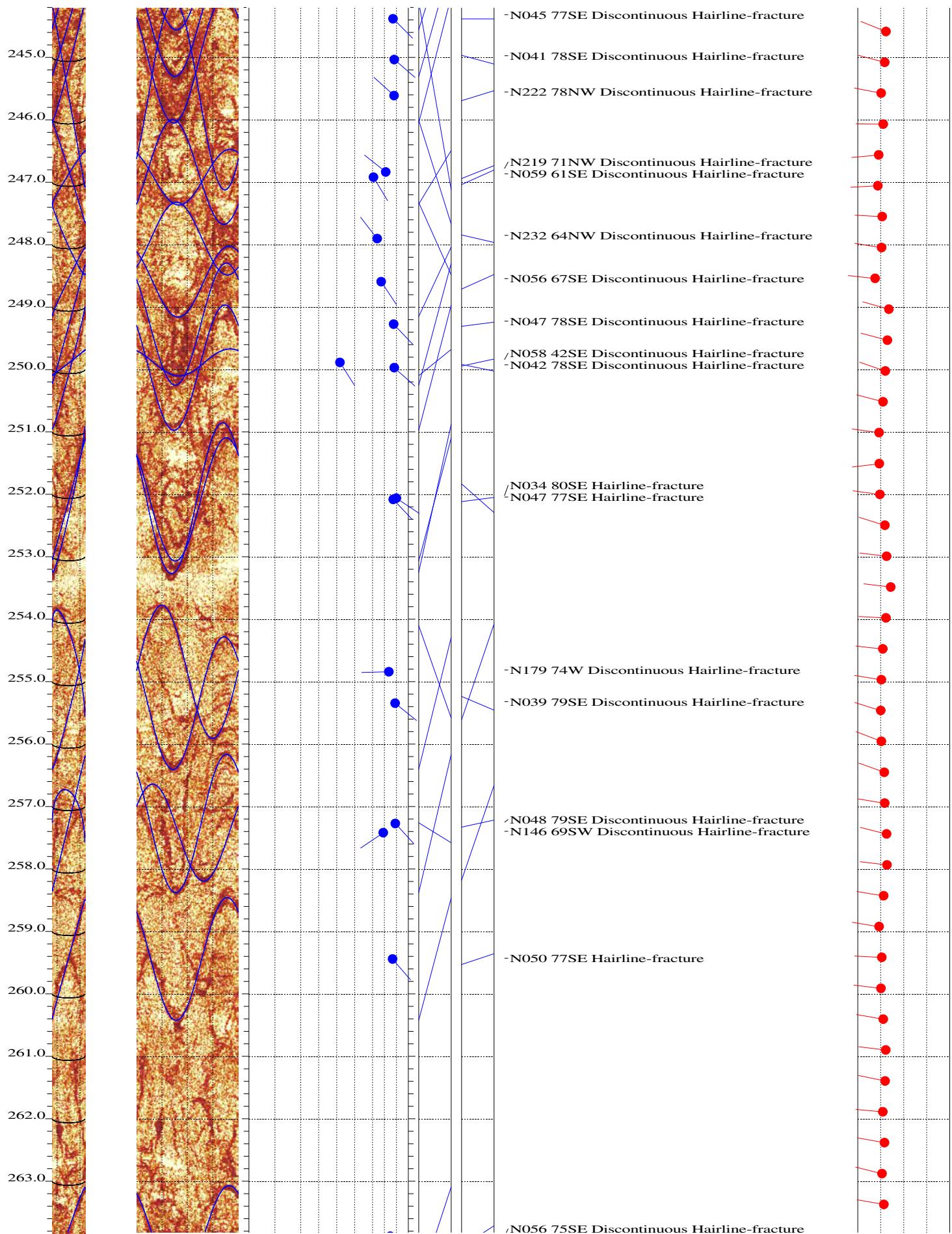


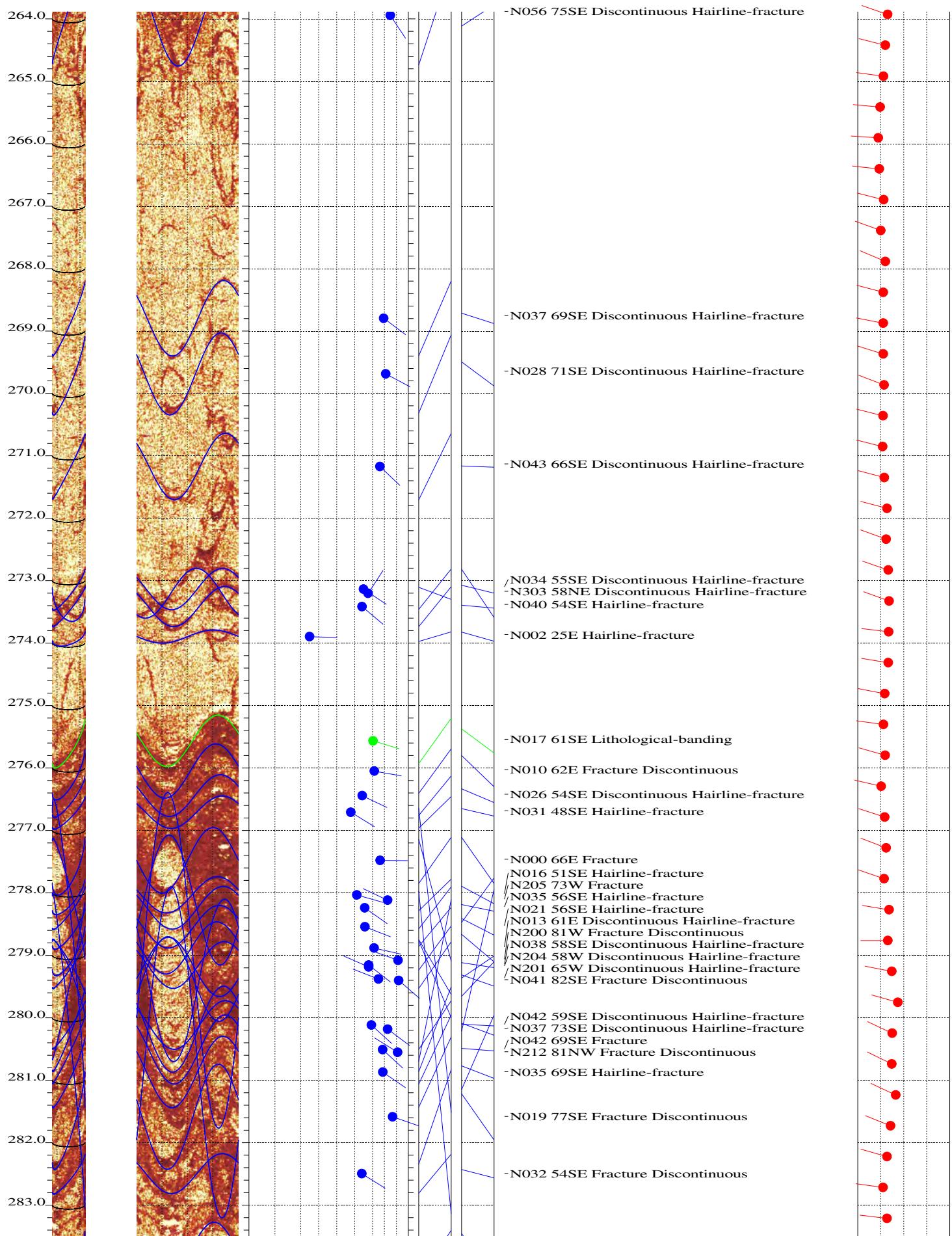


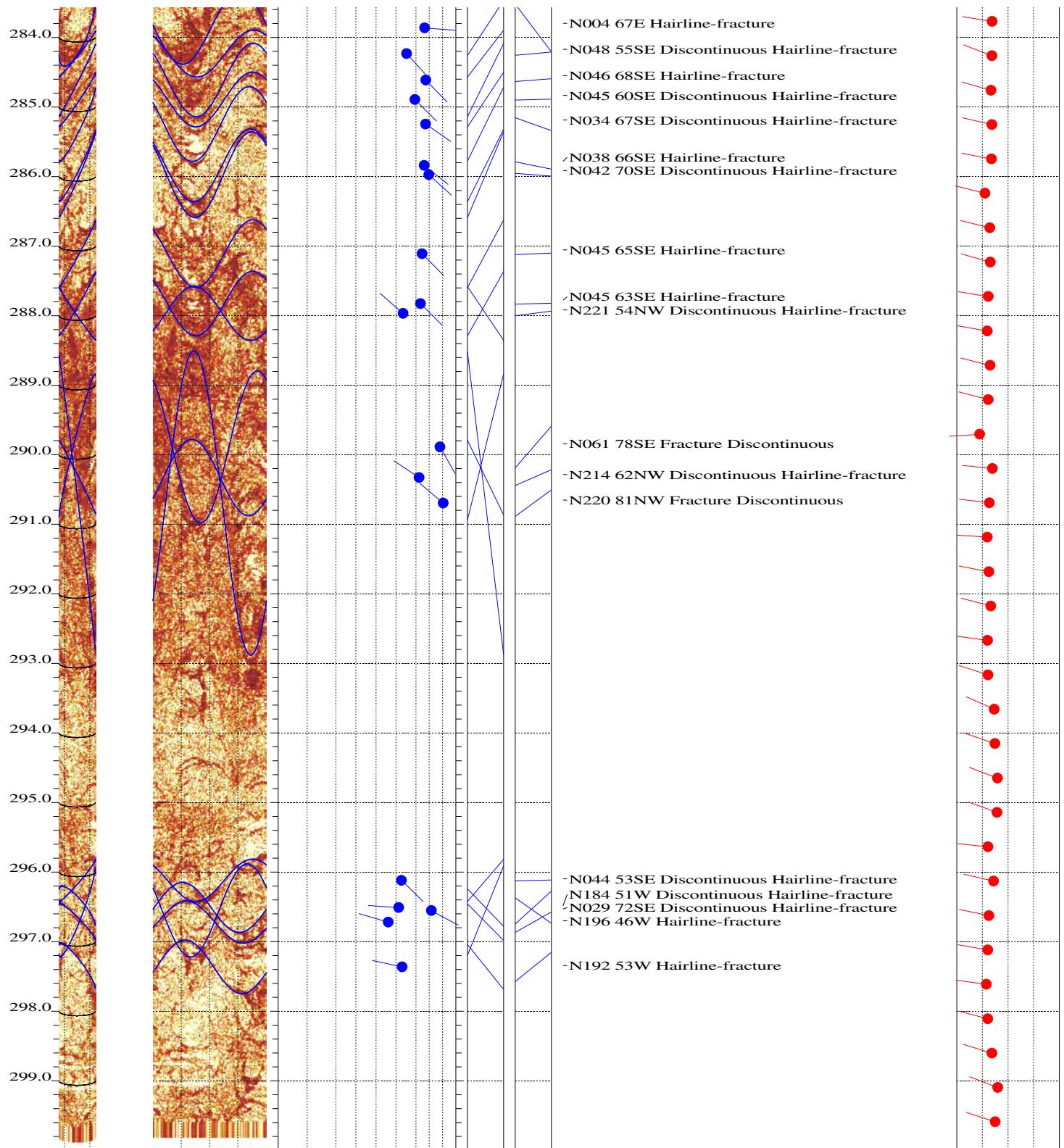














DIP DATA INTERPRETATION
RGLDIP vsn 6.1
STRIKE-DIRECTION, FRACTURE ROSE-DIAGRAM

09 May 2012

SAIC

Borehole: MW-2D

New Hanover, PA

top of borehole.....

East: _

North: _

Alt: _

North ref. is true
Depth units are feet

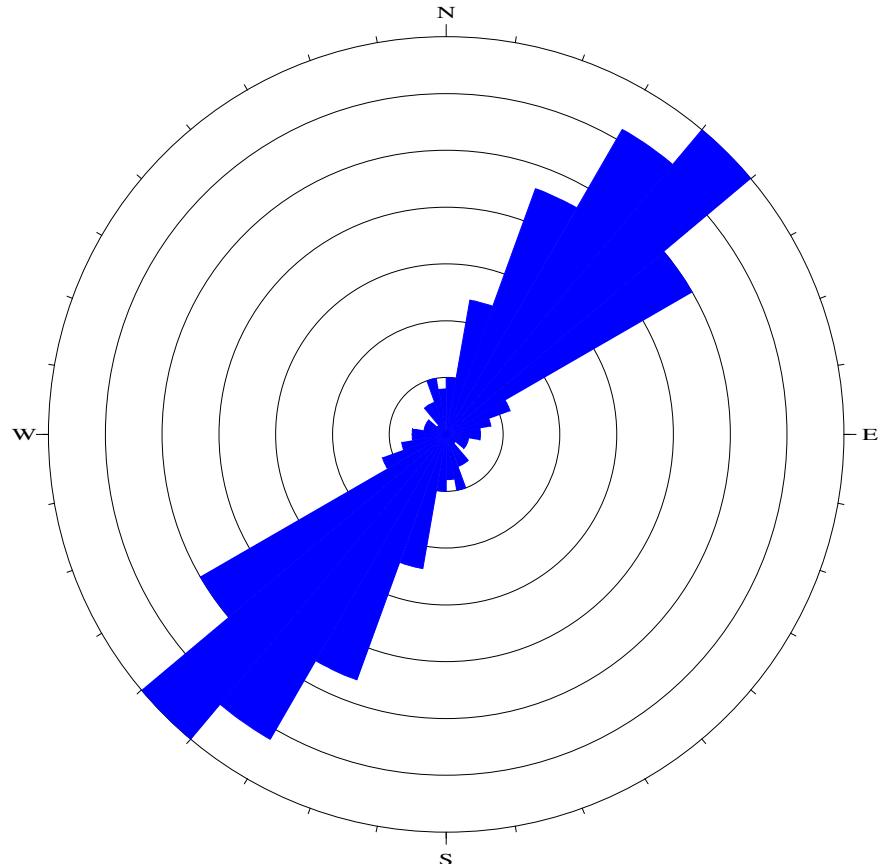
Zone from 297.843 to 38.932ft

Interpretation 1

Dip data sets

BHTV dips

MW-2D
38.932 - 297.843ft
Strike-direction, fracture rose-diagram



Azimuth Incr = 10°
N = 169

0 5 10 15 20 25 30 35



DIP DATA INTERPRETATION
RGLDIP vsn 6.1
DIP-AZIMUTH, FRACTURE ROSE-DIAGRAM

09 May 2012

SAIC

Borehole: MW-2D

New Hanover, PA

top of borehole.....

East: _

North: _

Alt: _

North ref. is true
Depth units are feet

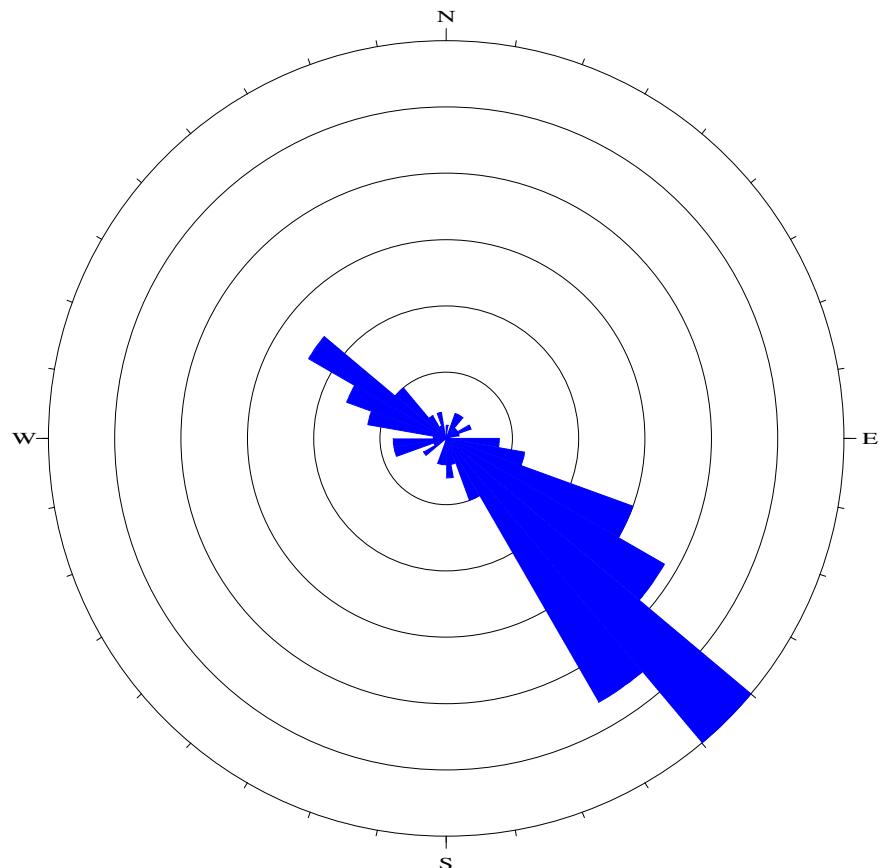
Zone from 297.843 to 38.932ft

Interpretation 1

Dip data sets

BHTV dips

MW-2D
38.932 - 297.843ft
Dip-azimuth, fracture rose-diagram



Azimuth Incr = 10°
N = 169

0 5 10 15 20 25 30

SAIC

Borehole: MW-3D

New Hanover, PA

top of borehole.....

East: _

North: _

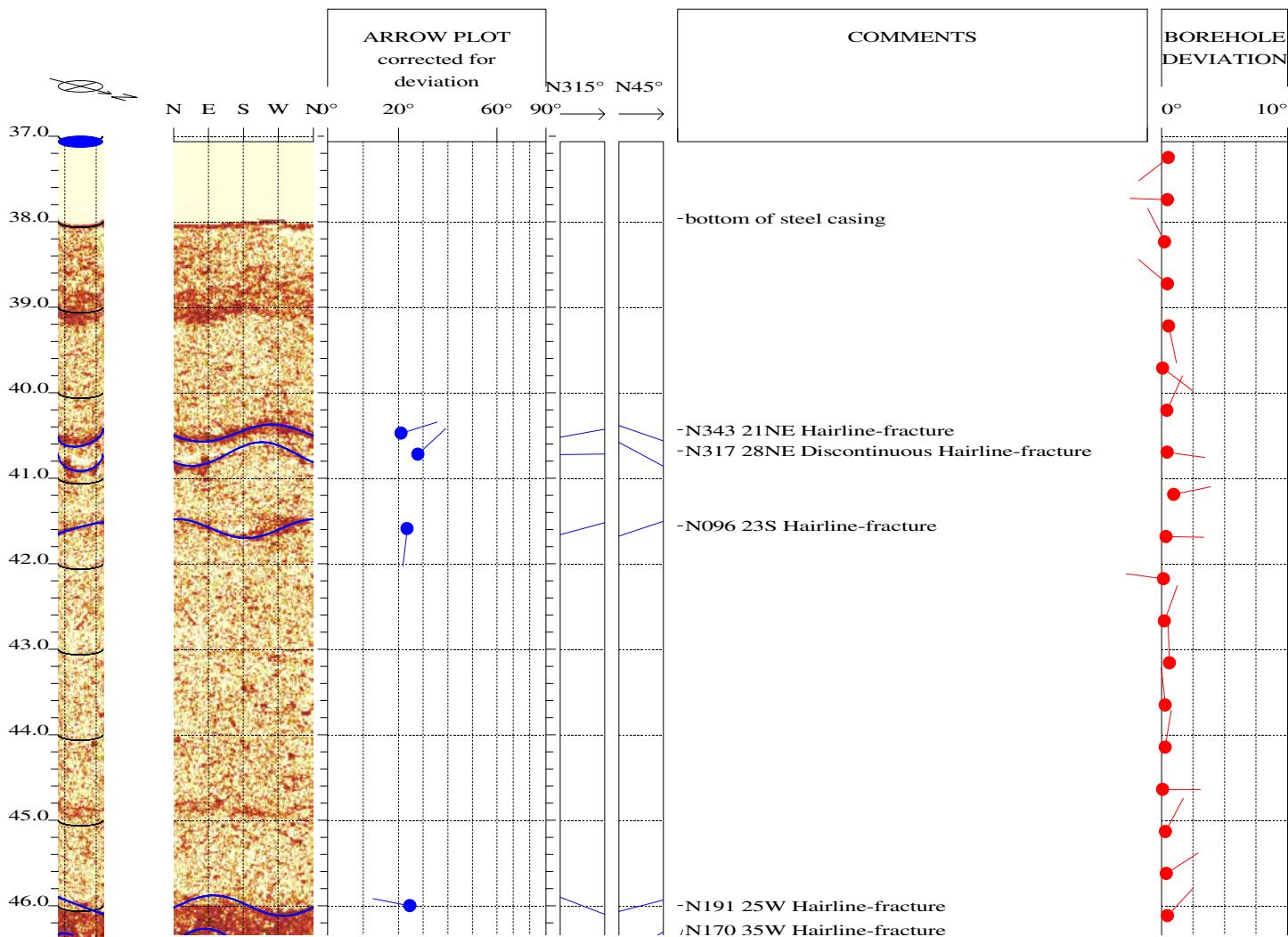
Elev: _

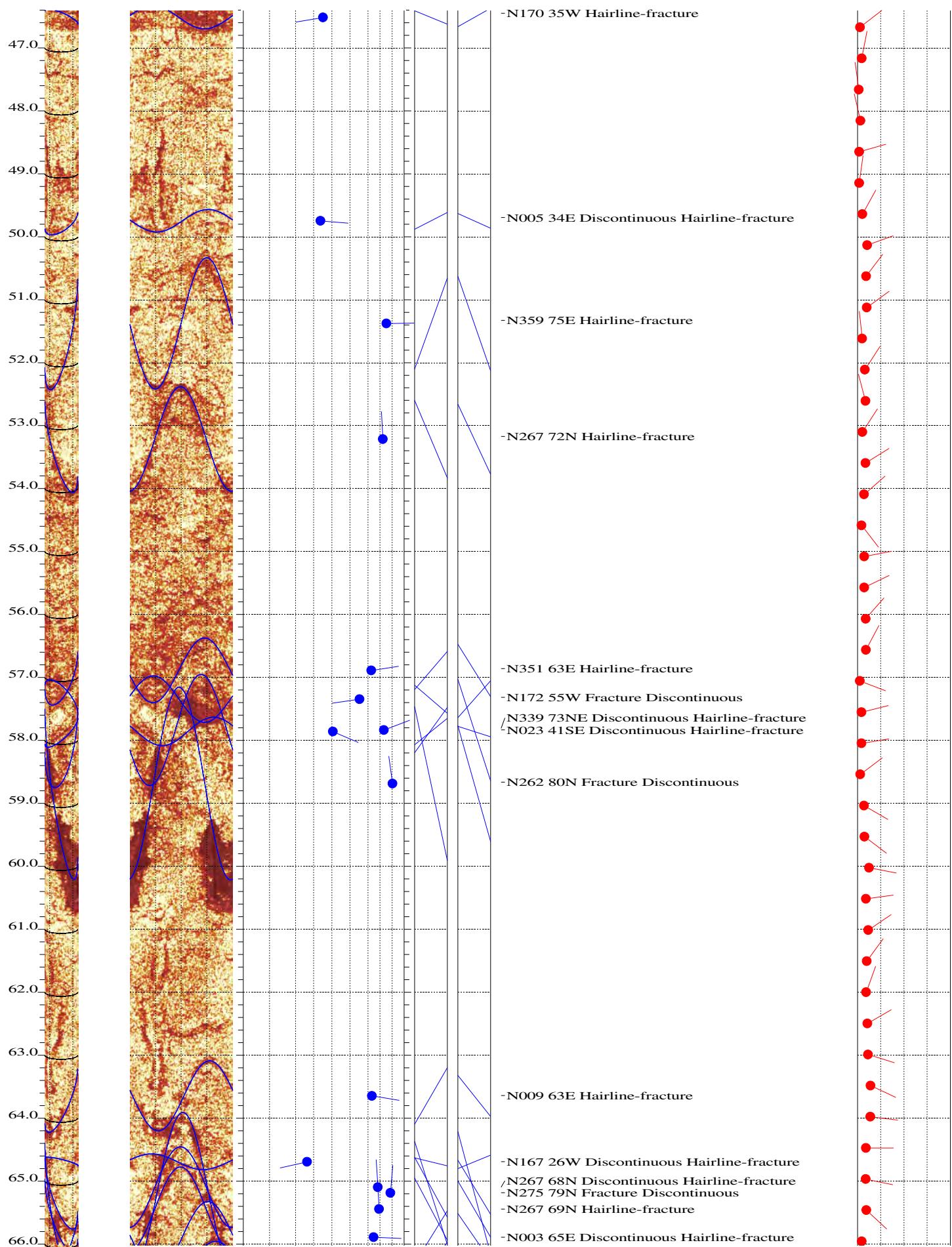
North ref. is true
Depth units are feet
Vertical scale: 1/24
Horiz scale = 1.00x Vert scale

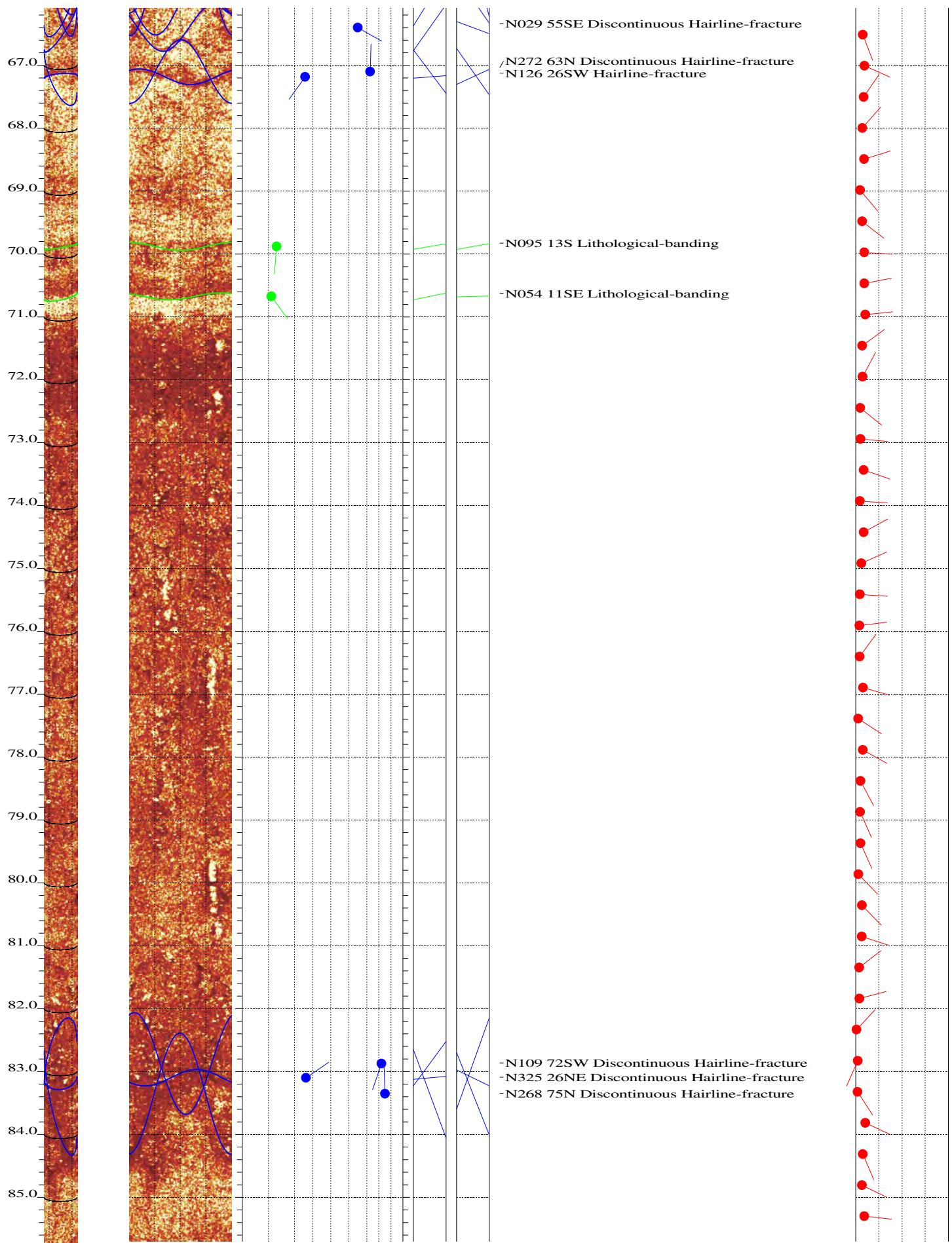
Zone from 250.000 to 37.000ft

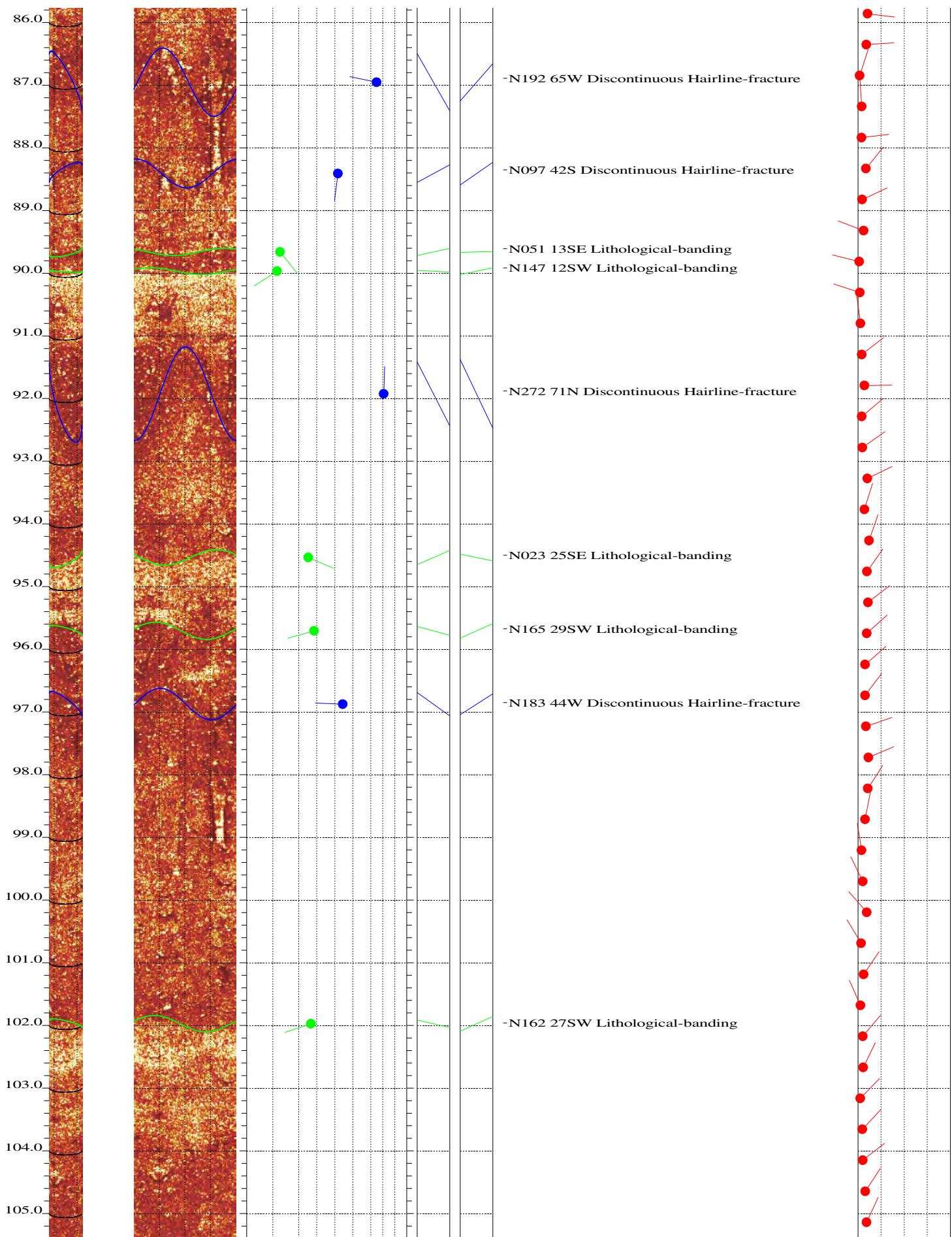
Format: BHTV-NESWN

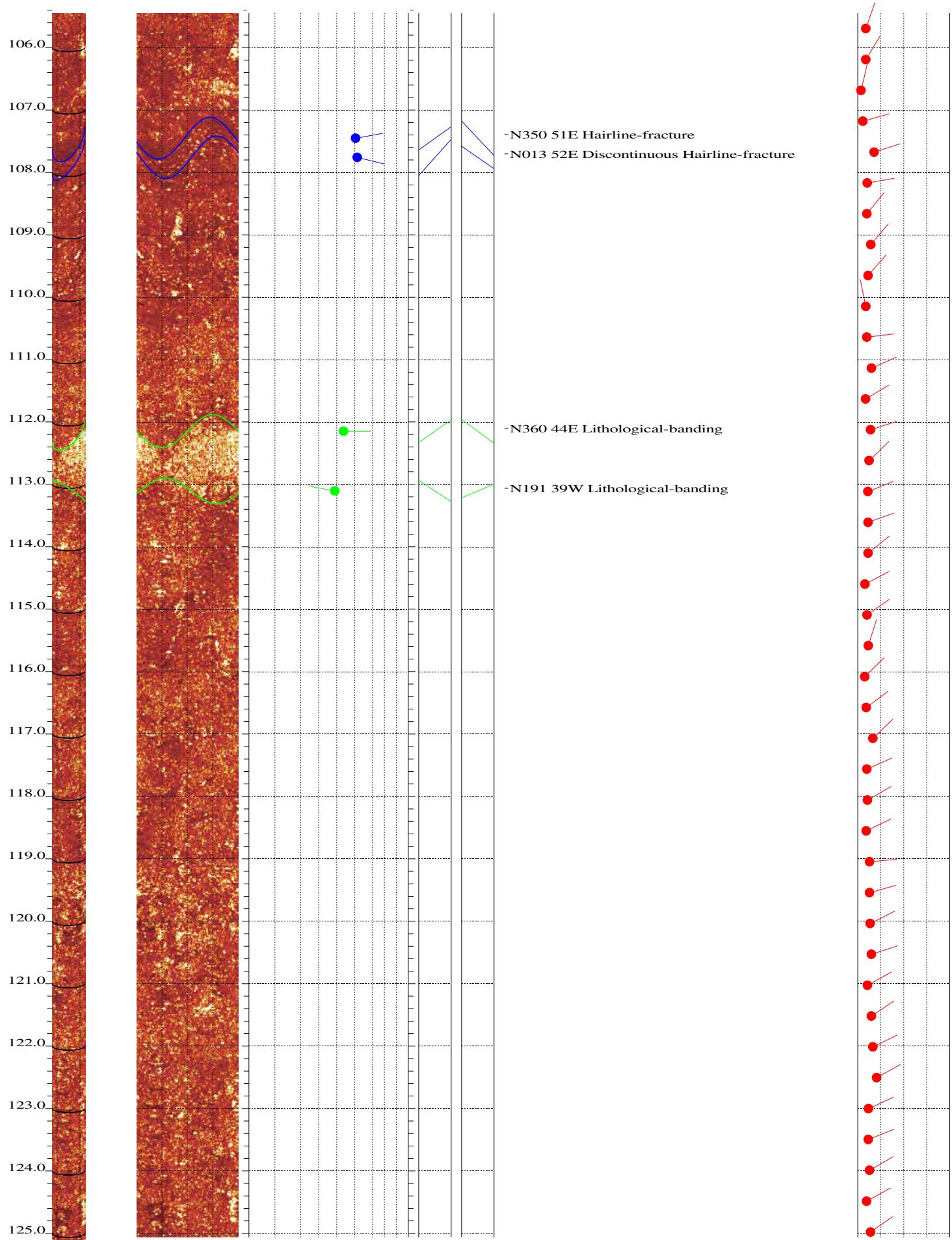
Borehole diam: 6.250inch
Vertical = borehole-axis
Image: Amplitude

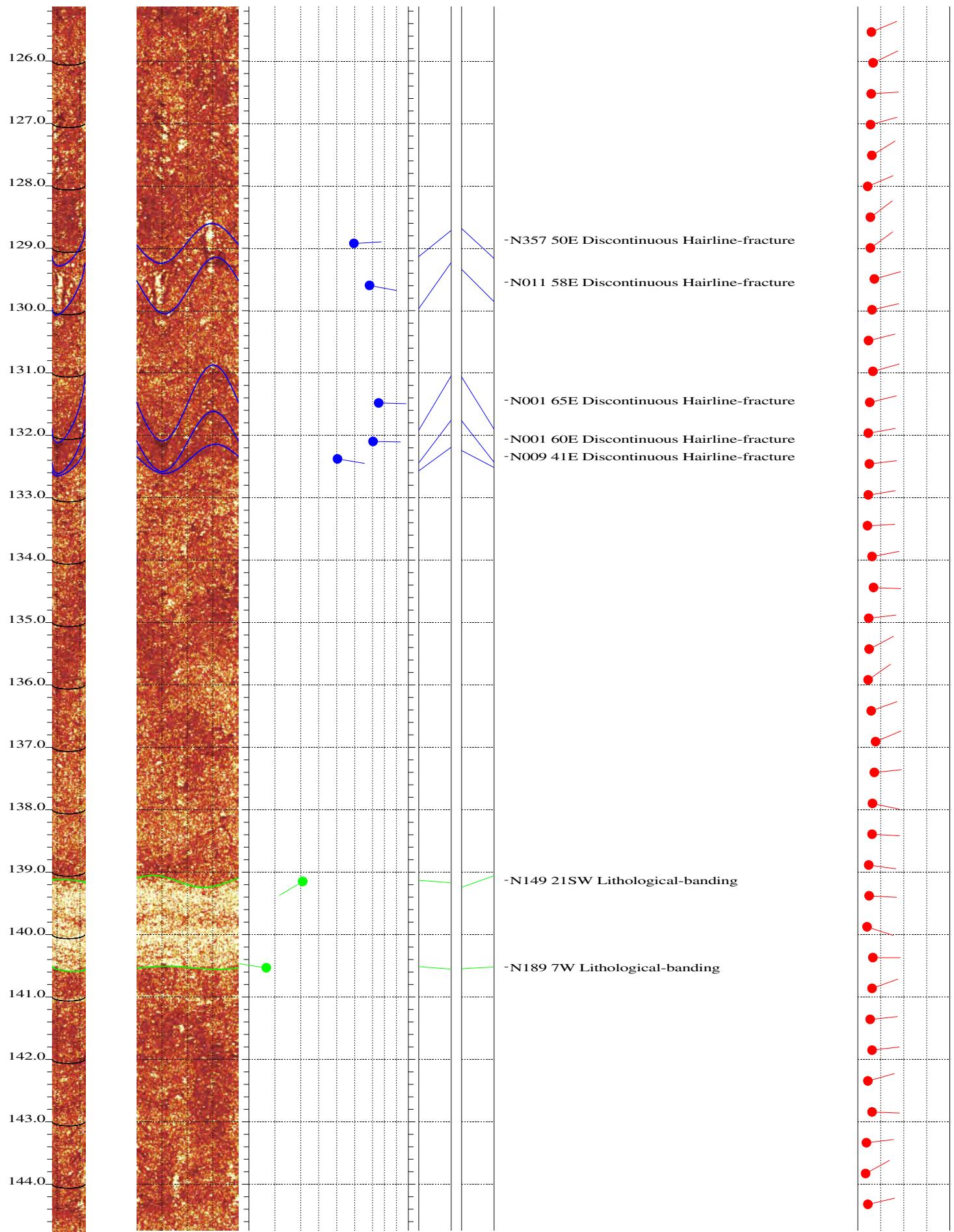


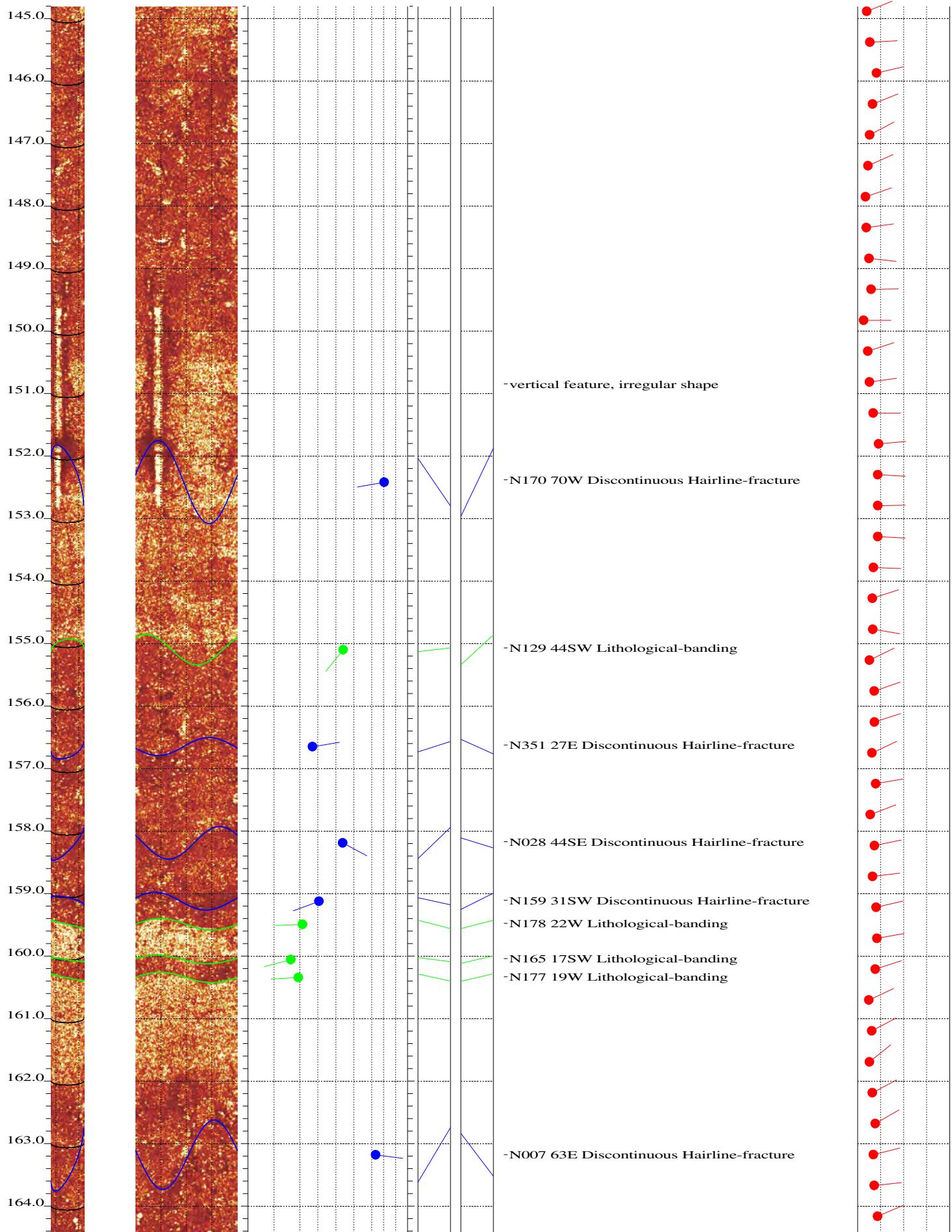


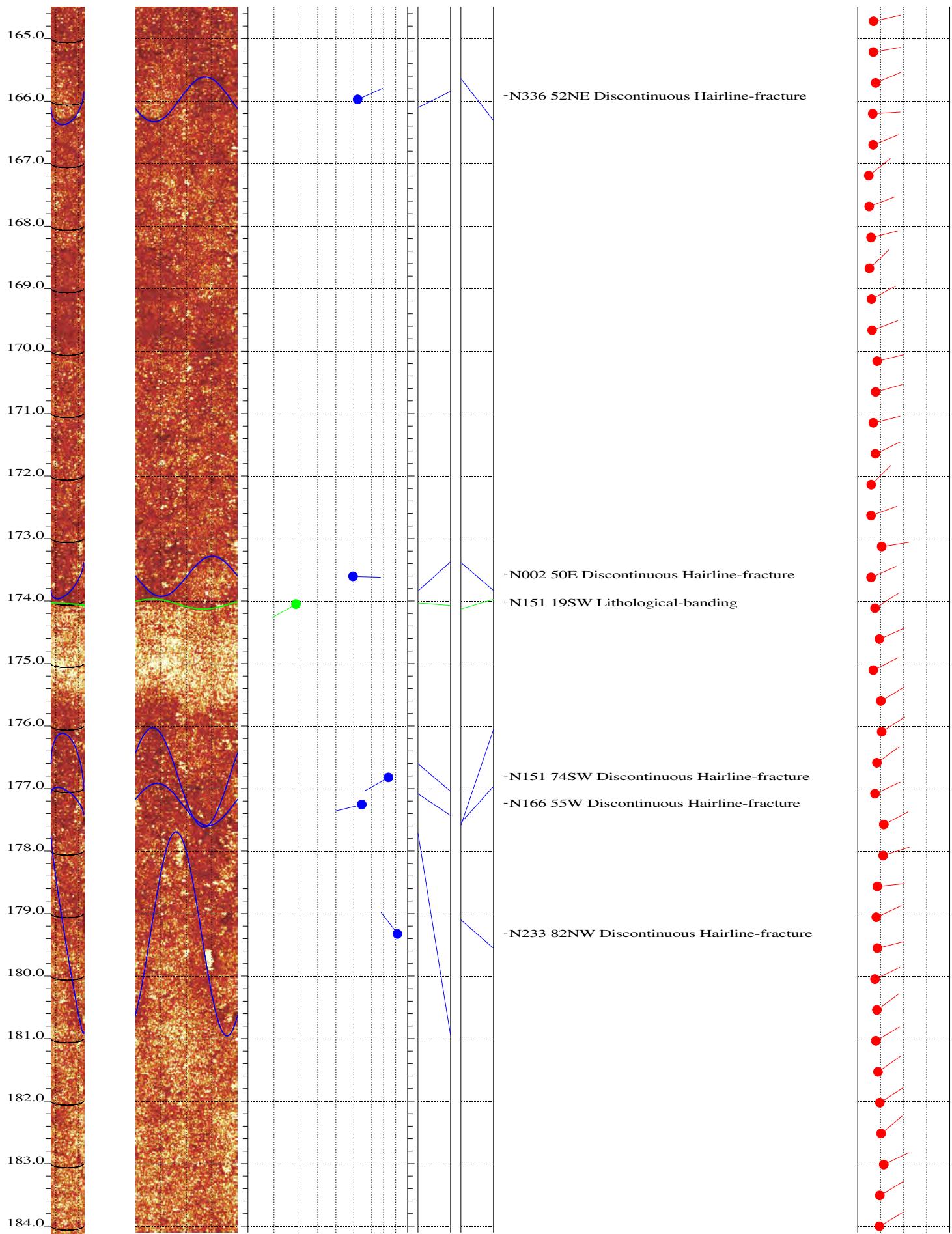


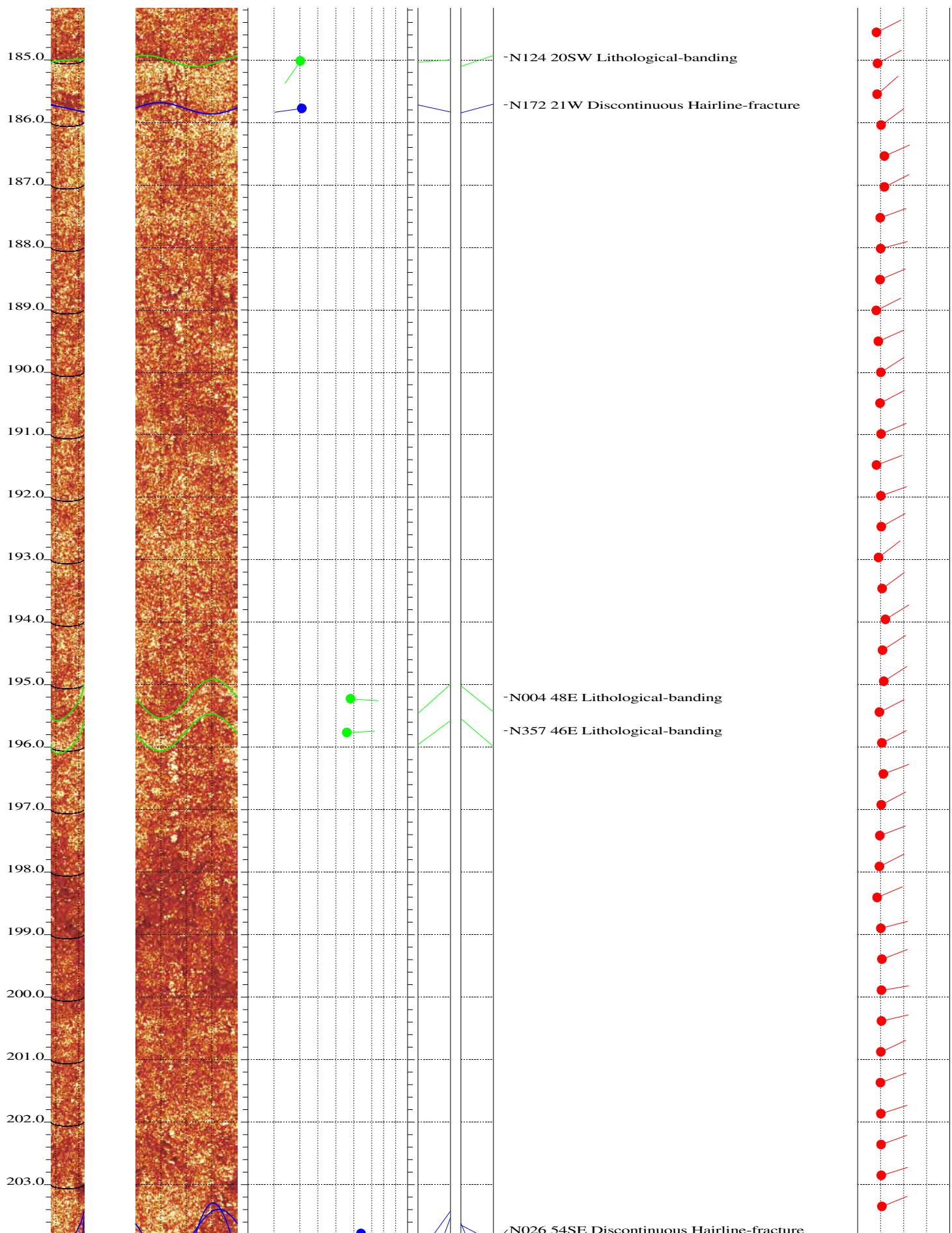


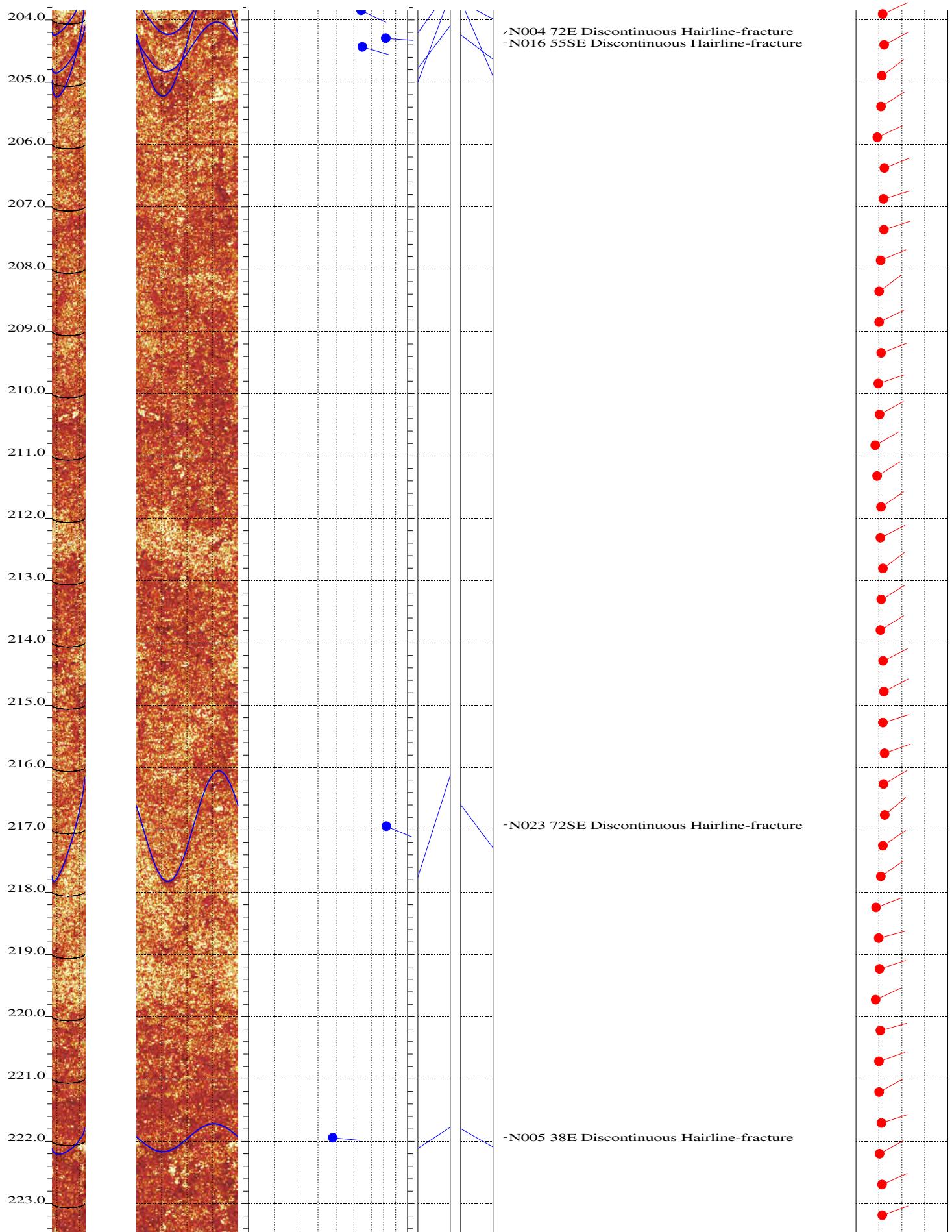


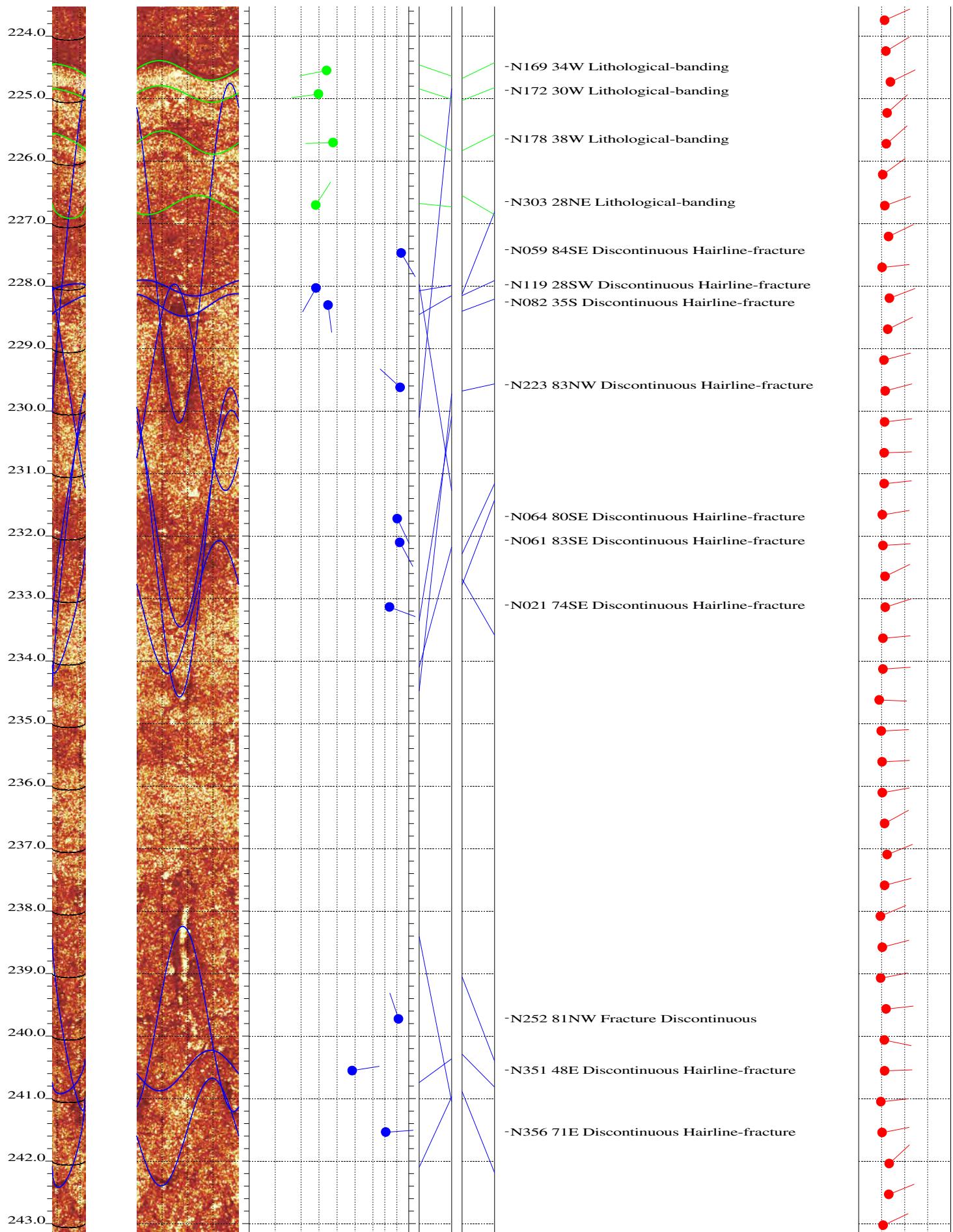


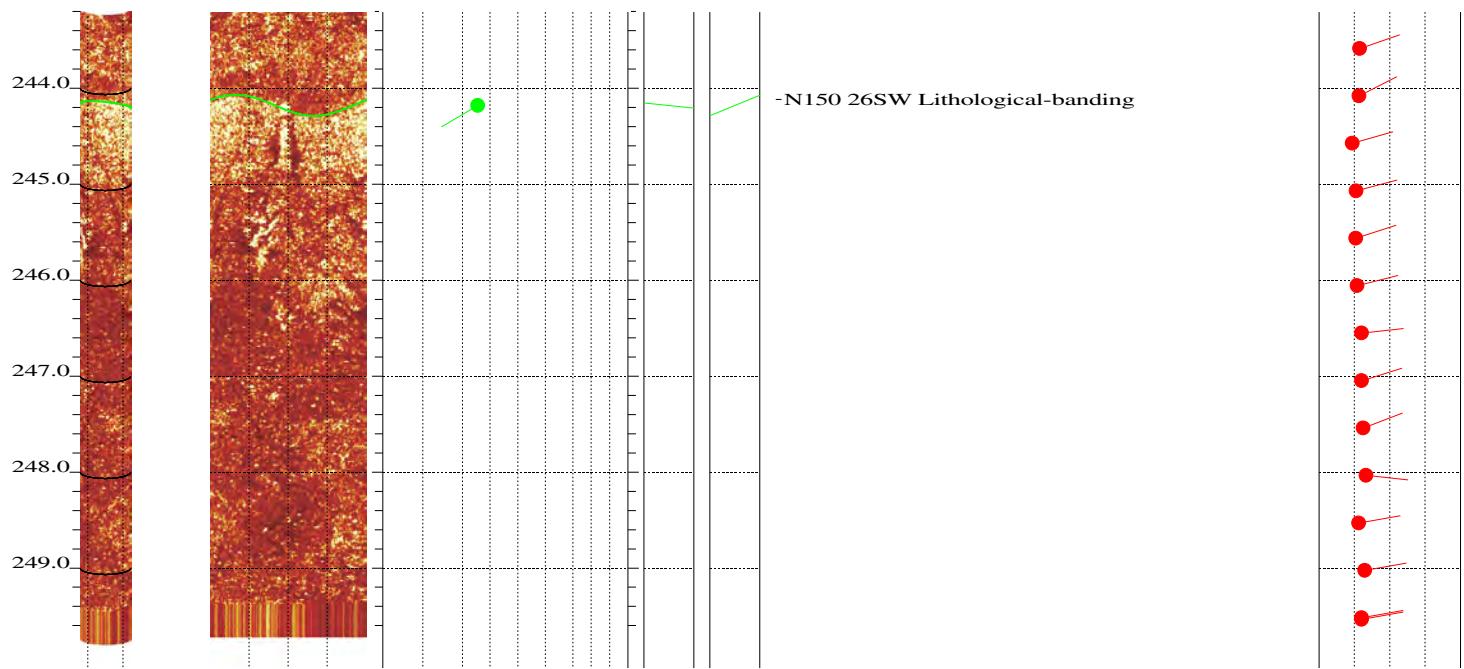














DIP DATA INTERPRETATION
RGLDIP vsn 6.1
STRIKE-DIRECTION, FRACTURE ROSE-DIAGRAM

09 May 2012

SAIC

Borehole: MW-3D

New Hanover, PA

top of borehole.....

East: _

North: _

Alt: _

North ref. is true
Depth units are feet

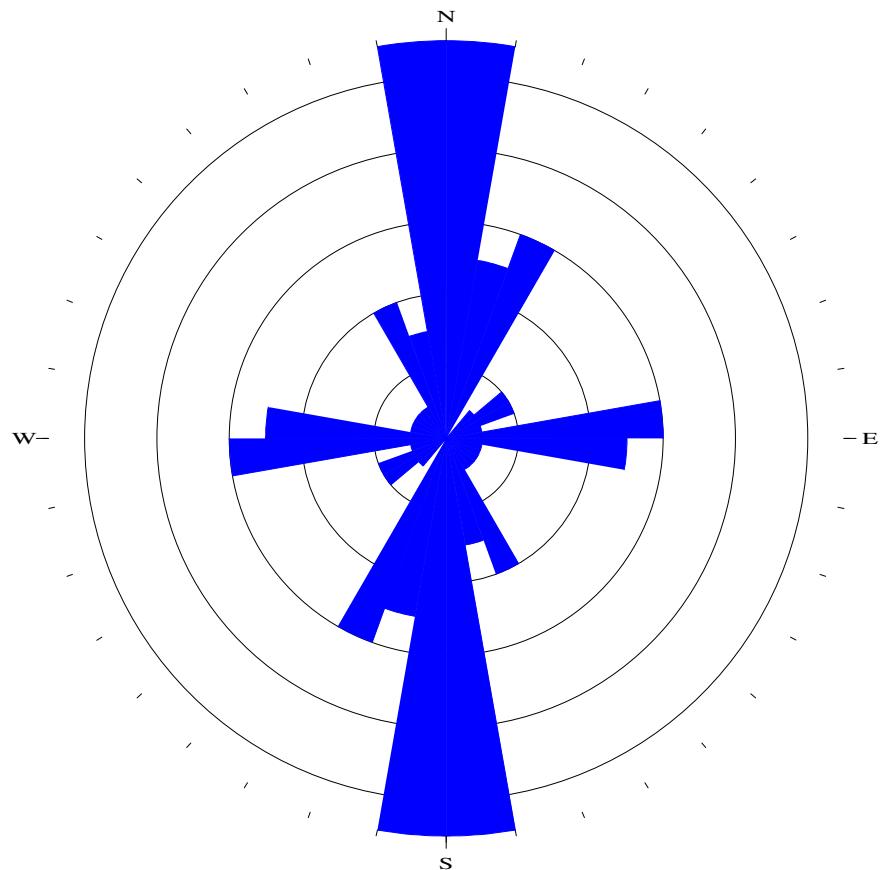
Zone from 242.032 to 39.935ft

Interpretation 1

Dip data sets

BHTV dips

MW-3D
39.935 - 242.032ft
Strike-direction, fracture rose-diagram



Azimuth Incr = 10°
N = 62

0 2 4 6 8 10



DIP DATA INTERPRETATION
RGLDIP vsn 6.1
DIP-AZIMUTH, FRACTURE ROSE-DIAGRAM

09 May 2012

SAIC

Borehole: MW-3D

New Hanover, PA

top of borehole.....

East: _

North: _

Alt: _

North ref. is true
Depth units are feet

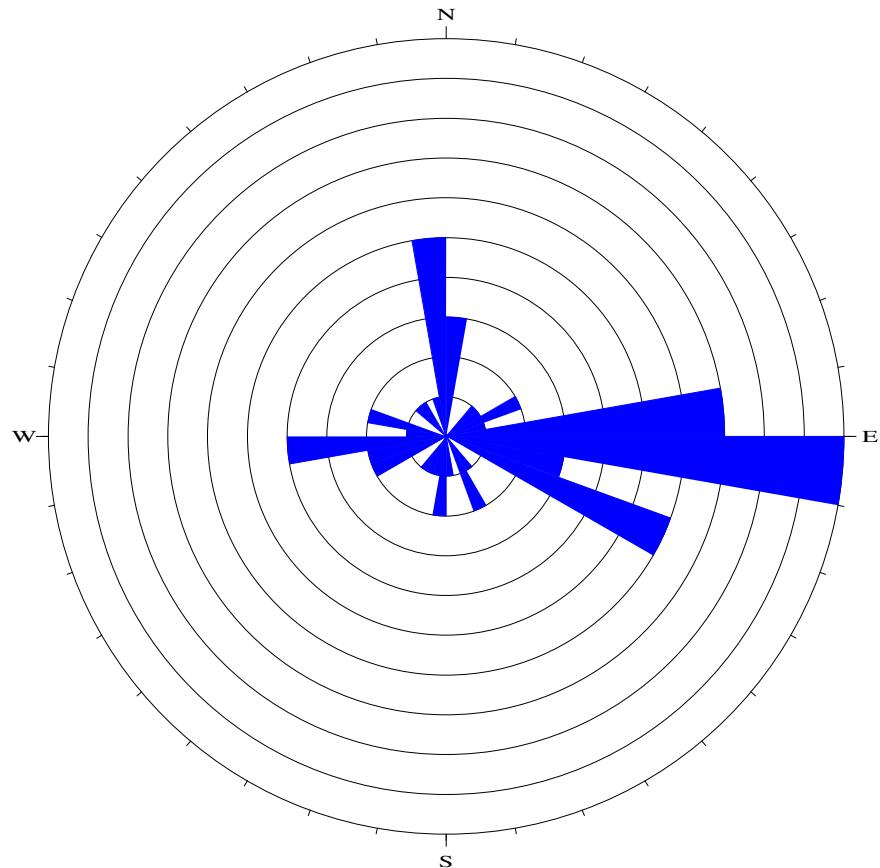
Zone from 242.032 to 39.935ft

Interpretation 1

Dip data sets

BHTV dips

MW-3D
39.935 - 242.032ft
Dip-azimuth, fracture rose-diagram



Azimuth Incr = 10°
N = 62

0 1 2 3 4 5 6 7 8 9 10

SAIC

Borehole: MW-4D

New Hanover, PA

top of borehole.....

East: _

North: _

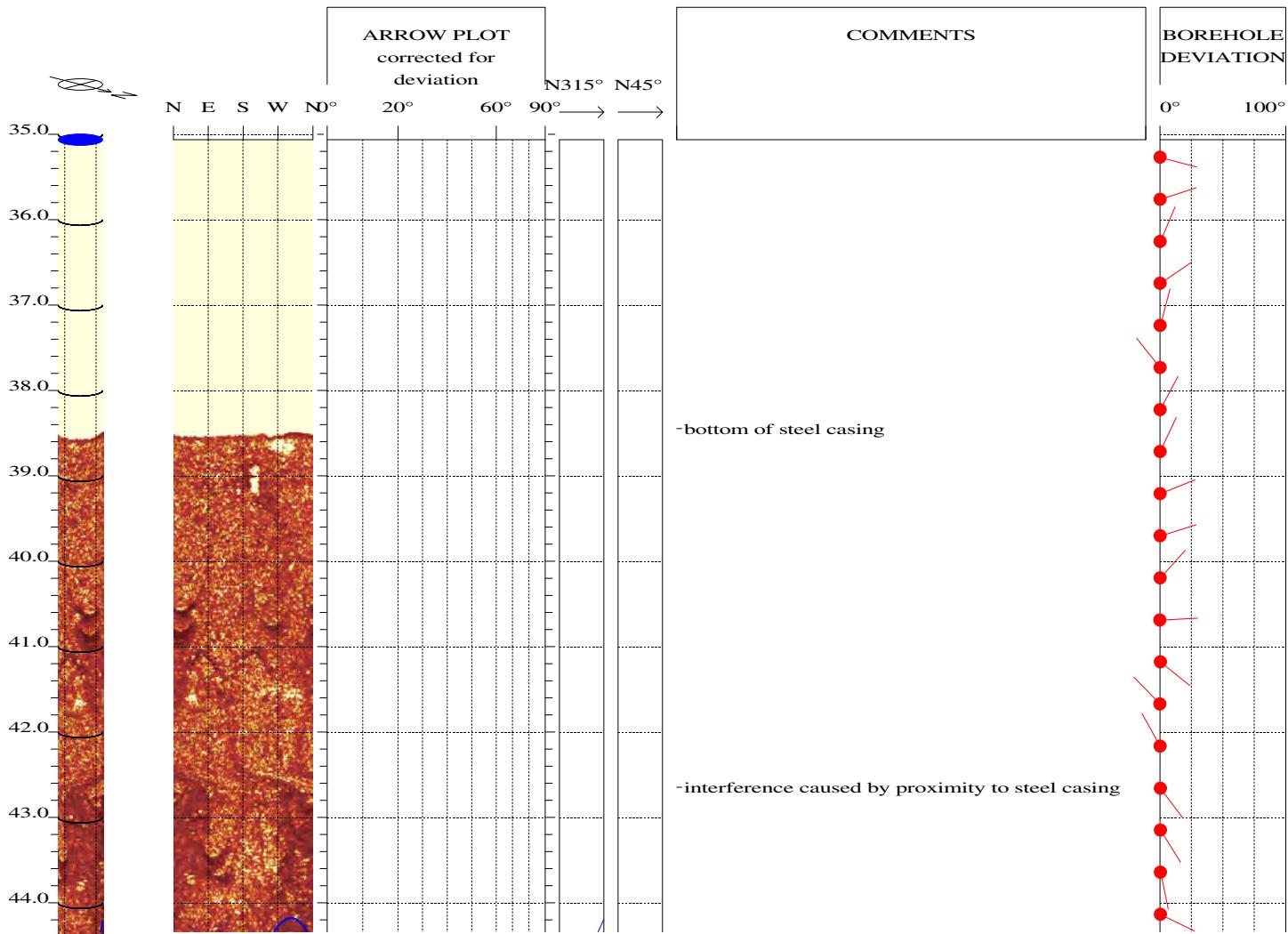
Elev: _

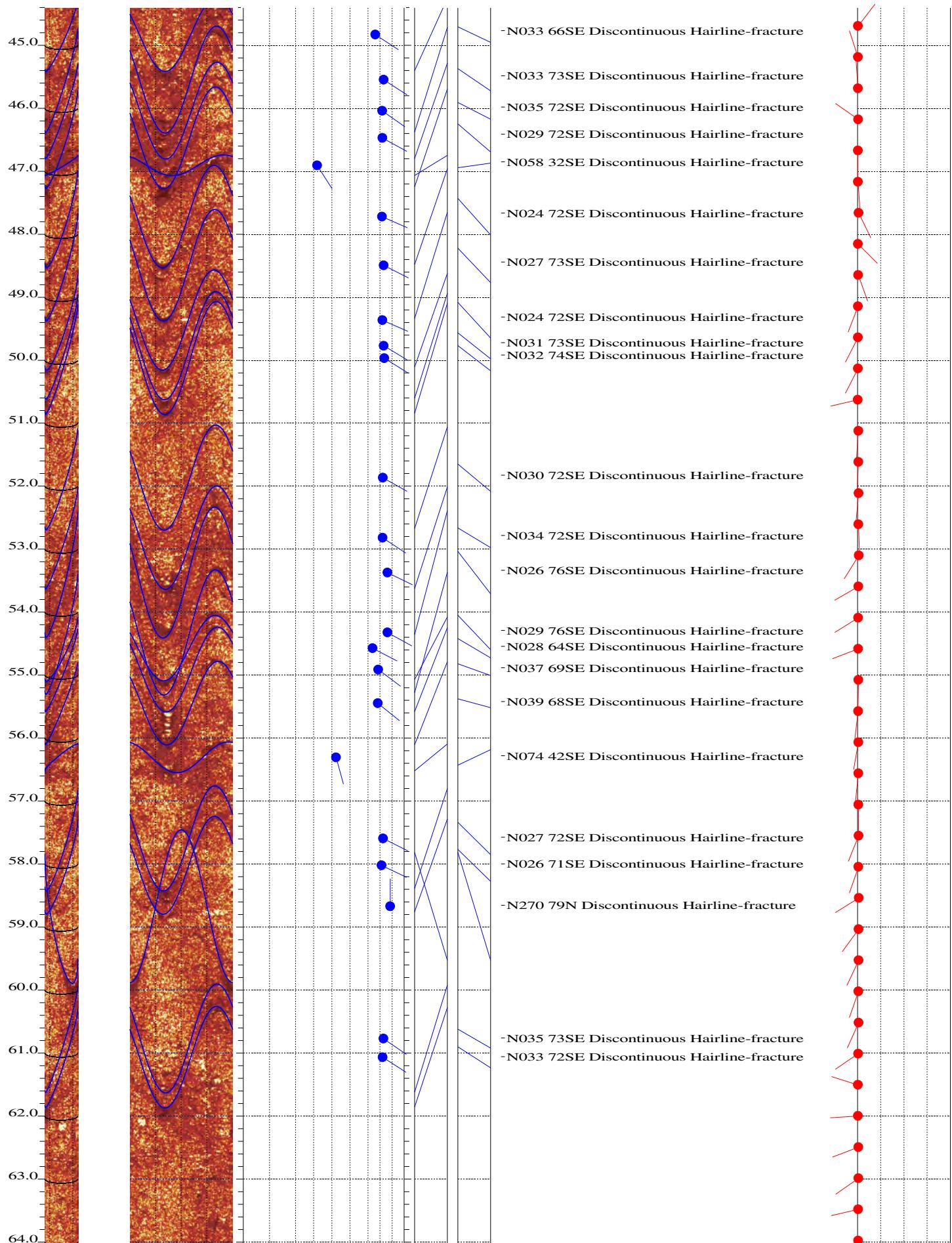
North ref. is true
Depth units are feet
Vertical scale: 1/24
Horiz scale = 1.00x Vert scale

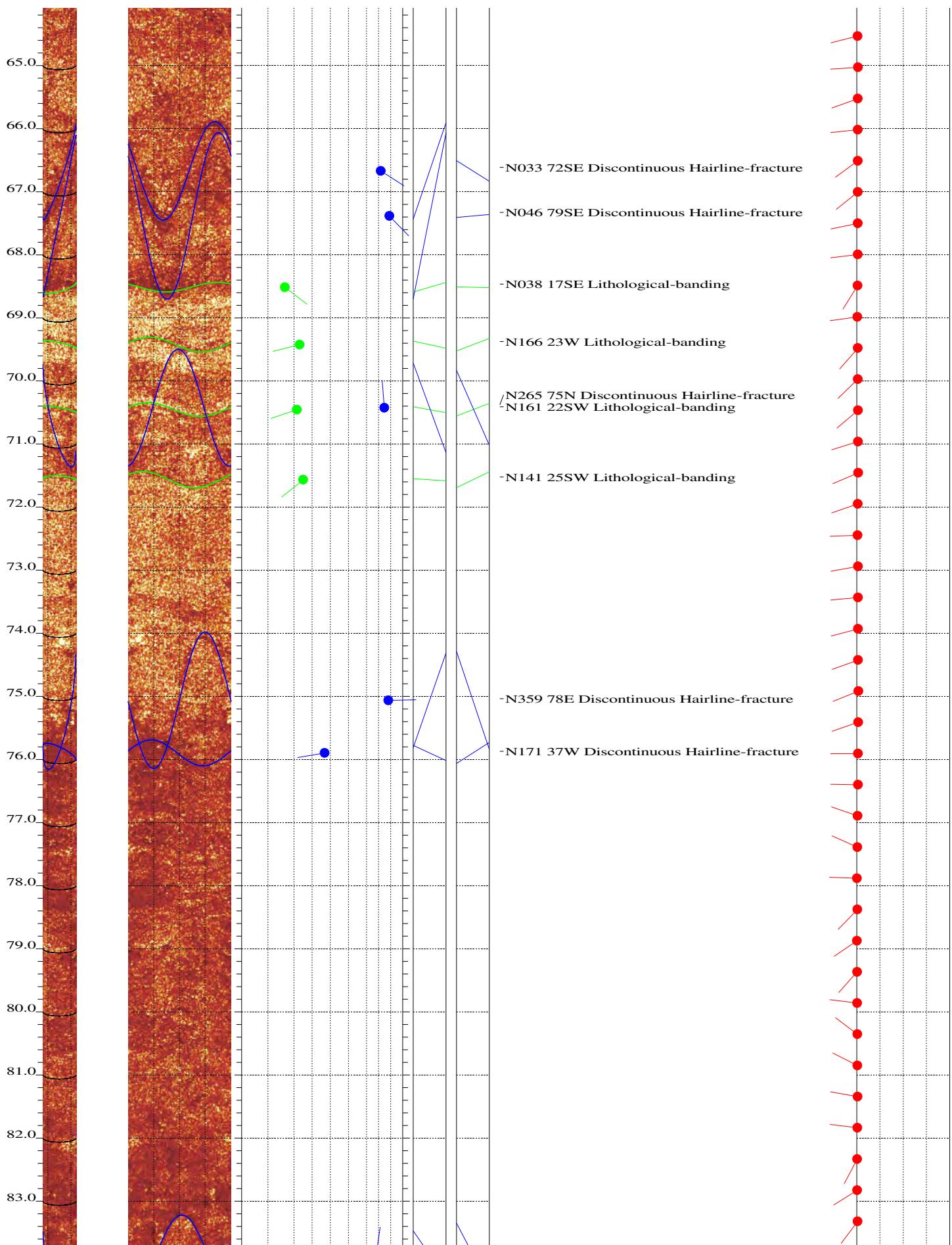
Zone from 252.000 to 35.000ft

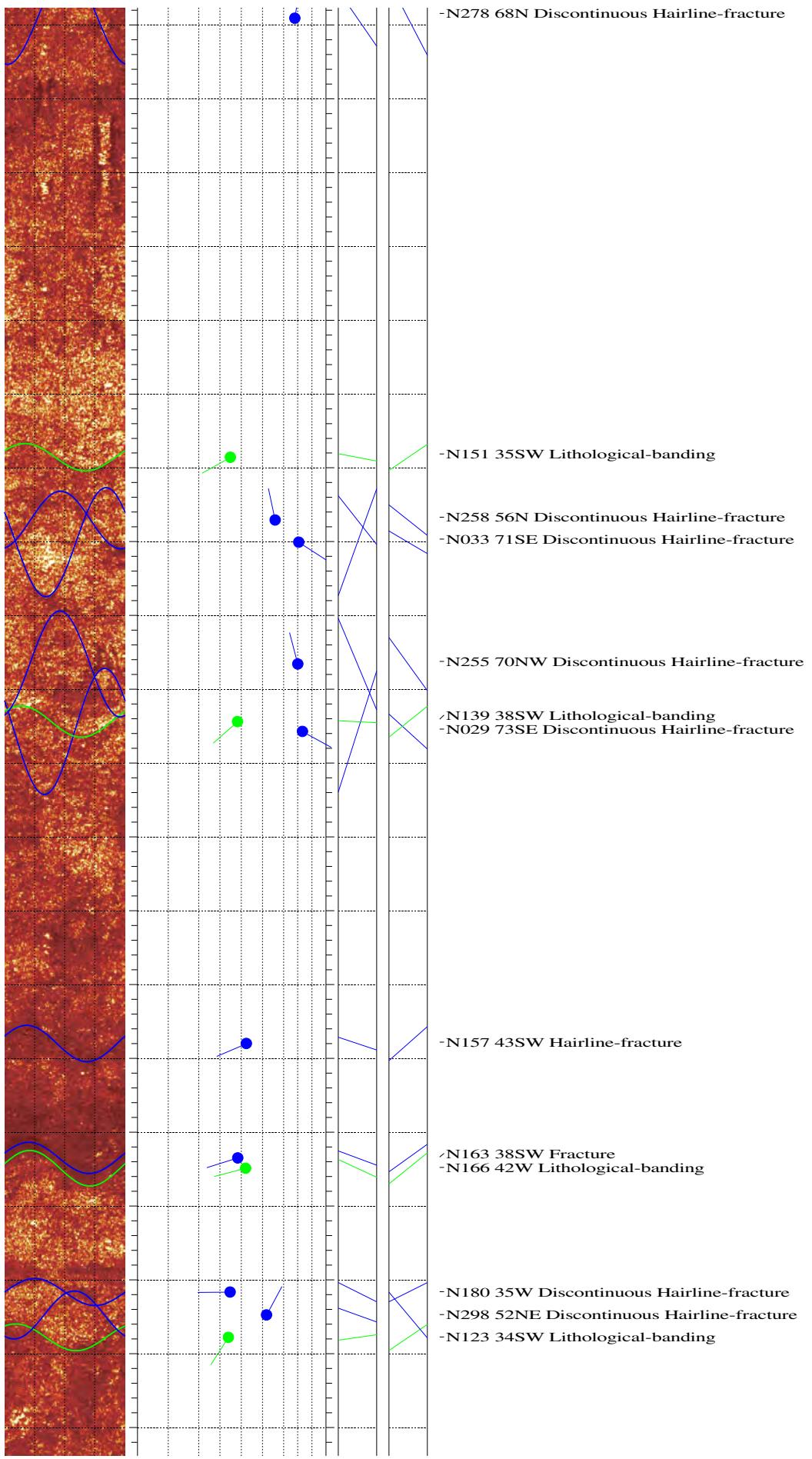
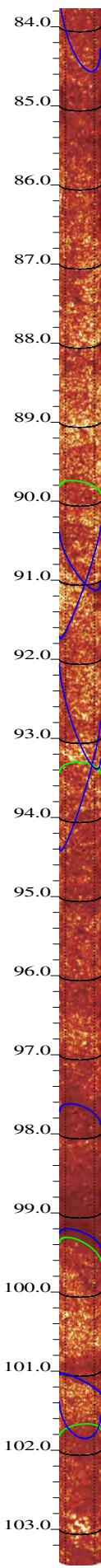
Format: BHTV-NESWN

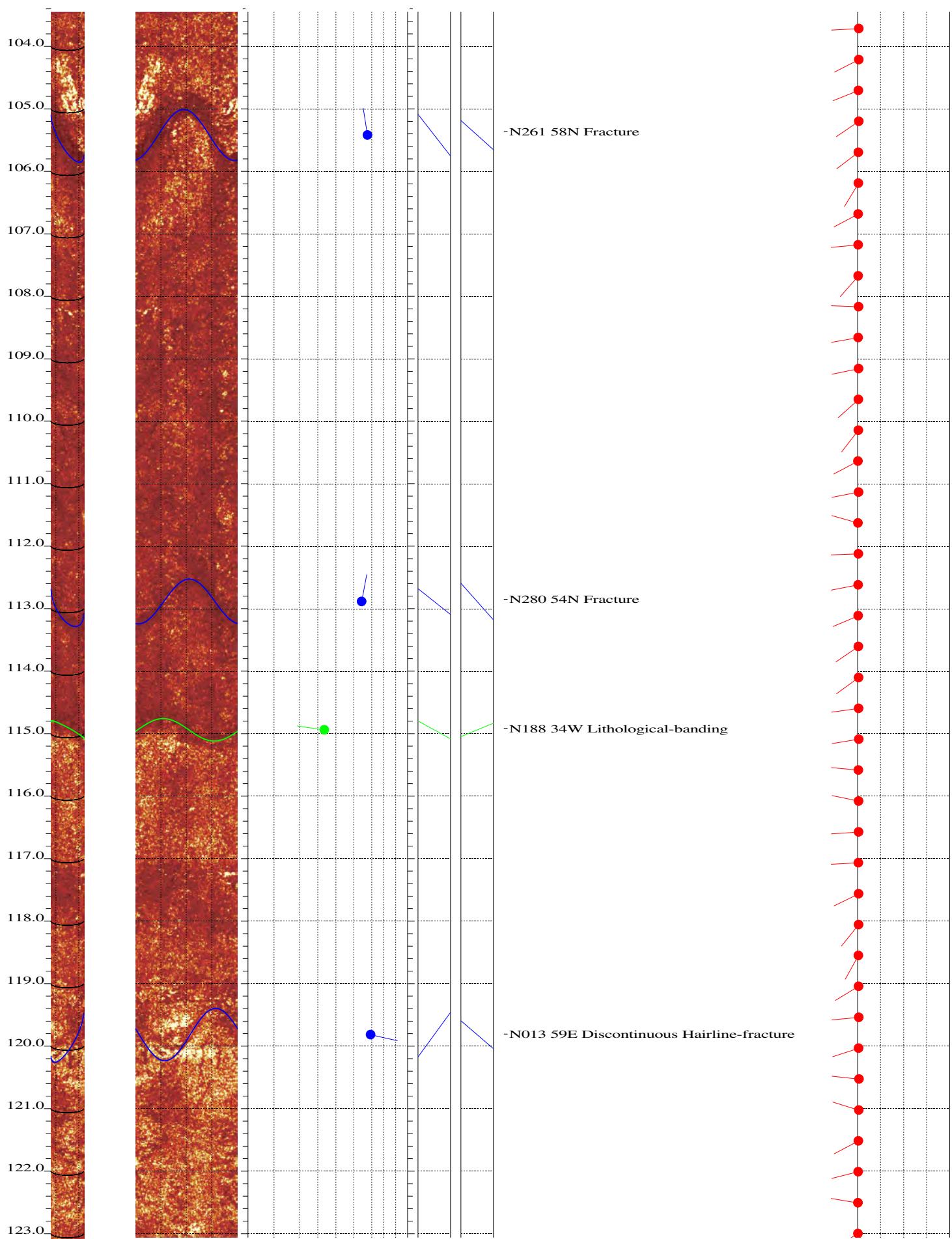
Borehole diam: 6.250inch
Vertical = borehole-axis
Image: Amplitude

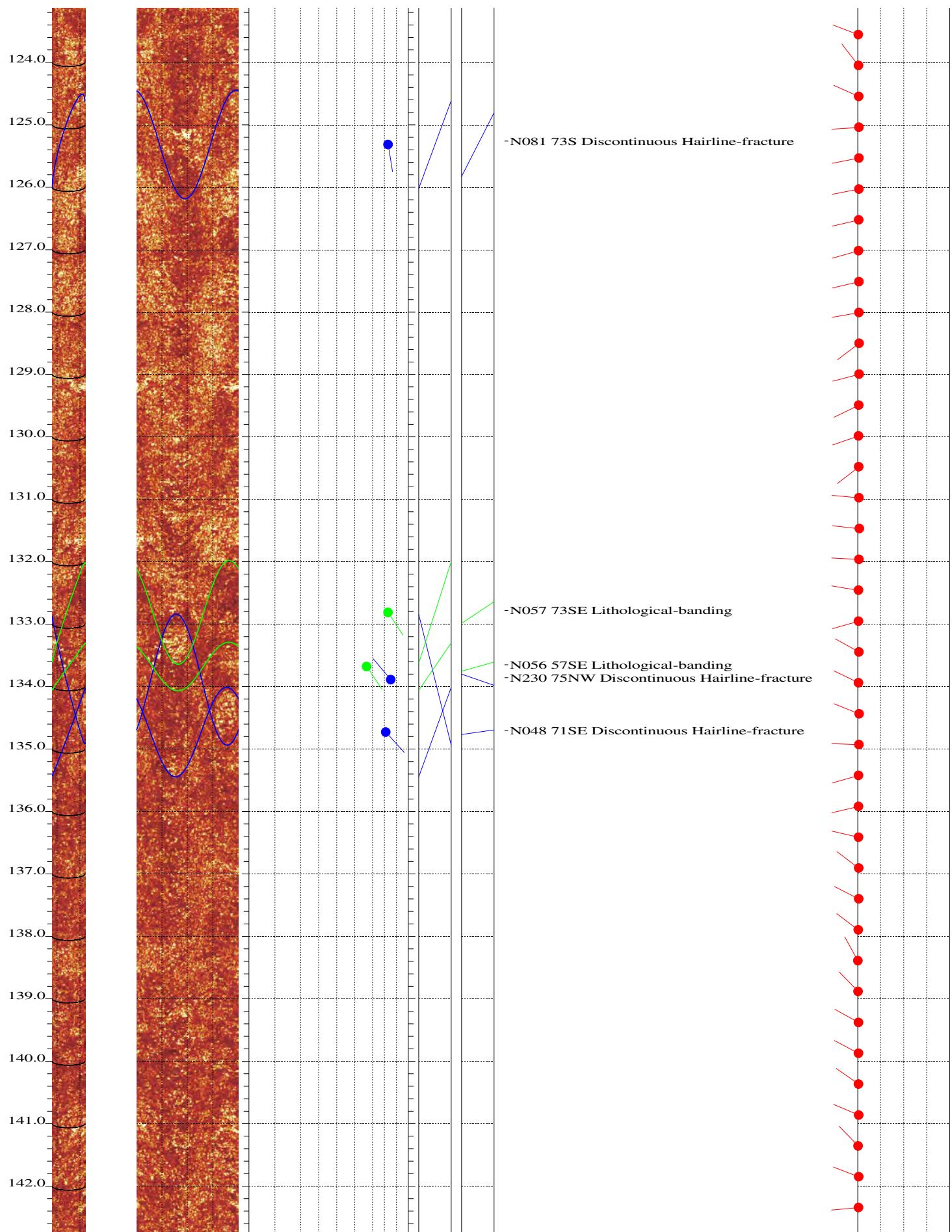


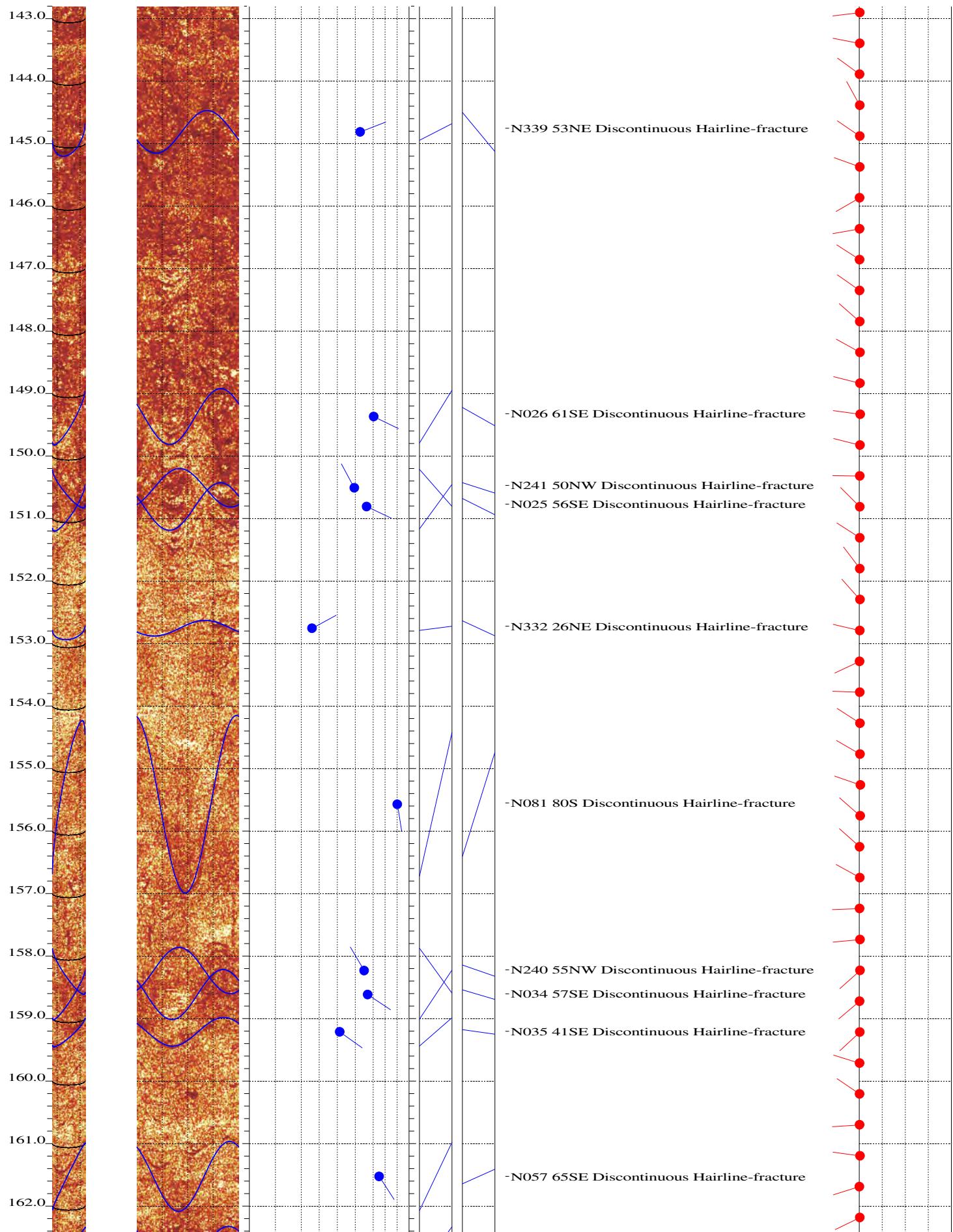


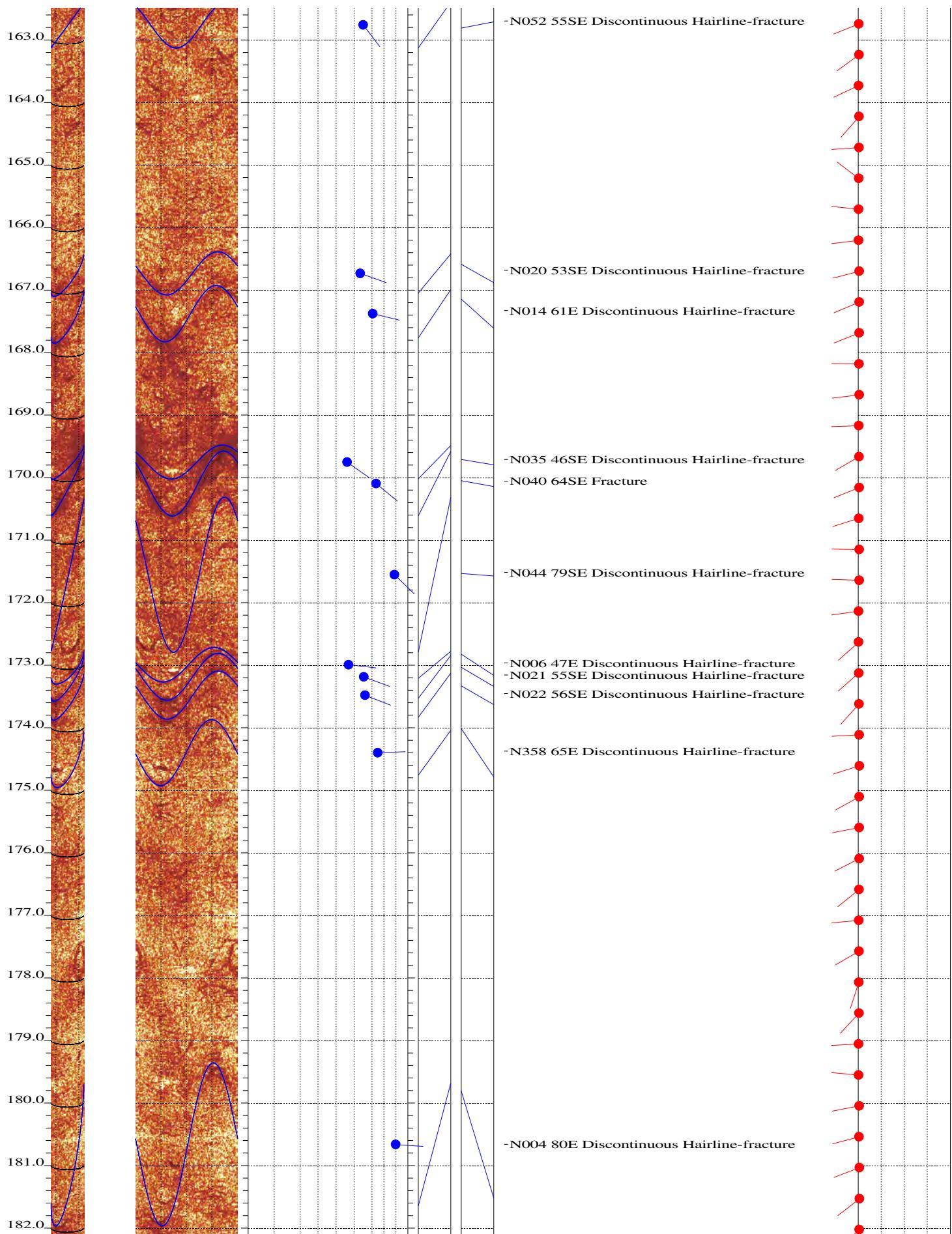


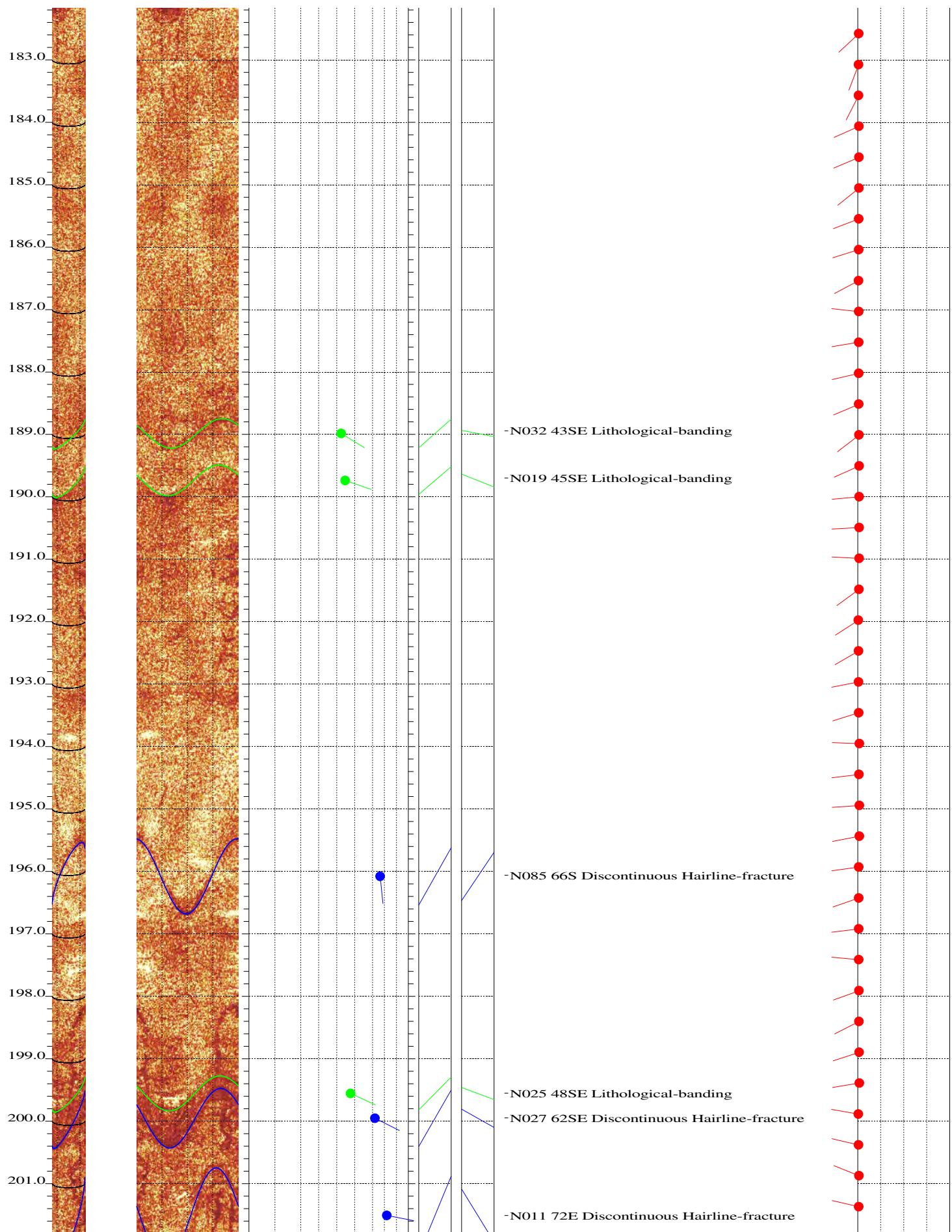


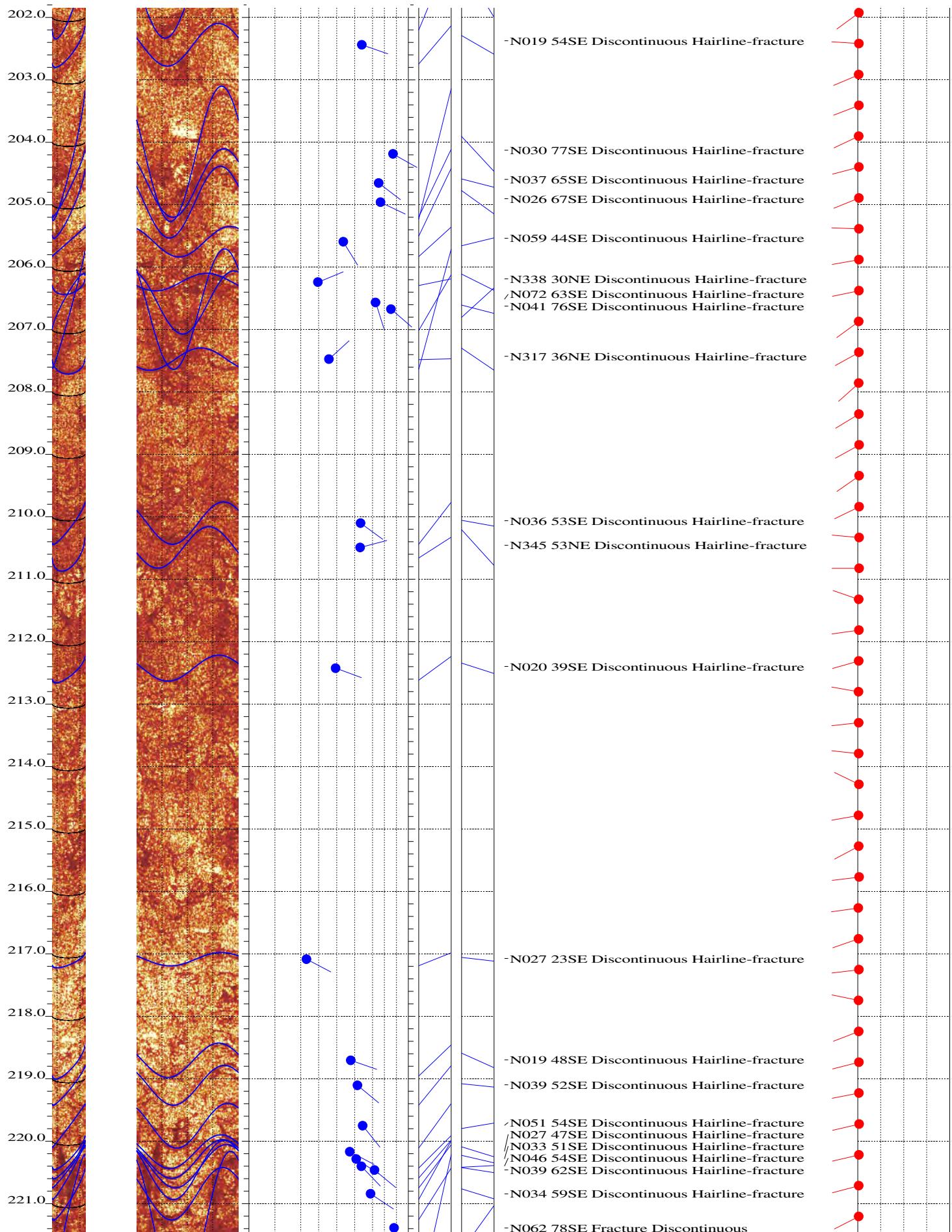


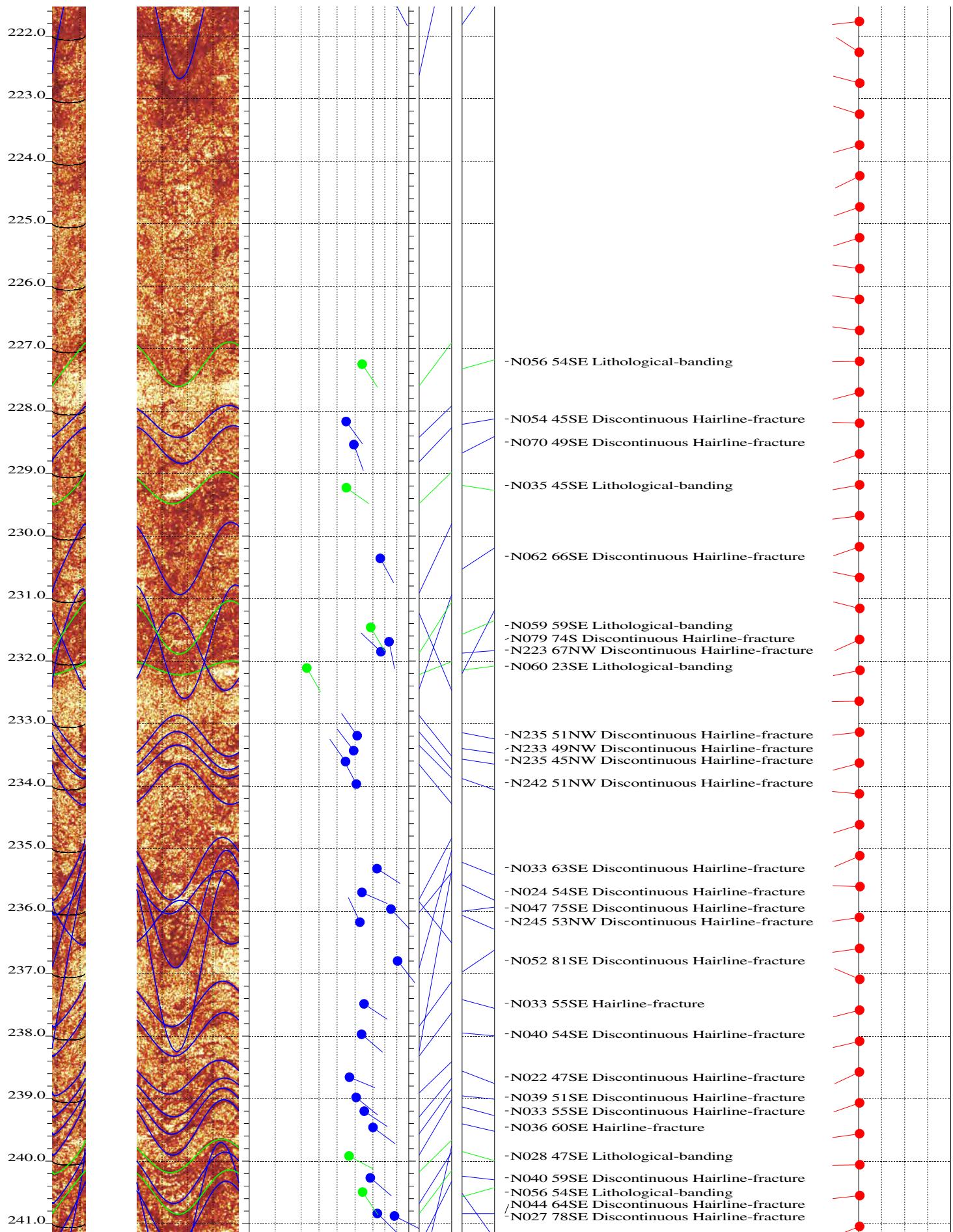


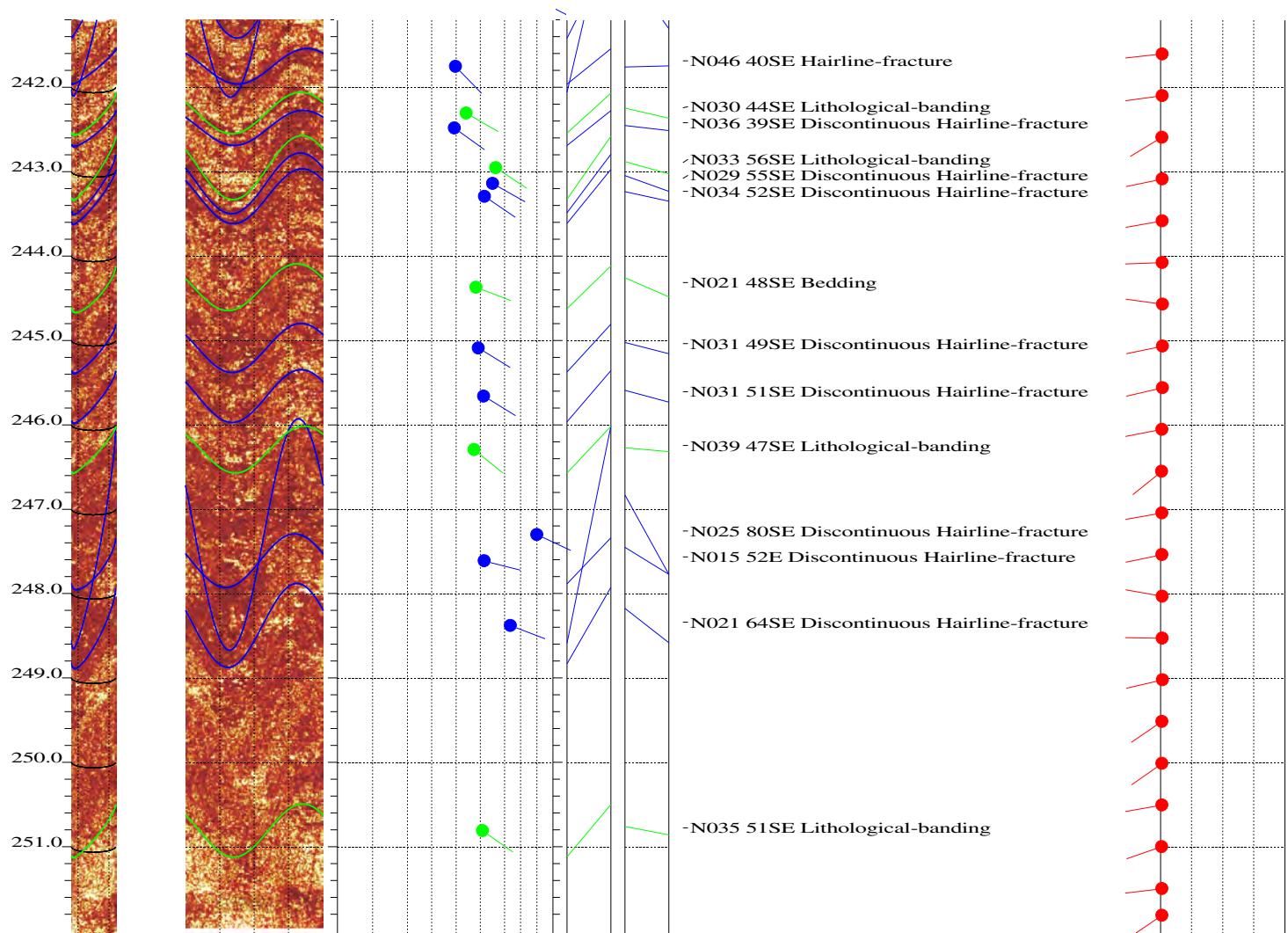














DIP DATA INTERPRETATION
RGLDIP vsn 6.1
STRIKE-DIRECTION, FRACTURE ROSE-DIAGRAM

10 May 2012

SAIC

Borehole: MW-4D

New Hanover, PA

top of borehole.....

East: _

North: _

Alt: _

North ref. is true
Depth units are feet

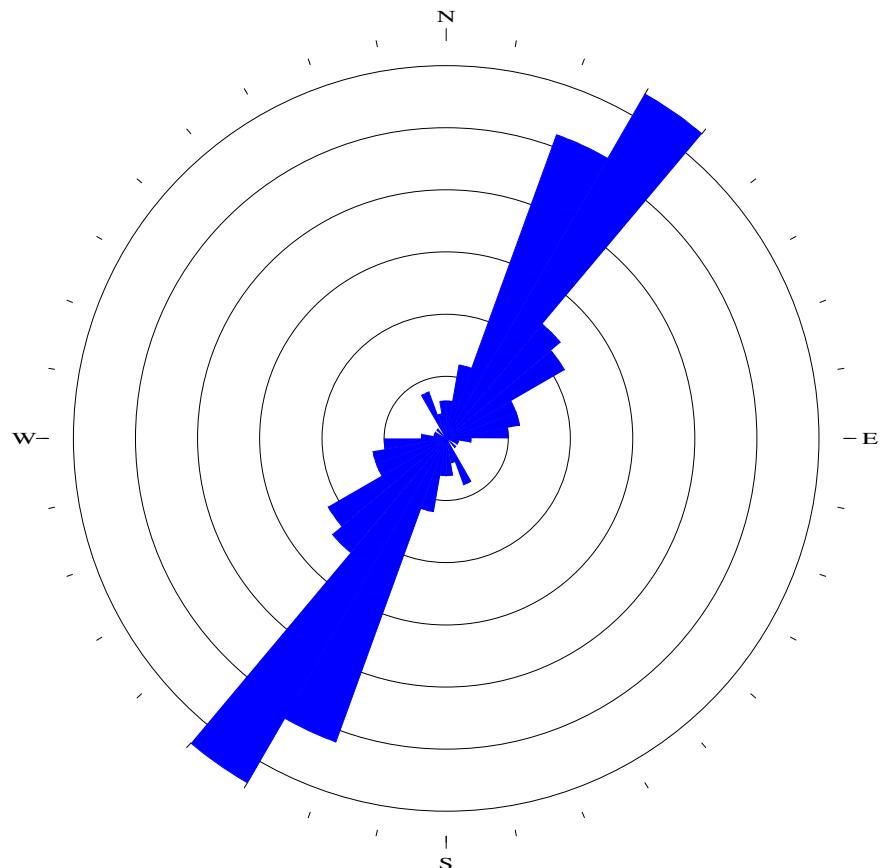
Zone from 248.839 to 44.269ft

Interpretation 1

Dip data sets

BHTV dips

MW-4D
44.269 - 248.839ft
Strike-direction, fracture rose-diagram



Azimuth Incr = 10°
N = 121

0 5 10 15 20 25 30



DIP DATA INTERPRETATION
RGLDIP vsn 6.1
DIP-AZIMUTH, FRACTURE ROSE-DIAGRAM

10 May 2012

SAIC

Borehole: MW-4D

New Hanover, PA

top of borehole.....

East: _

North: _

Alt: _

North ref. is true
Depth units are feet

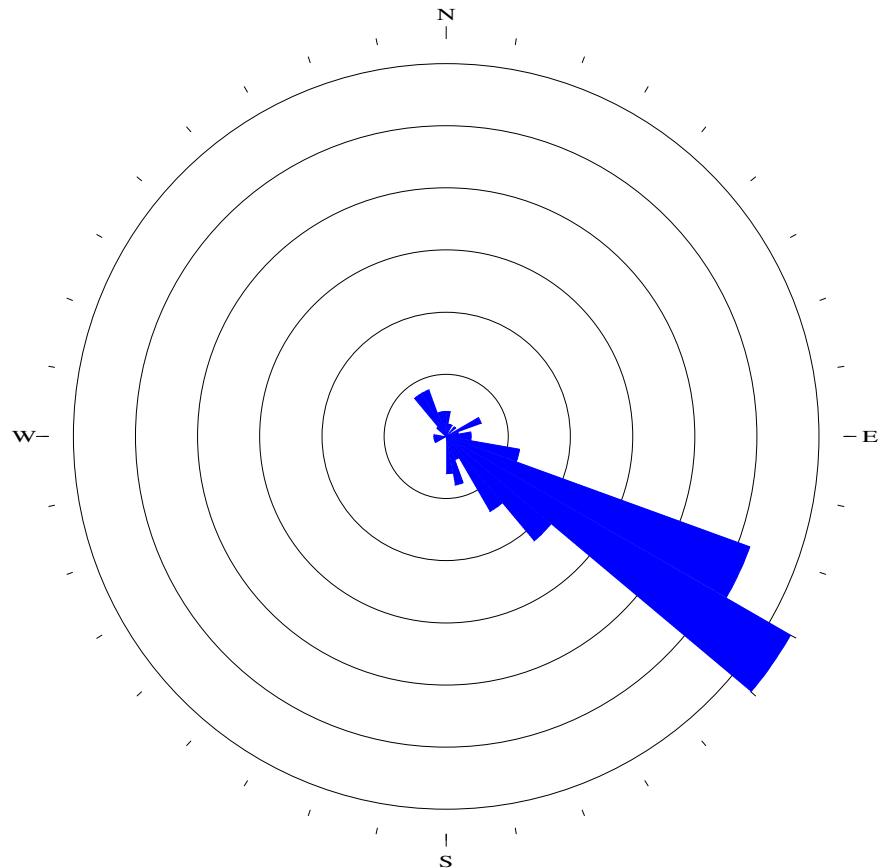
Zone from 248.839 to 44.269ft

Interpretation 1

Dip data sets

BHTV dips

MW-4D
44.269 - 248.839ft
Dip-azimuth, fracture rose-diagram



Azimuth Incr = 10°
N = 121

0 5 10 15 20 25 30

SAIC

Borehole: MW-5D

New Hanover, PA

top of borehole.....

East: _

North: _

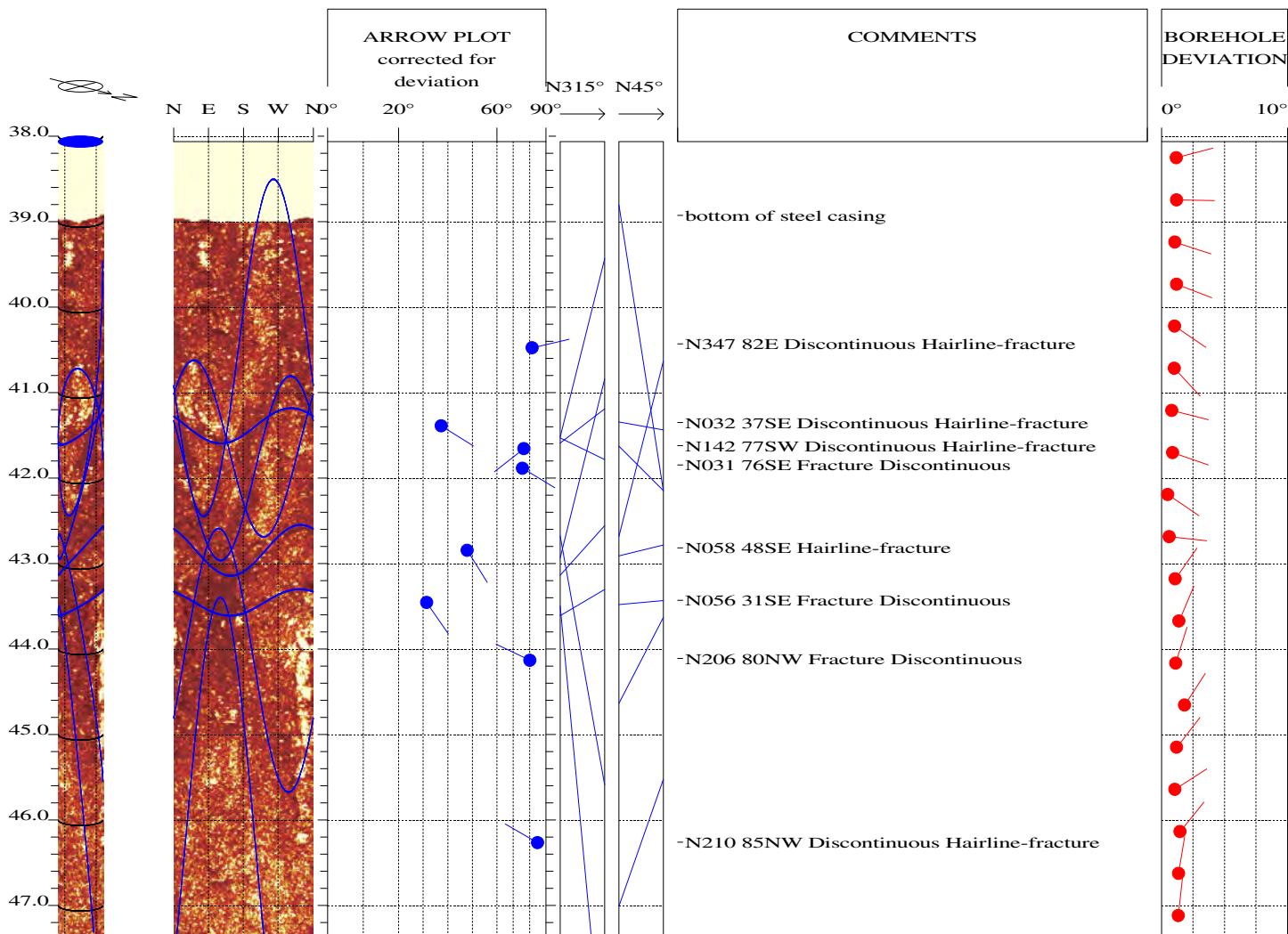
Elev: _

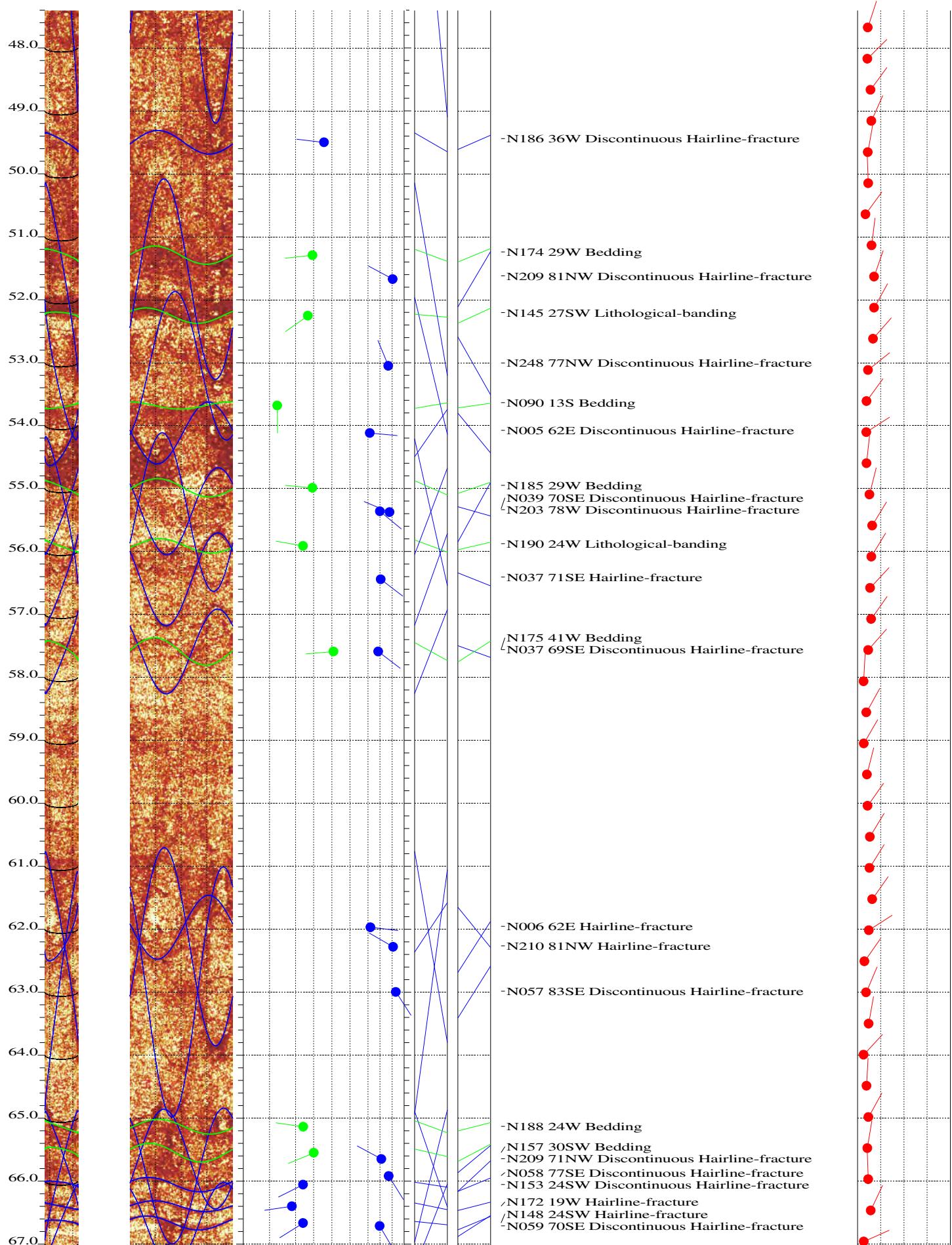
North ref. is true
Depth units are feet
Vertical scale: 1/24
Horiz scale = 1.00x Vert scale

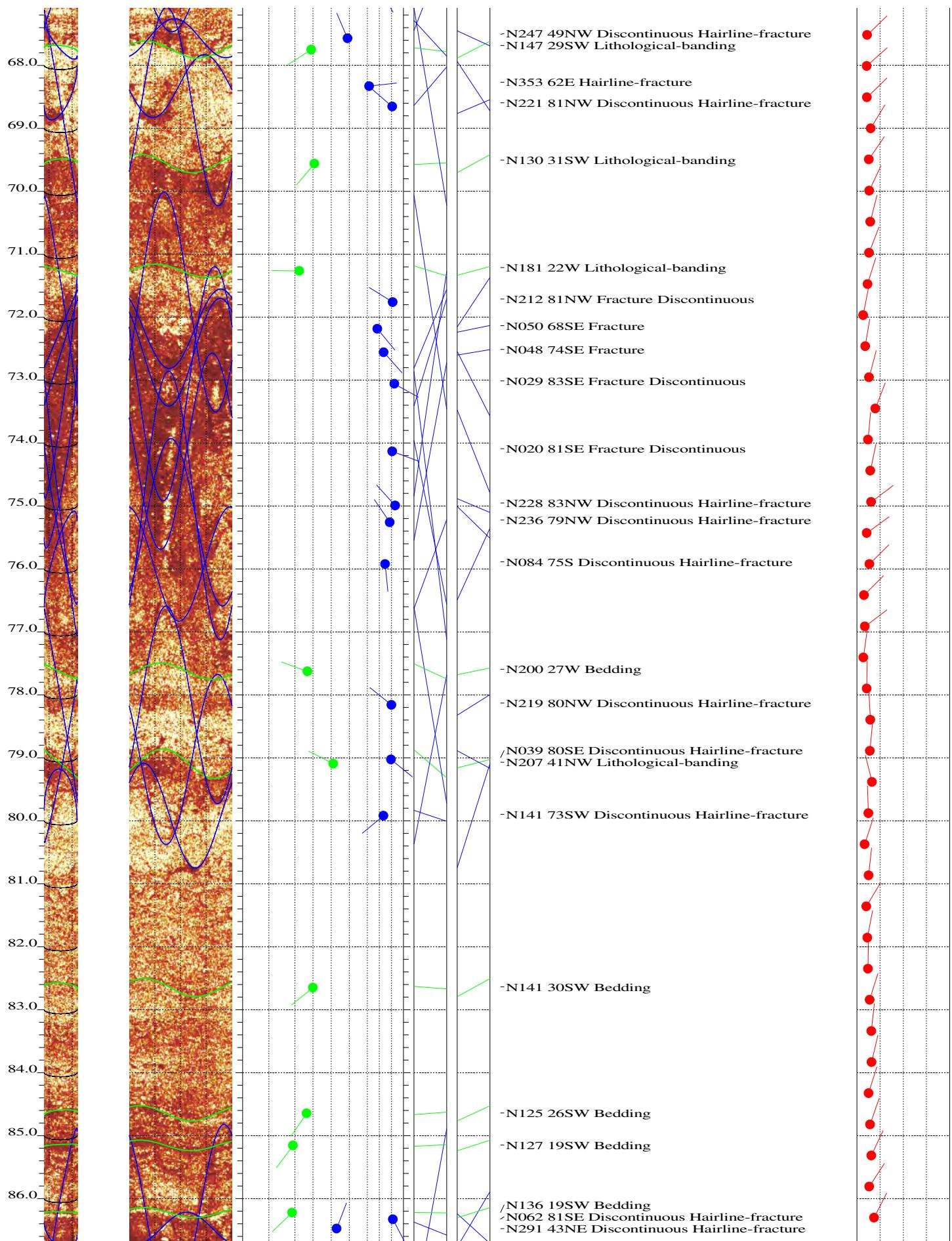
Zone from 252.000 to 38.000ft

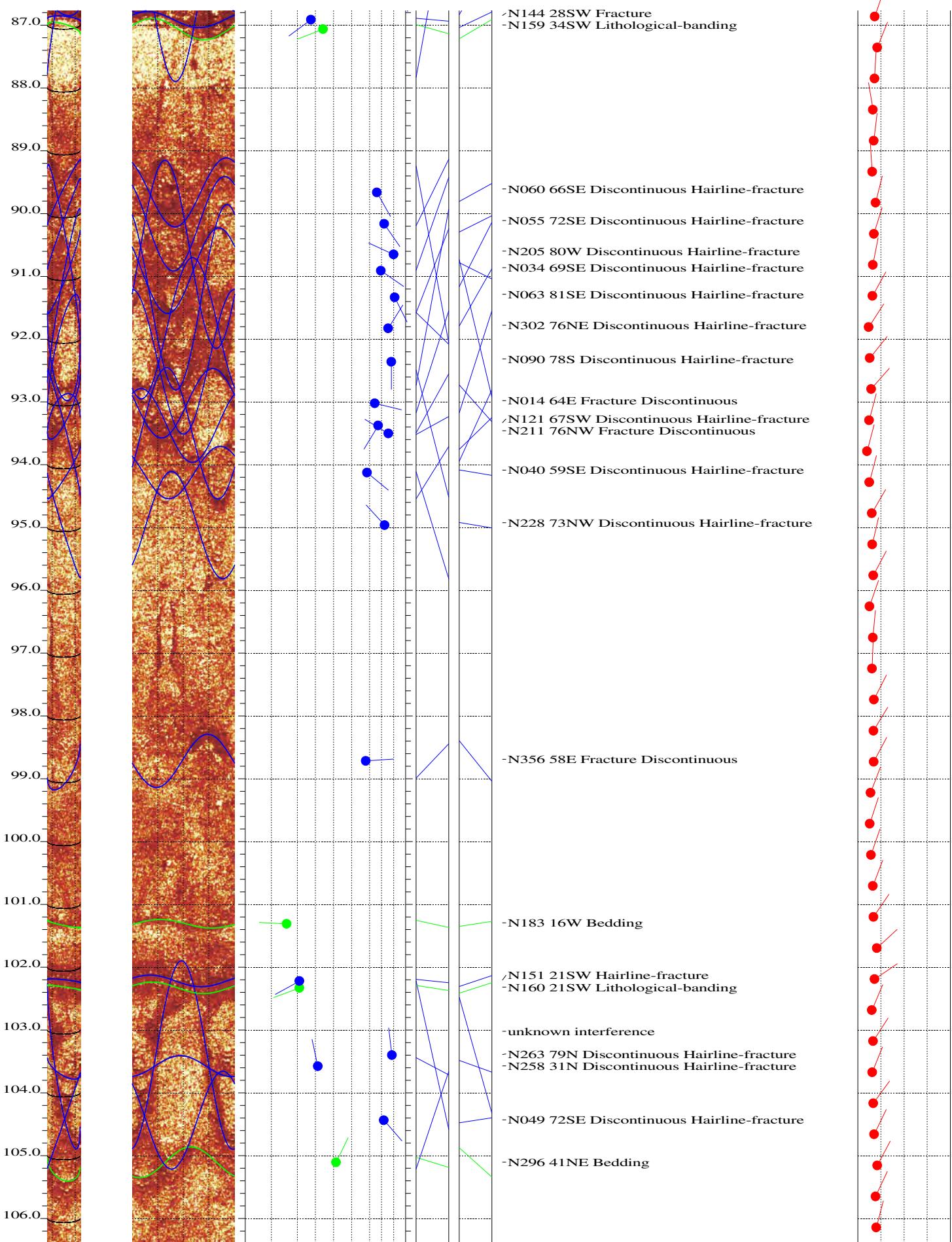
Format: BHTV-NESWN

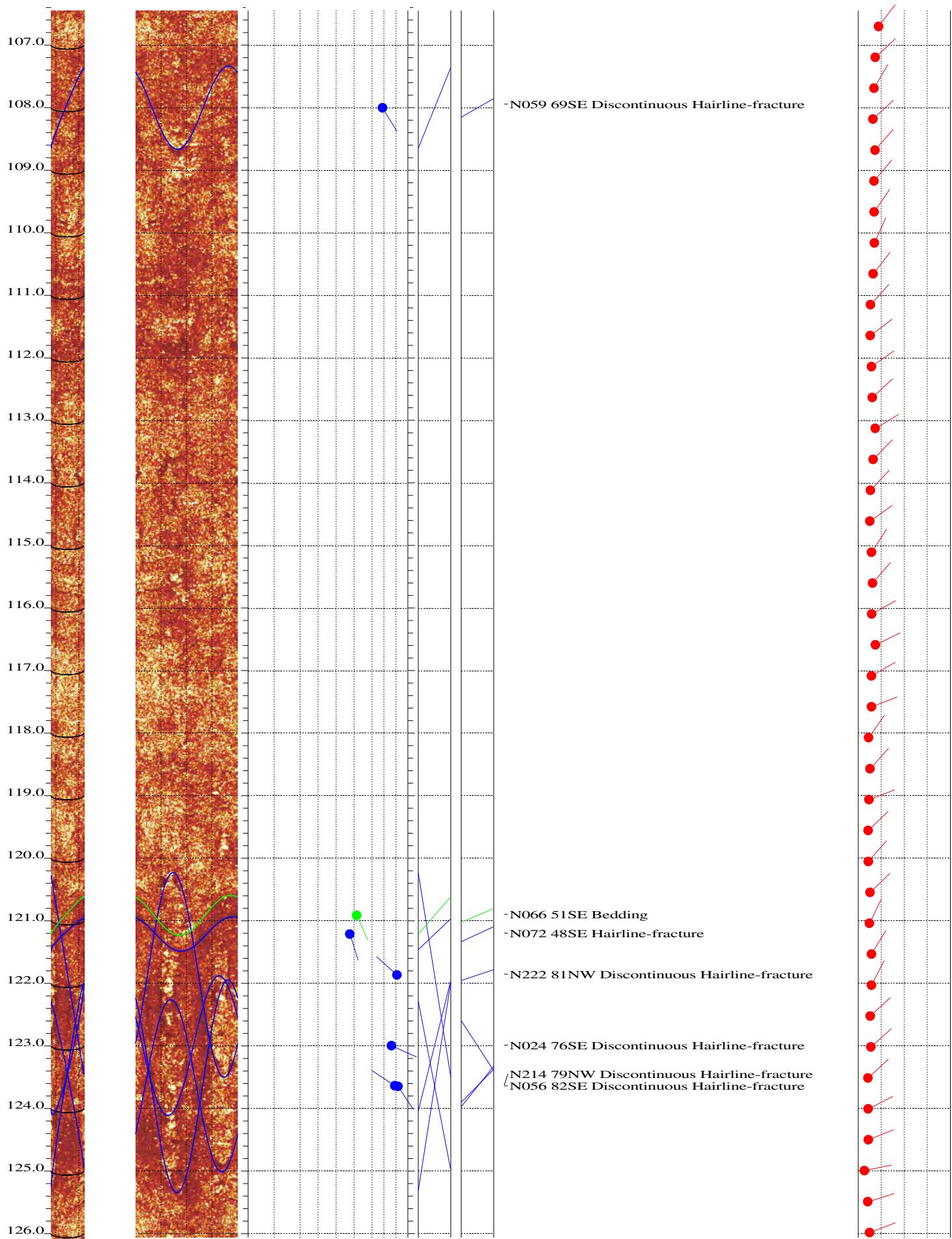
Borehole diam: 6.250inch
Vertical = borehole-axis
Image: Amplitude

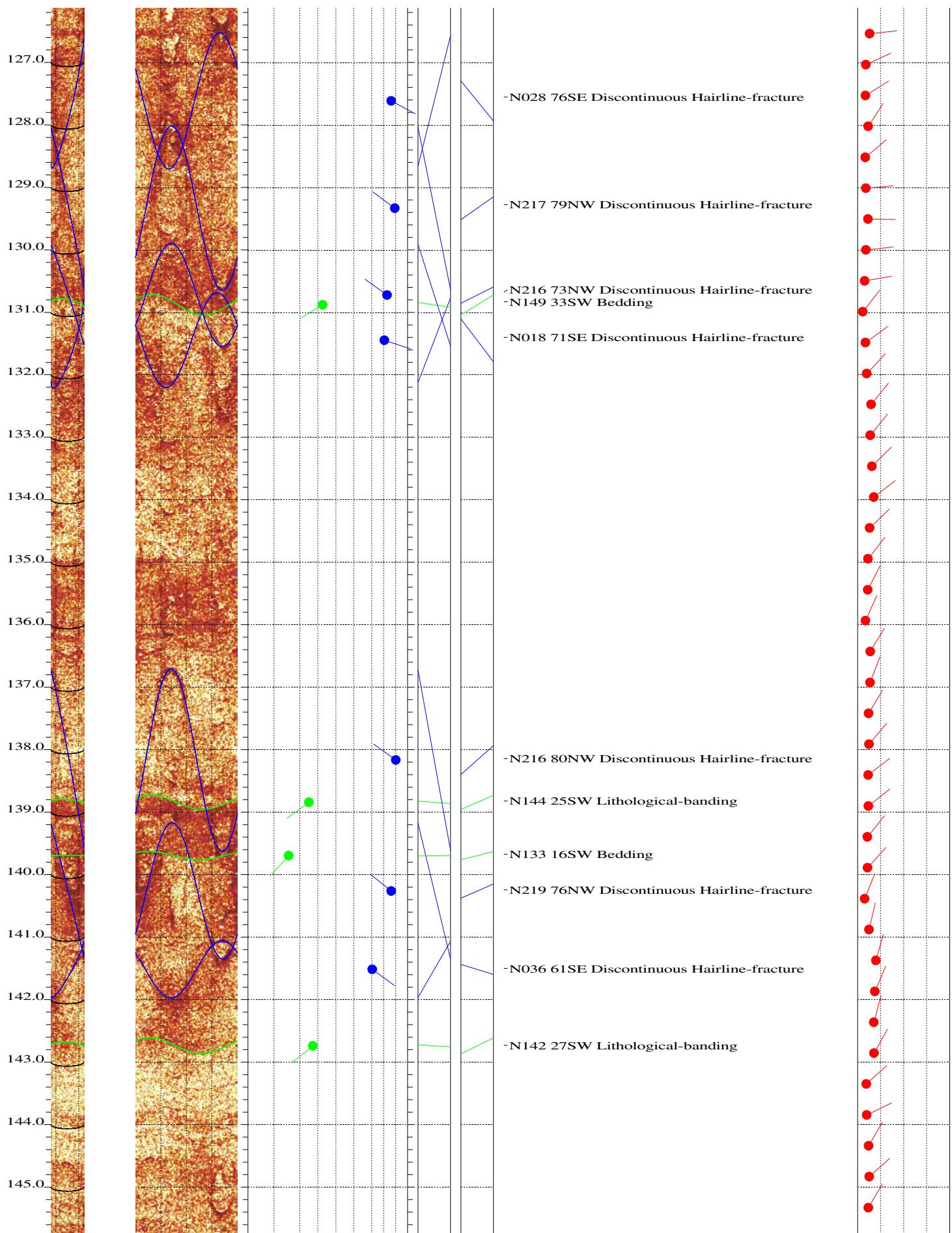


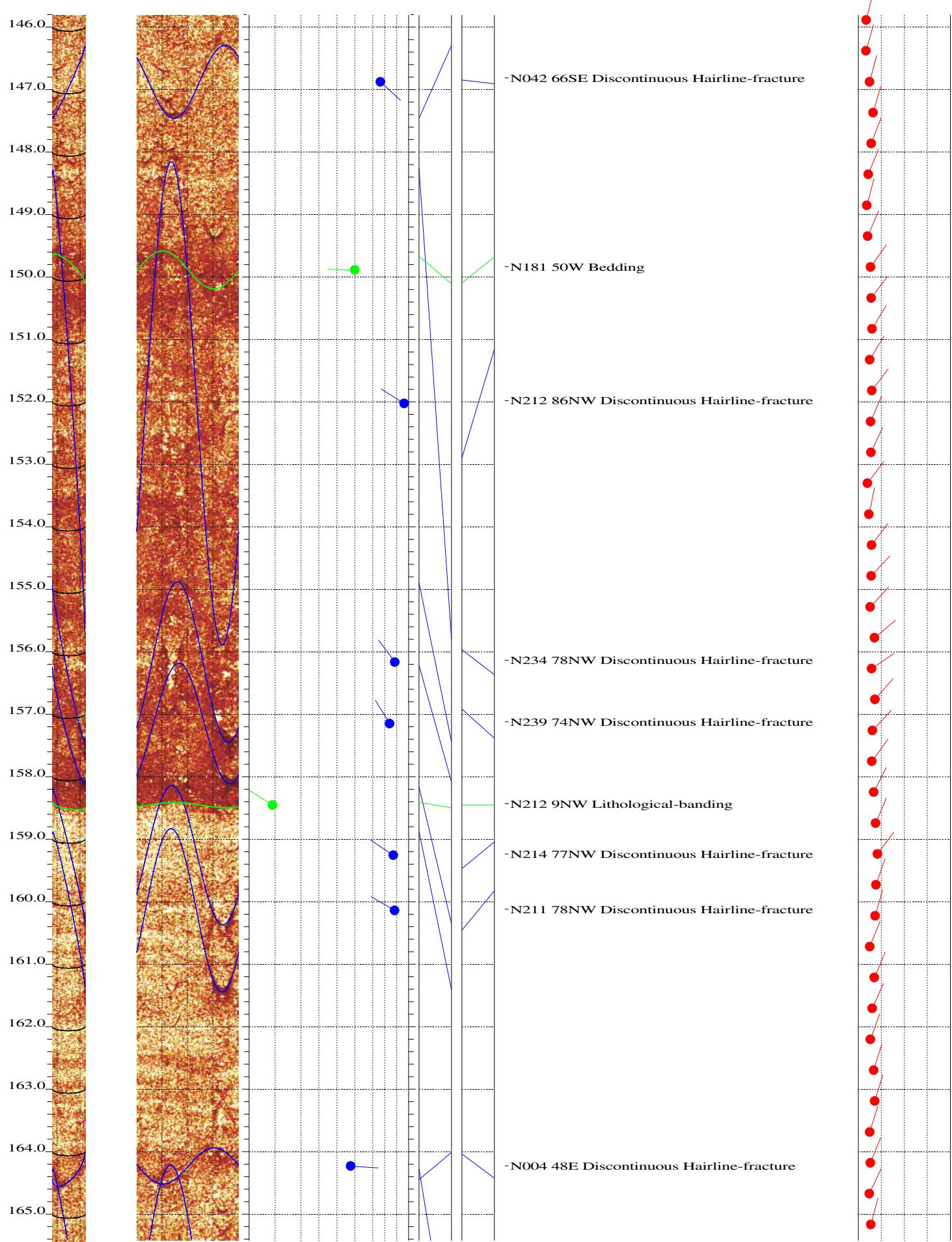


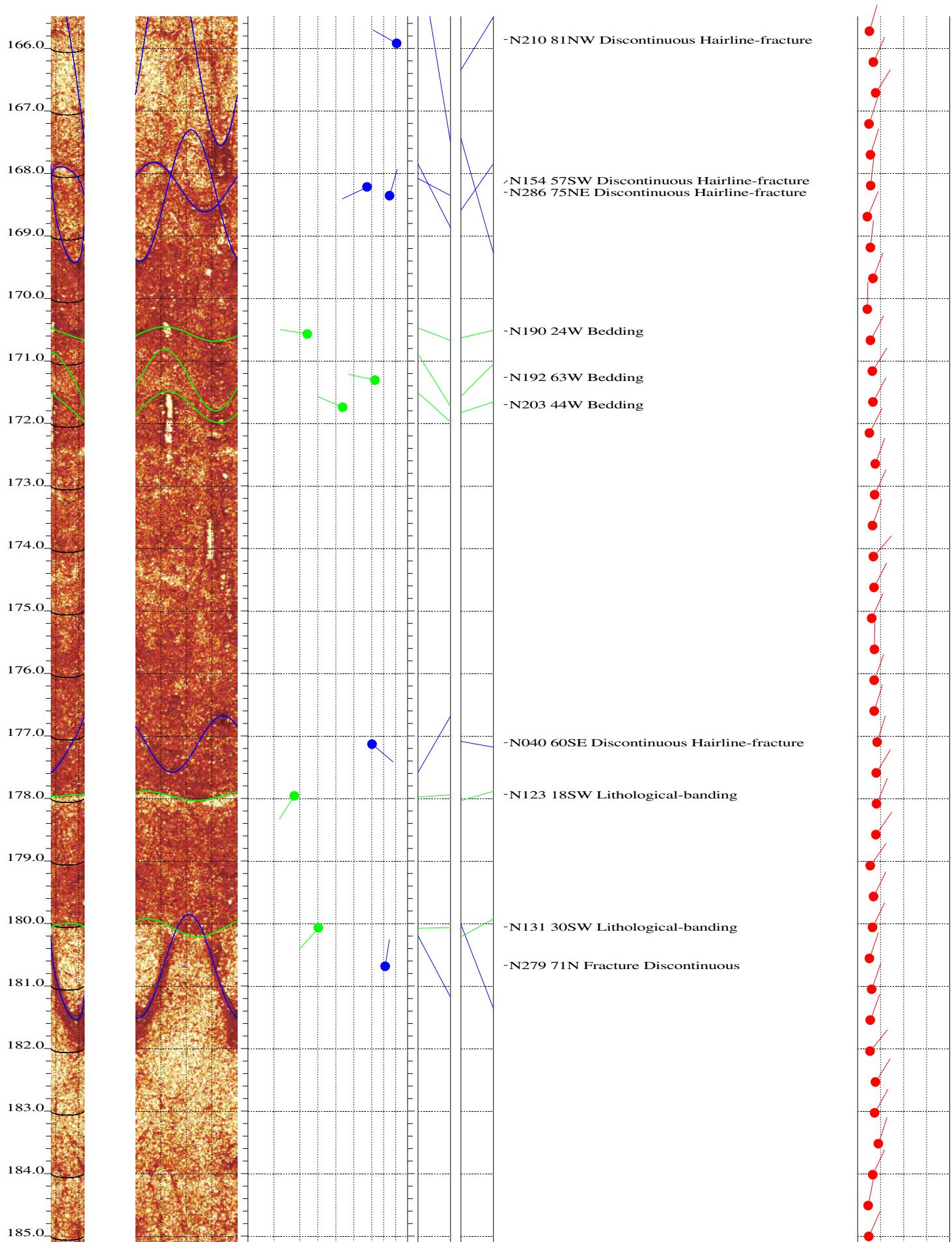


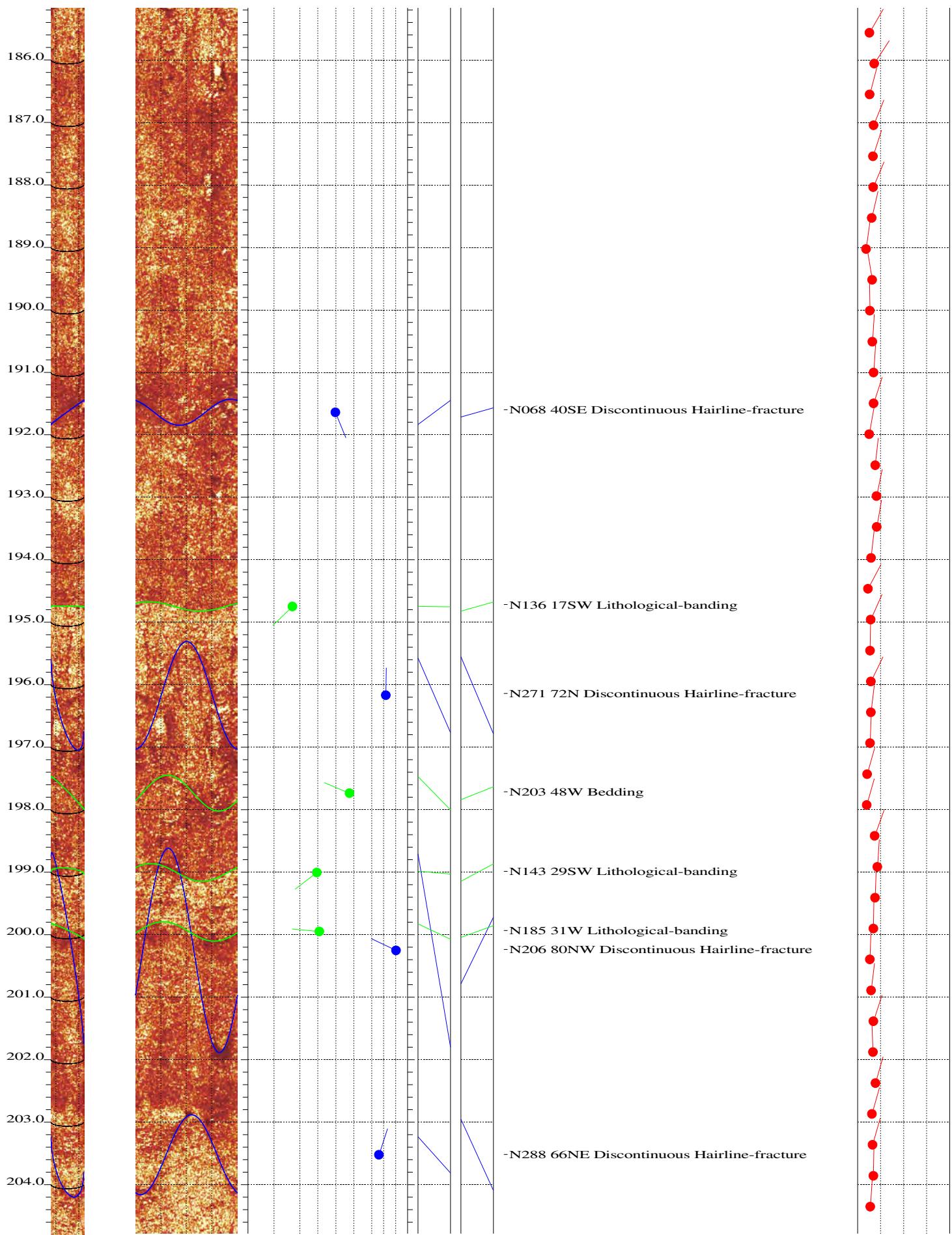


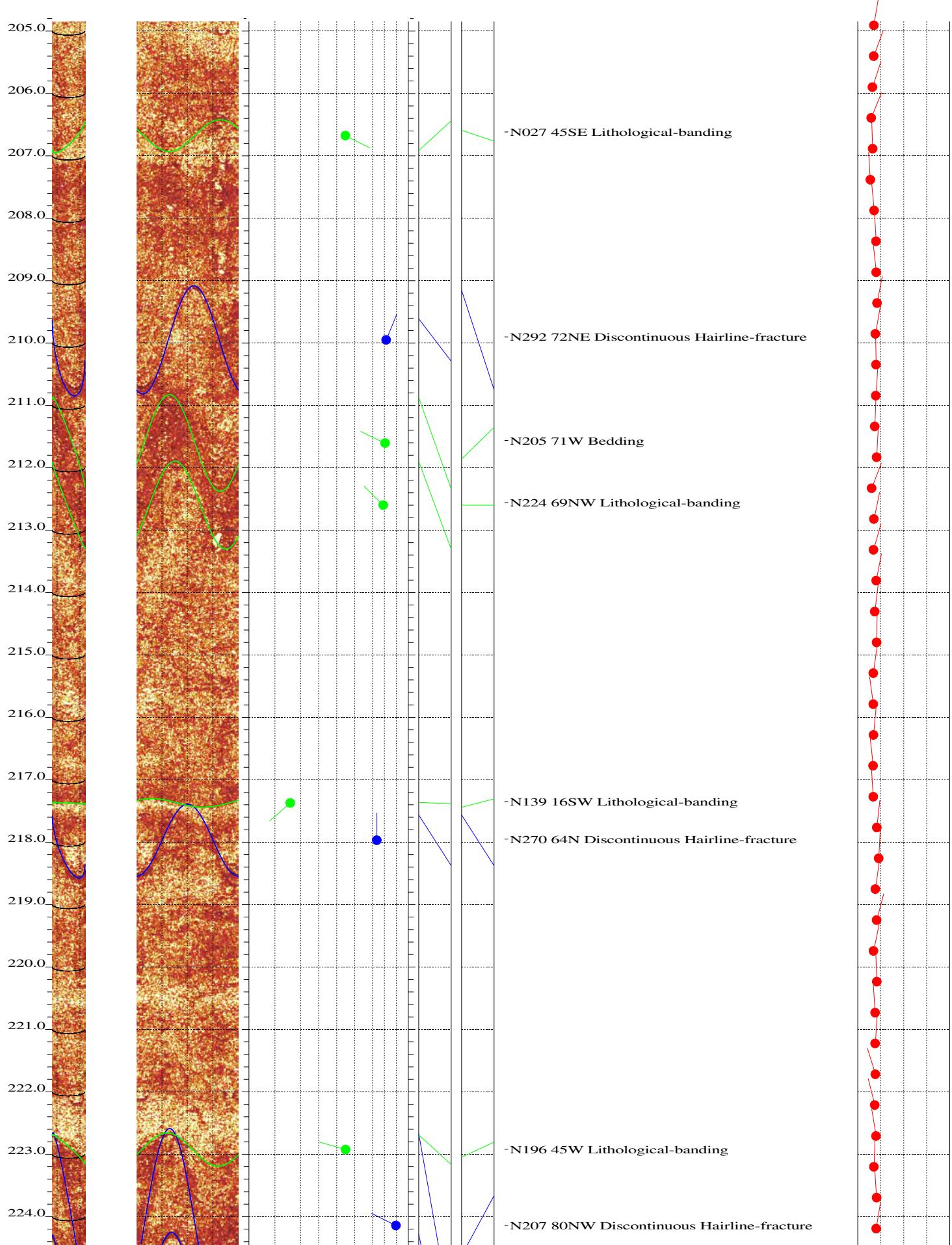


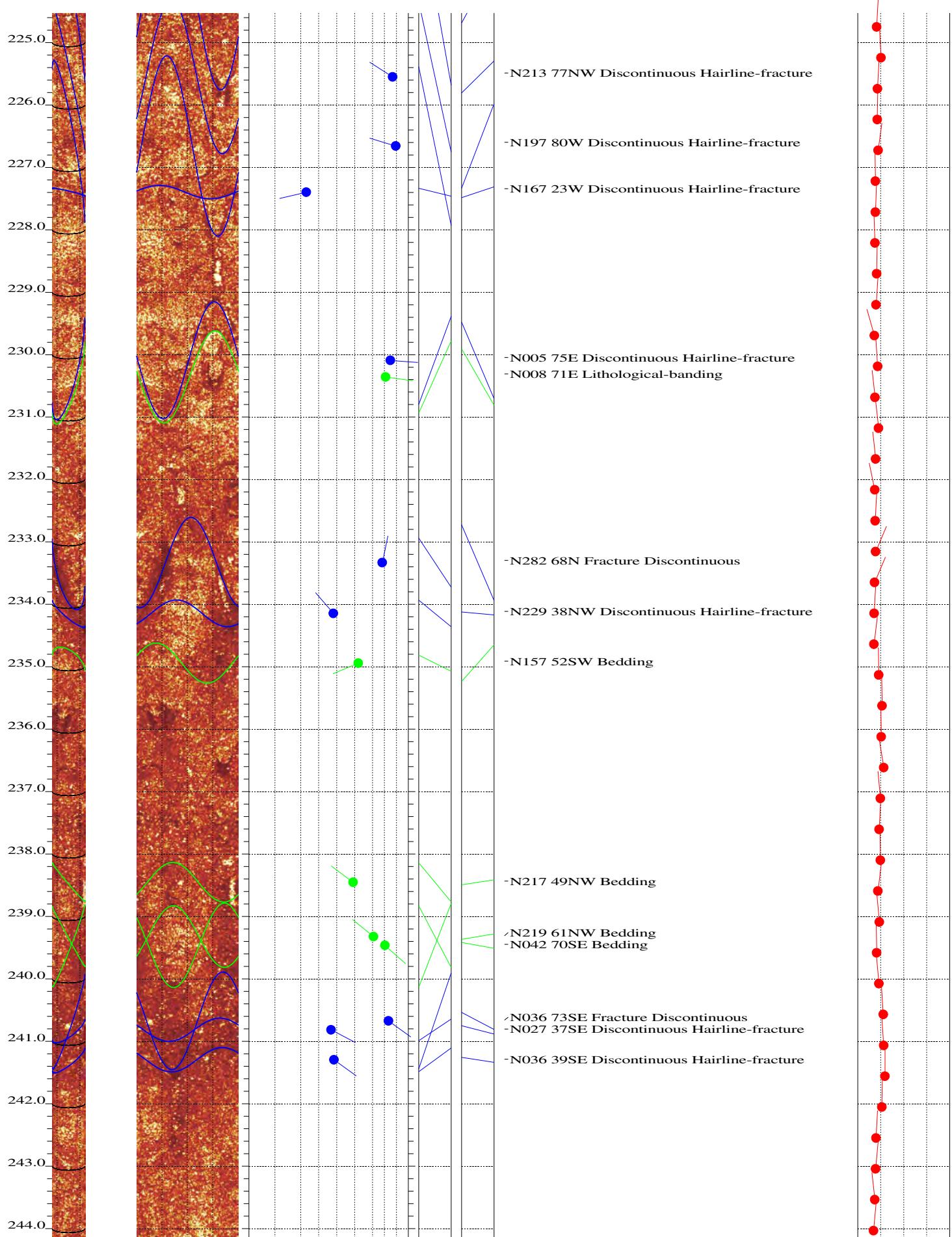


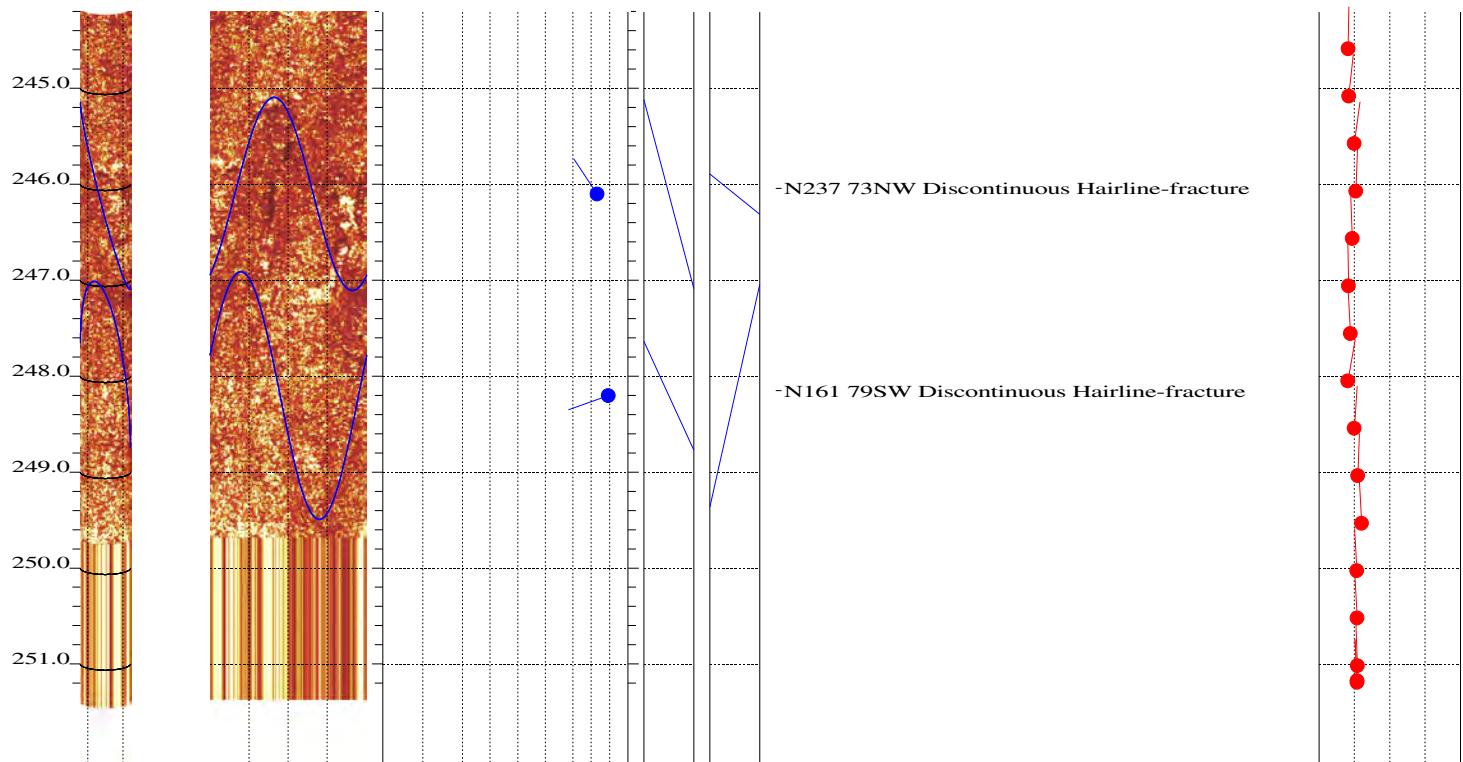














DIP DATA INTERPRETATION
RGLDIP vsn 6.1
STRIKE-DIRECTION, FRACTURE ROSE-DIAGRAM

11 May 2012

SAIC

Borehole: MW-5D

New Hanover, PA

top of borehole.....

East: _

North: _

Alt: _

North ref. is true
Depth units are feet

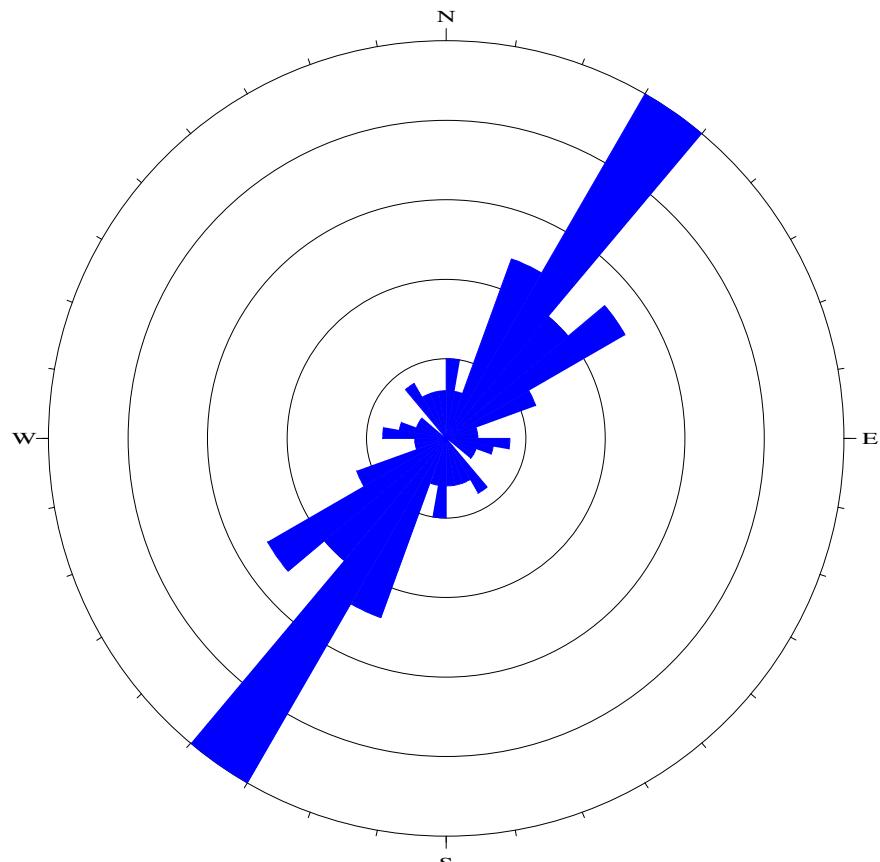
Zone from 248.655 to 39.929ft

Interpretation 1

Dip data sets

BHTV dips

MW-5D
39.929 - 248.655ft
Strike-direction, fracture rose-diagram



Azimuth Incr = 10°
N = 102

0 5 10 15 20 25



DIP DATA INTERPRETATION
RGLDIP vsn 6.1
DIP-AZIMUTH, FRACTURE ROSE-DIAGRAM

11 May 2012

SAIC

Borehole: MW-5D

New Hanover, PA

top of borehole.....

East: _

North: _

Alt: _

North ref. is true
Depth units are feet

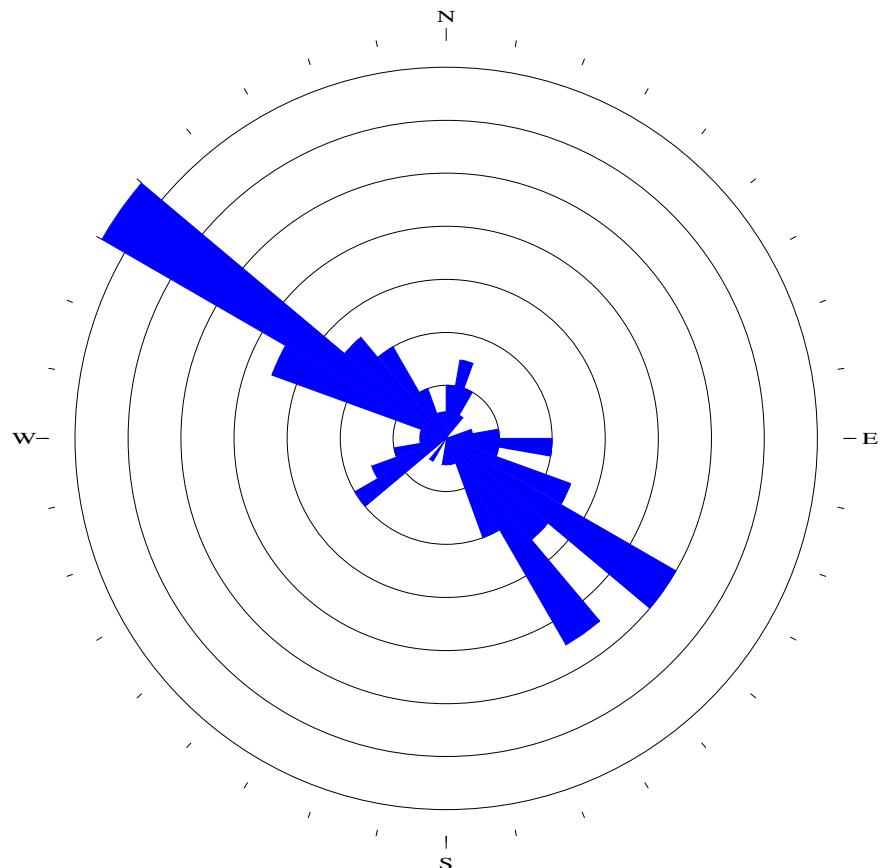
Zone from 248.655 to 39.929ft

Interpretation 1

Dip data sets

BHTV dips

MW-5D
39.929 - 248.655ft
Dip-azimuth, fracture rose-diagram



Azimuth Incr = 10°
N = 102

0 2 4 6 8 10 12 14

SAIC

Borehole: MW-7D

New Hanover, PA

top of borehole.....

East: _

North: _

Elev: _

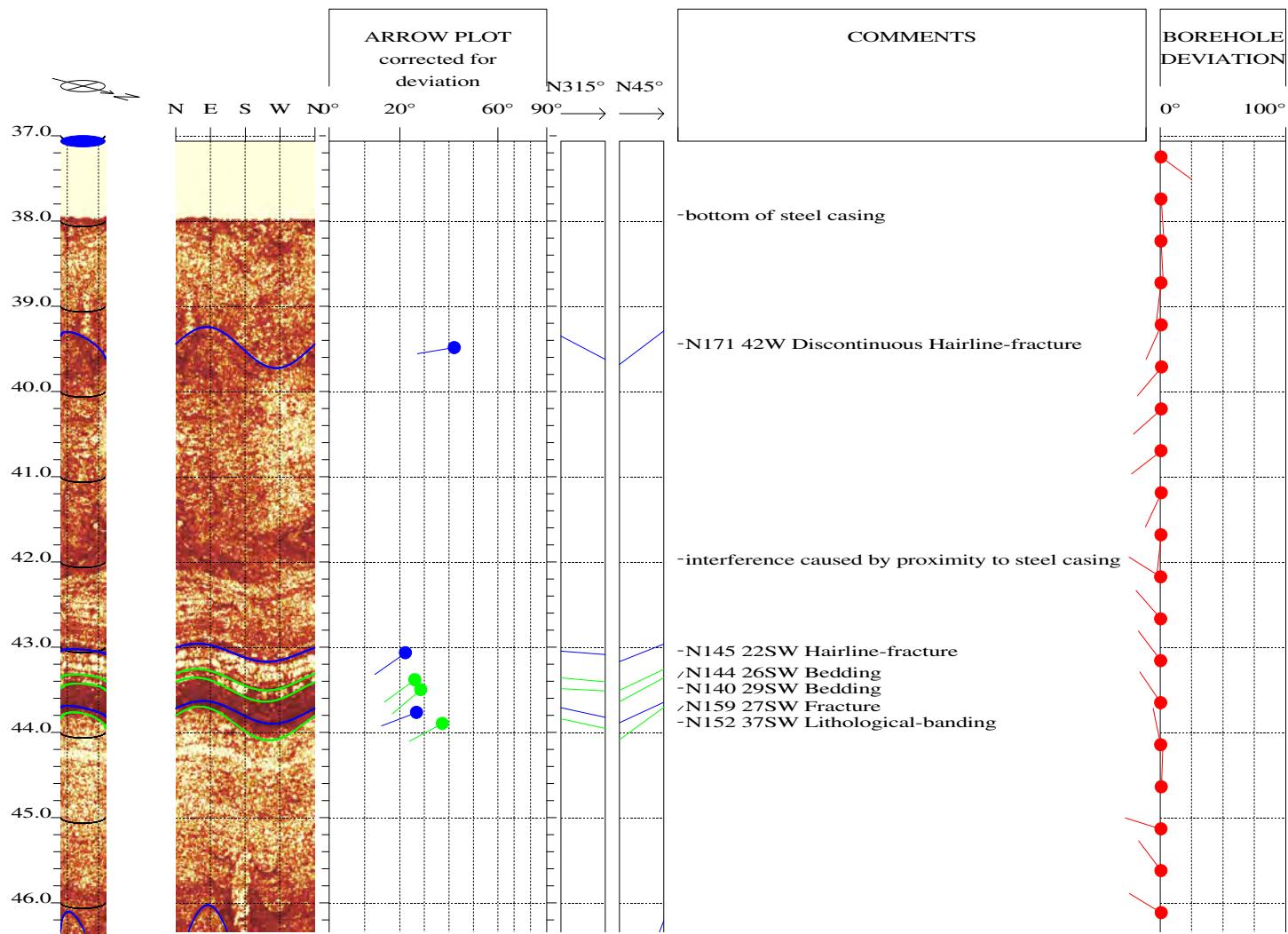
North ref. is true
Depth units are feet
Vertical scale: 1/24
Horiz scale = 1.00x Vert scale

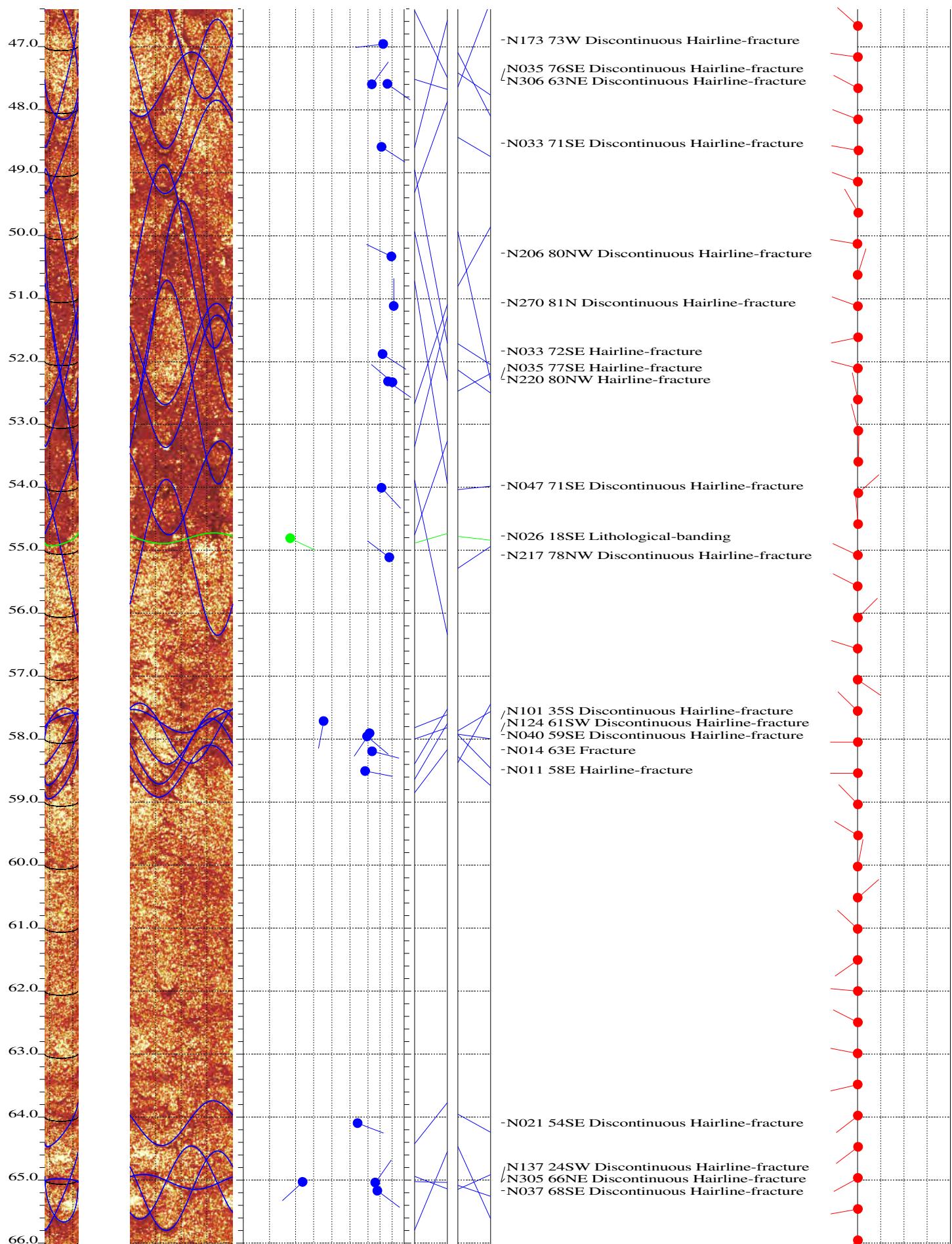
Zone from 251.000 to 37.000ft

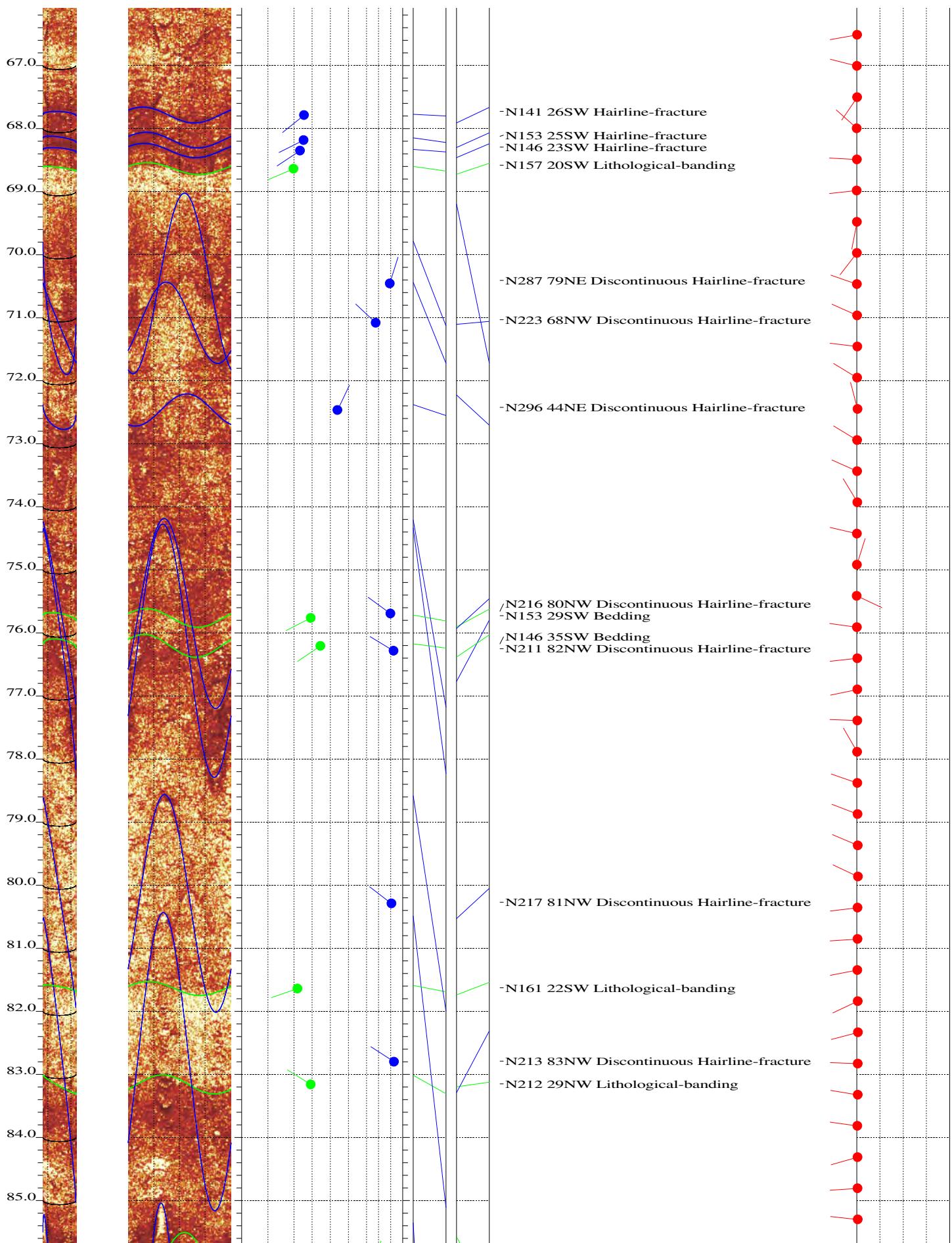
Format: BHTV-NESWN

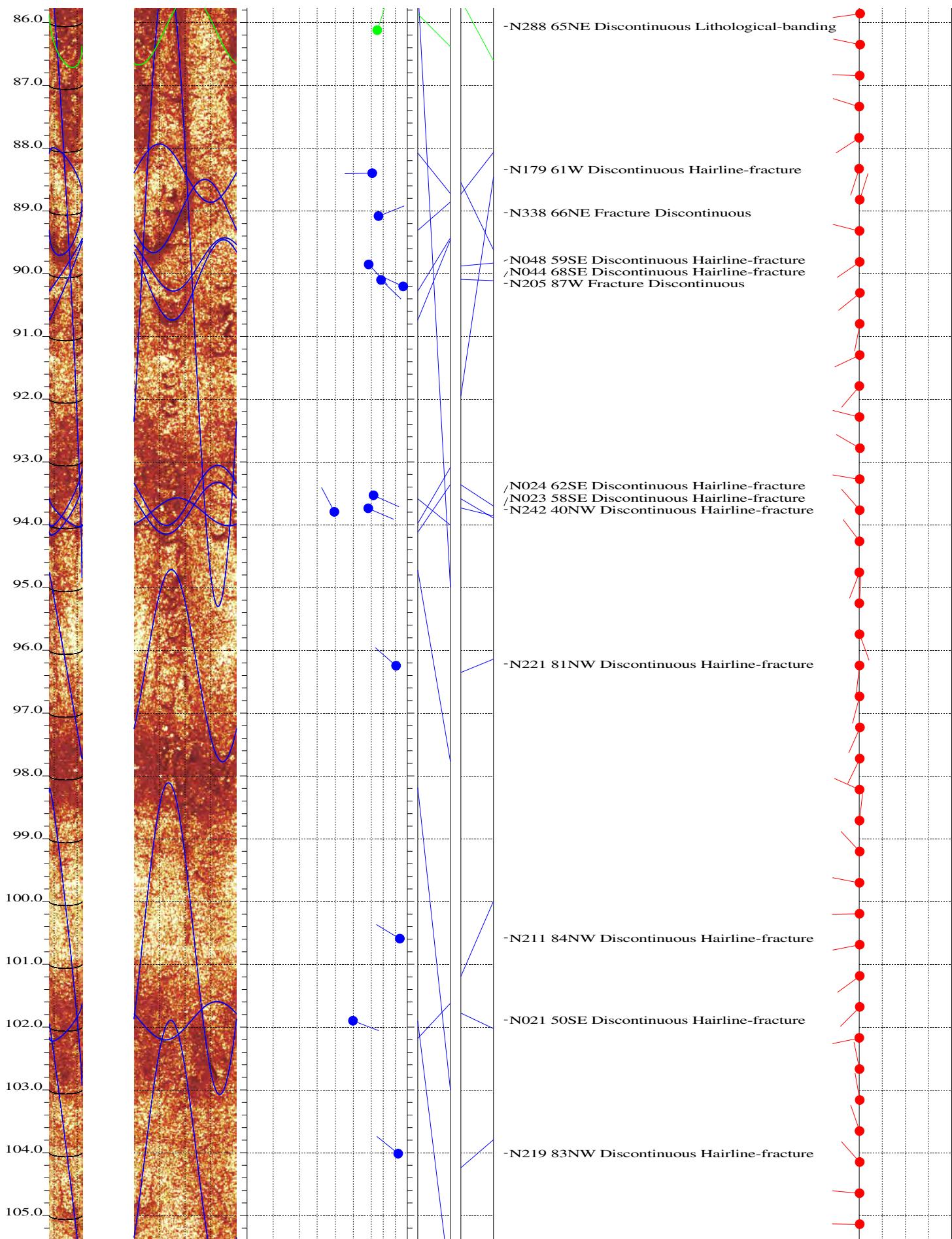


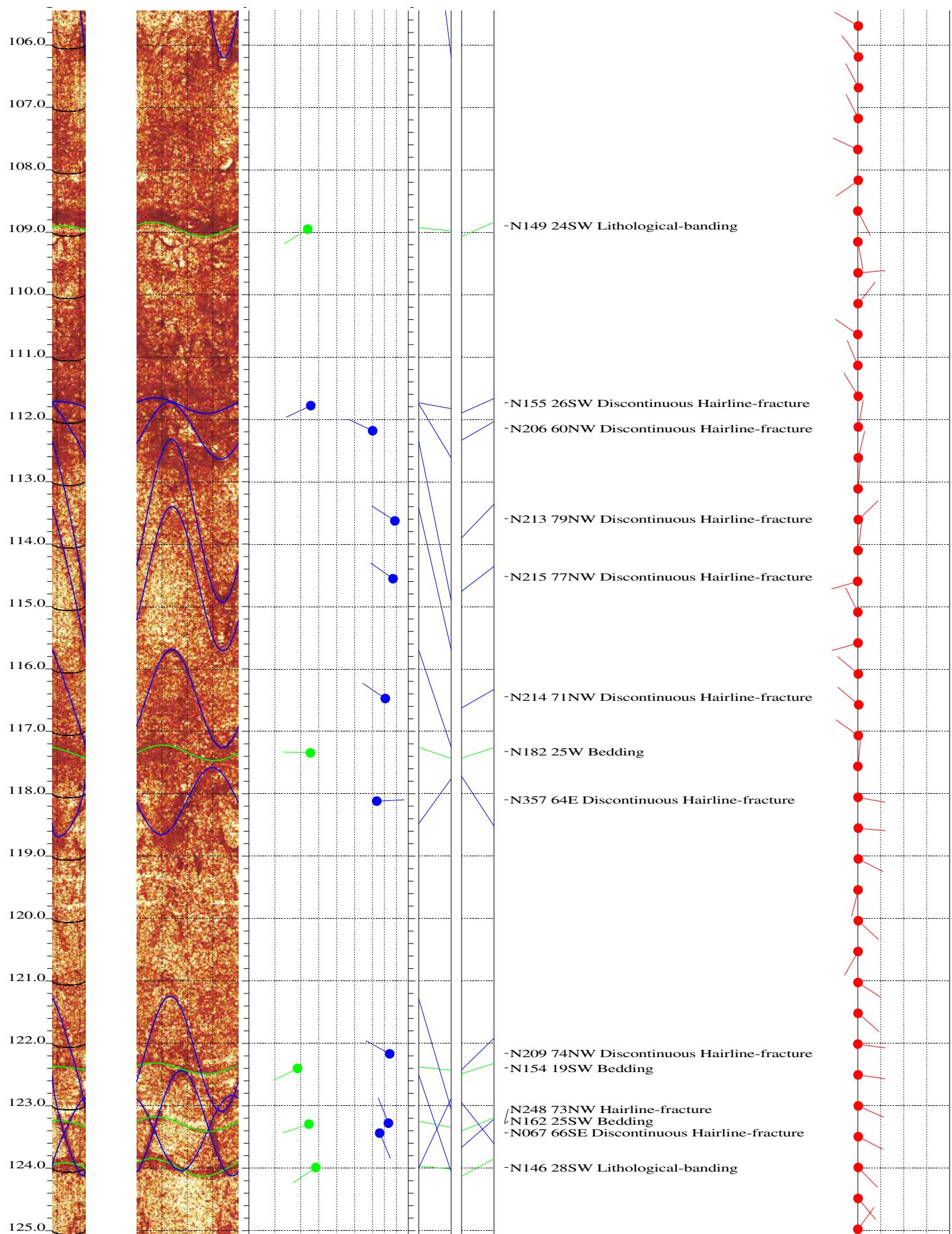
Borehole diam: 6.250inch
Vertical = borehole-axis
Image: Amplitude

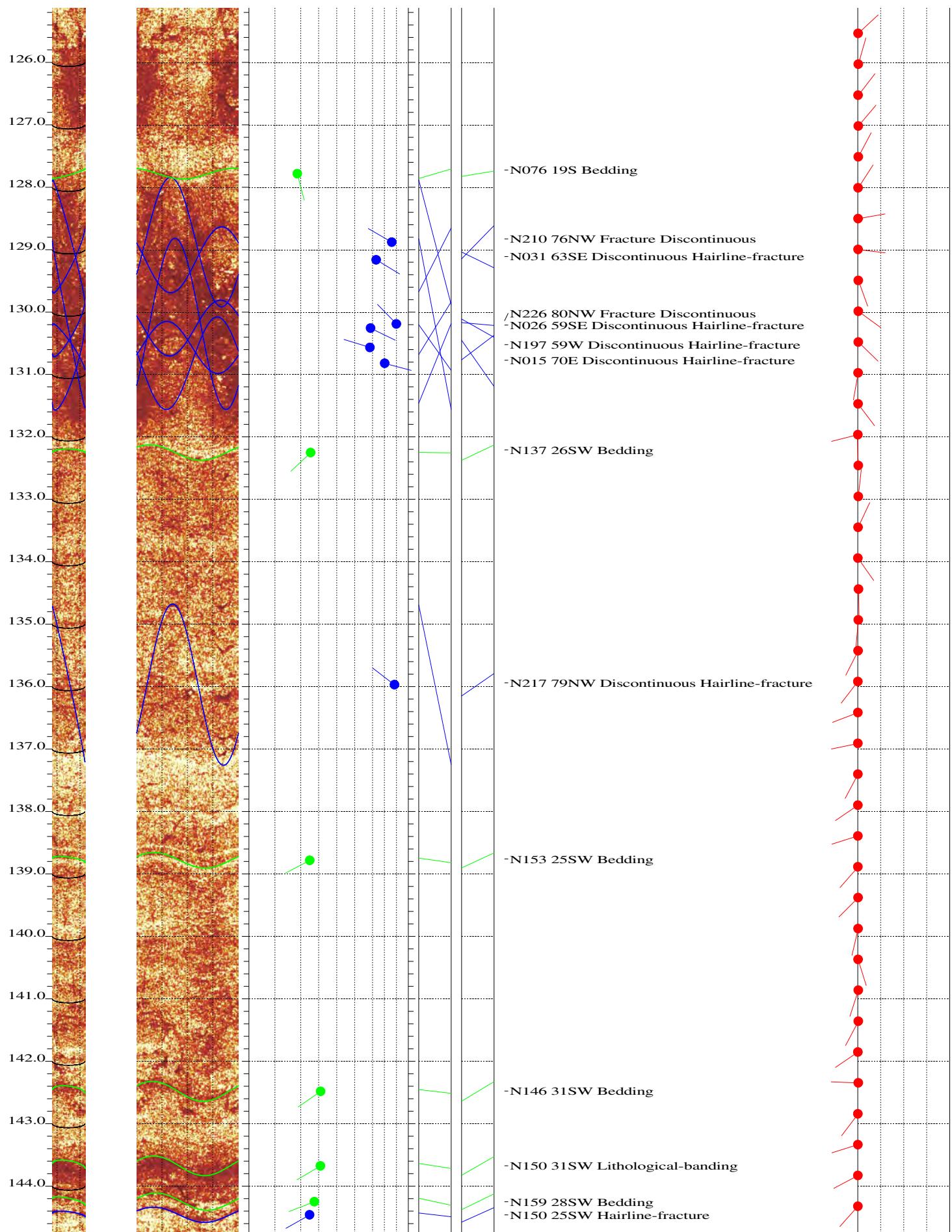


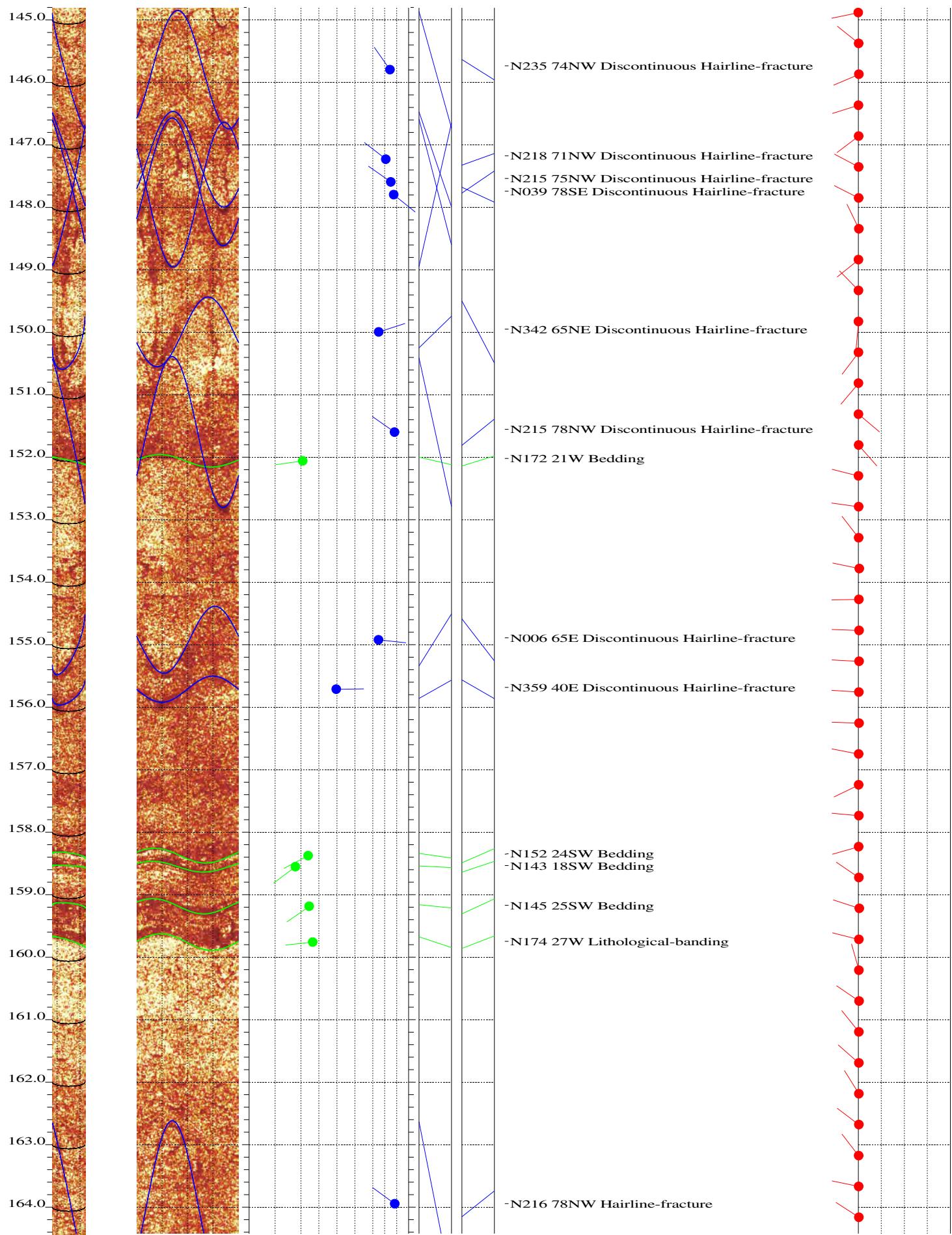


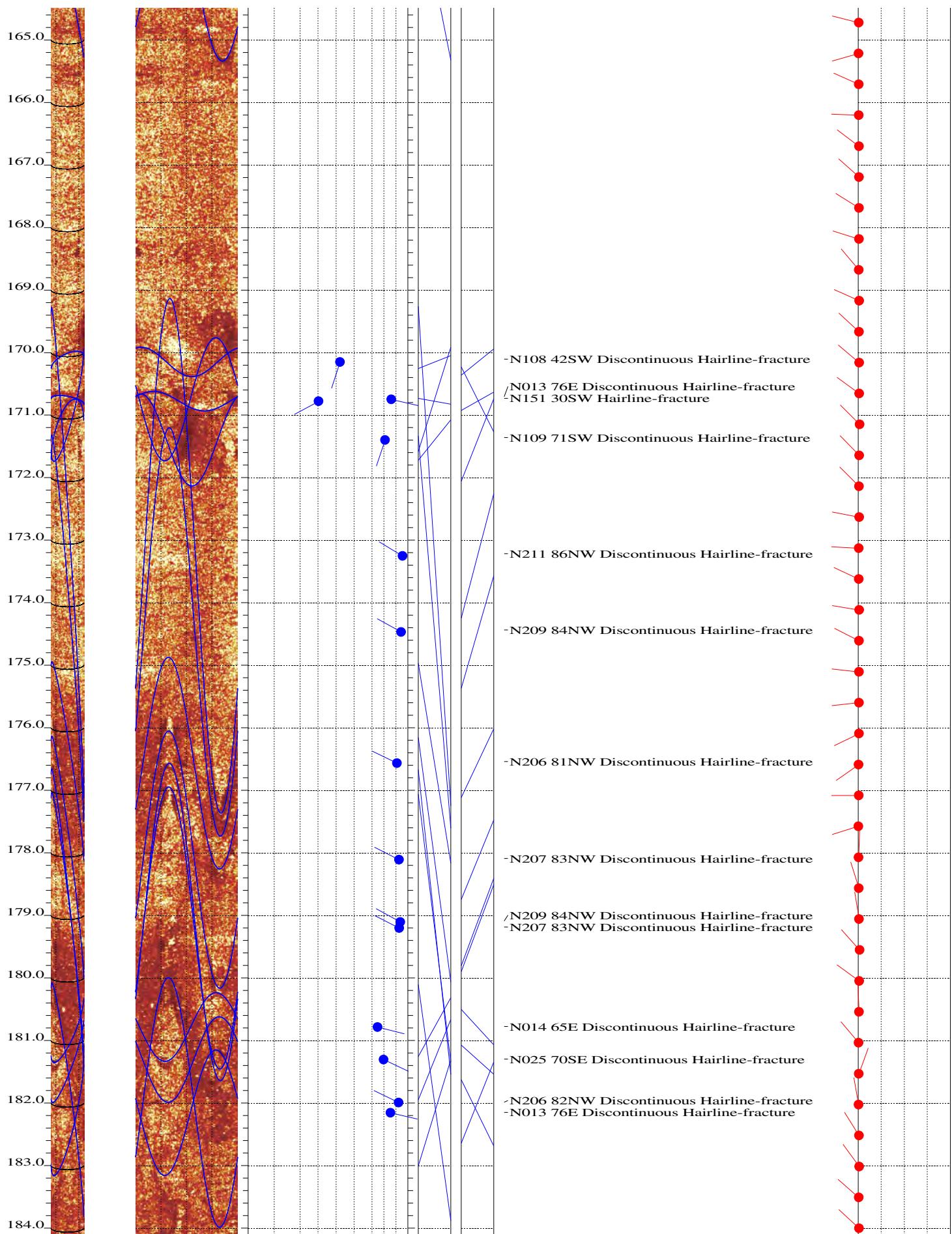


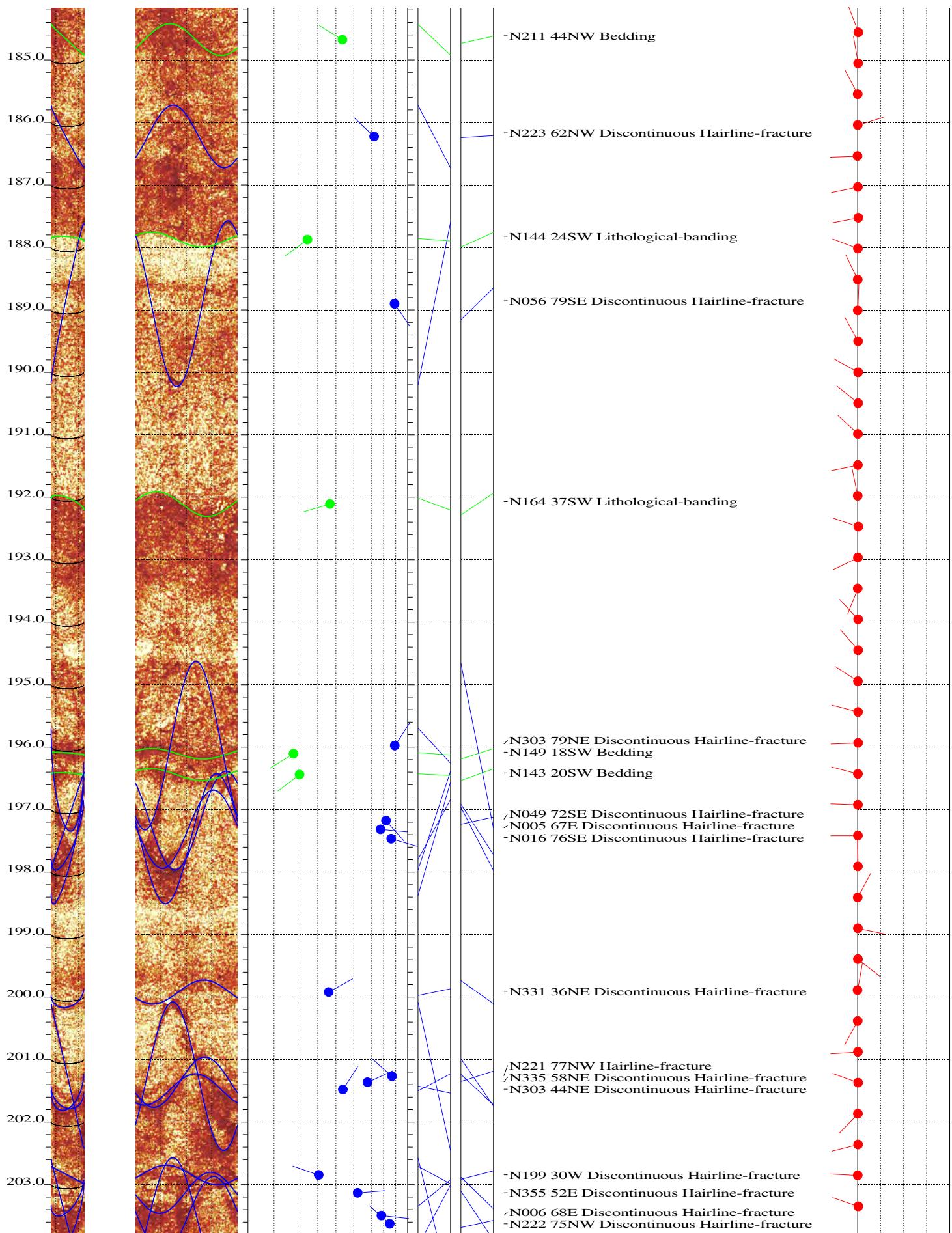


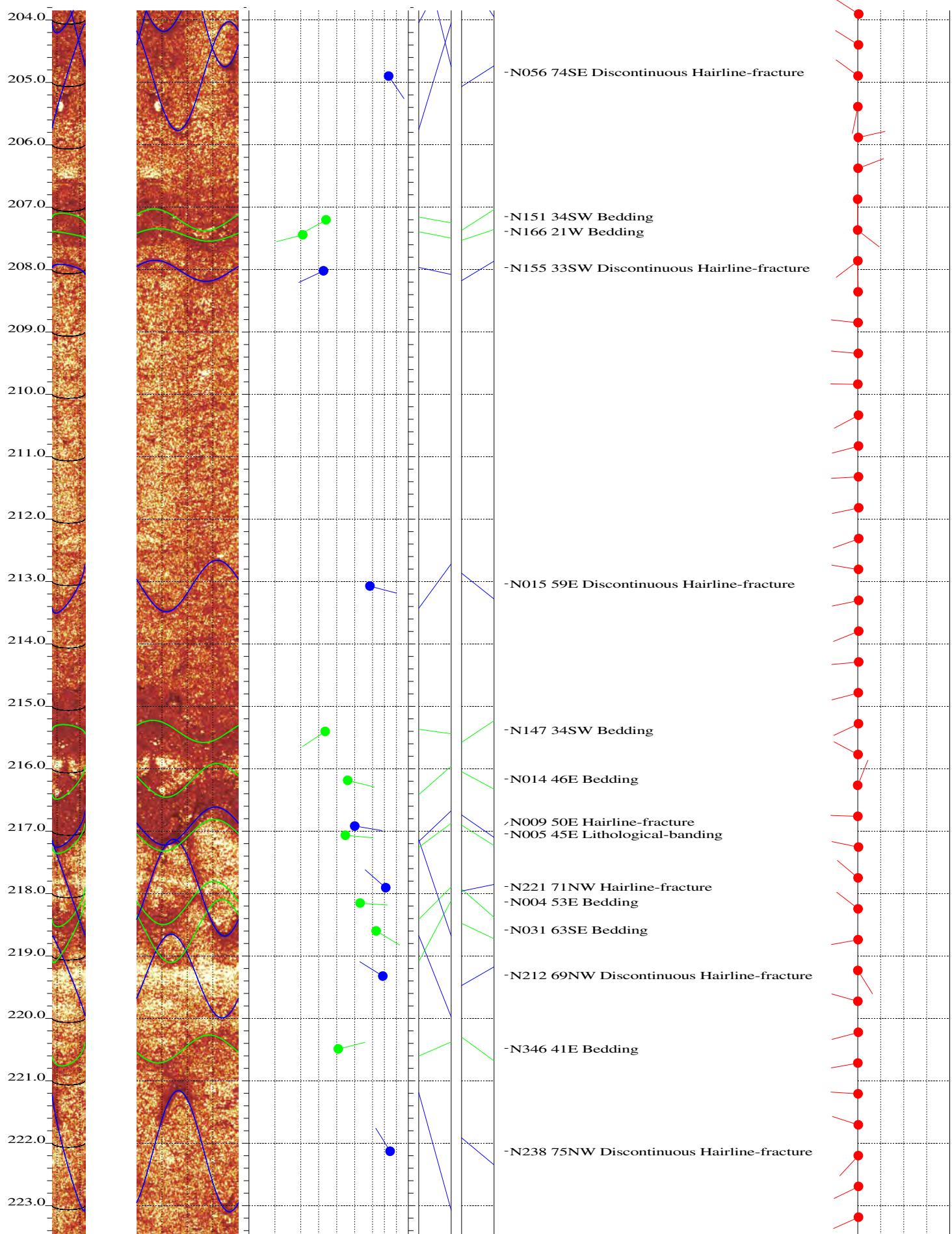


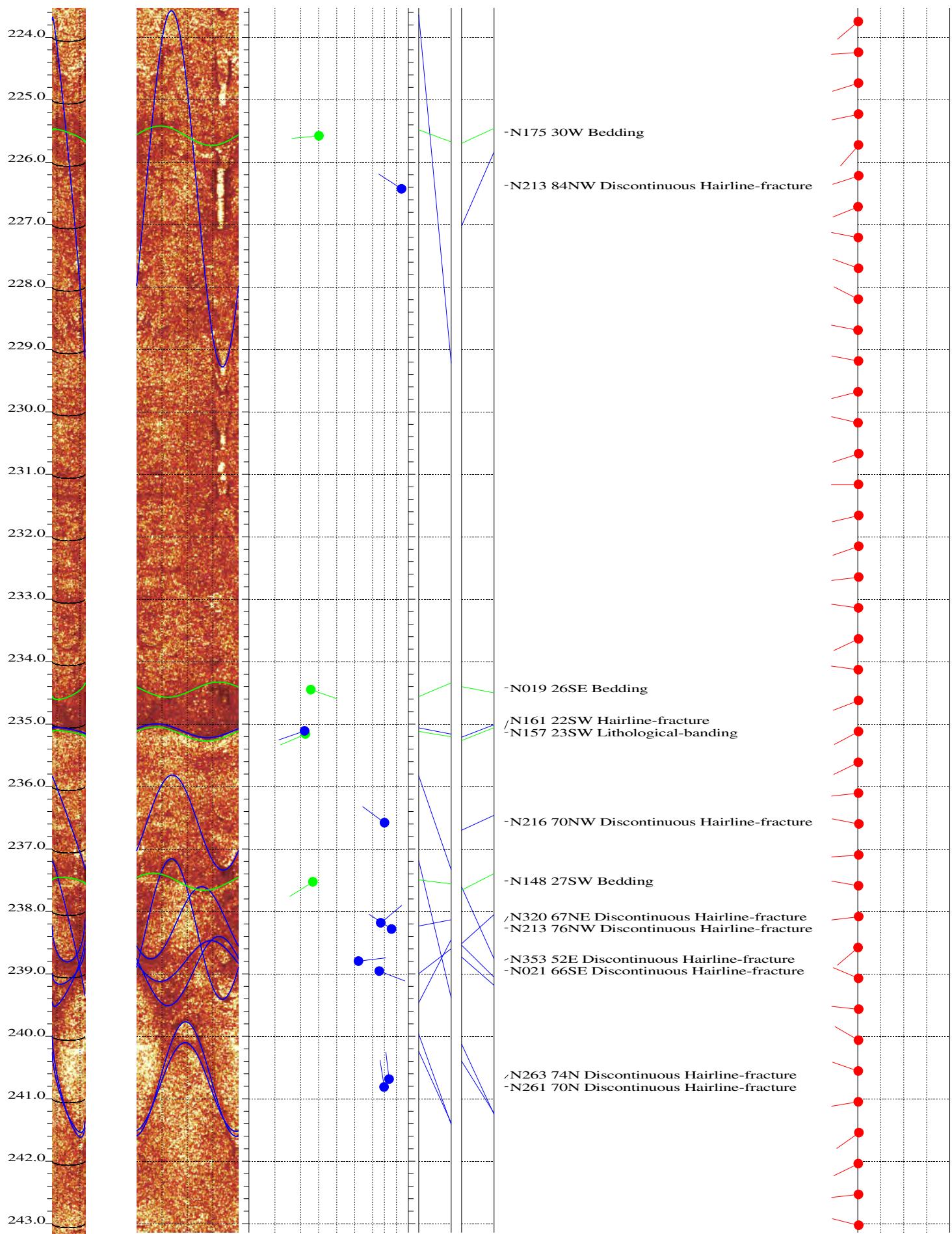


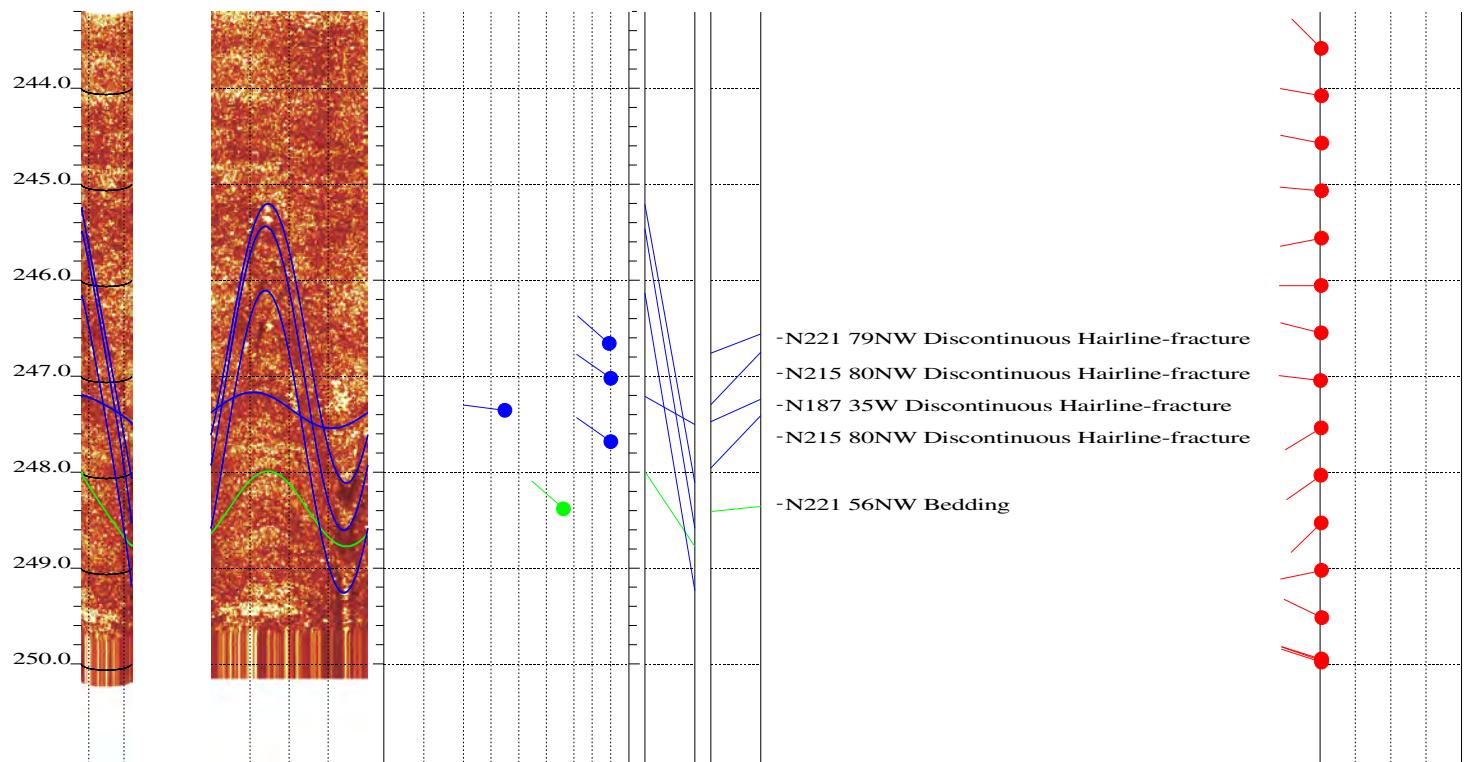














DIP DATA INTERPRETATION
RGLDIP vsn 6.1
STRIKE-DIRECTION, FRACTURE ROSE-DIAGRAM

11 May 2012

SAIC

Borehole: MW-7D

New Hanover, PA

top of borehole.....

East: _

North: _

Alt: _

North ref. is true
Depth units are feet

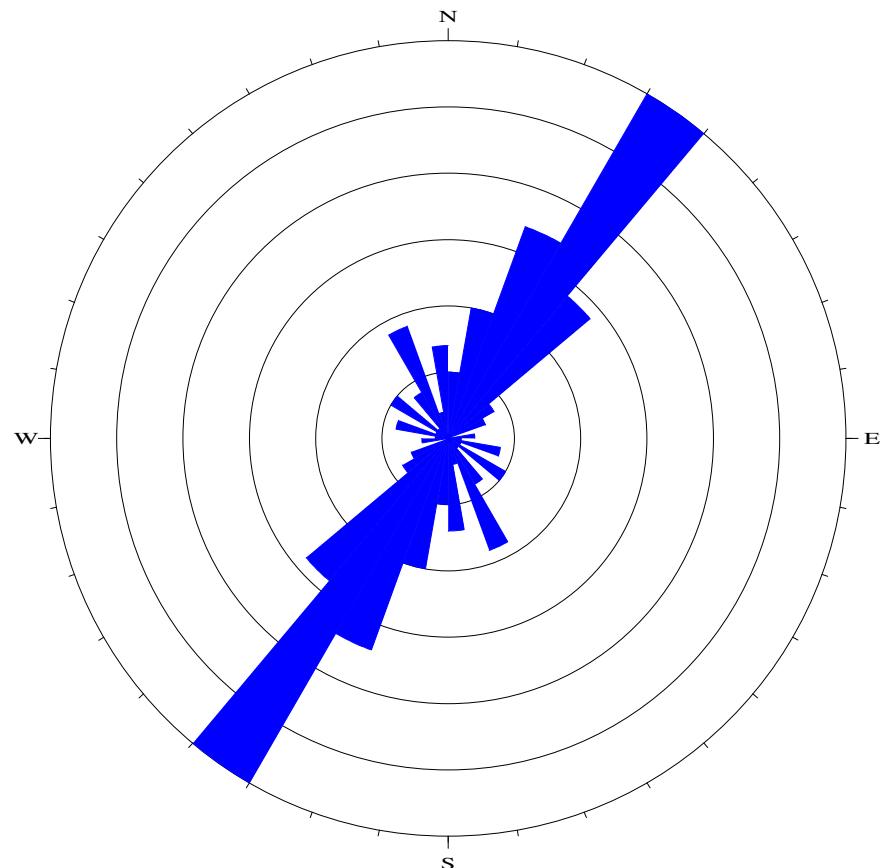
Zone from 248.138 to 38.939ft

Interpretation 1

Dip data sets

BHTV dips

MW-7D
38.939 - 248.138ft
Strike-direction, fracture rose-diagram



Azimuth Incr = 10°
N = 119

0 5 10 15 20 25 30



DIP DATA INTERPRETATION
RGLDIP vsn 6.1
DIP-AZIMUTH, FRACTURE ROSE-DIAGRAM

11 May 2012

SAIC

Borehole: MW-7D

New Hanover, PA

top of borehole.....

East: _

North: _

Alt: _

North ref. is true
Depth units are feet

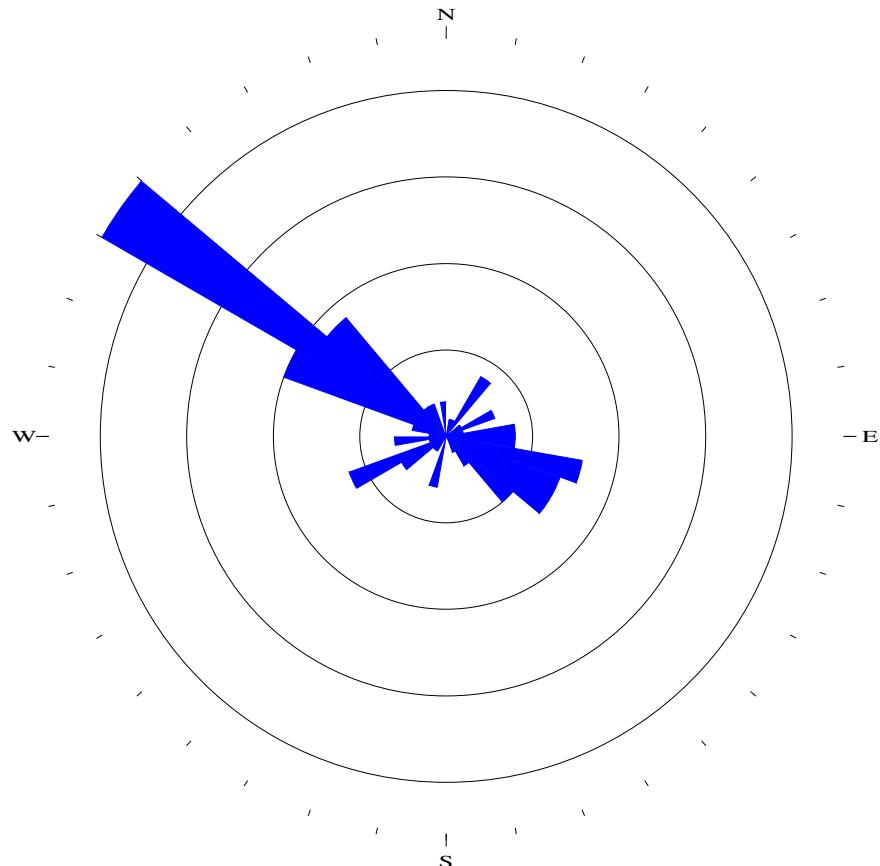
Zone from 248.138 to 38.939ft

Interpretation 1

Dip data sets

BHTV dips

MW-7D
38.939 - 248.138ft
Dip-azimuth, fracture rose-diagram



Azimuth Incr = 10°
N = 119

0 5 10 15 20