



NNE_Boggess_13H–Job Summary

27th June 2019

Prepared by:
Dmitry Avdeev

DRILLING
OPERATIONS

DRILLING
SOLUTIONS

DRILLING
EQUIPMENT

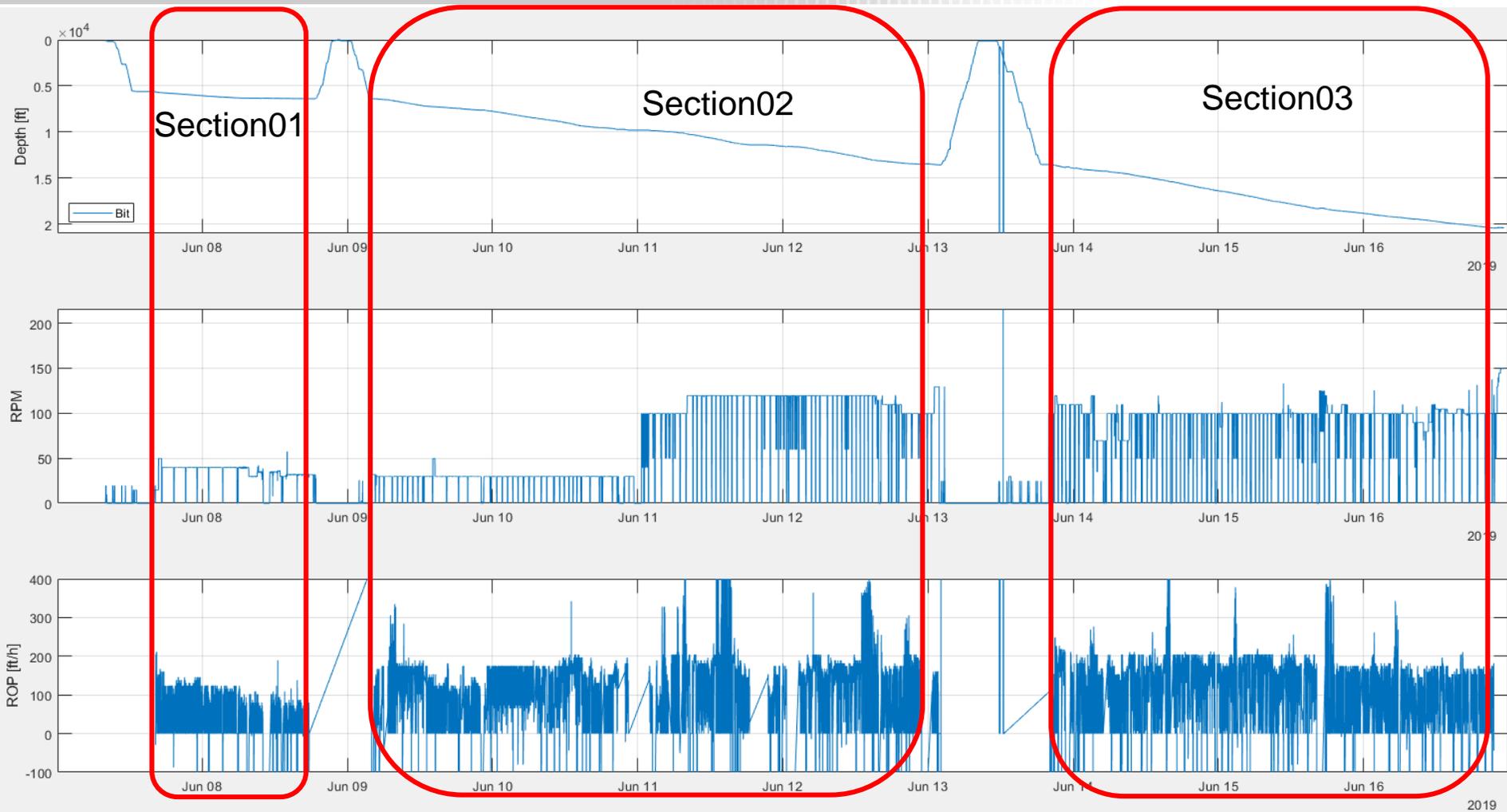
 **PetroMar**
A NABORS COMPANY

NNE_Boggess_13H– Job Summary. Outline. Sections & Passes



- **Section 01 (vertical)**
 - Pass01 (drill)
- **Section 02 (vertical, curve, lateral)**
 - Pass01 (vertical+curve, drill)
 - Pass02 (lateral, drill)
- **Section 03 (lateral)**
 - Pass01 (lateral, drill)
 - Pass02 (lateral, drill)

NNE_Boggess_13H– Job Summary. Sections.

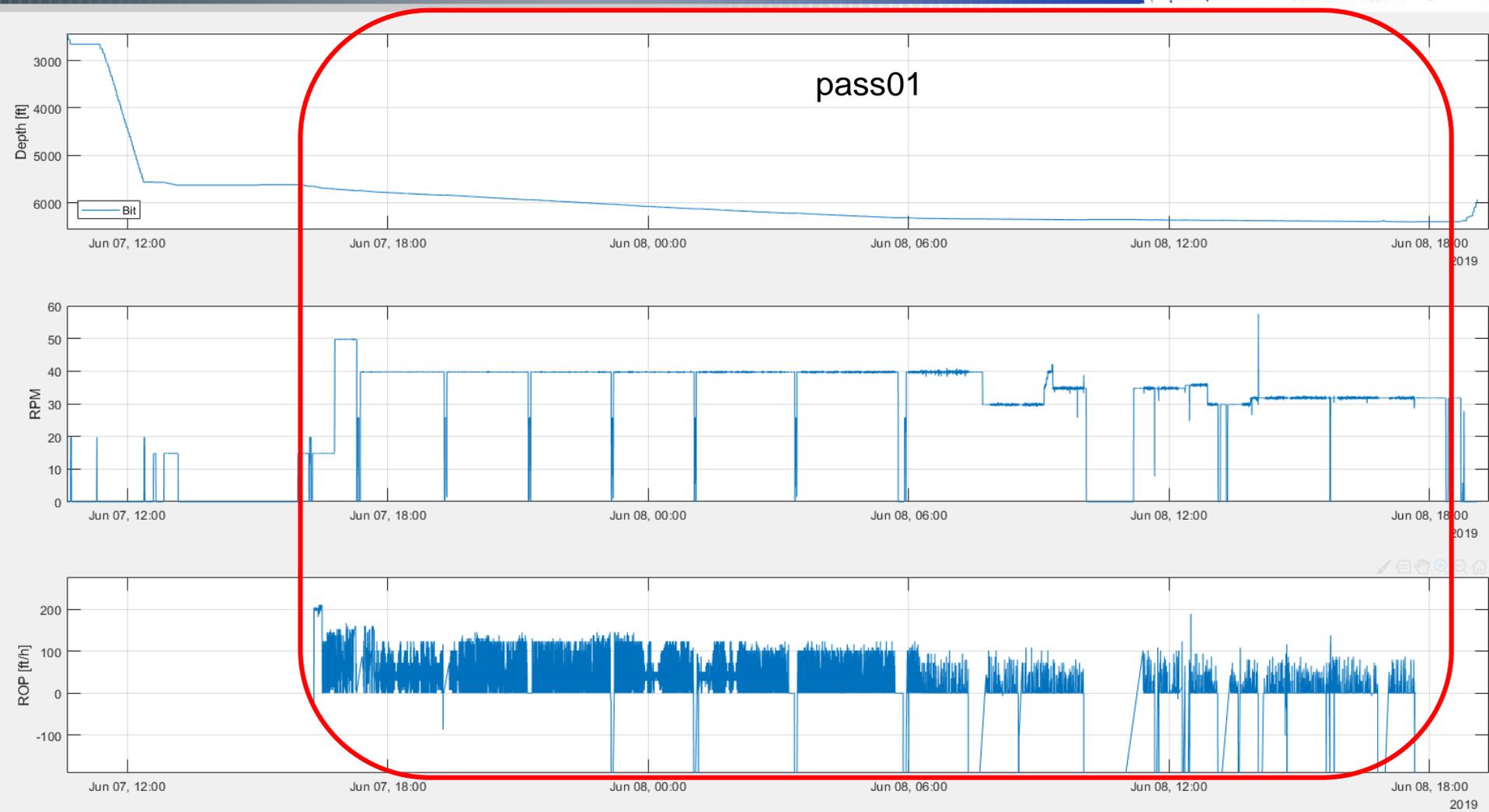


NNE_Boggess_13H– Job Summary. Section01.

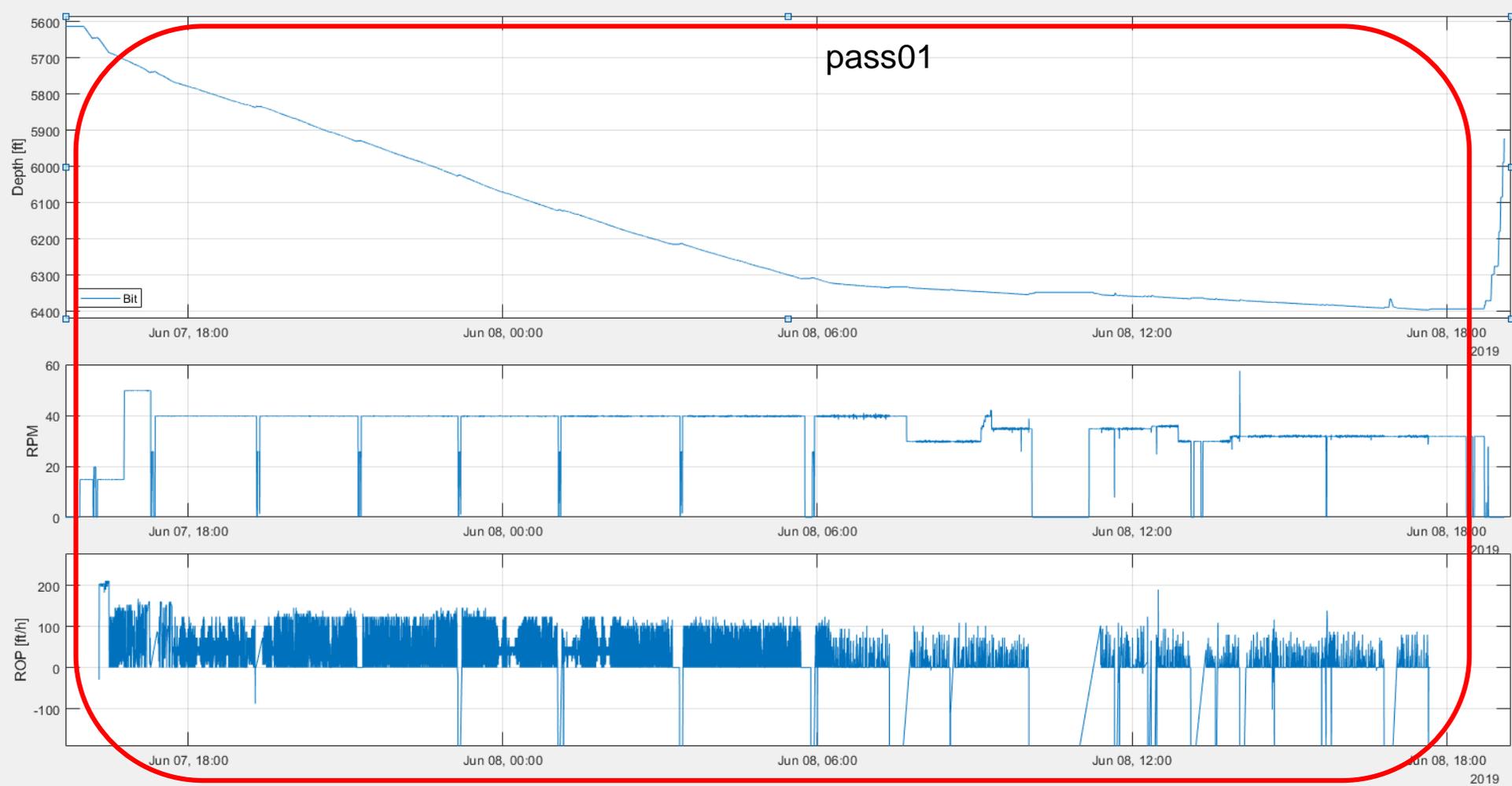


- **Section 01 (vertical)**
 - **Pass01 (drill)**

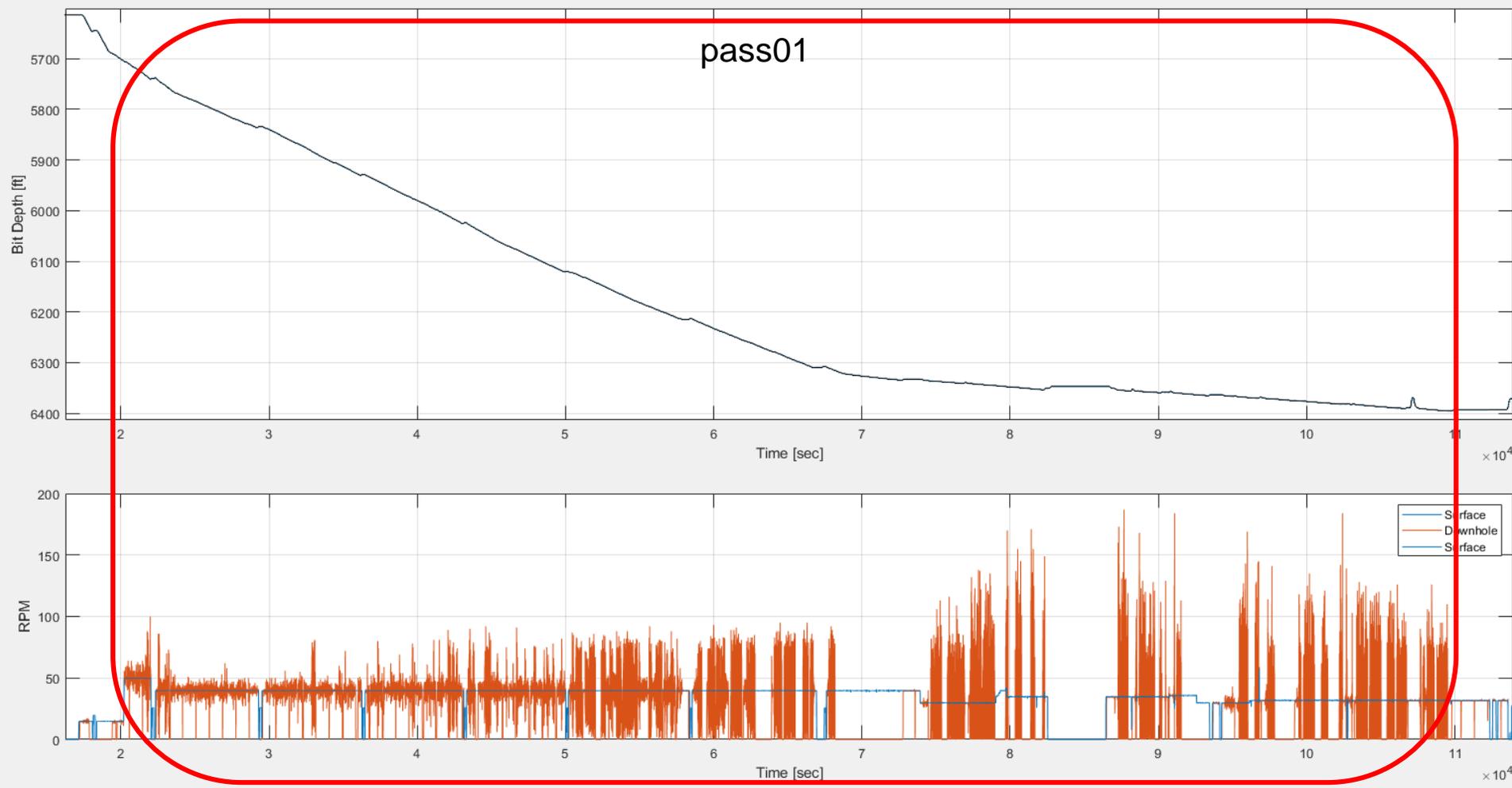
NNE_Boggess_13H– Job Summary. Section01. Pass01.



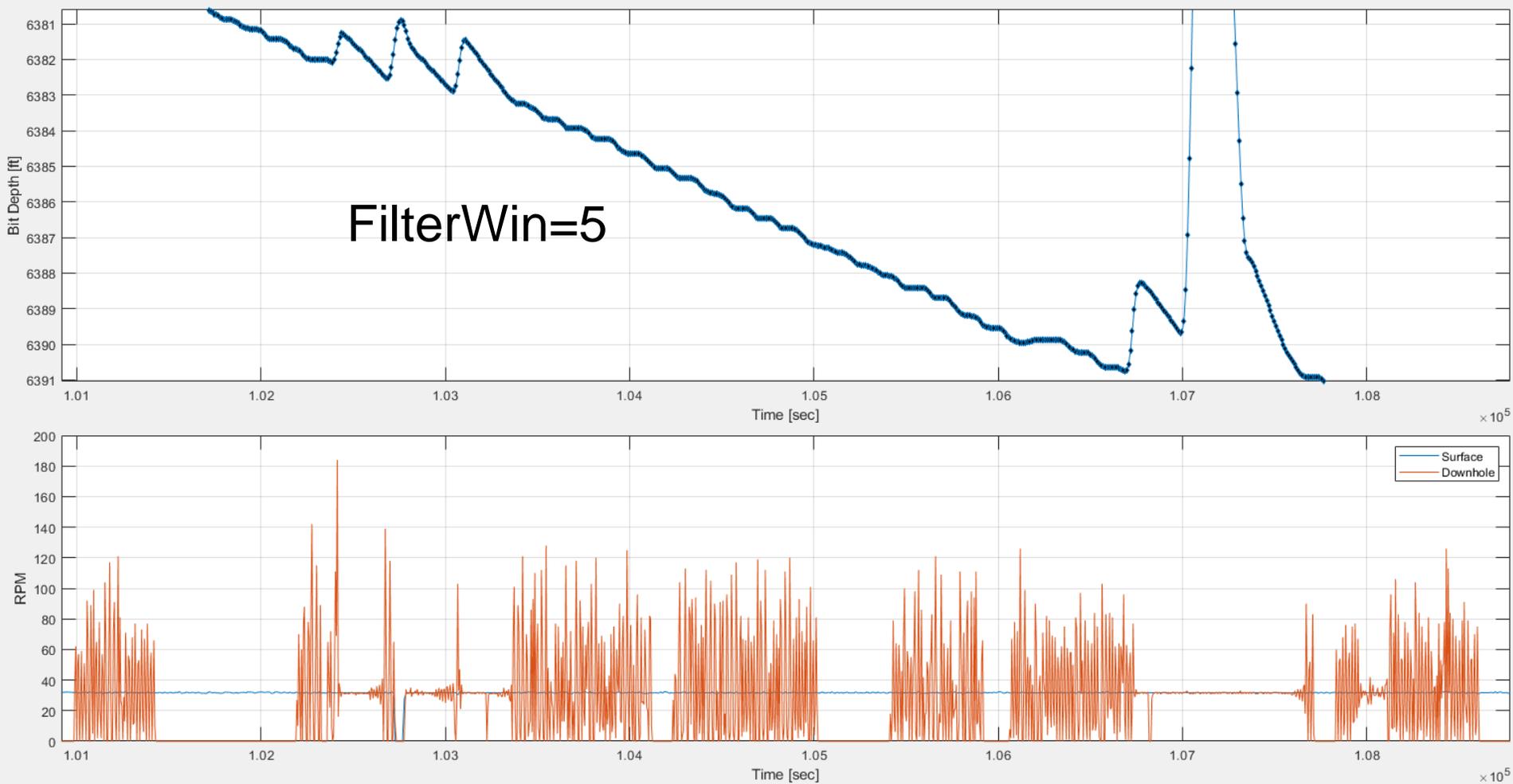
NNE_Boggess_13H– Job Summary. Section01. Pass01.



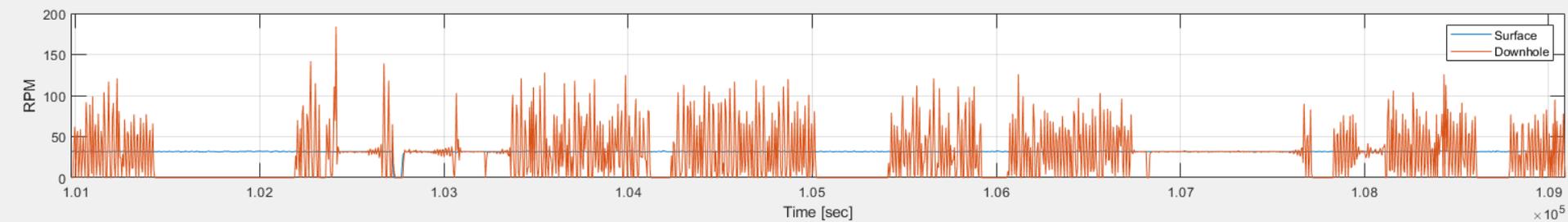
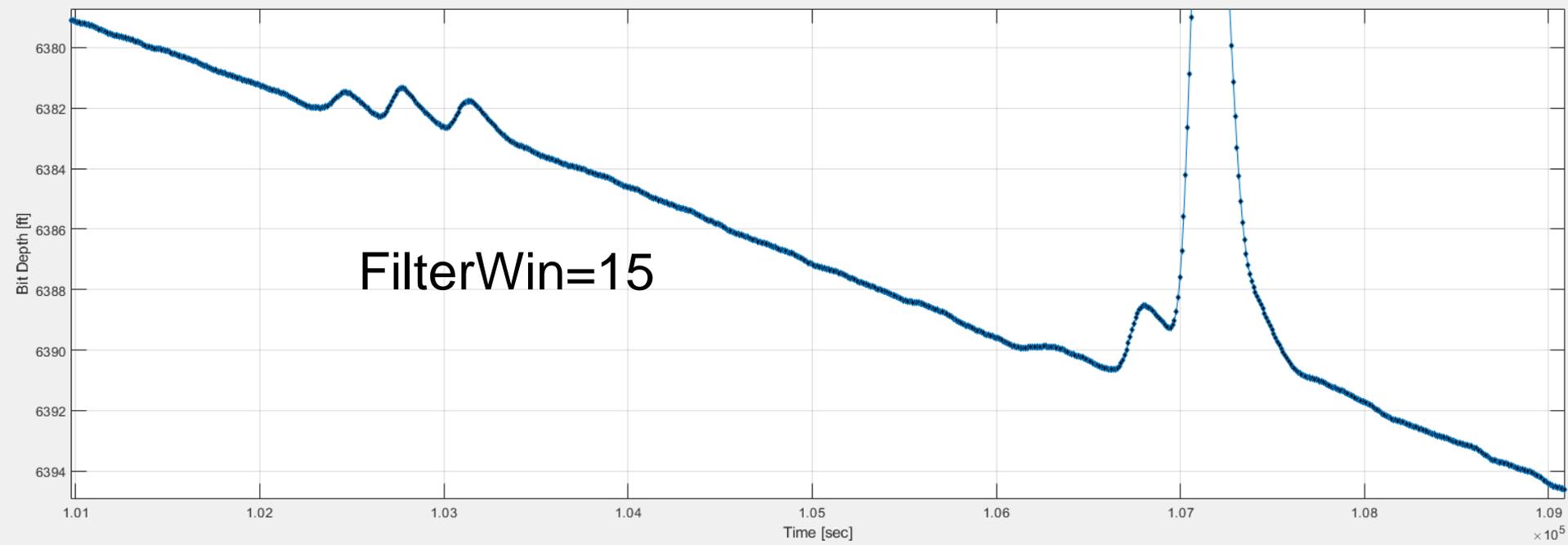
NNE_Bogges_13H– Job Summary. Section01. Pass01.



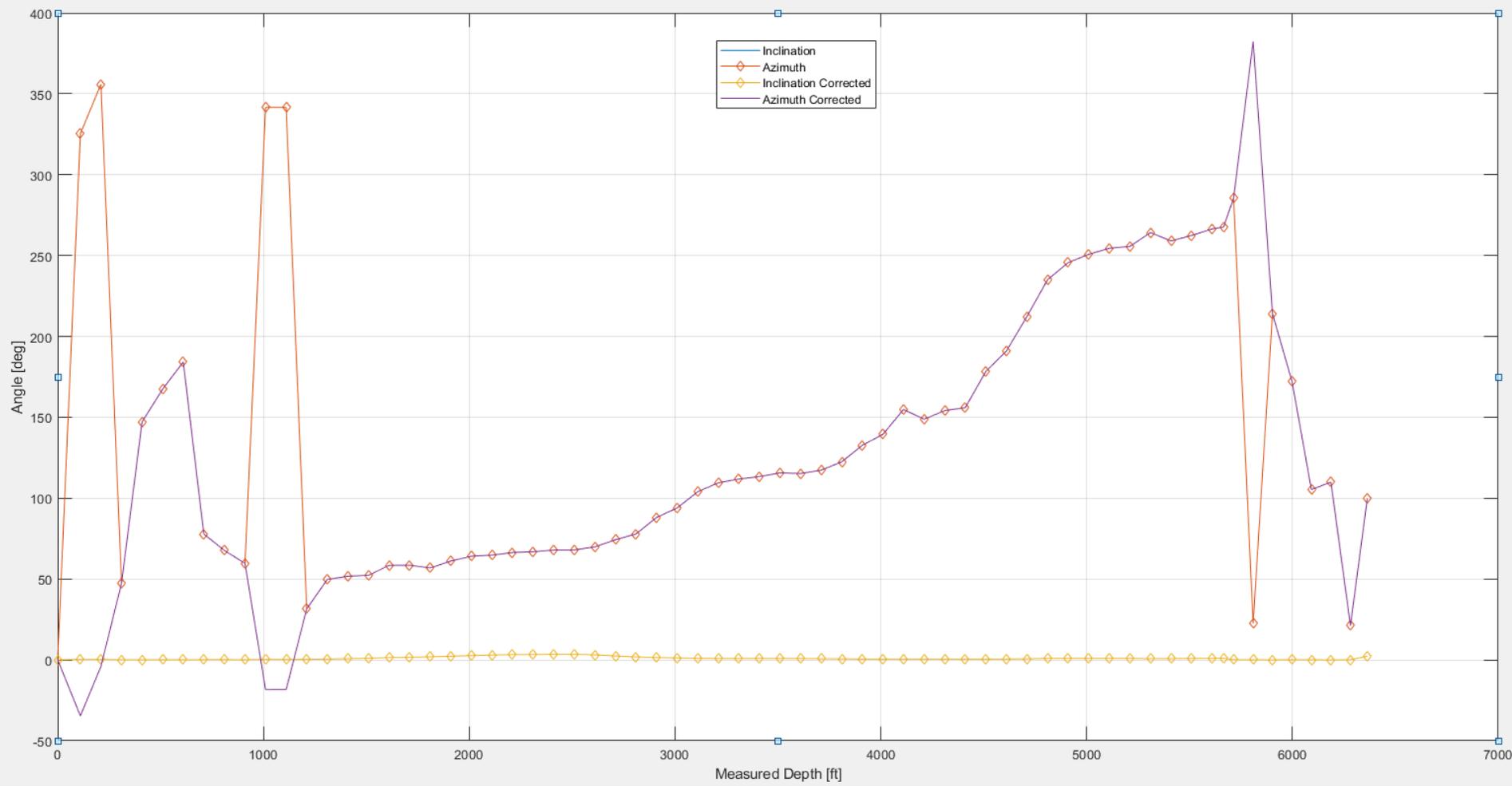
NNE_Bogges_13H– Job Summary. Section01. Pass01. Stair Casing.



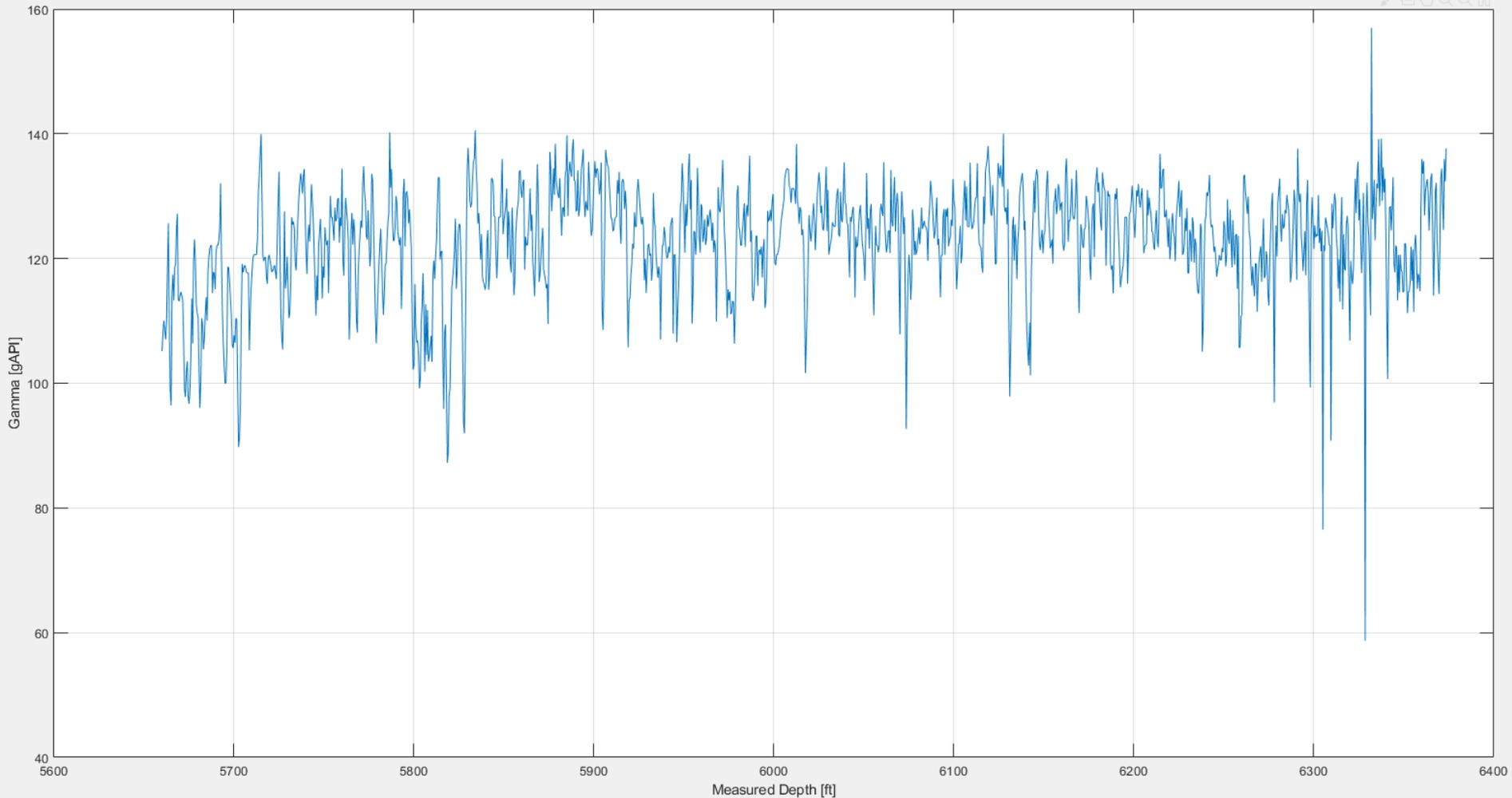
NNE_Bogges_13H– Job Summary. Section01. Pass01. Stair Casing.



NNE_Boggess_13H– Job Summary. Section01. Inclination & Azimuth.



NNE_Boggess_13H– Job Summary. Section01. Gamma API (GRC_D).



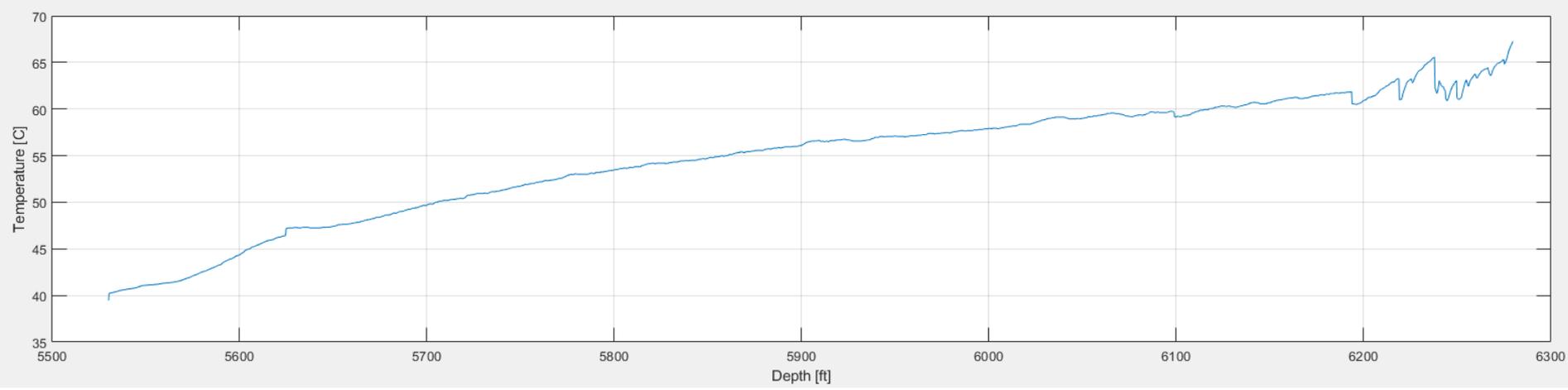
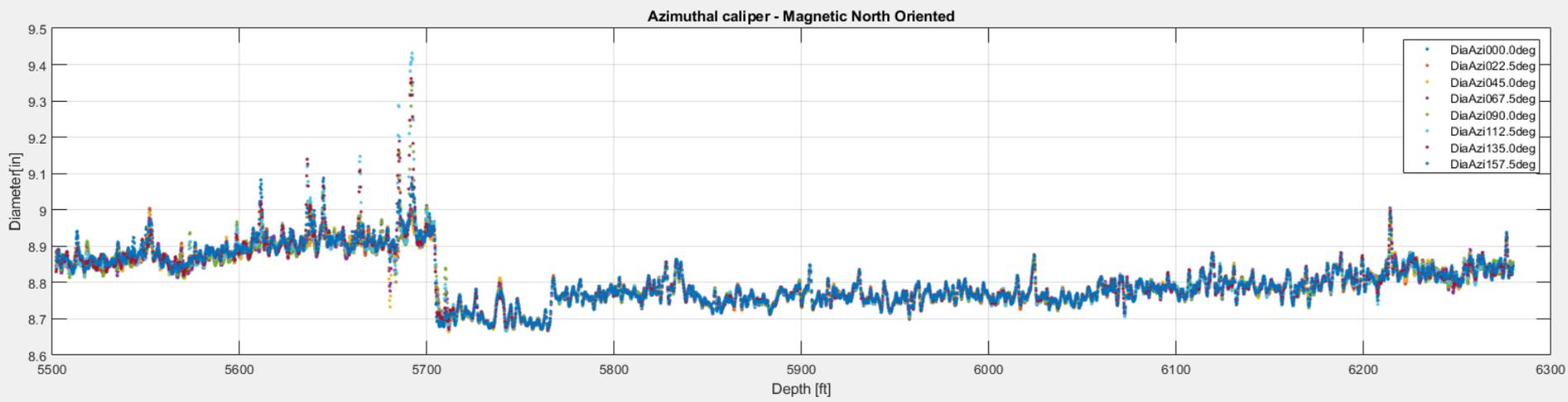
NNE_Boggess_13H– Job Summary.

Section 01. Pass01 (vertical, drill)

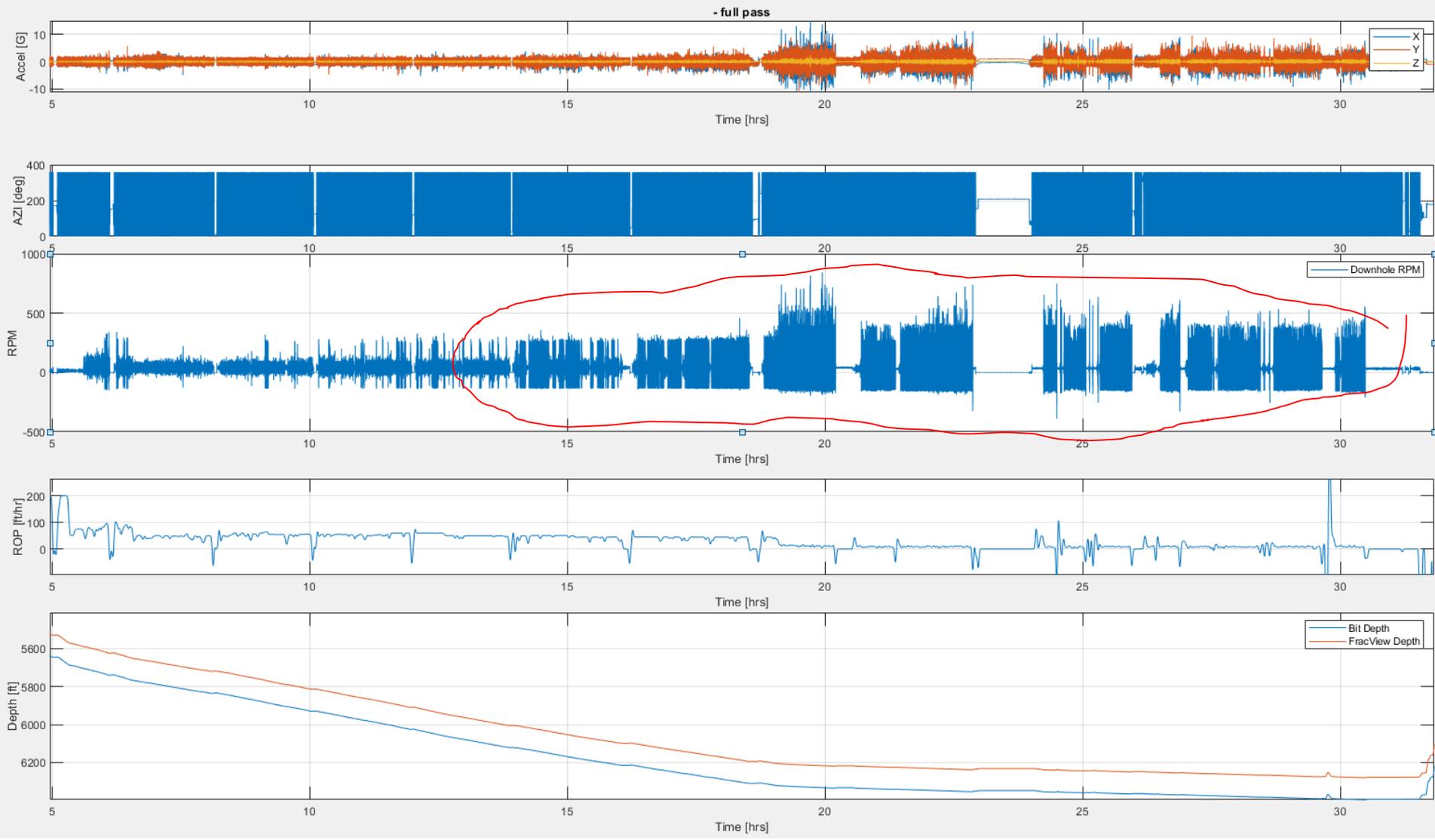


- **FV Sensor at 5,502 to 6,280 ft**
- **FV Sensor to Bit Distance ~ 115.8 ft**
- **Severe Stick-Slip**

NNE_Bogges_13H– Job Summary. Section01. Pass01. Azimuthal Calipers.

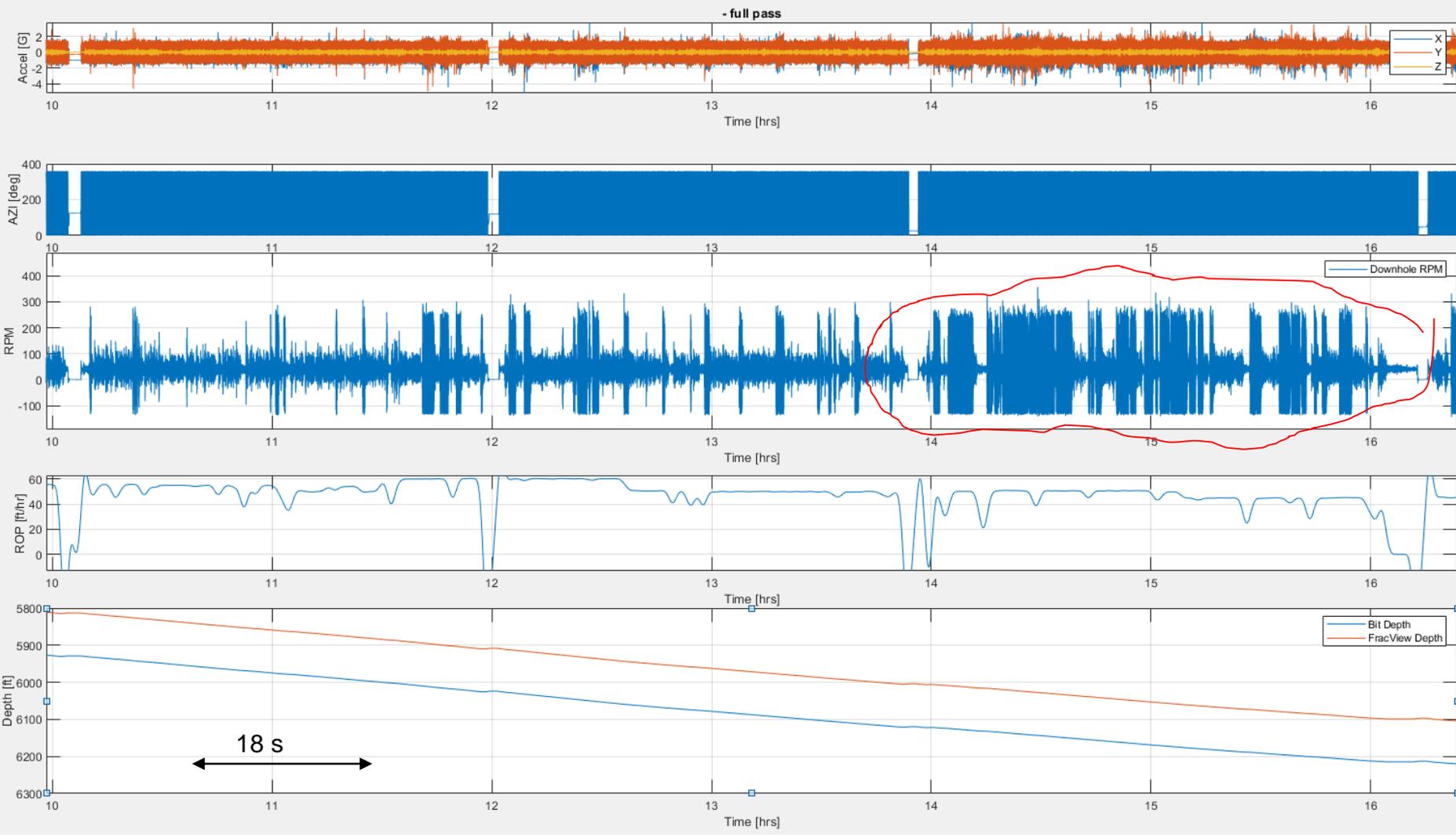


NE_Bogges_13H- Job Summary. Section01. Pass01. Motion Dynamics.



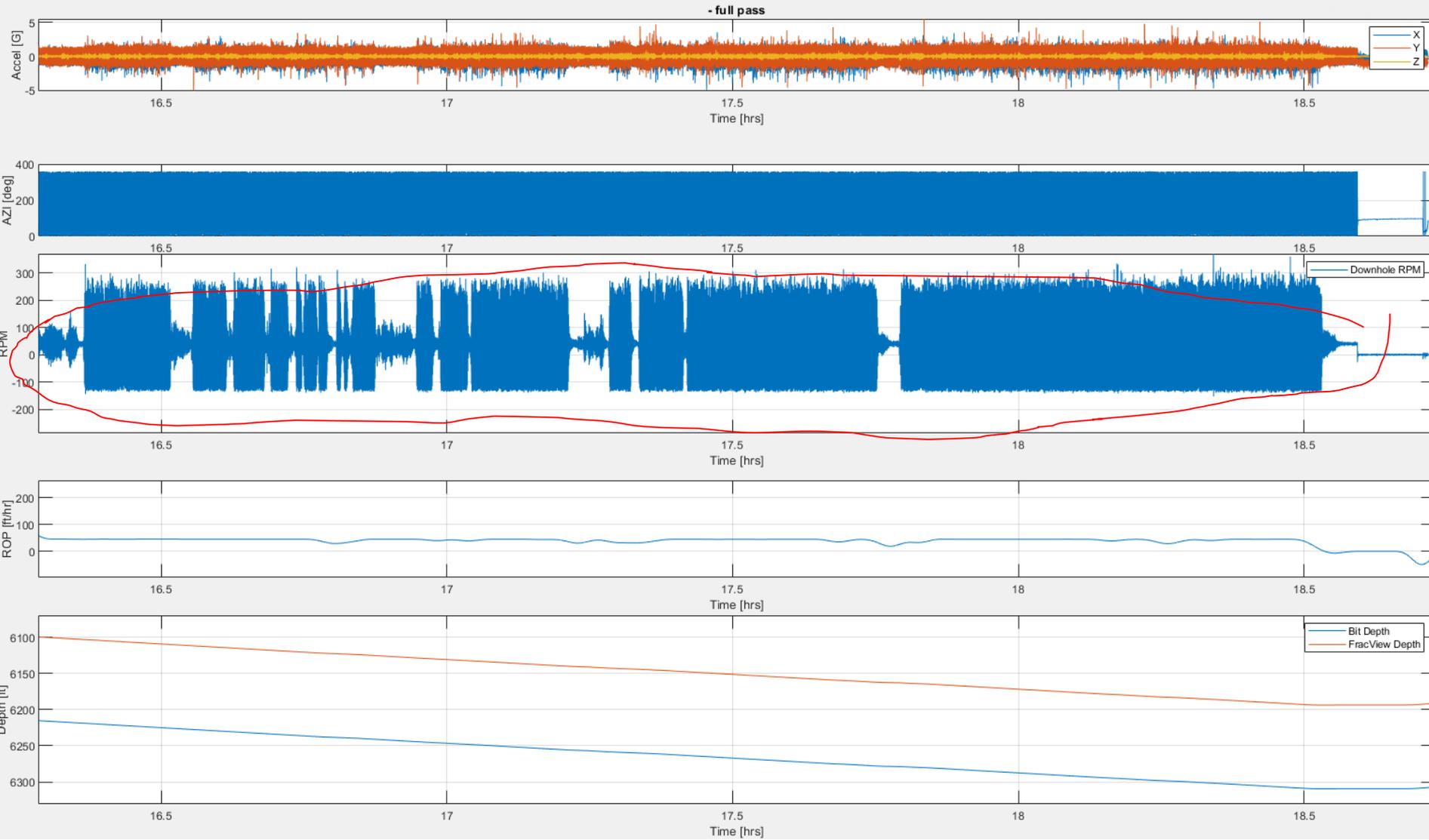
NNE_Bogges_13H- Job Summary.

Section01. Pass01. Motion Dynamics (Stick Slip zoom)



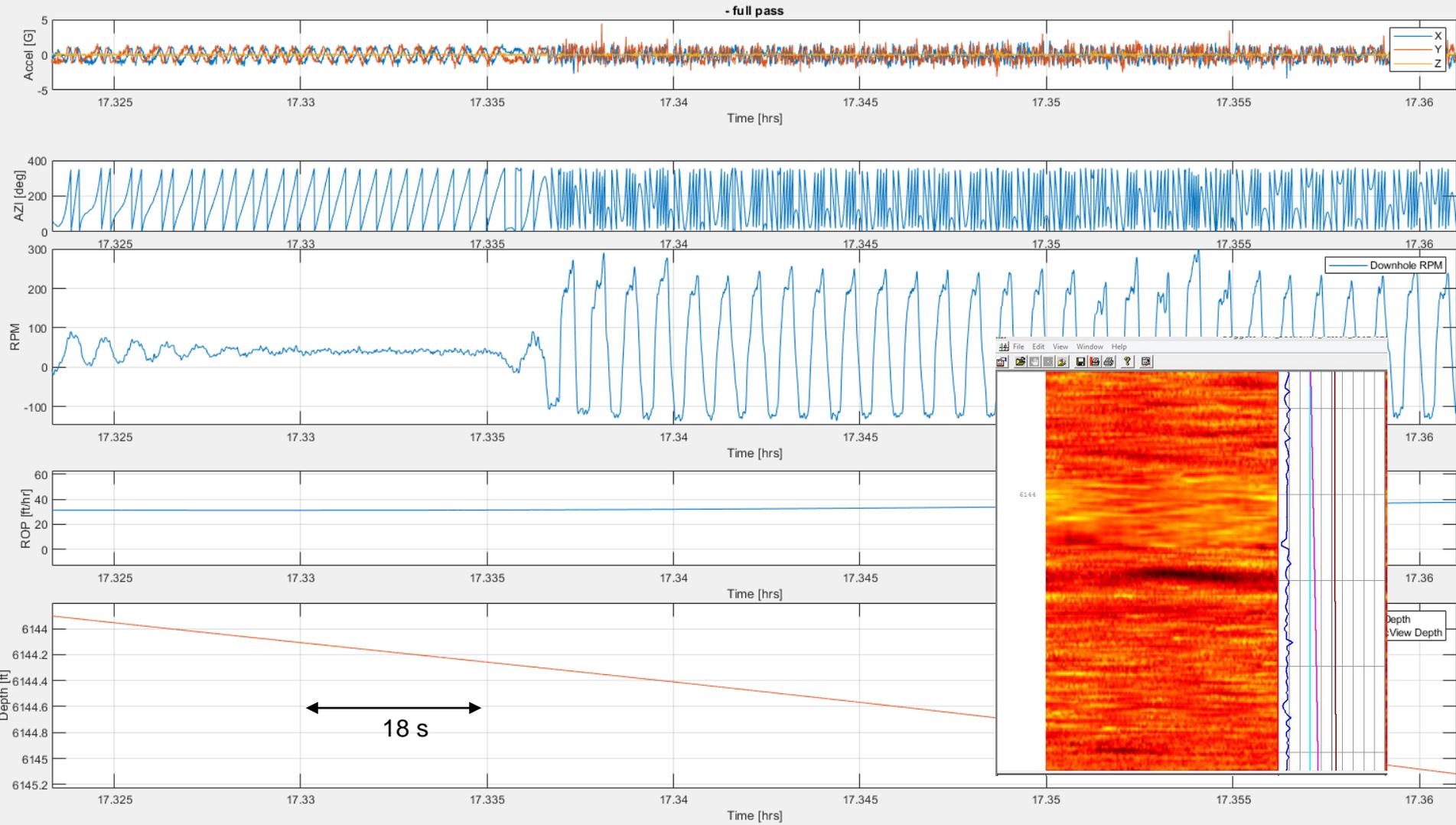
NNE_Bogges_13H- Job Summary.

Section01. Pass01. Motion Dynamics (Stick Slip zoom)

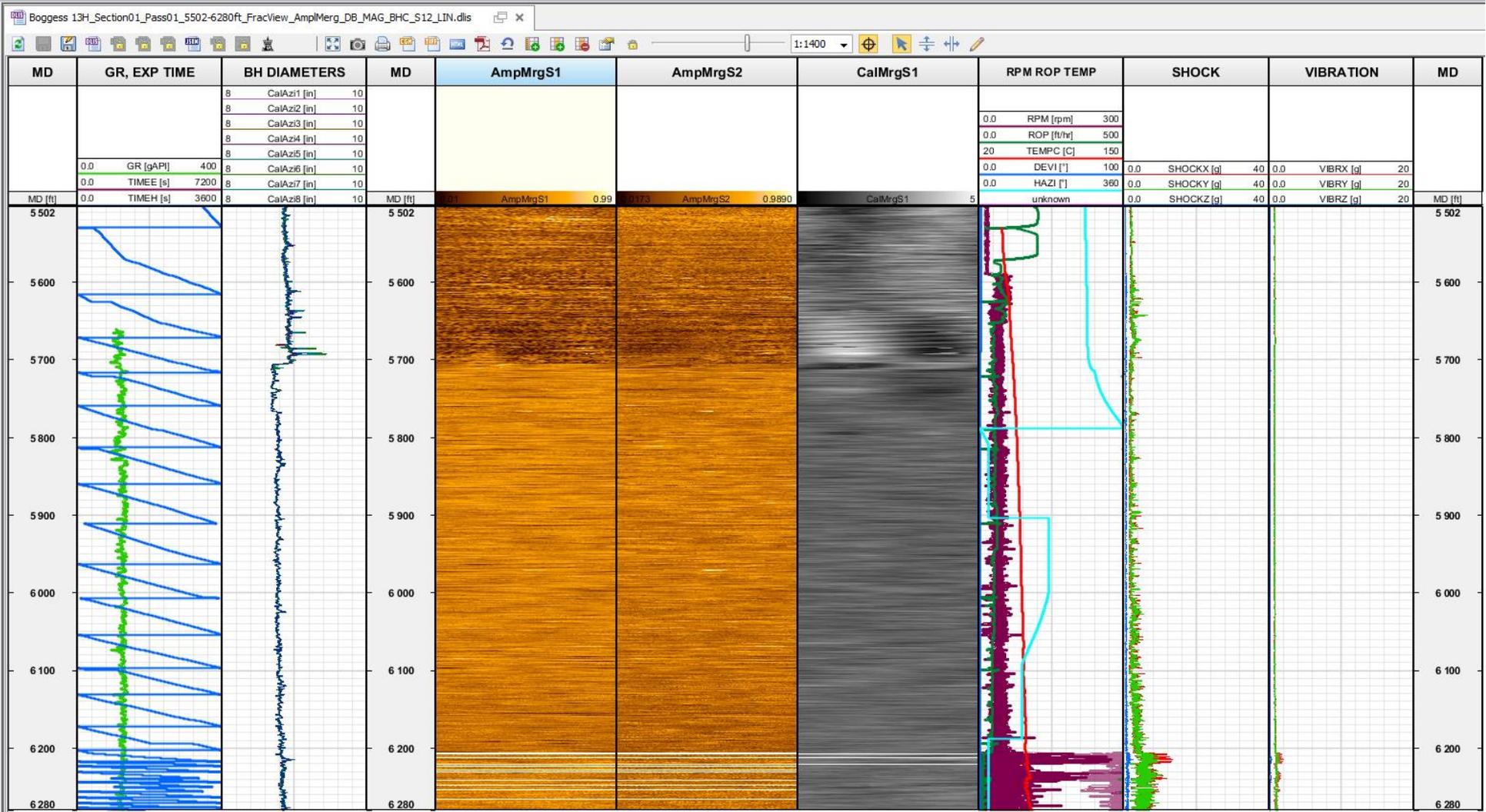


NNE_Bogges_13H- Job Summary.

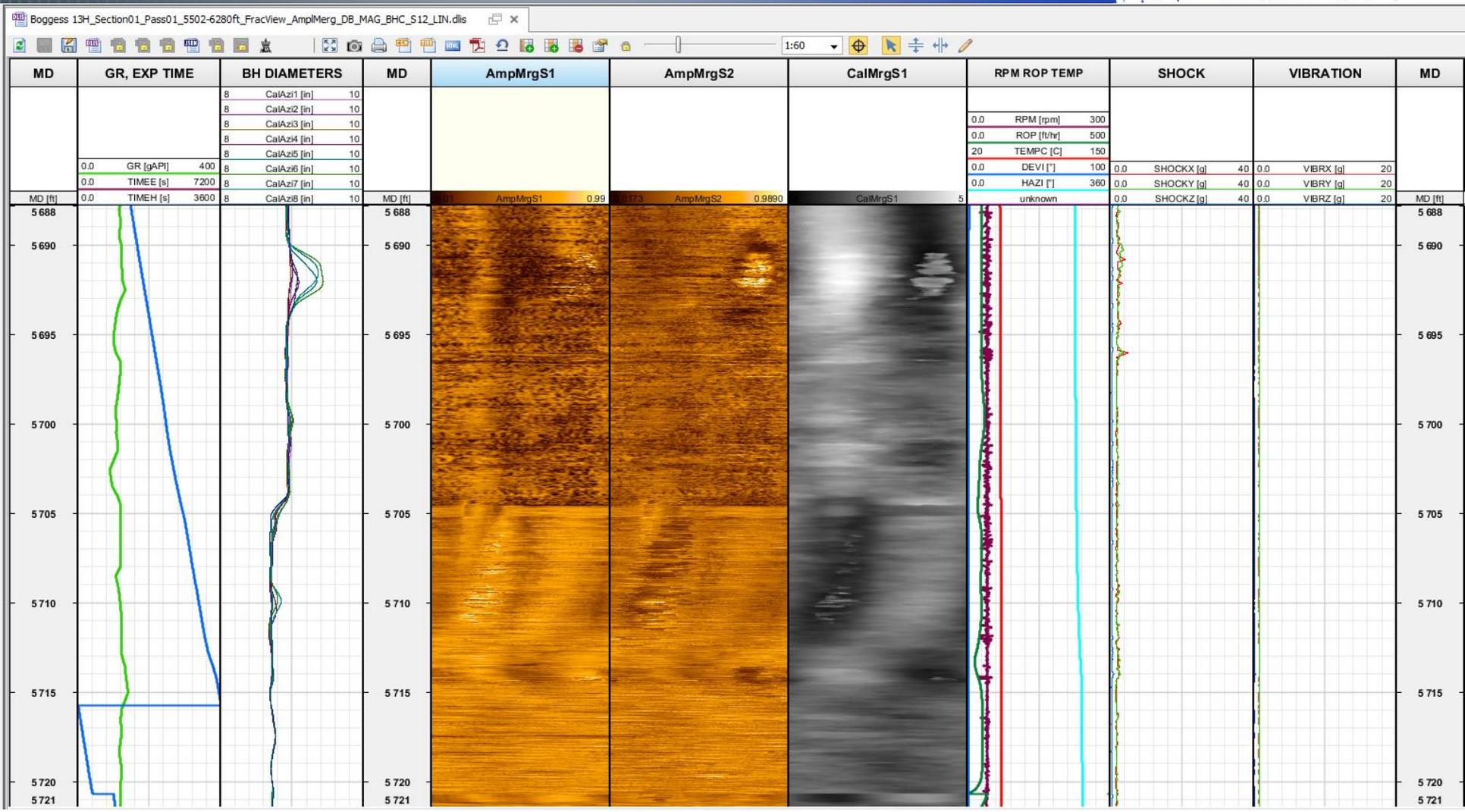
Section01. Pass01. Motion Dynamics (Stick Slip zoom)



NEE_Boggess_13H– Job Summary. Section01. Pass01. BHC MAG S1 vs S2



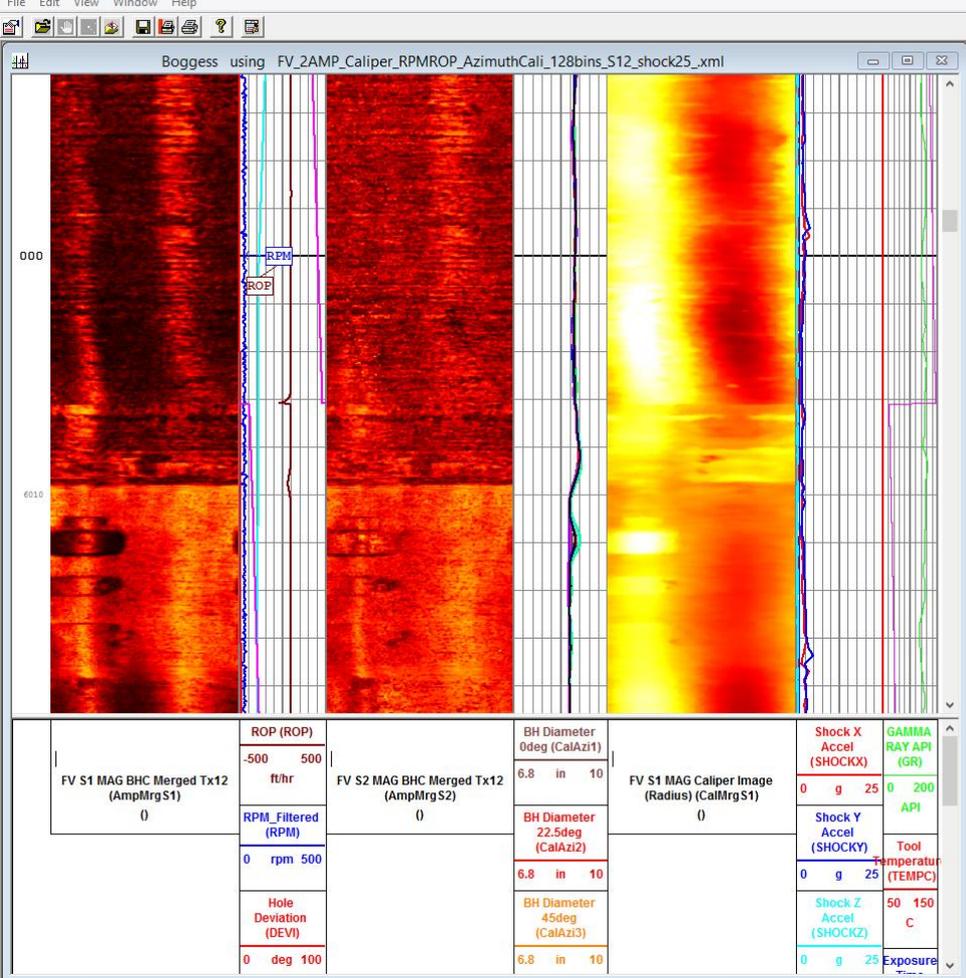
NEE_Bogges_13H- Job Summary. Section01. Pass01. BHC MAG S1 vs S2



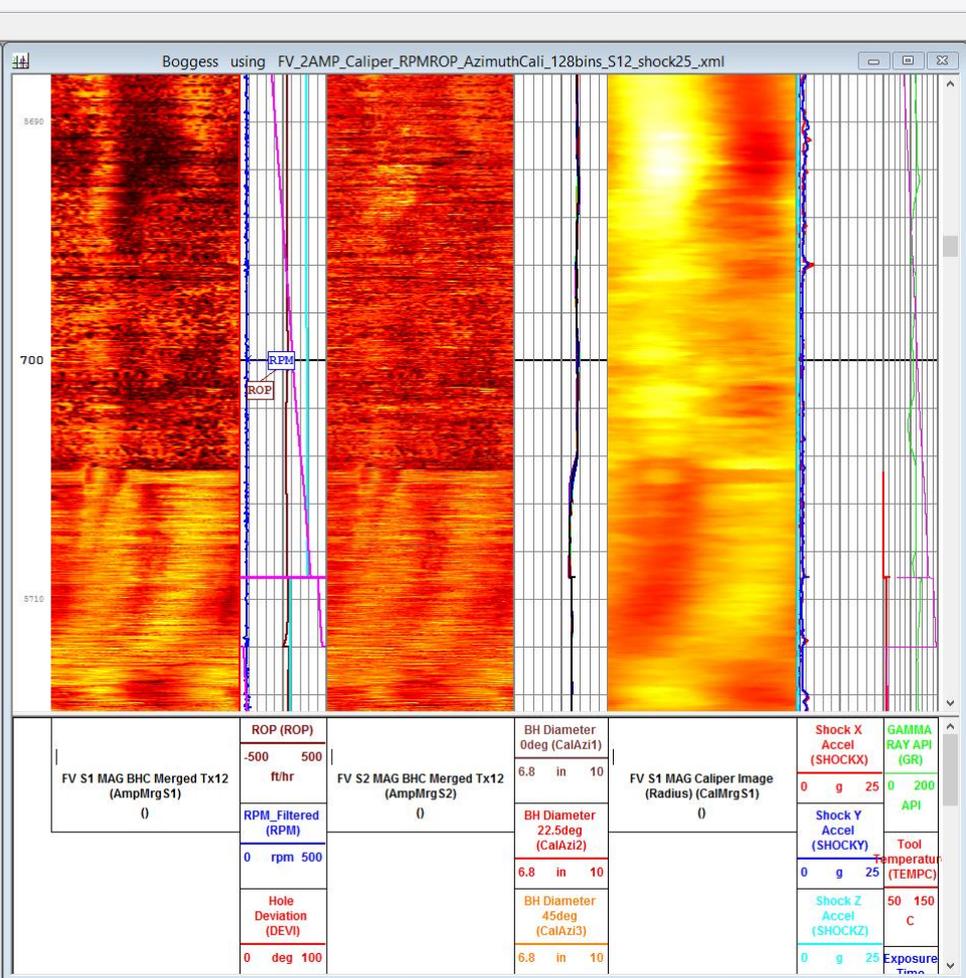
NE_Bogges_13H– Job Summary. Section01. Pass01. 13H vs 9H



Bogges 9H_Section01_Pass01_5850-6579ft_FracView_AmplMerg_DB_MAG_BHC_S12_LIN.dlis - Schlumberger DataView



9H



13H

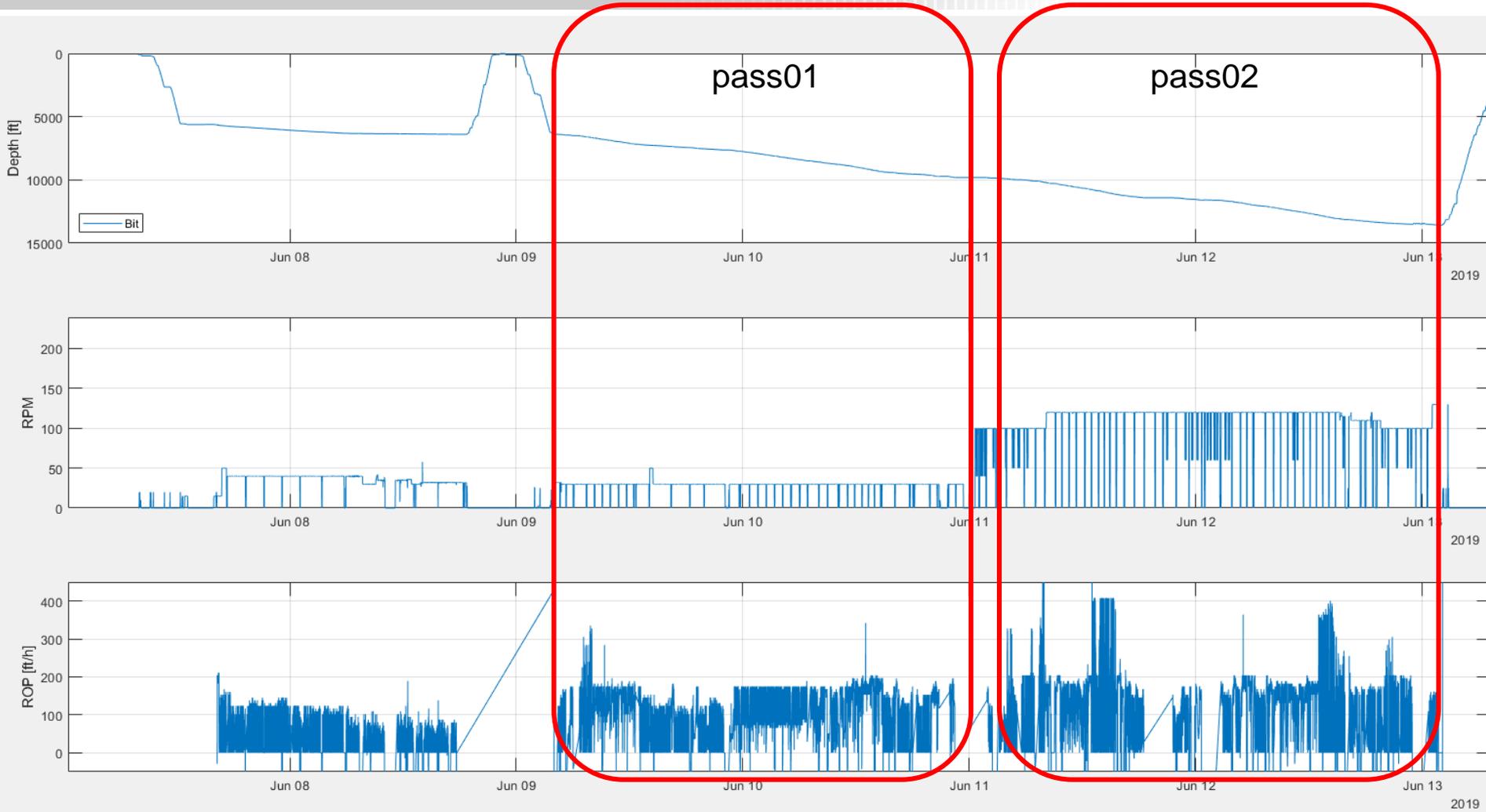
NNE_Boggess_13H– Job Summary.

Section02.

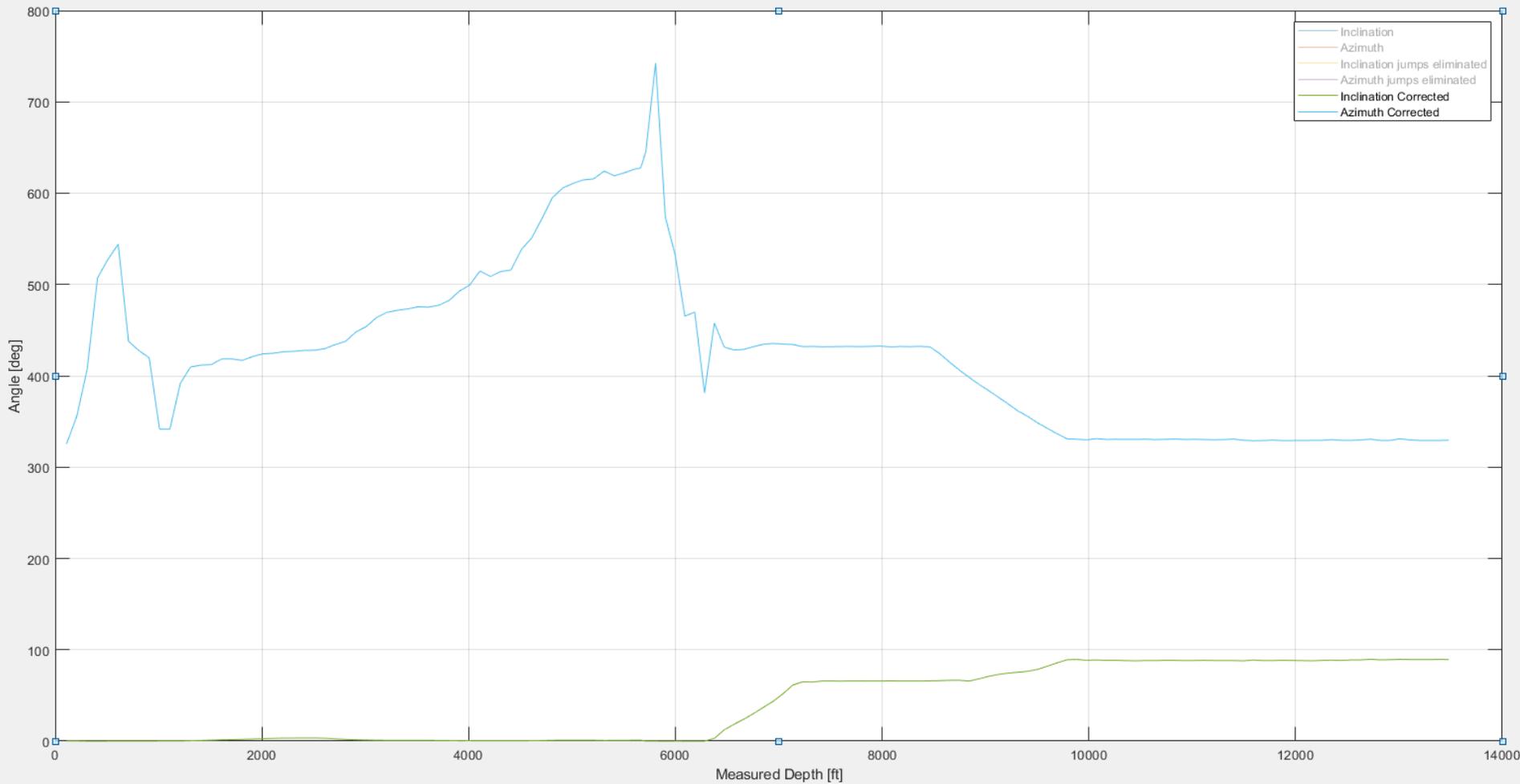


- **Section 02 (vertical, curve, lateral)**
 - **Pass01 (vertical+curve, drill)**
 - **Pass02 (lateral, drill)**

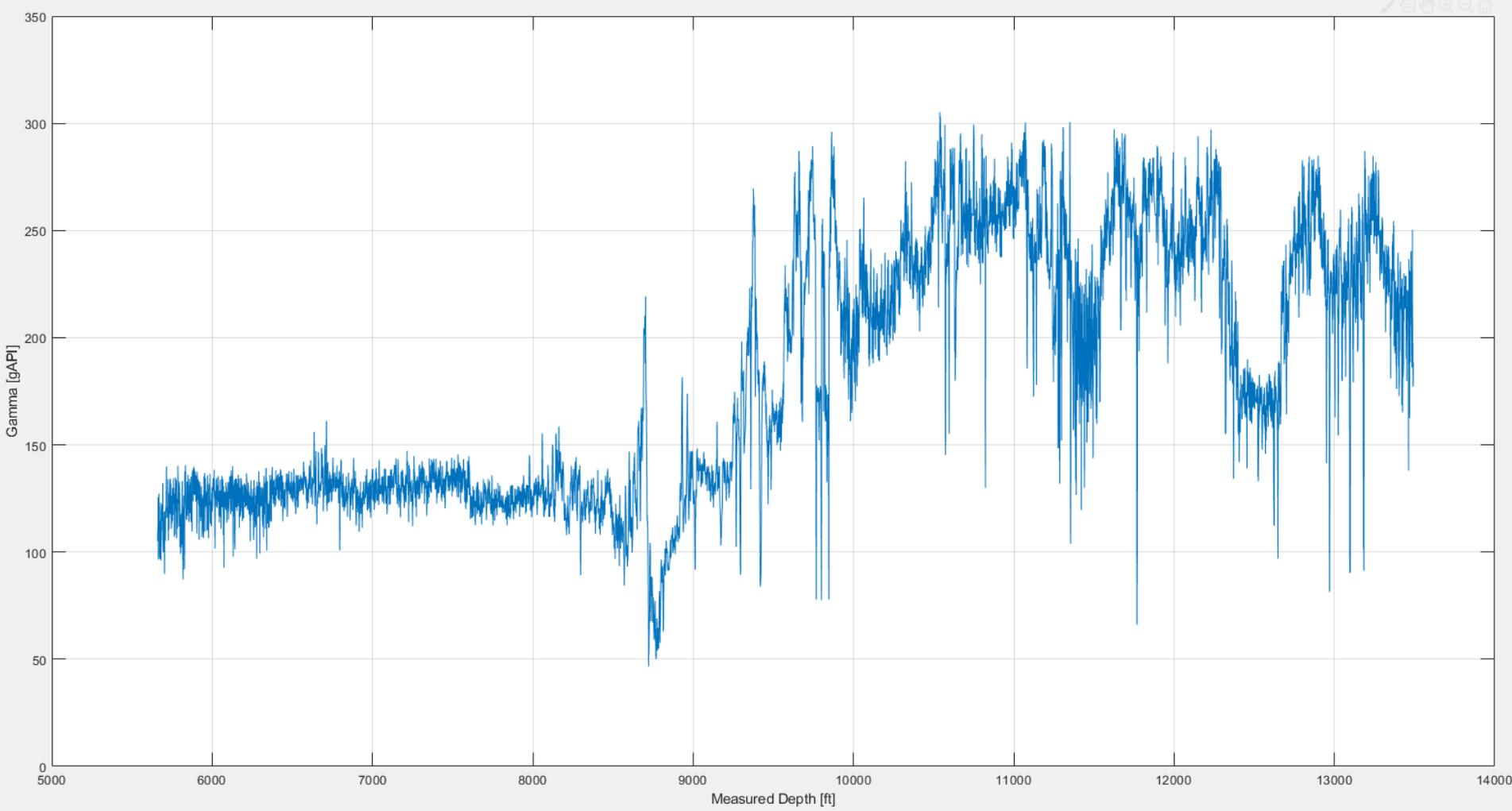
NNE_Boggess_13H– Job Summary. Section02. Pass01 & 02



NNE_Boggess_13H– Job Summary. Section02. Inclination & Azimuth.



NNE_Boggess_13H– Job Summary. Section02. Gamma API (GRC_D).



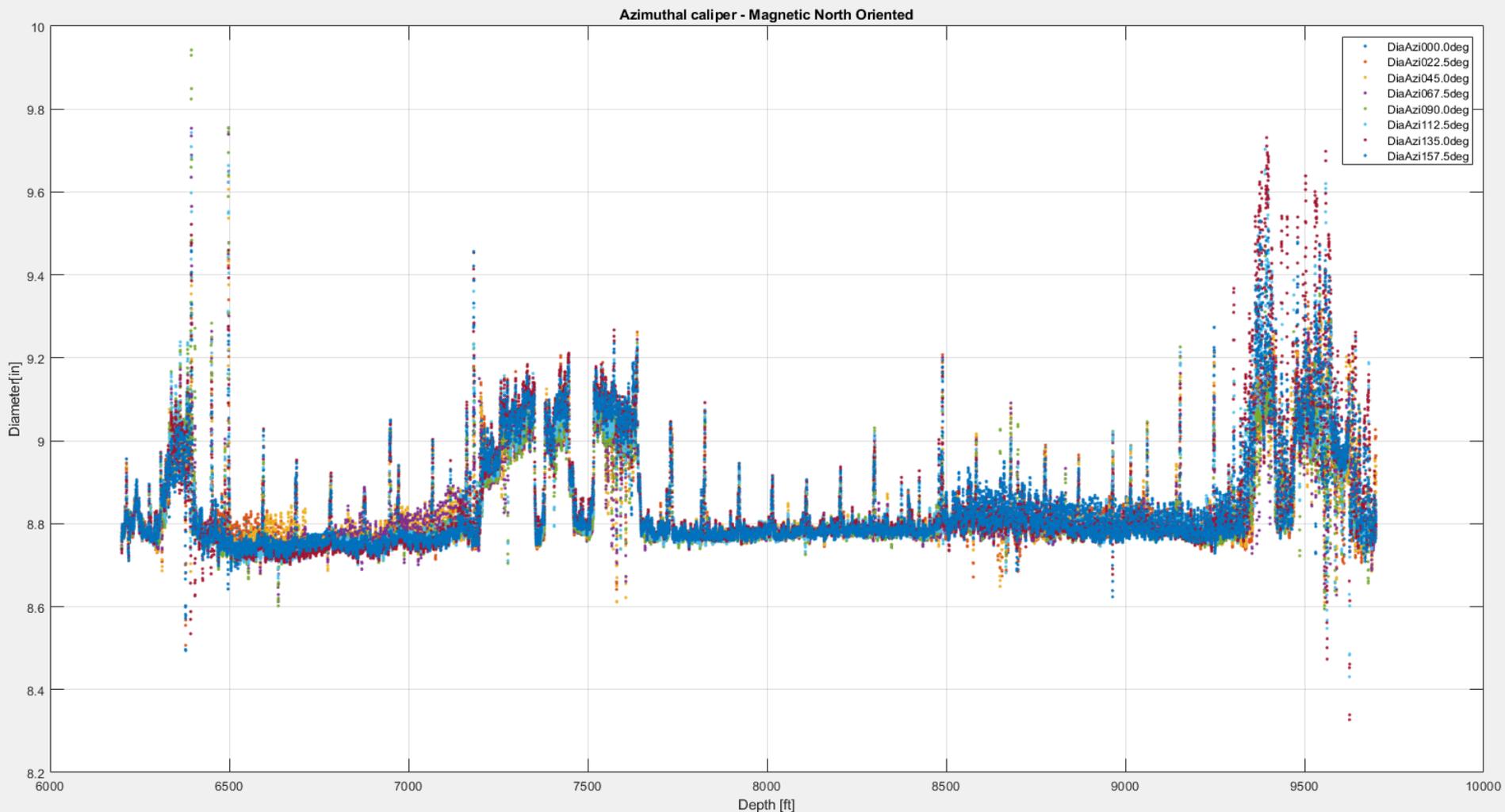
NNE_Boggess_13H– Job Summary.

Section 02. Pass01 (vertical+curve, drill)

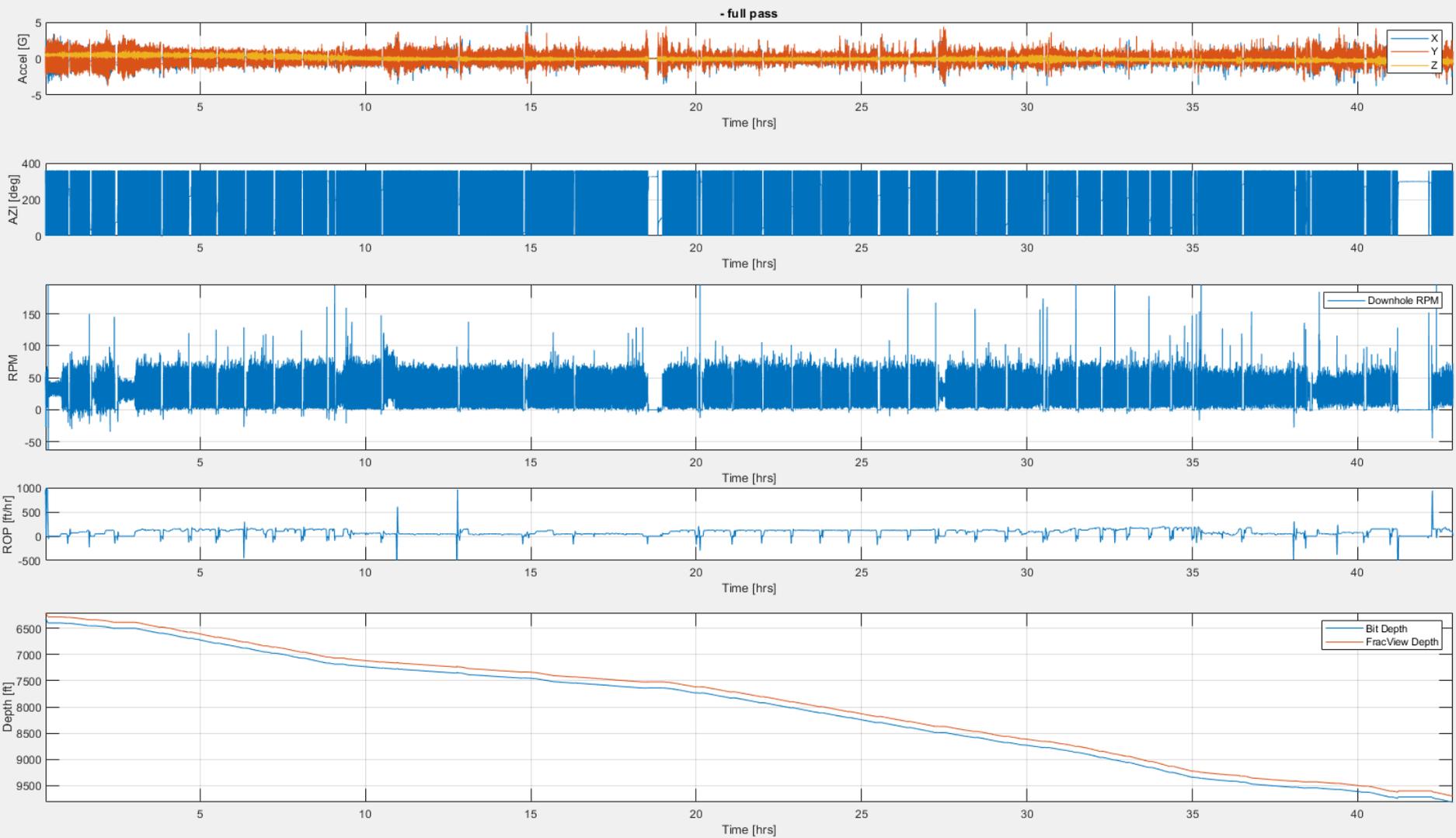


- **FV Sensor at 6,200 to 9,700 ft**
- **FV Sensor to Bit Distance ~ 115.85 ft**
- **Stick-Slip**

NNE_Bogges_13H– Job Summary. Section02. Pass01. Azimuthal Calipers.

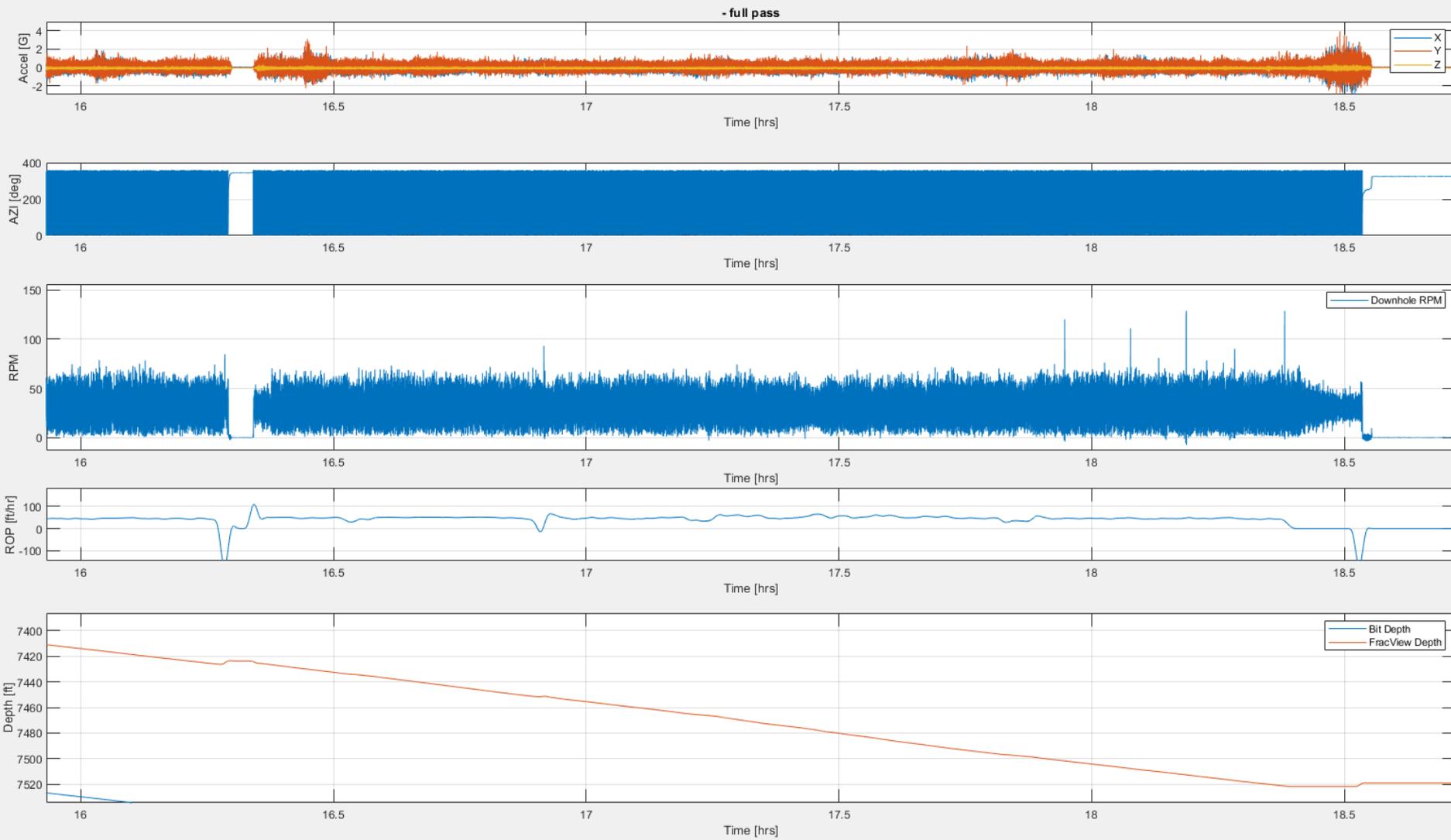


NE_Bogges_13H– Job Summary. Section02. Pass01. Motion Dynamics.

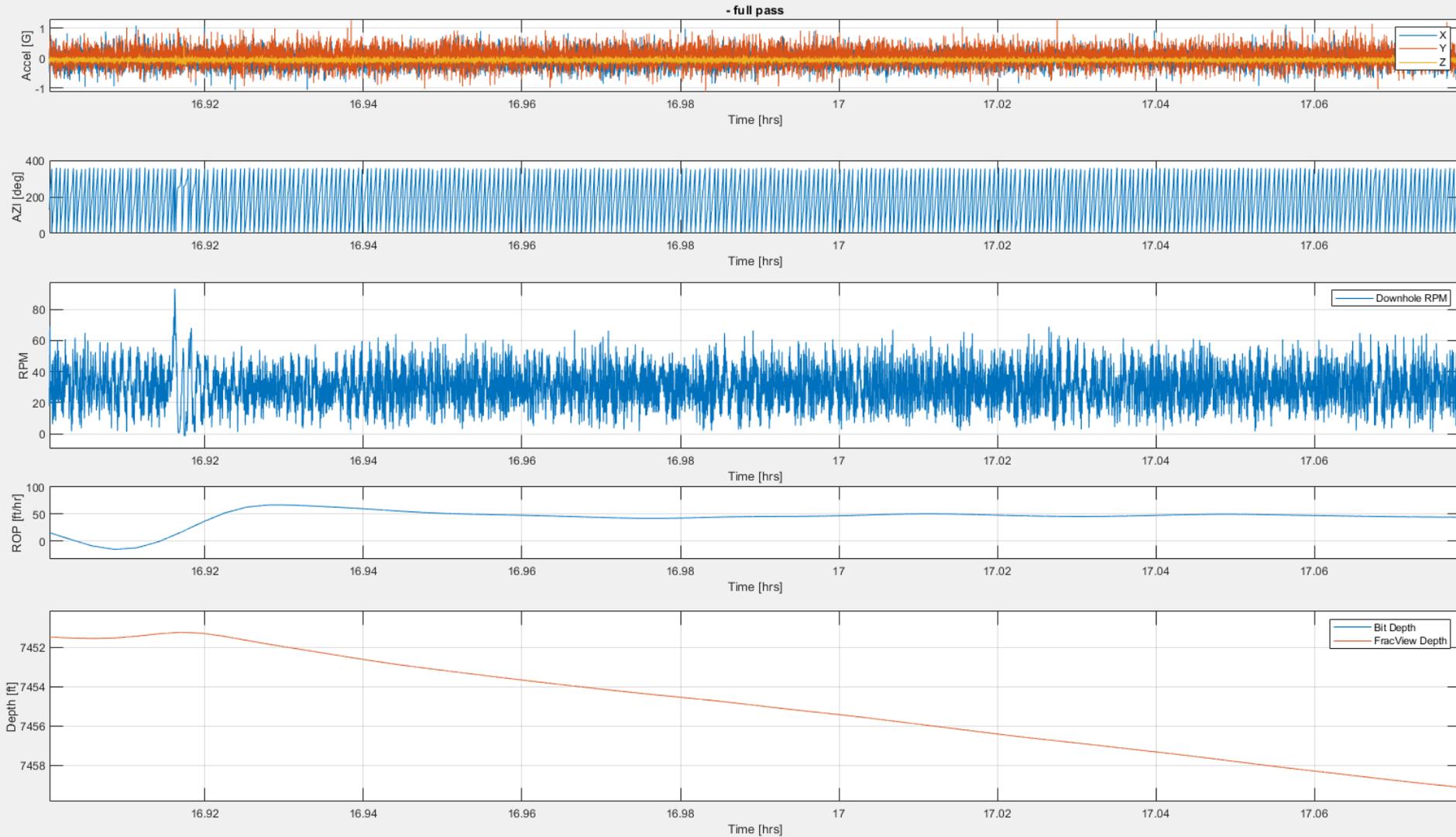


NNE_Boggess_13H– Job Summary.

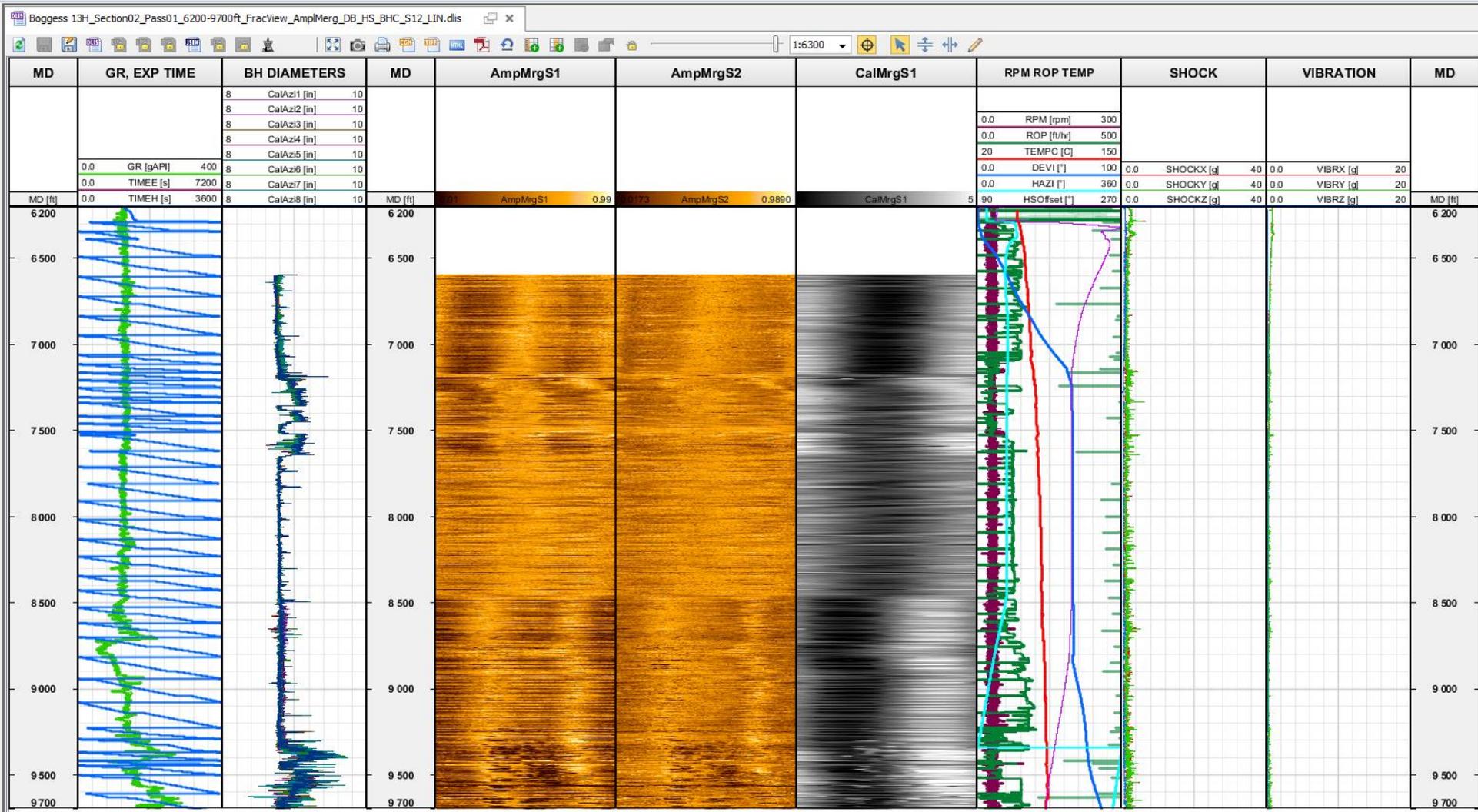
Section02. Pass01. Motion Dynamics (zoom in)



NE_Bogges_13H– Job Summary. Section02. Pass01. Motion Dynamics (zoom in)

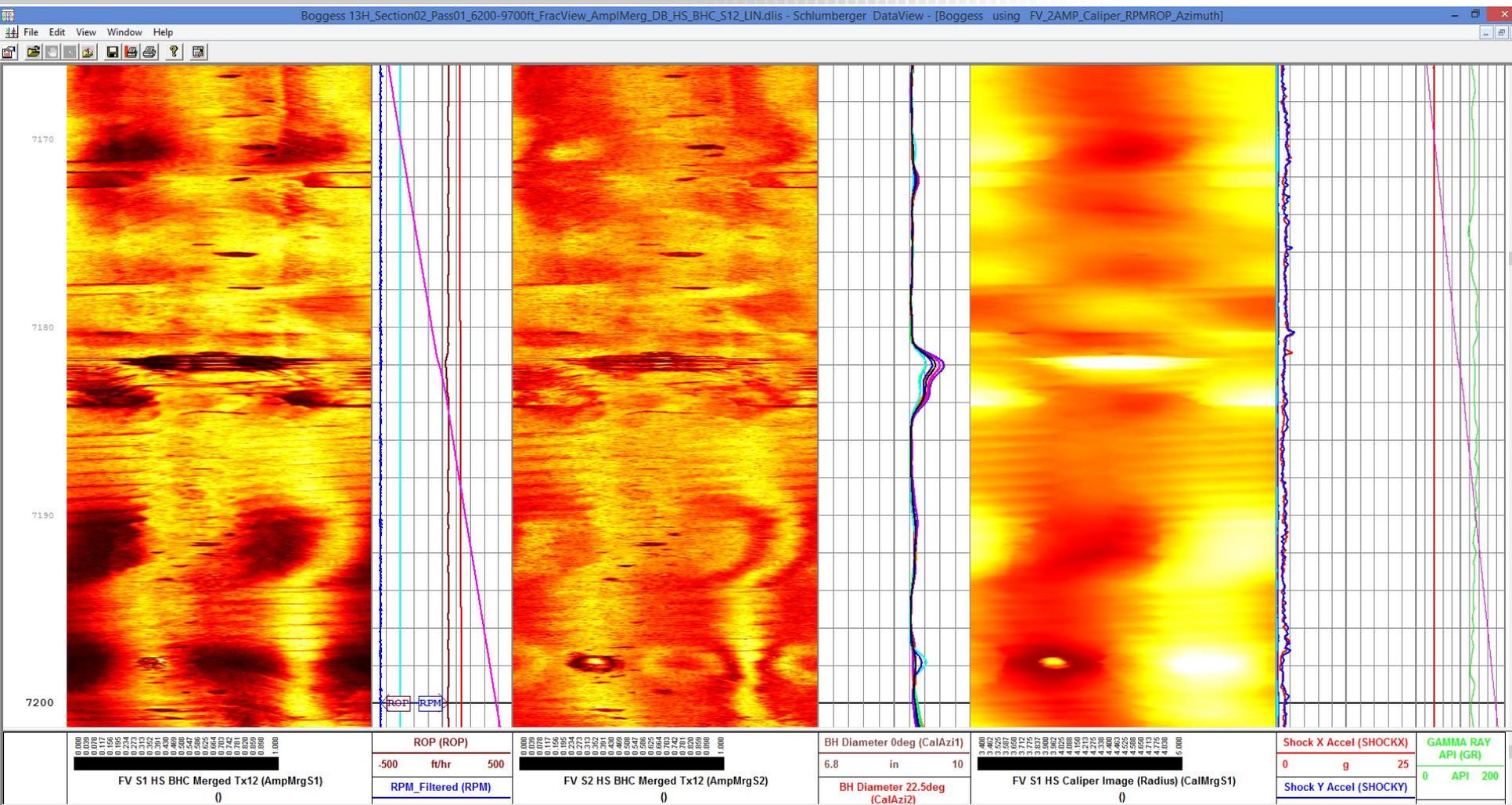


NEE_Boggess_13H– Job Summary. Section02. Pass01. BHC HS S1 vs S2

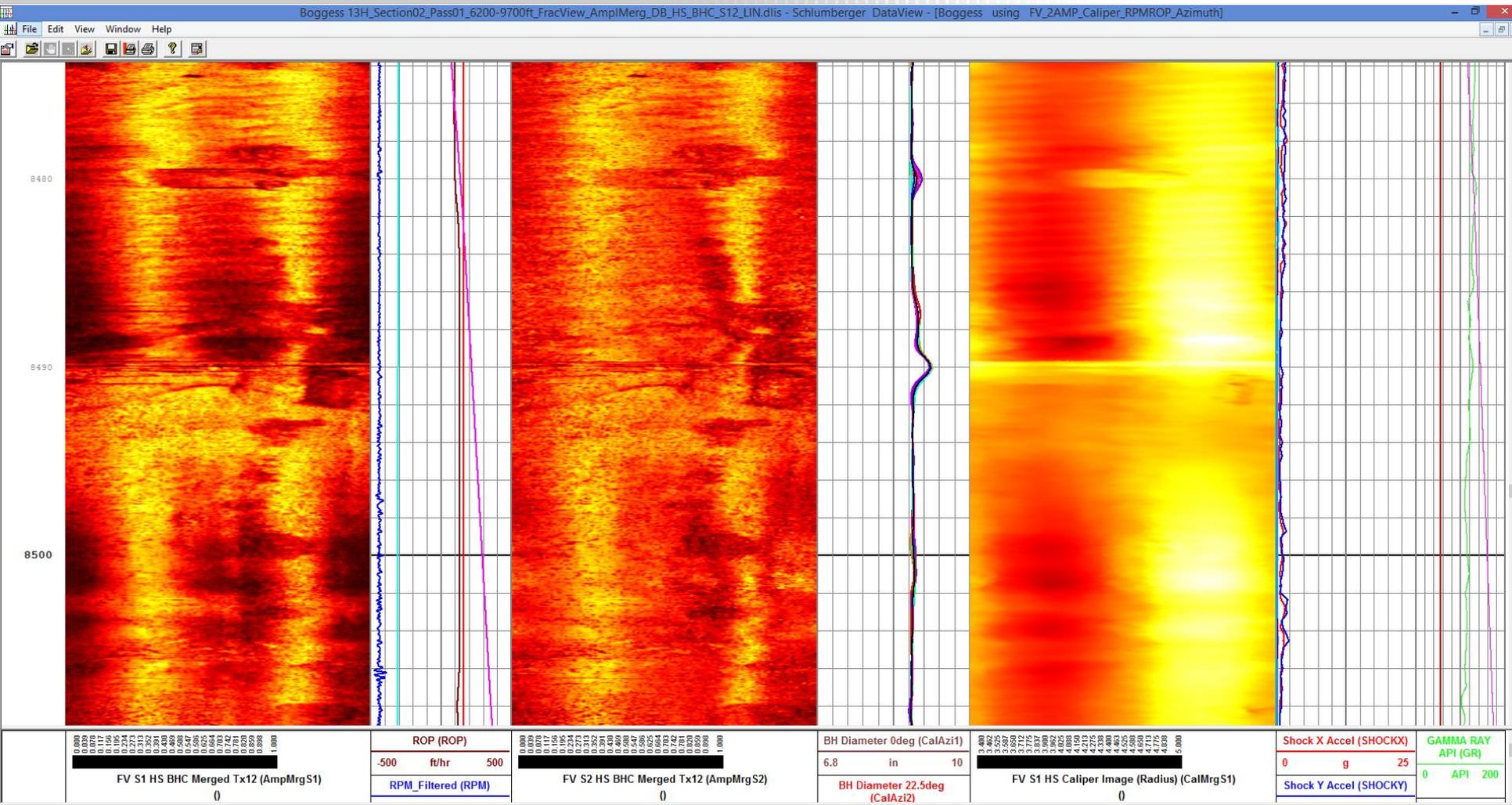


NEE_Bogges_13H- Job Summary.

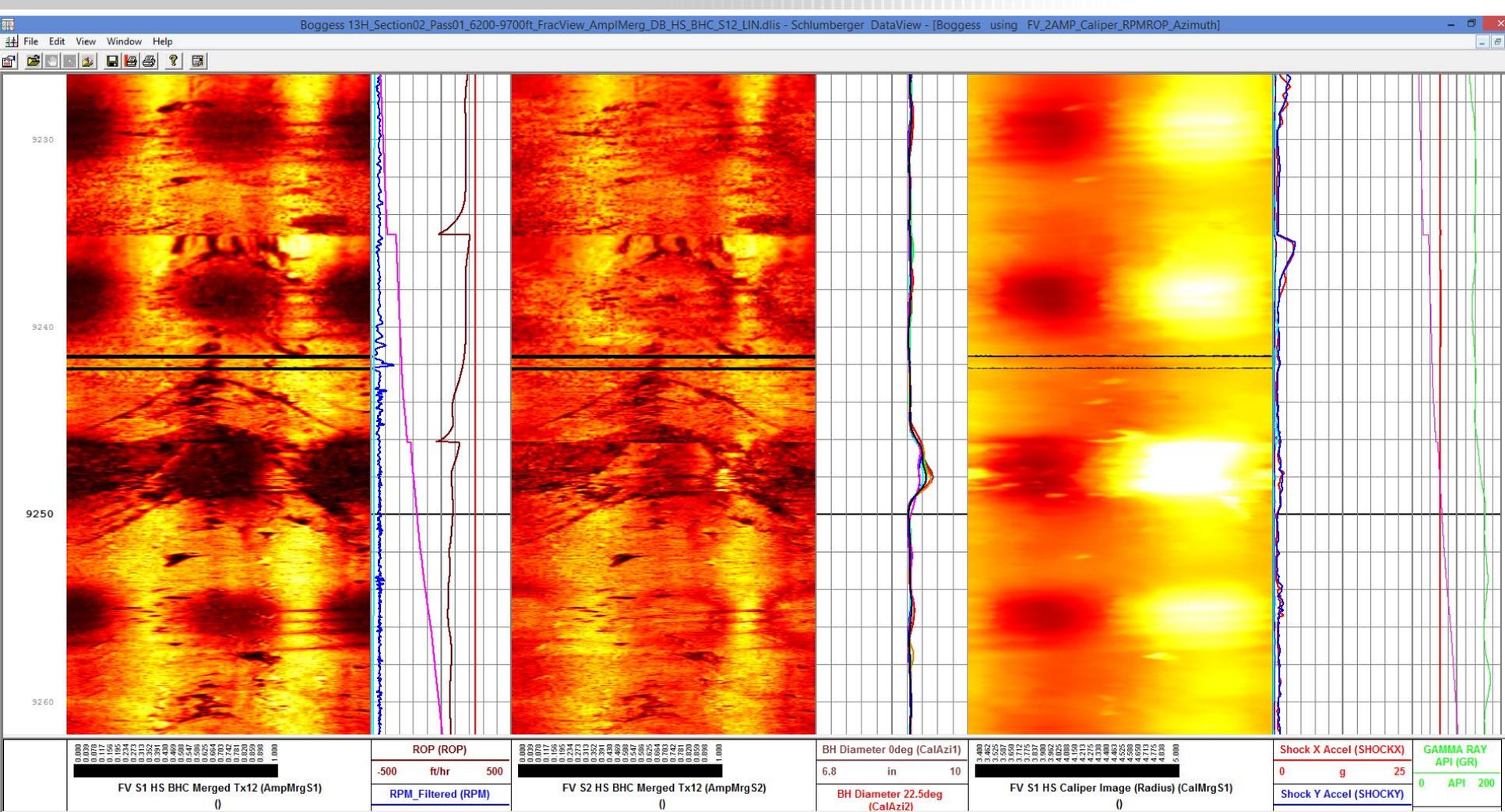
Section02. Pass01. BHC HS S1 vs S2



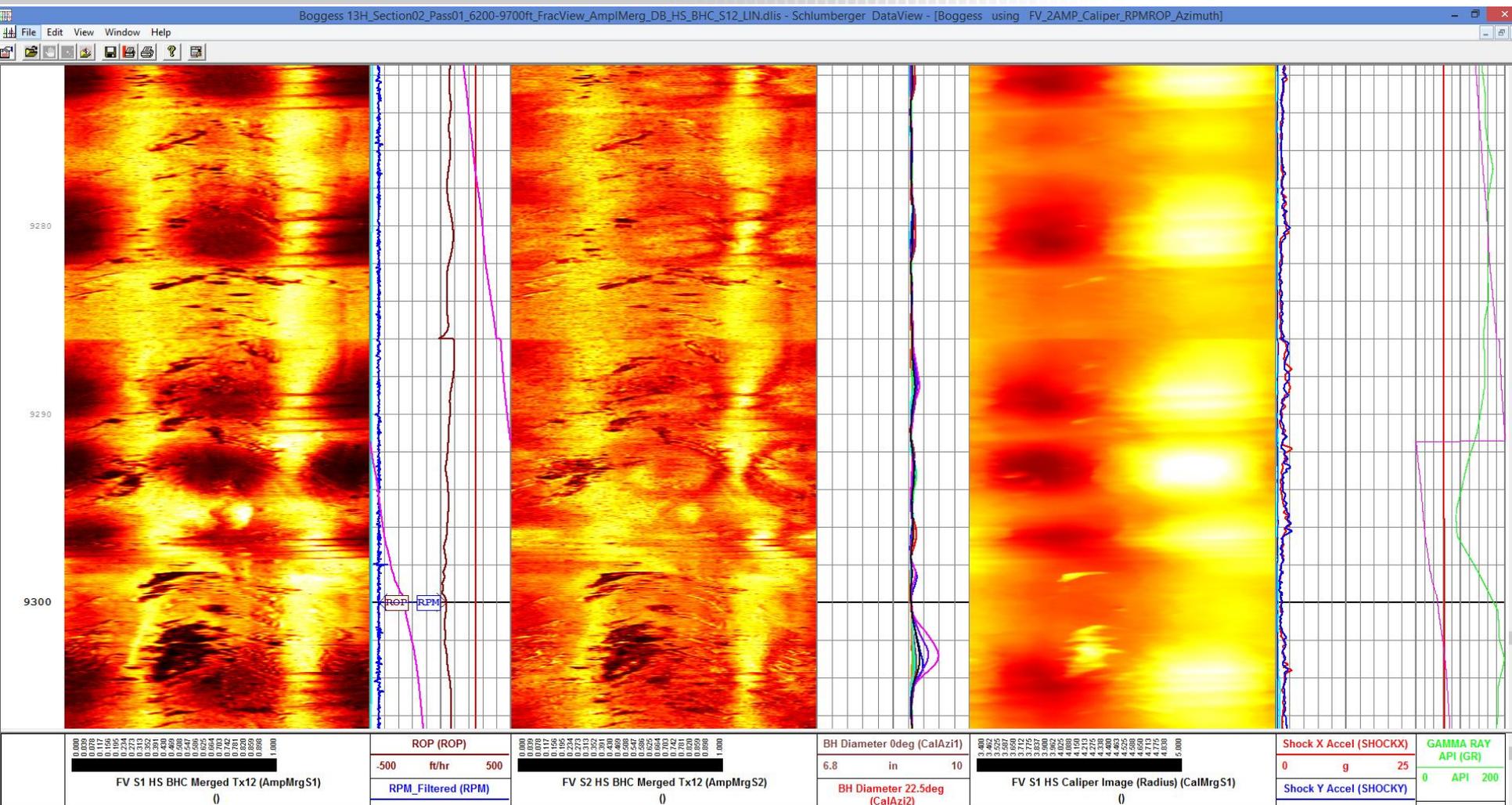
NNE_Boggess_13H– Job Summary. Section02. Pass01. BHC HS S1 vs S2



NE_Bogges_13H– Job Summary. Section02. Pass01. BHC HS S1 vs S2



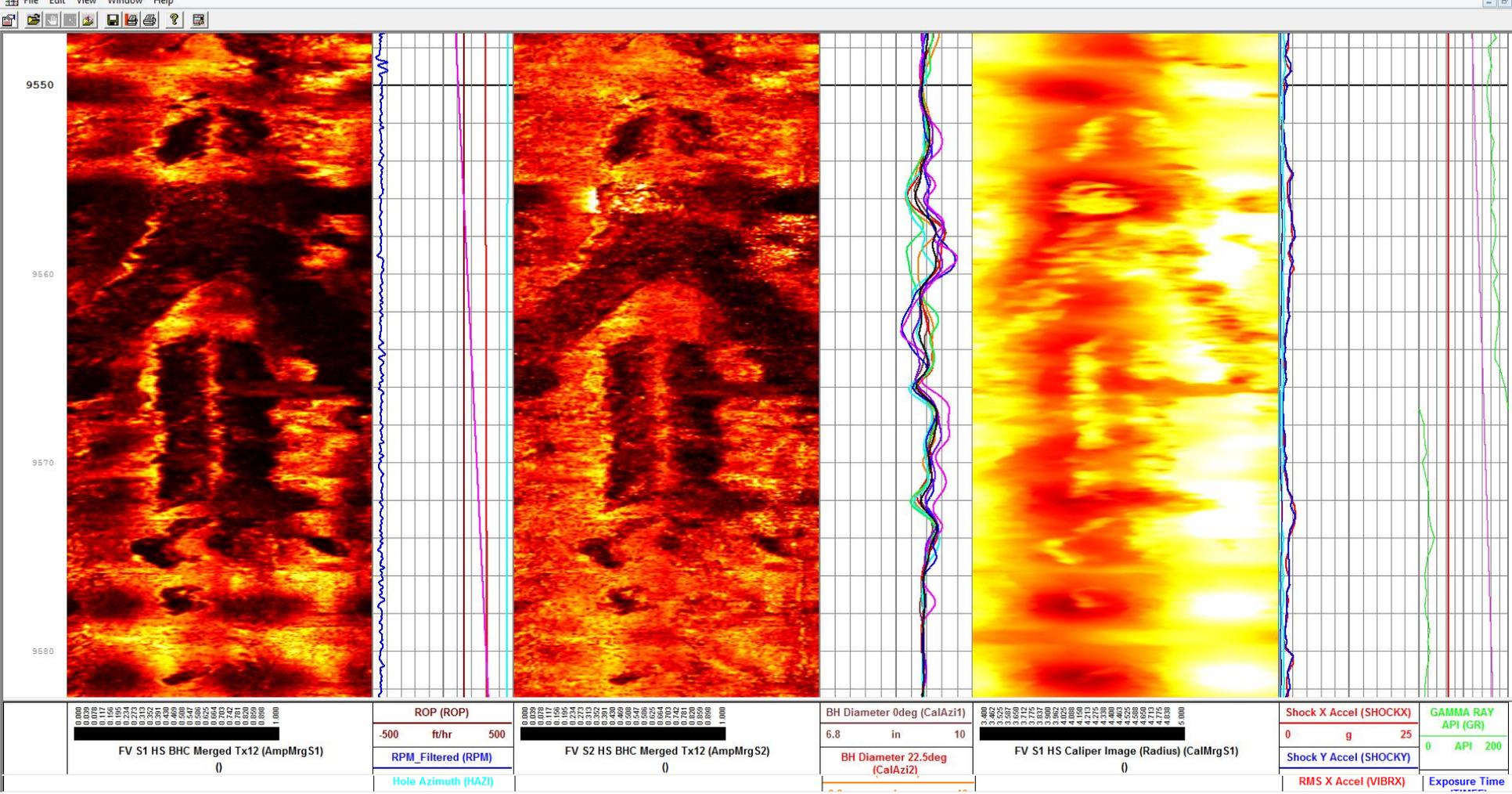
NNE_Boggess_13H– Job Summary. Section02. Pass01. BHC HS S1 vs S2



NNE_Bogges_13H– Job Summary. Section02. Pass01. BHC HS S1 vs S2



Boggess 13H_Section02_Pass01_6200-9700ft_FracView_AmplMerg_DB_HS_BHC_S12_LIN.dllis - Schlumberger DataView - [Boggess using FV_2AMP_Caliper_RPMROP_Azimuth]



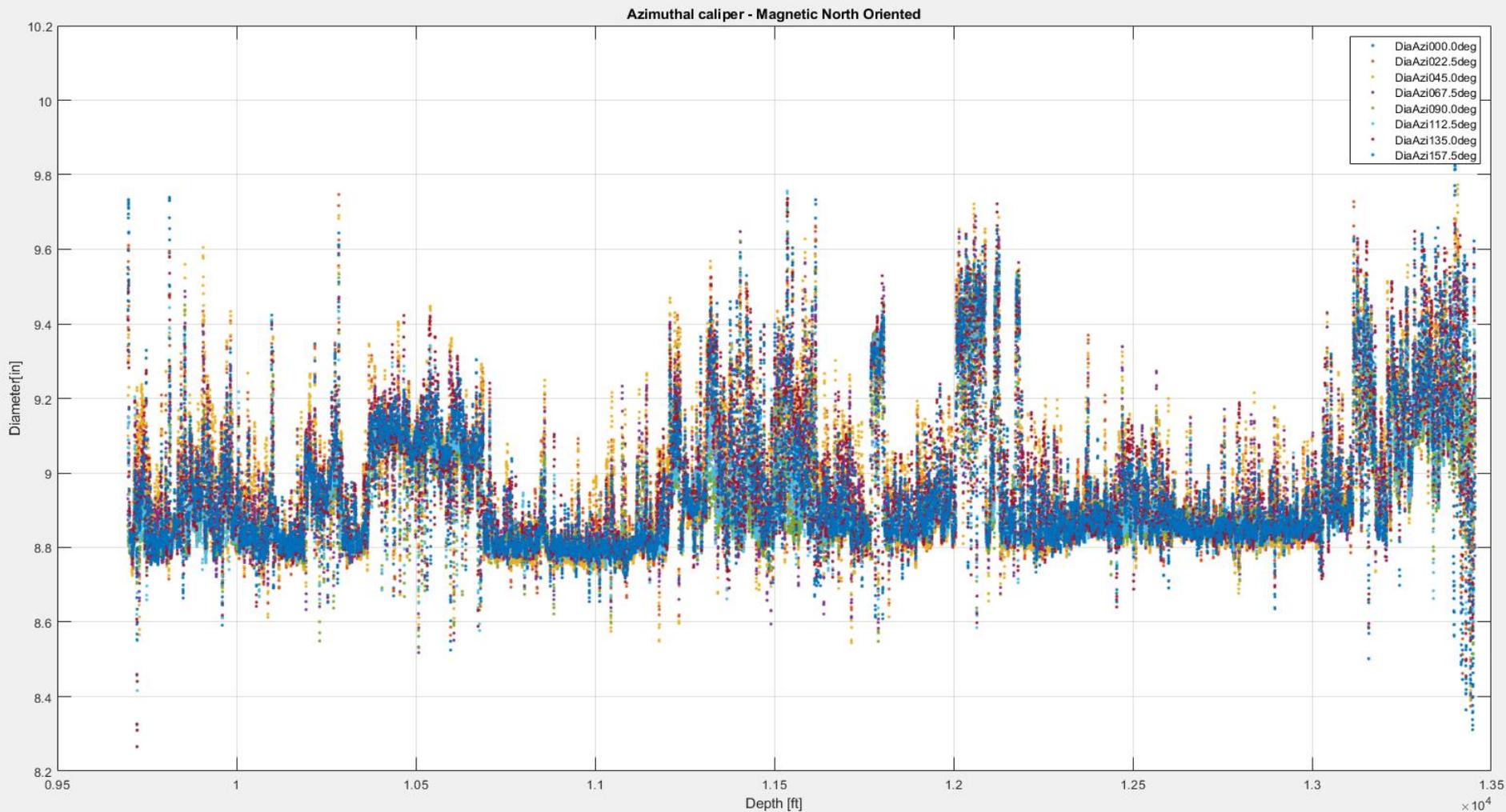
NNE_Boggess_13H– Job Summary.

Section 02. Pass02 (lateral, drill)

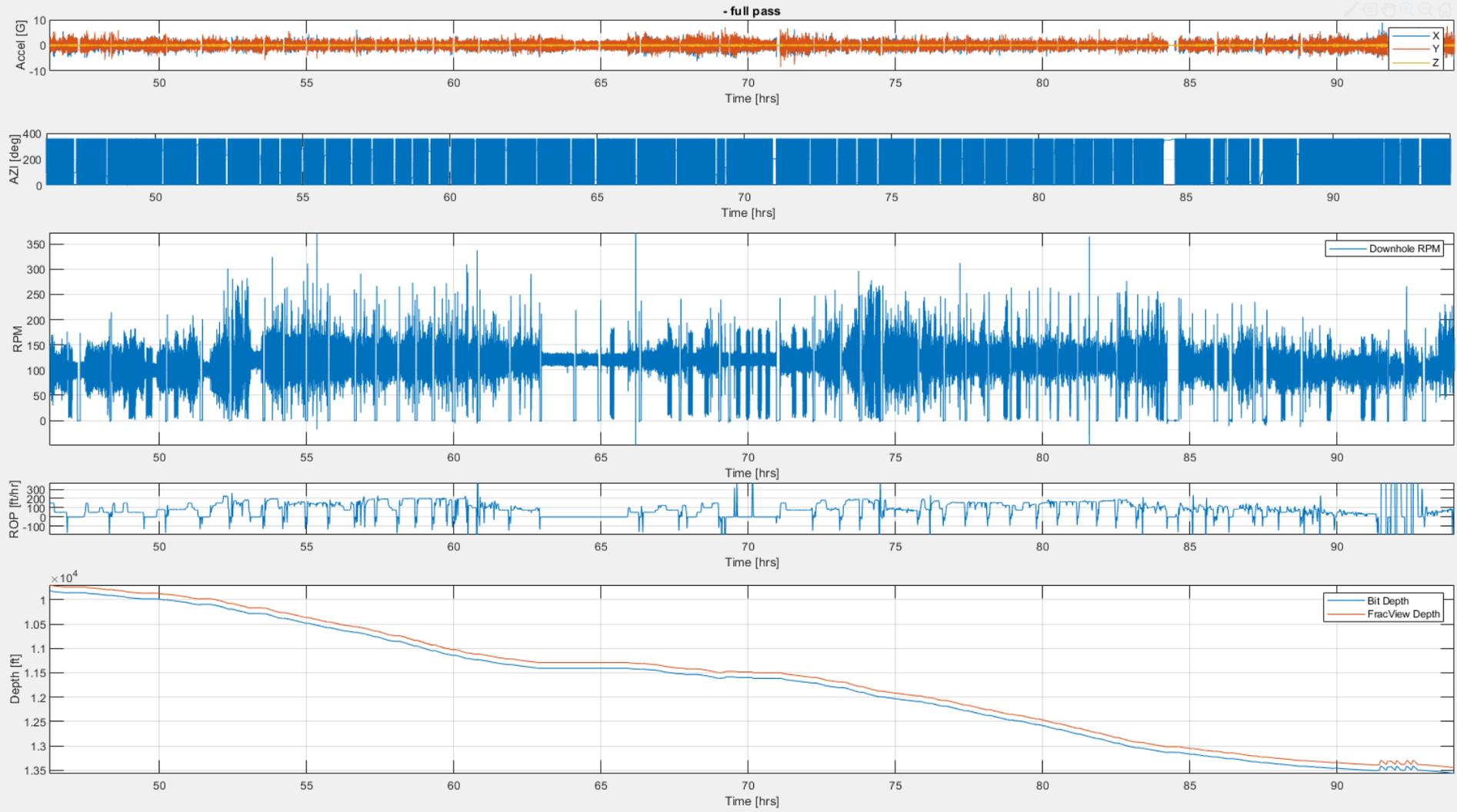


- **FV Sensor at 9,697 to 13,456 ft**
- **FV Sensor to Bit Distance ~ 115.85 ft**
- **Some Stick-Slip**

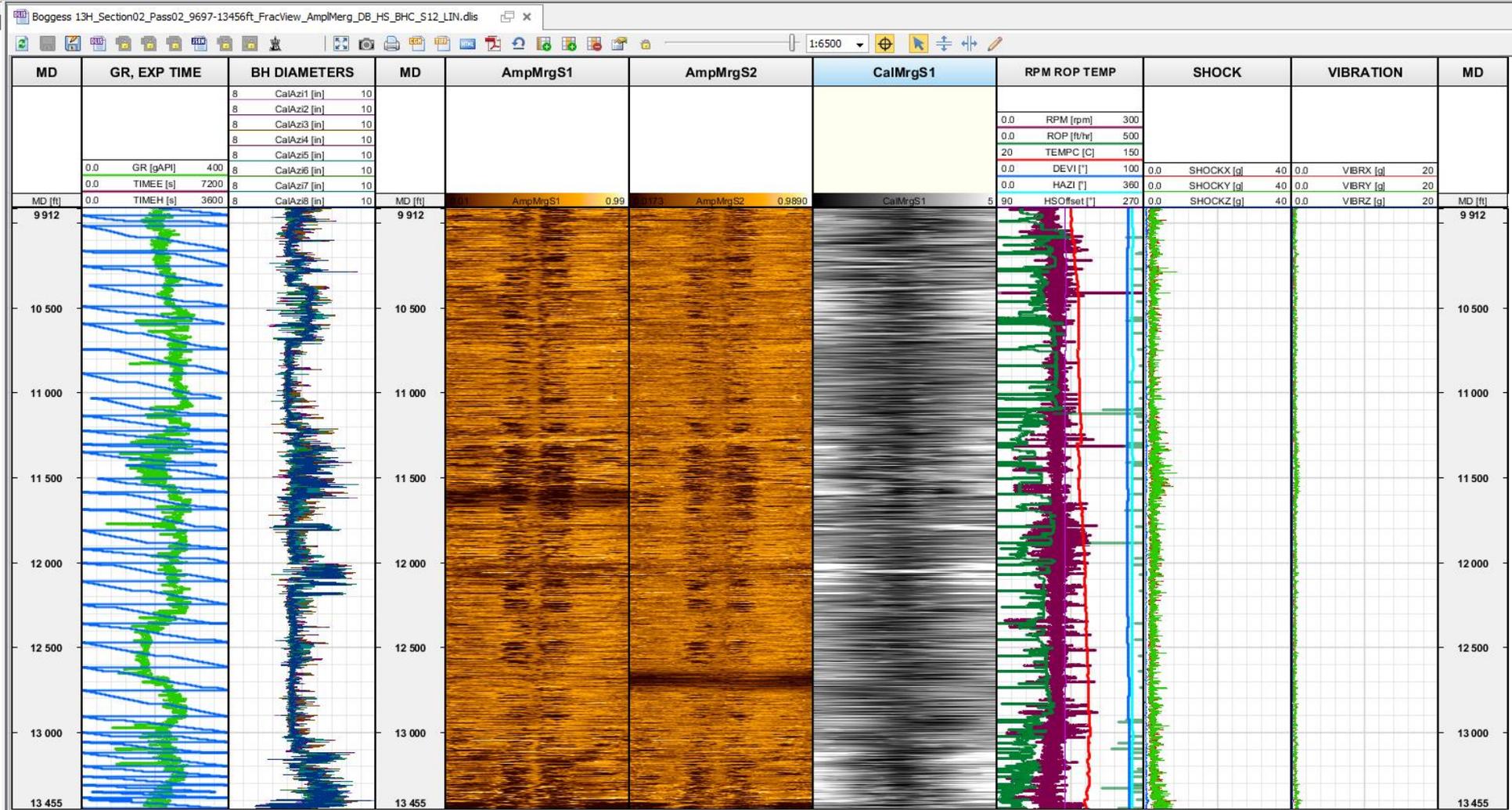
NE_Bogges_13H– Job Summary. Section02. Pass02. Azimuthal Calipers.



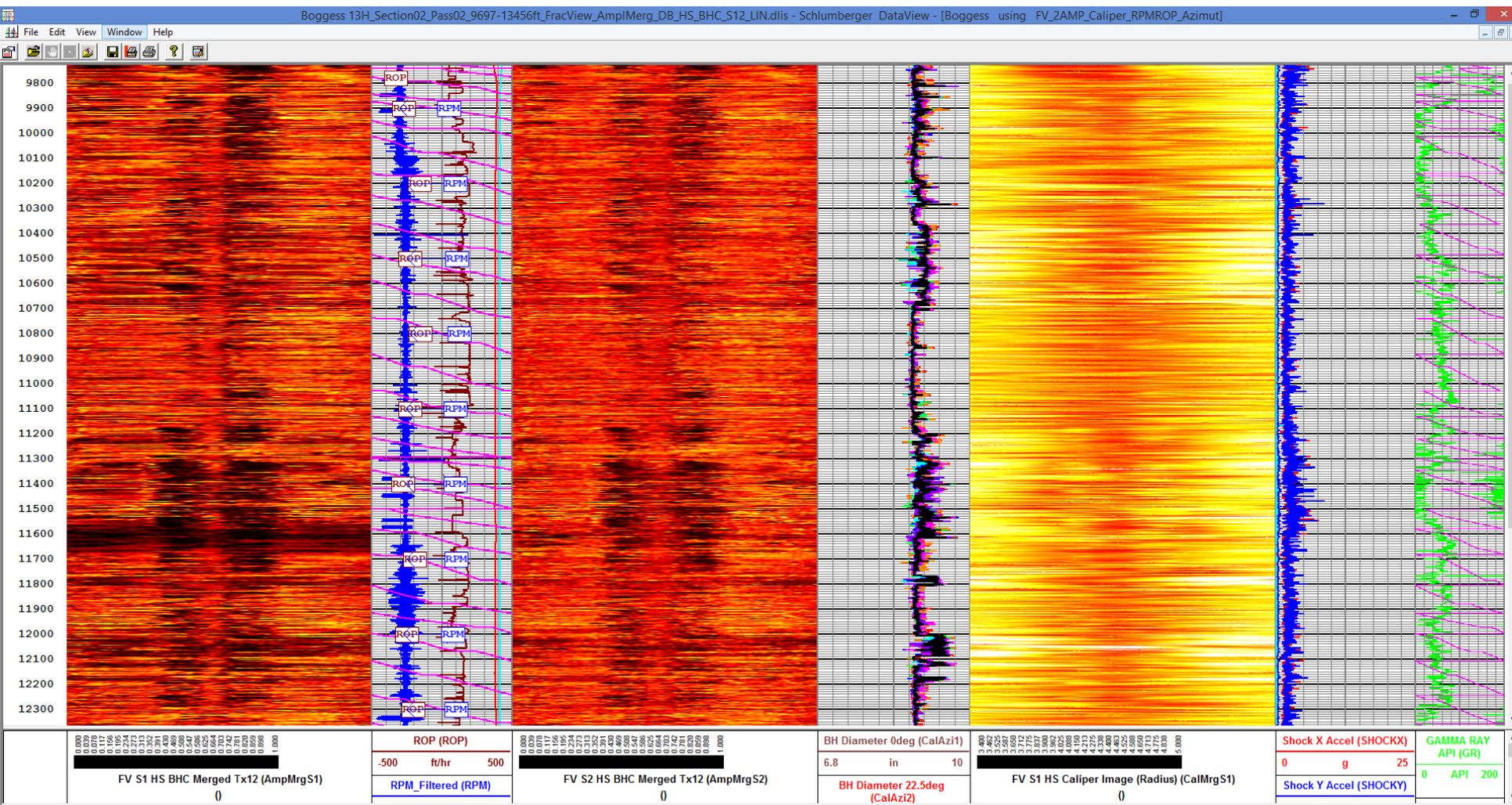
NE_Bogges_13H- Job Summary. Section02. Pass02. Motion Dynamics.



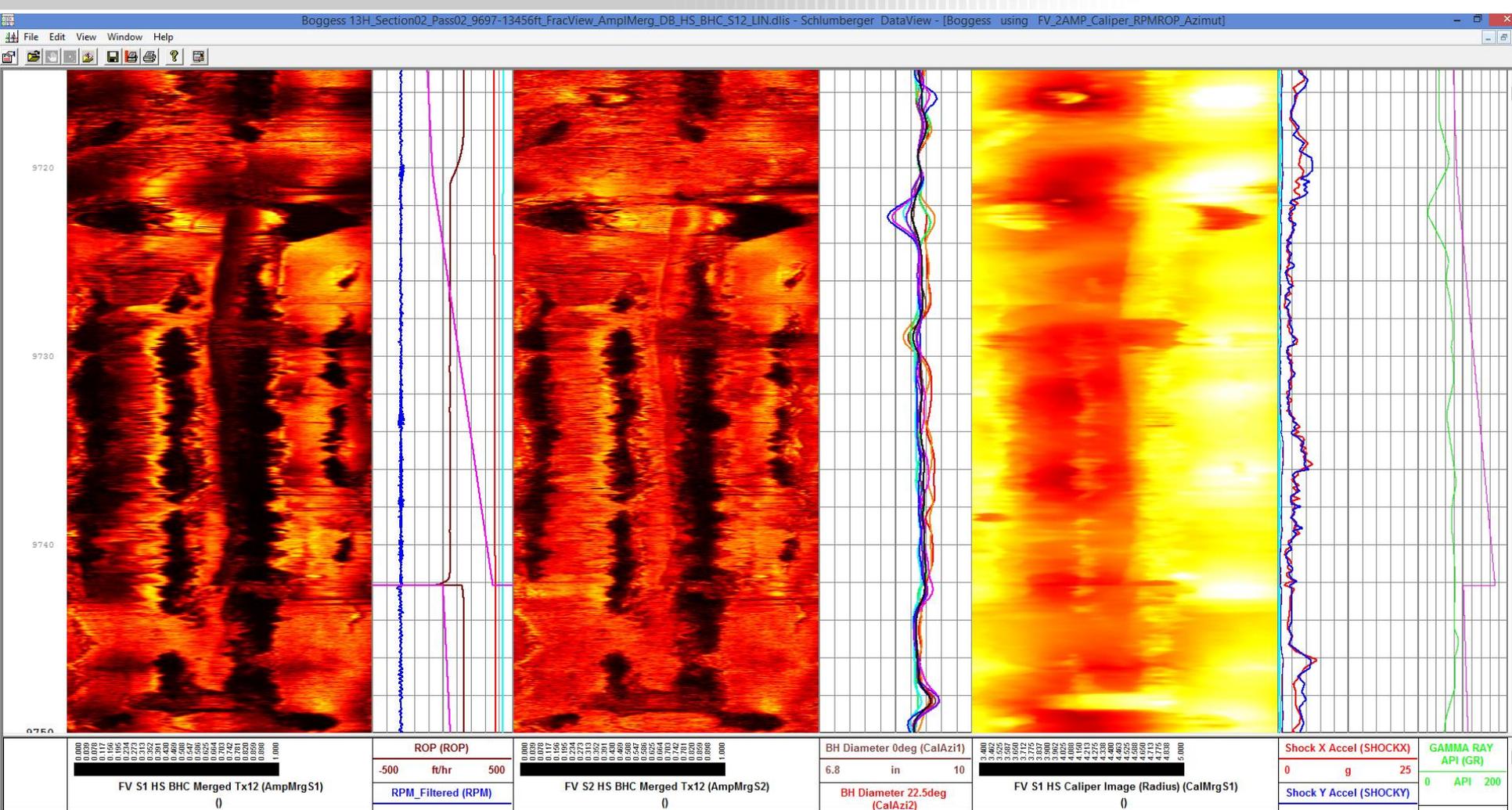
NNE_Bogges_13H– Job Summary. Section02. Pass02. BHC HS S1 vs S2



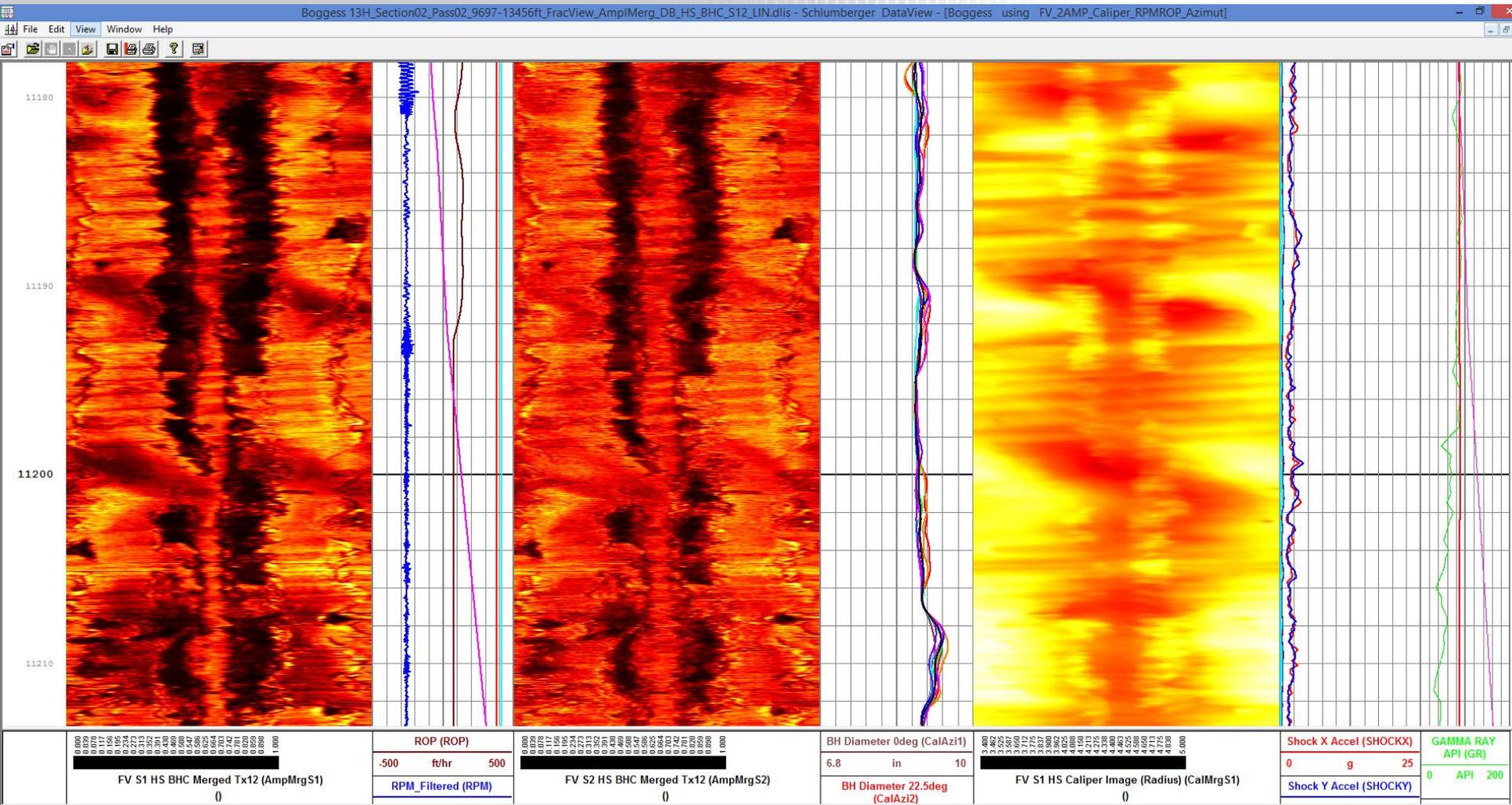
NNE_Bogges_13H– Job Summary. Section02. Pass02. BHC HS S1 vs S2



NE_Bogges_13H– Job Summary. Section02. Pass02. BHC HS S1 vs S2

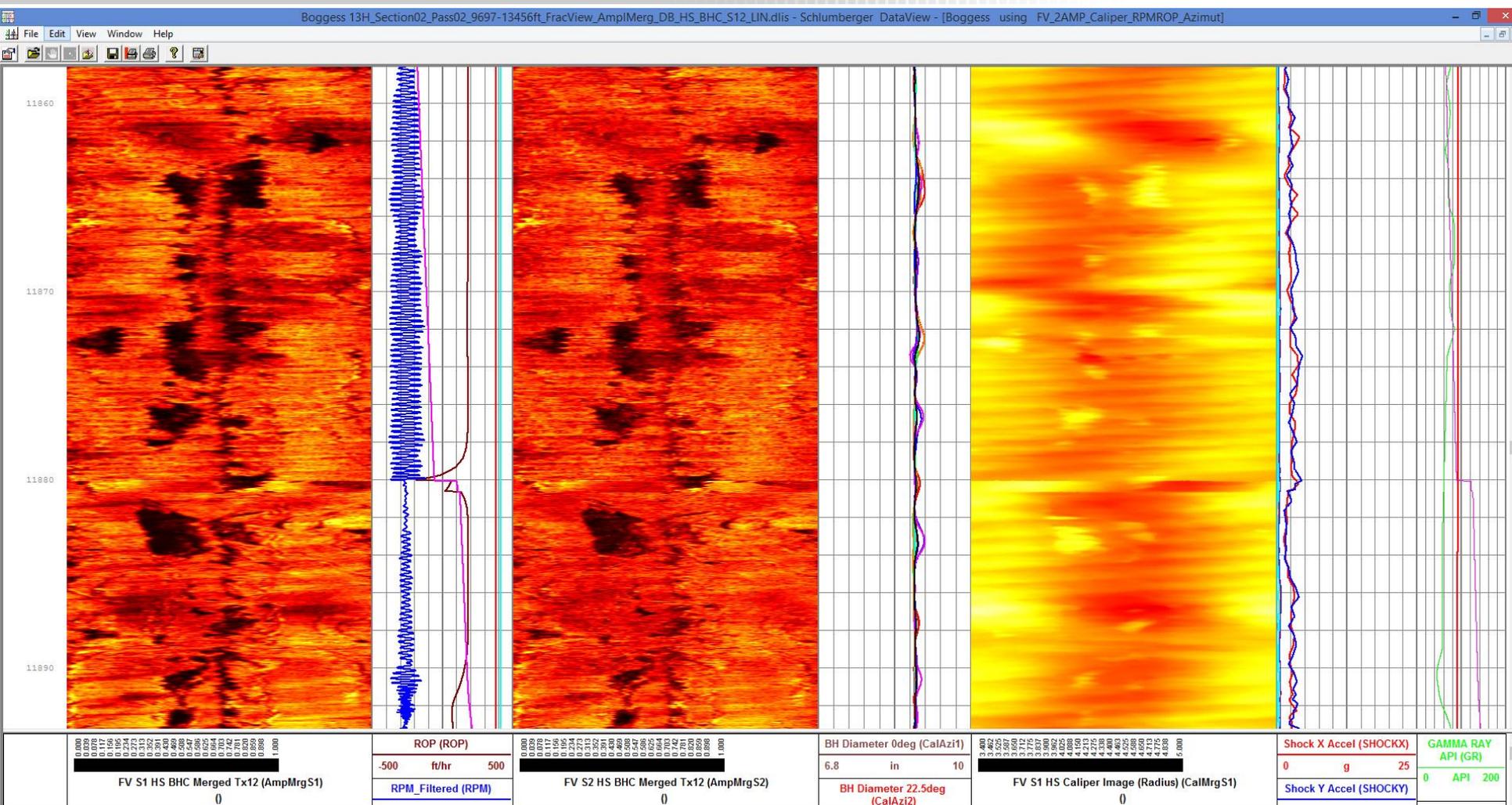


NNE_Boggess_13H– Job Summary. Section02. Pass02. BHC HS S1 vs S2



NEE_Bogges_13H- Job Summary.

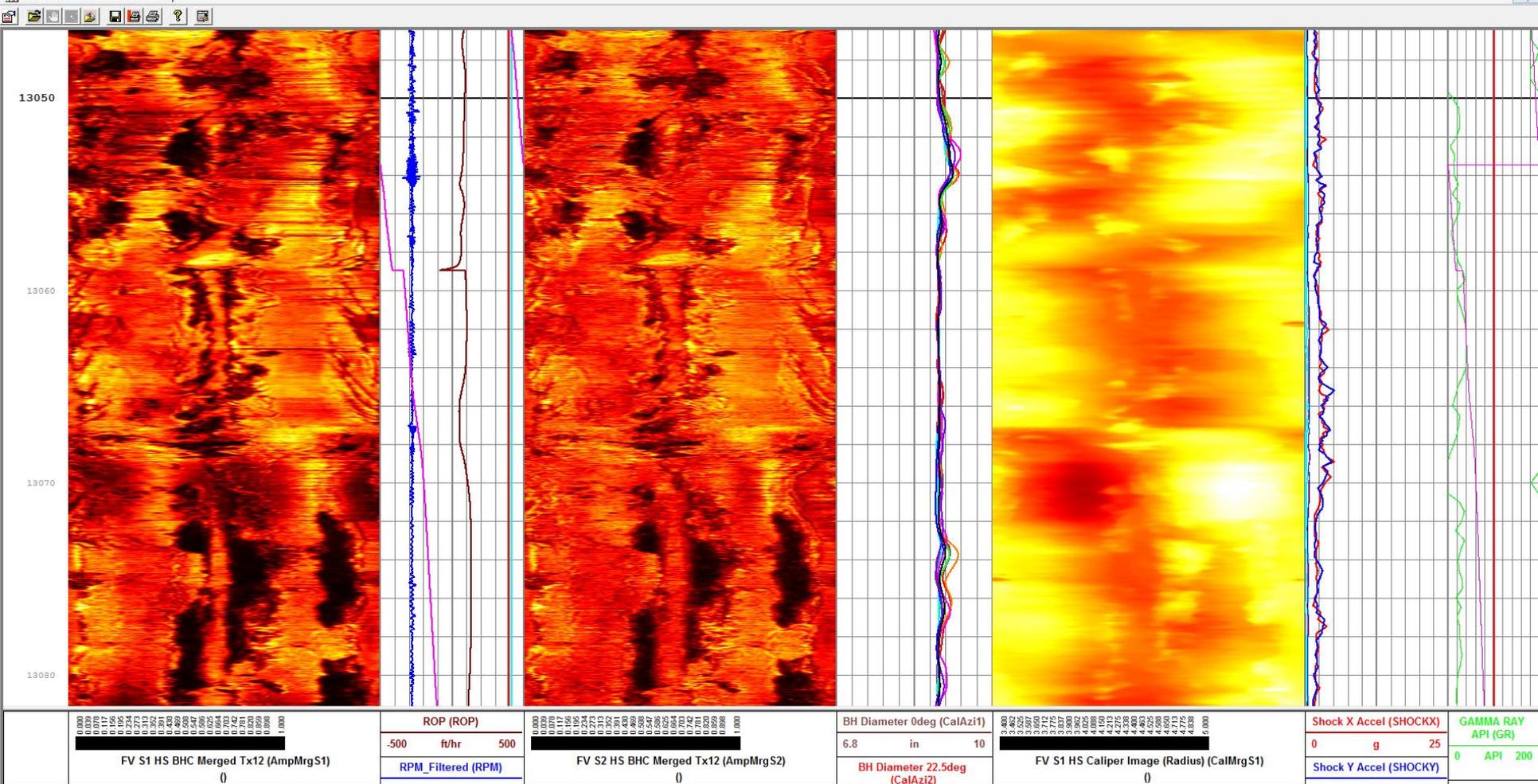
Section02. Pass02. BHC HS S1 vs S2



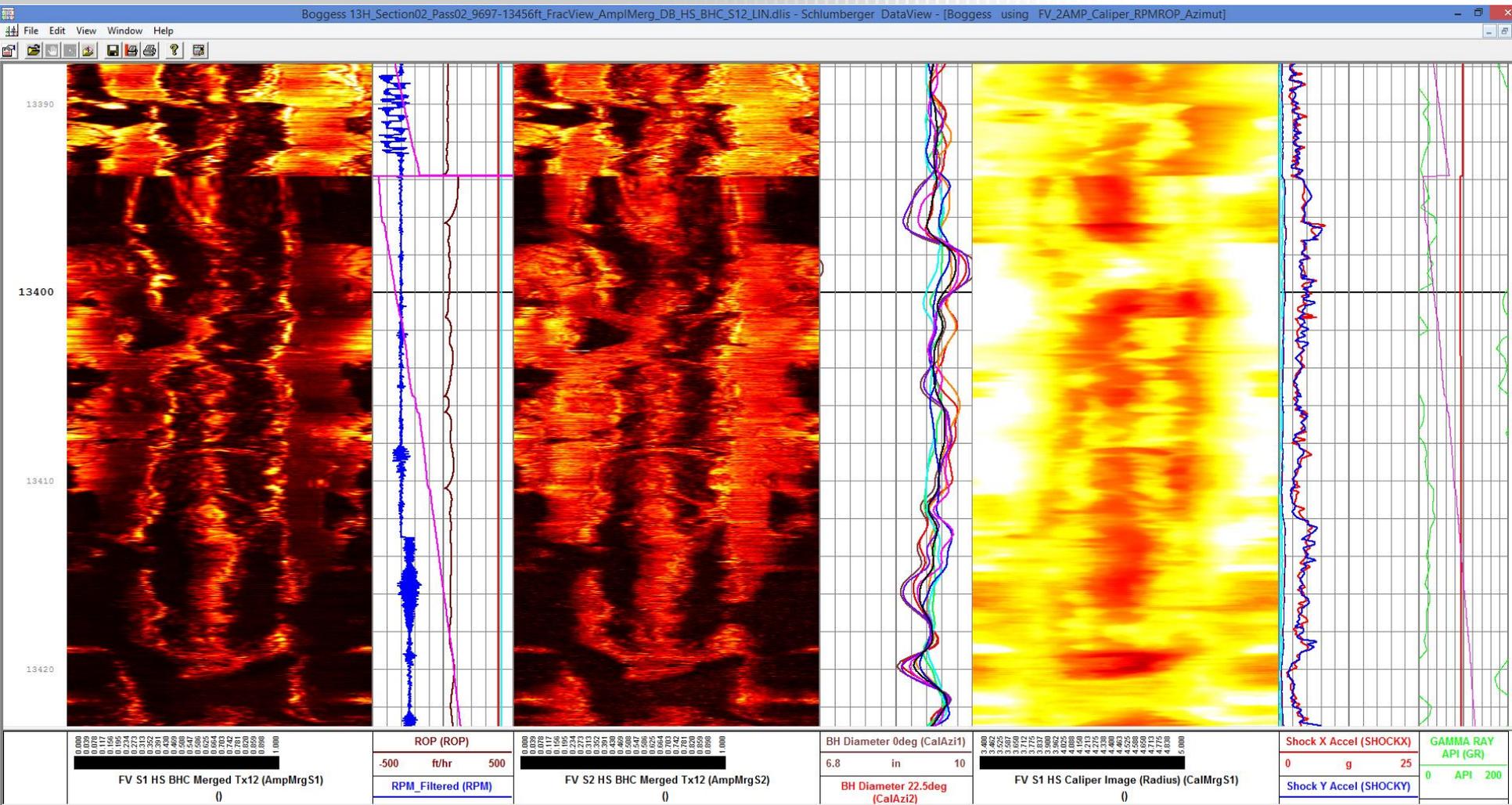
NNE_Bogges_13H– Job Summary. Section02. Pass02. BHC HS S1 vs S2



Bogges 13H_Section02_Pass02_9697-13456ft_FracView_AmpMerg_DB_HS_BHC_S12_LIN.dlls - Schlumberger DataView - [Bogges using FV_2AMP_Caliper_RPMROP_Azimat]



NNE_Bogges_13H– Job Summary. Section02. Pass02. BHC HS S1 vs S2

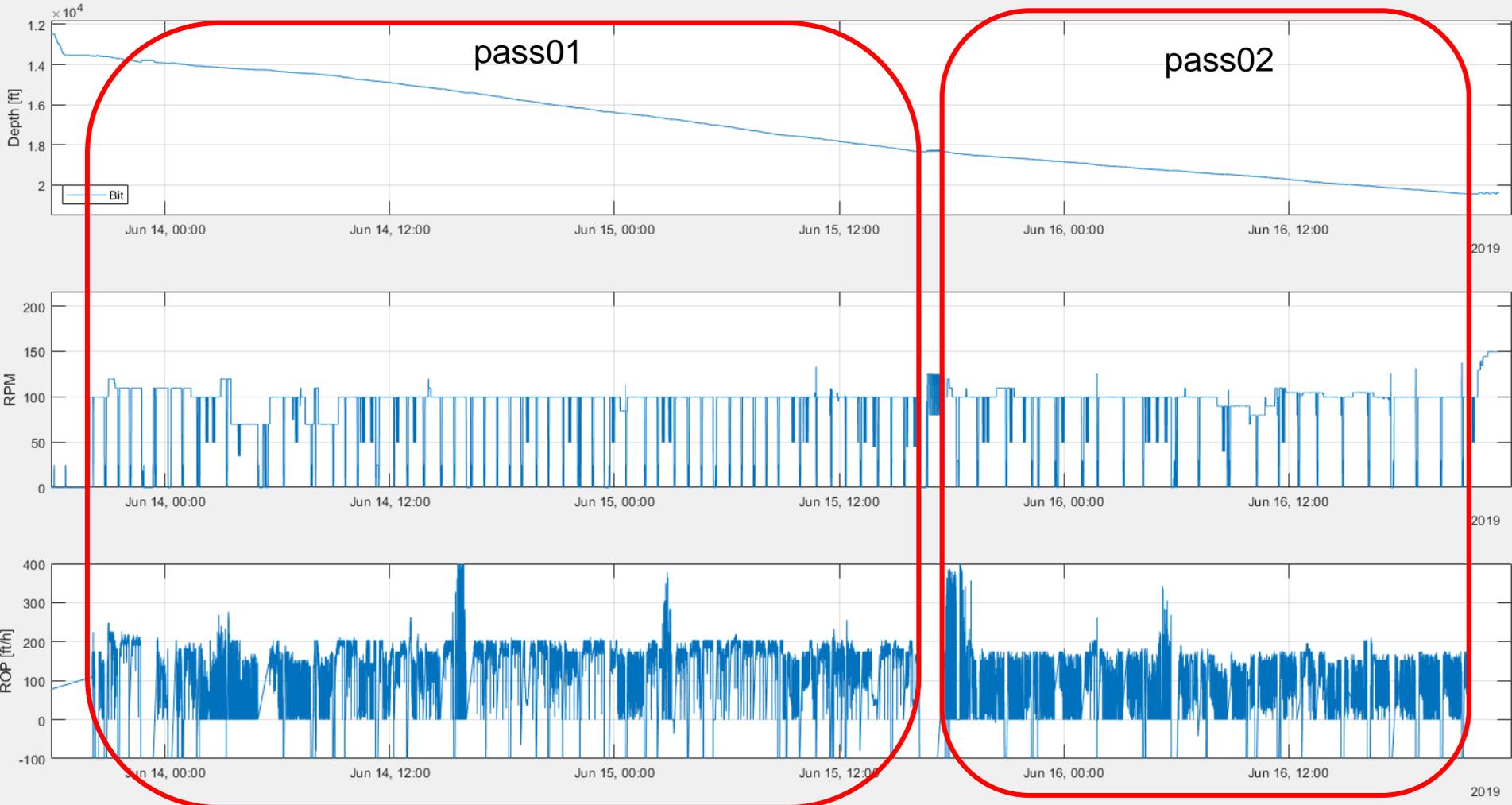


NNE_Boggess_13H– Job Summary. Section03.

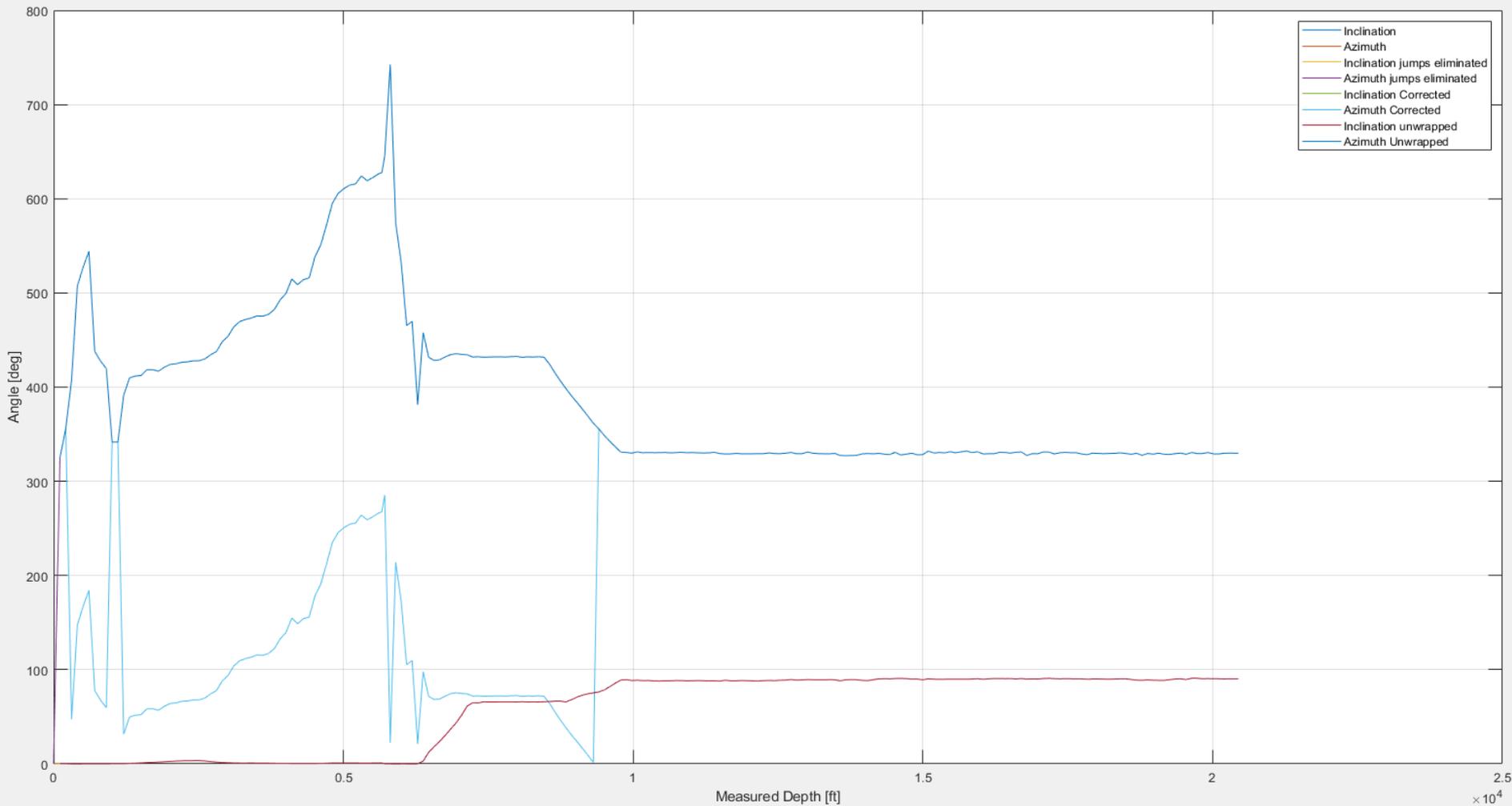


- **Section 03 (lateral)**
 - **Pass01 (drill)**
 - **Pass02 (drill)**

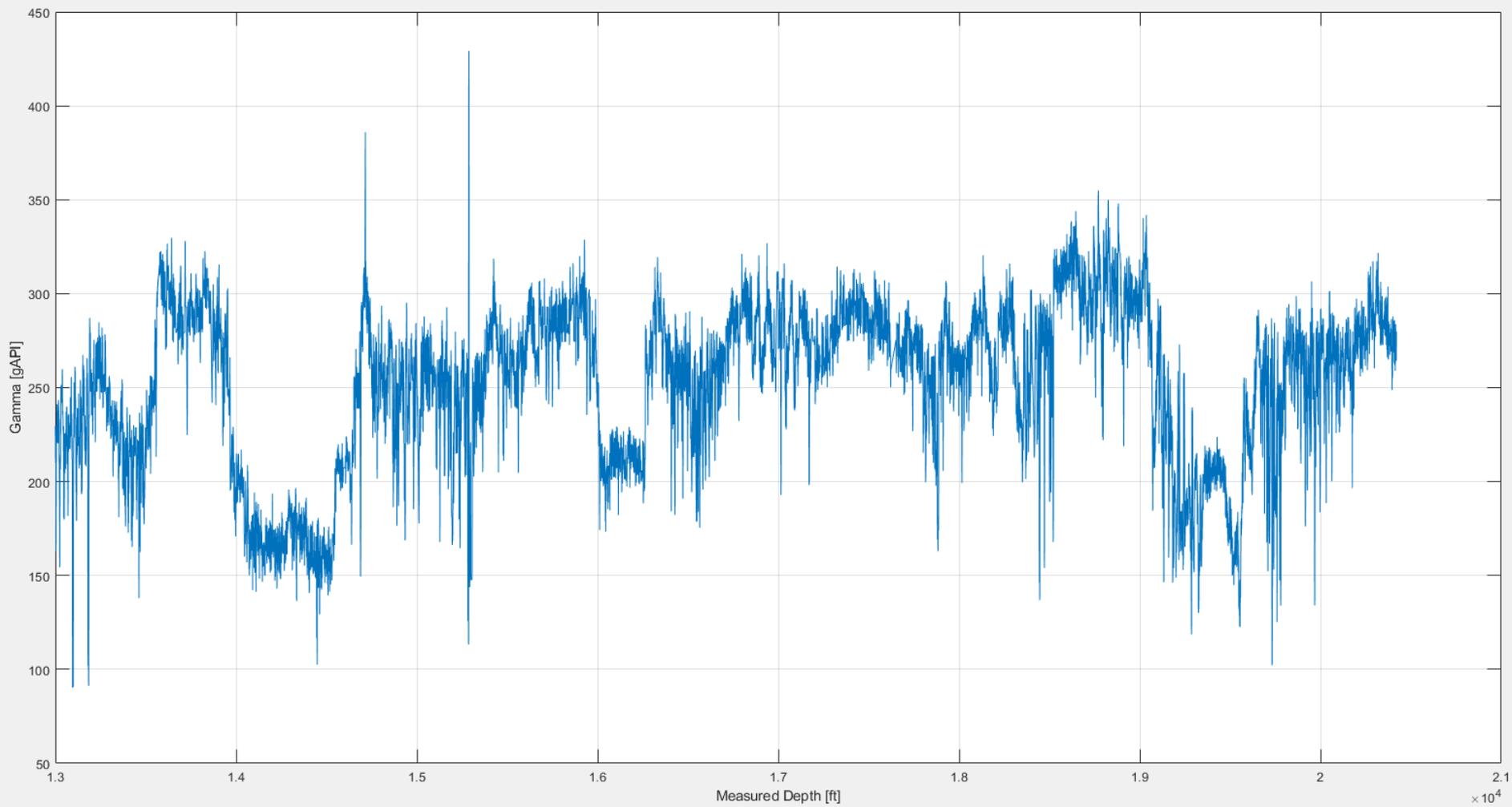
NNE_Boggess_13H– Job Summary. Section03. Pass01 & 02



NNE_Boggess_13H– Job Summary. Section03. Inclination & Azimuth.



NNE_Boggess_13H– Job Summary. Section03. Gamma API (GRC_D).



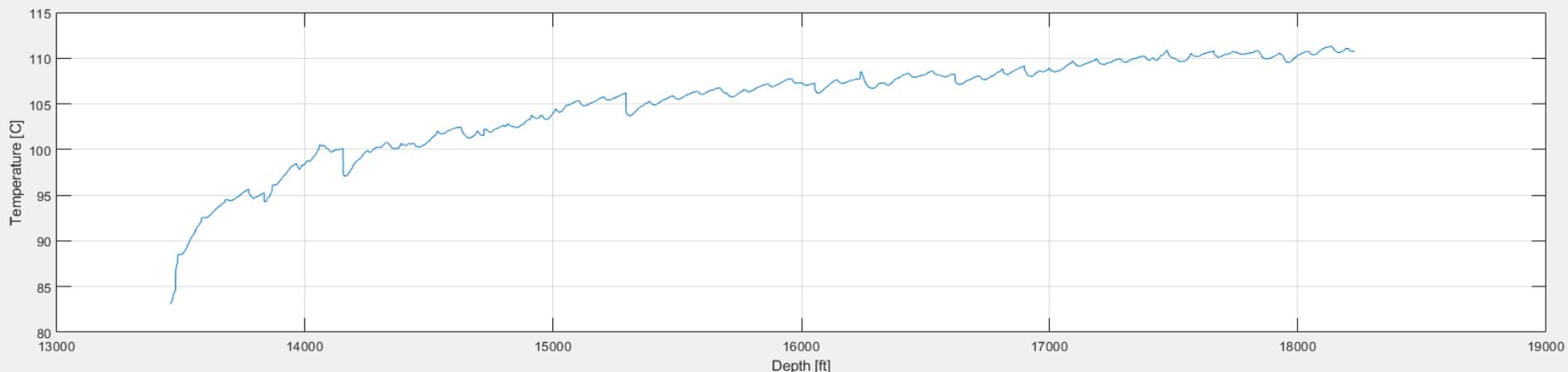
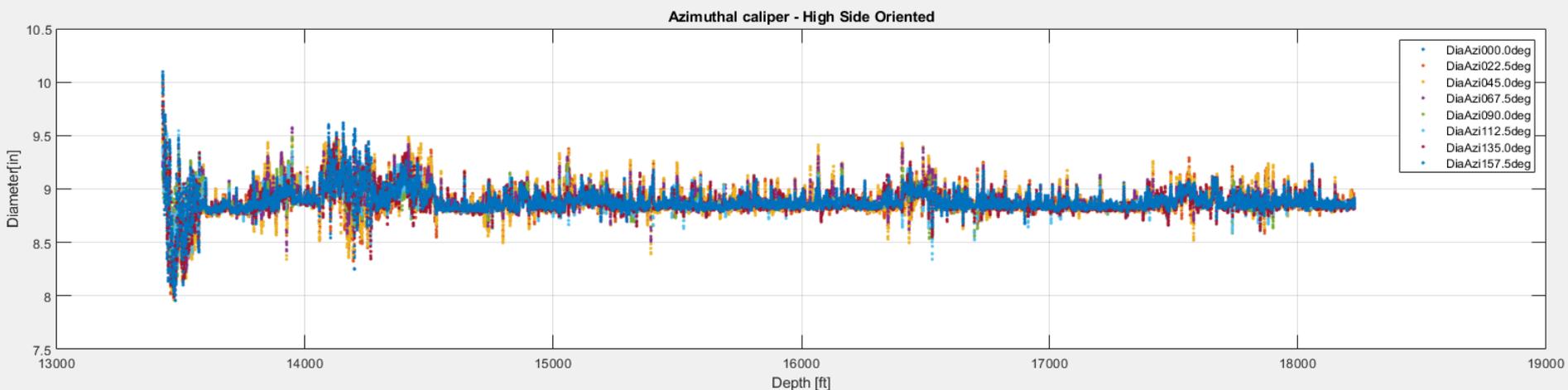
NNE_Boggess_13H– Job Summary.

Section 03. Pass01 (drill, lateral)

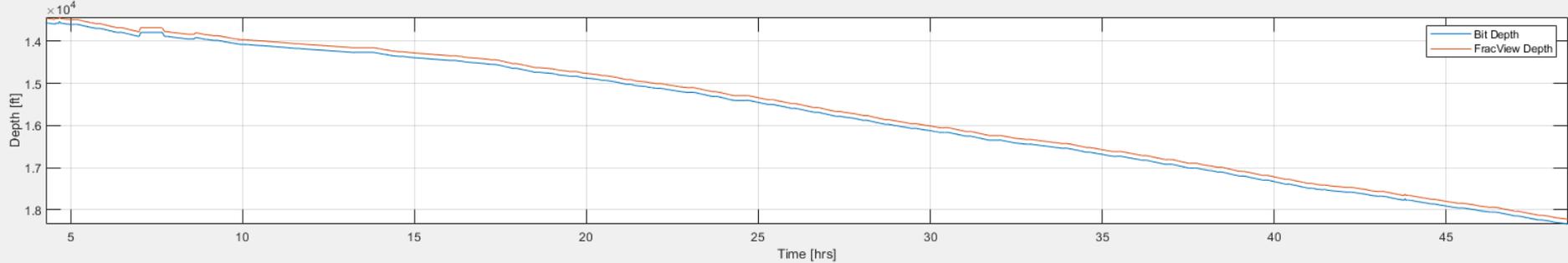
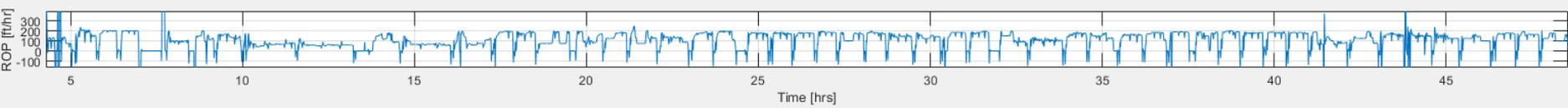
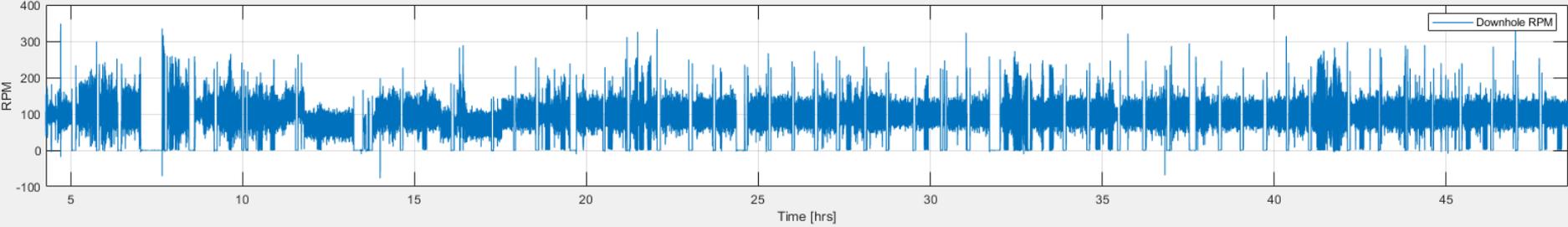
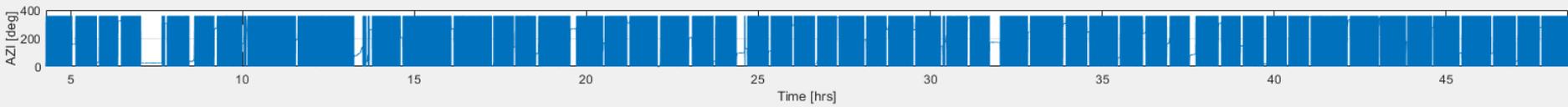
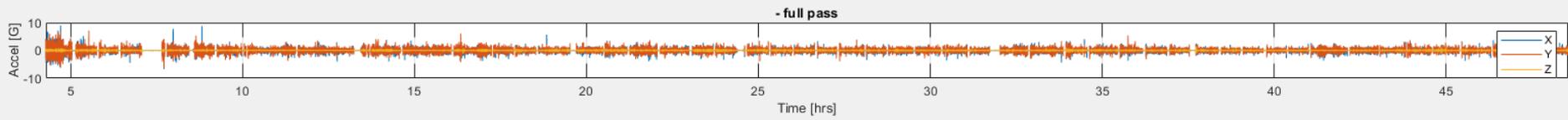


- **FV Sensor at 13,426 – 18,228 ft**
- **FV Sensor to Bit Distance ~ 111.8 ft**
- **Occasional Stick-Slip**

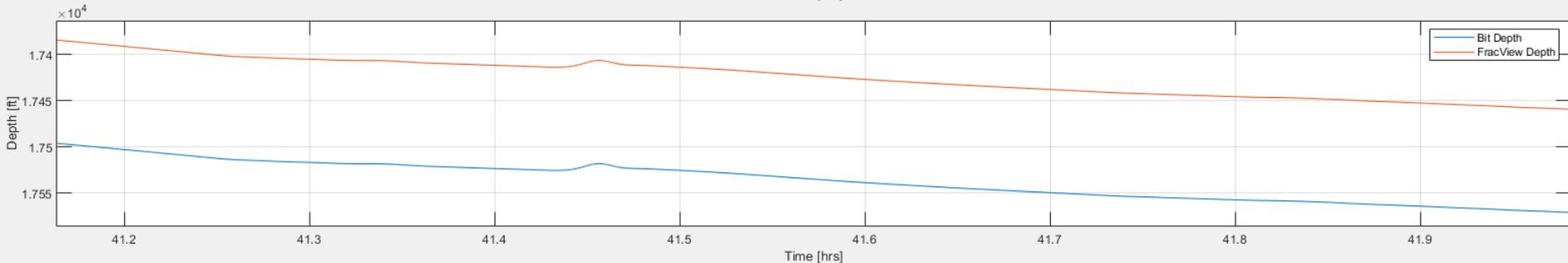
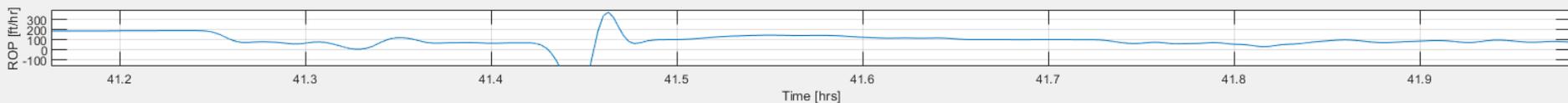
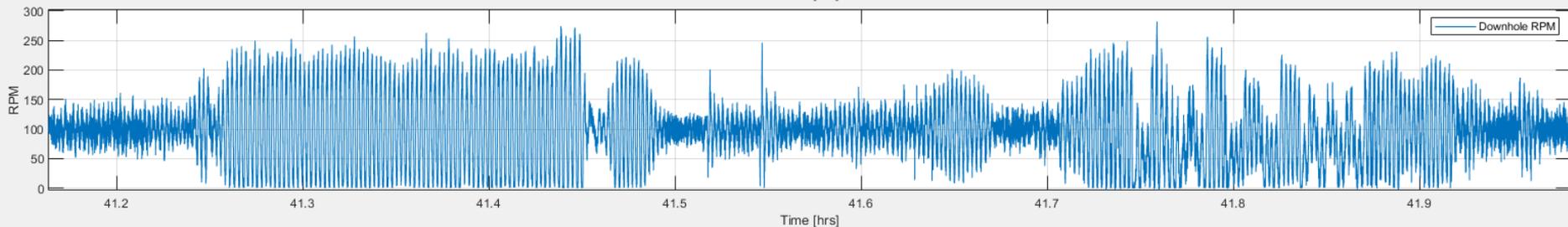
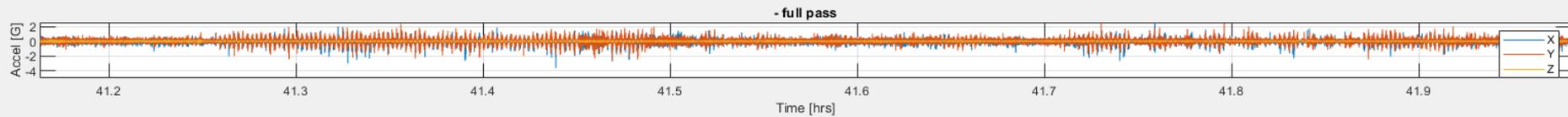
NNE_Boggess_13H– Job Summary. Section02. Pass01. Azimuthal Calipers.



NE_Bogges_13H– Job Summary. Section03. Pass01. Motion Dynamics.

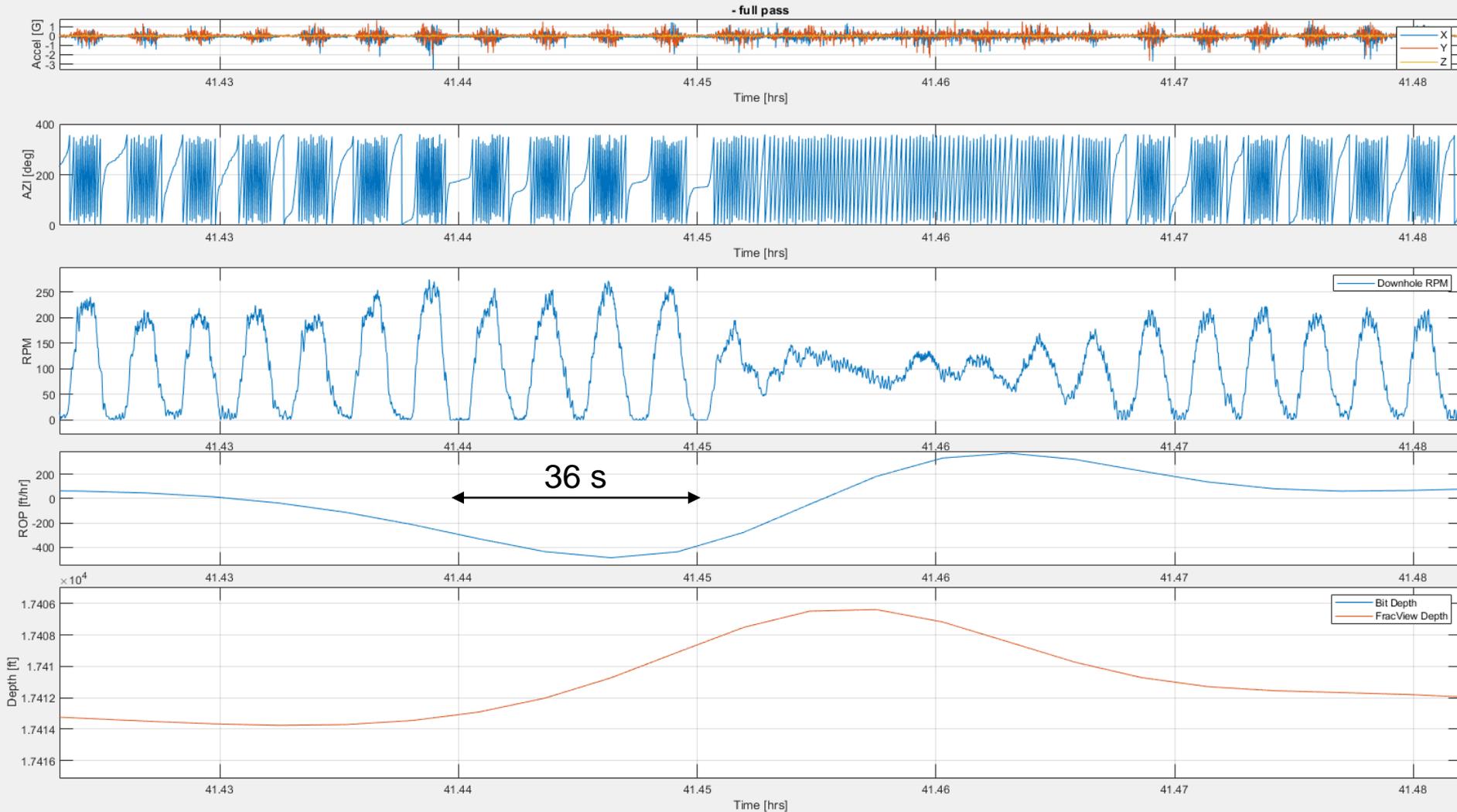


NE_Bogges_13H– Job Summary. Section03. Pass01. Motion Dynamics (zoom in)

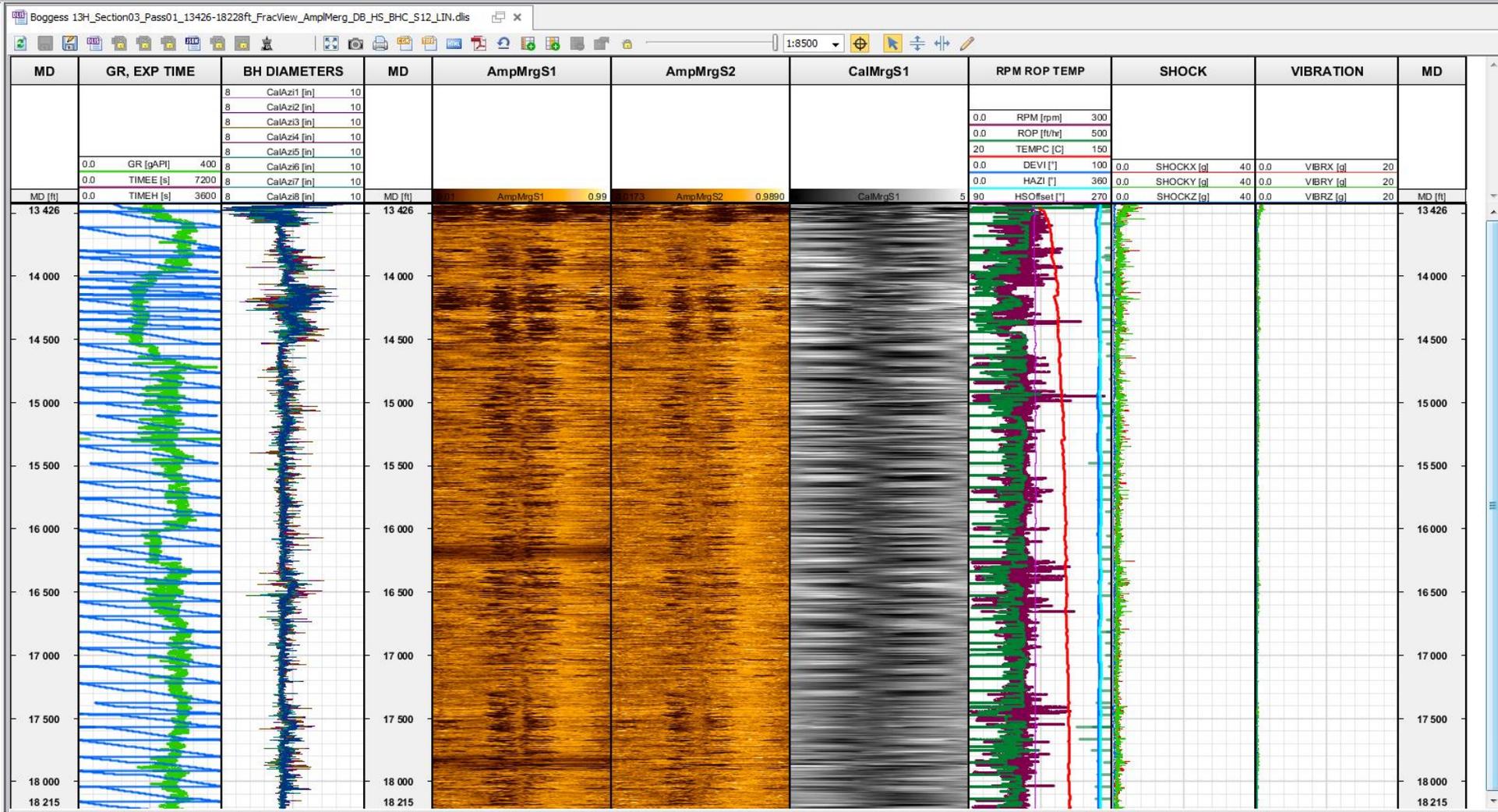


NNE_Boggess_13H– Job Summary.

Section03. Pass01. Motion Dynamics (zoom in)

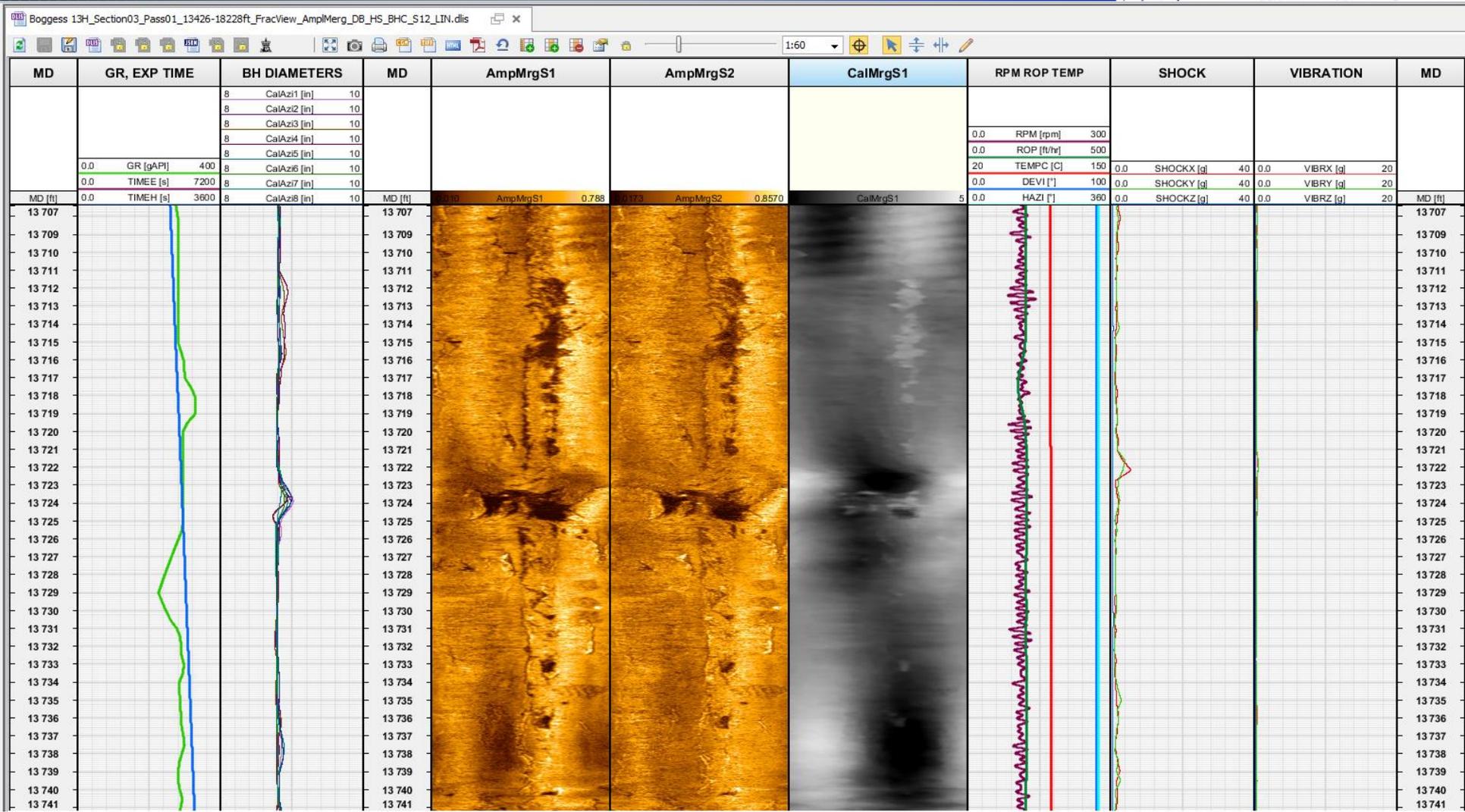


NNE_Bogges_13H– Job Summary. Section03. Pass01. BHC HS S1 vs S2



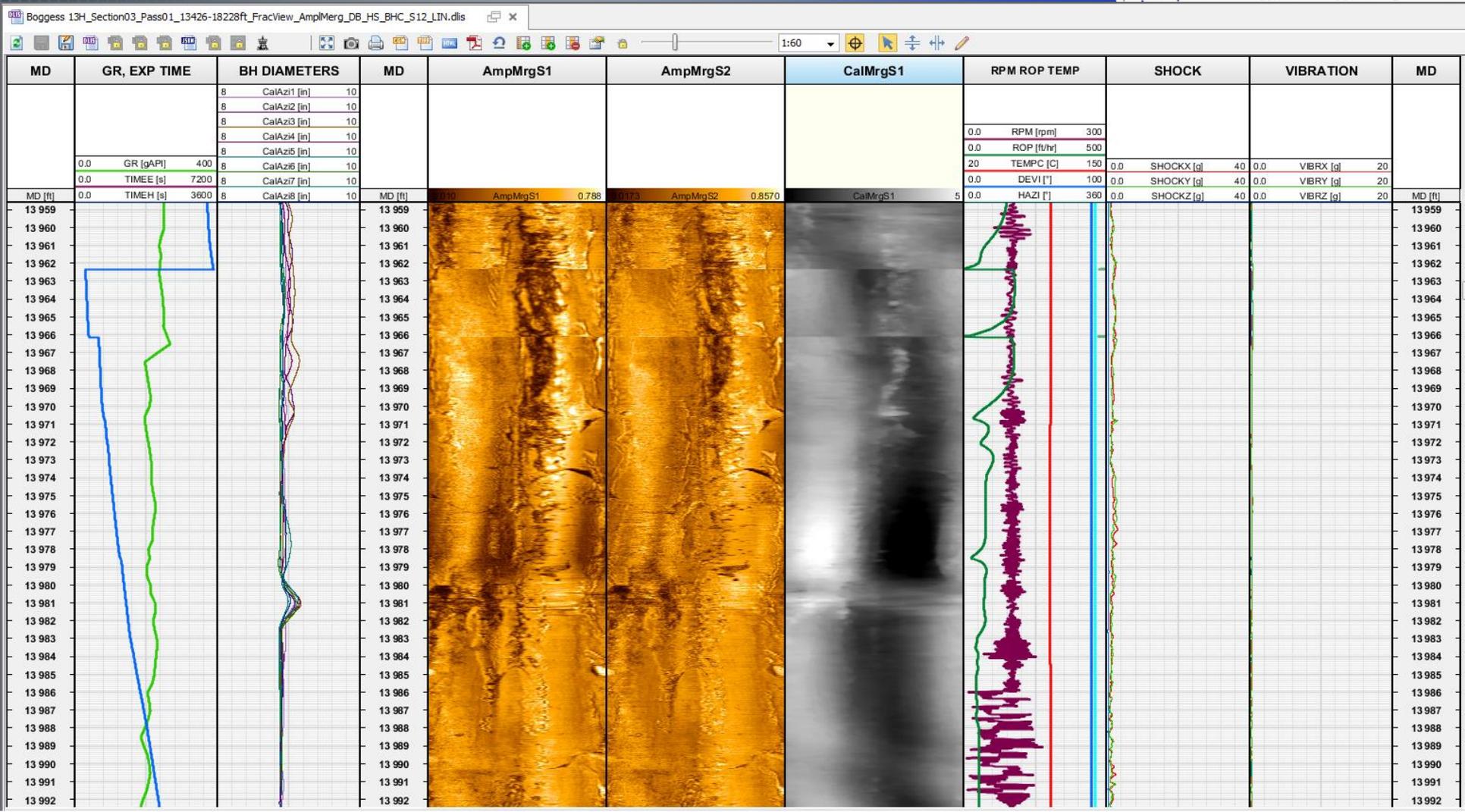
NE_Bogges_13H- Job Summary.

Section03. Pass01. BHC HS S1 vs S2



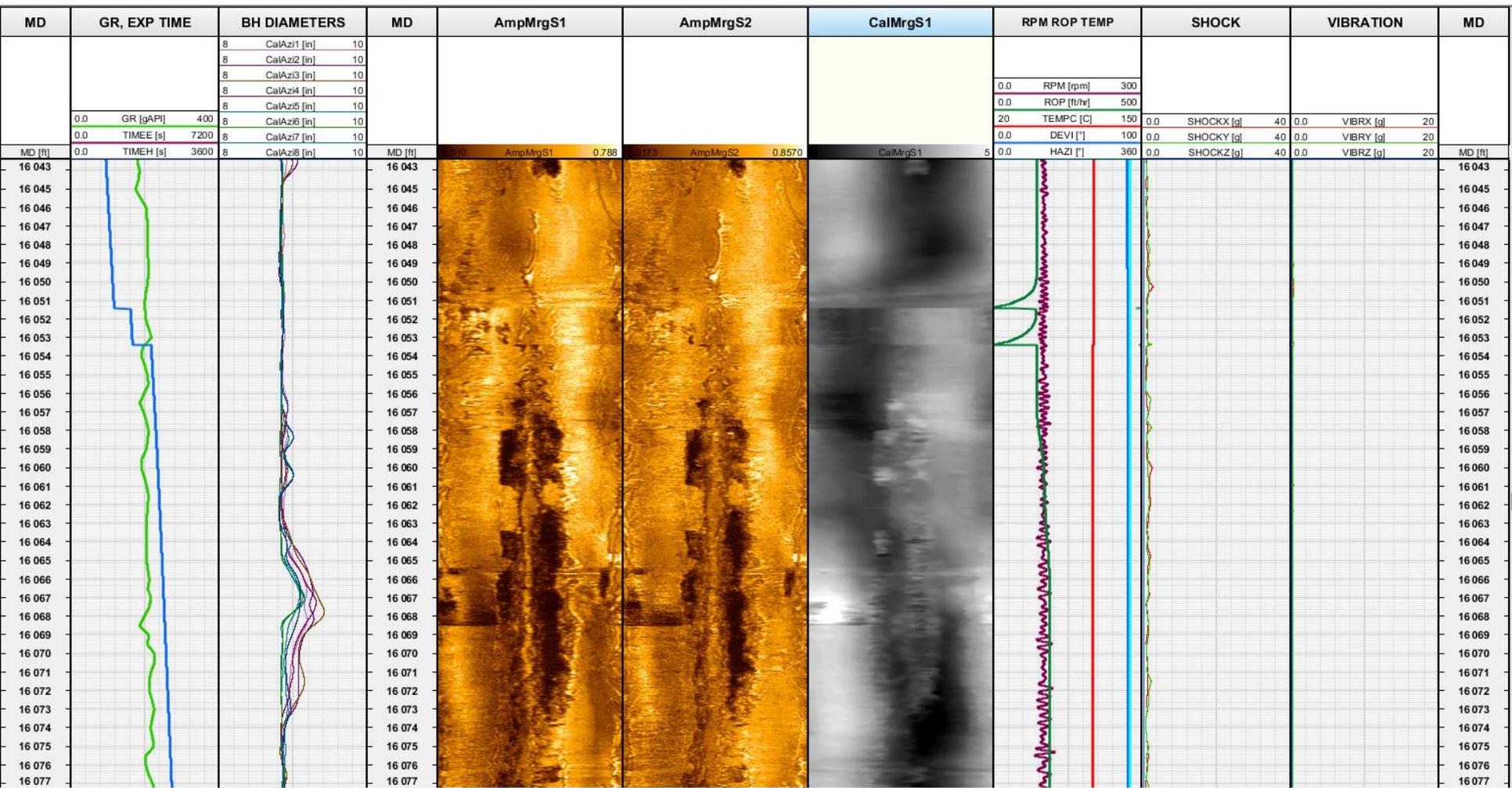
NE_Bogges_13H- Job Summary.

Section03. Pass01. BHC HS S1 vs S2

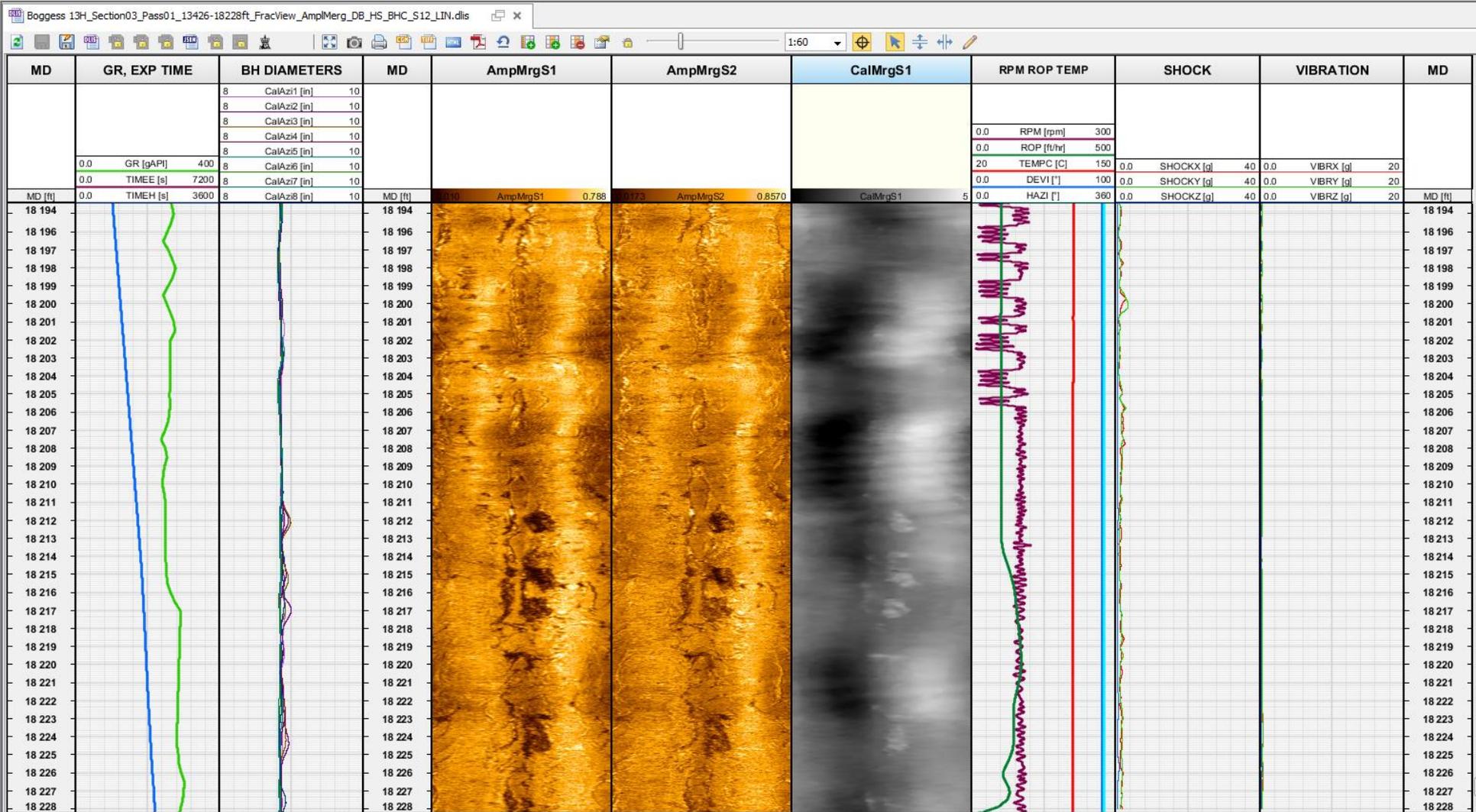


NEE_Bogges_13H- Job Summary.

Section03. Pass01. BHC HS S1 vs S2



NNE_Bogges_13H– Job Summary. Section03. Pass01. BHC HS S1 vs S2



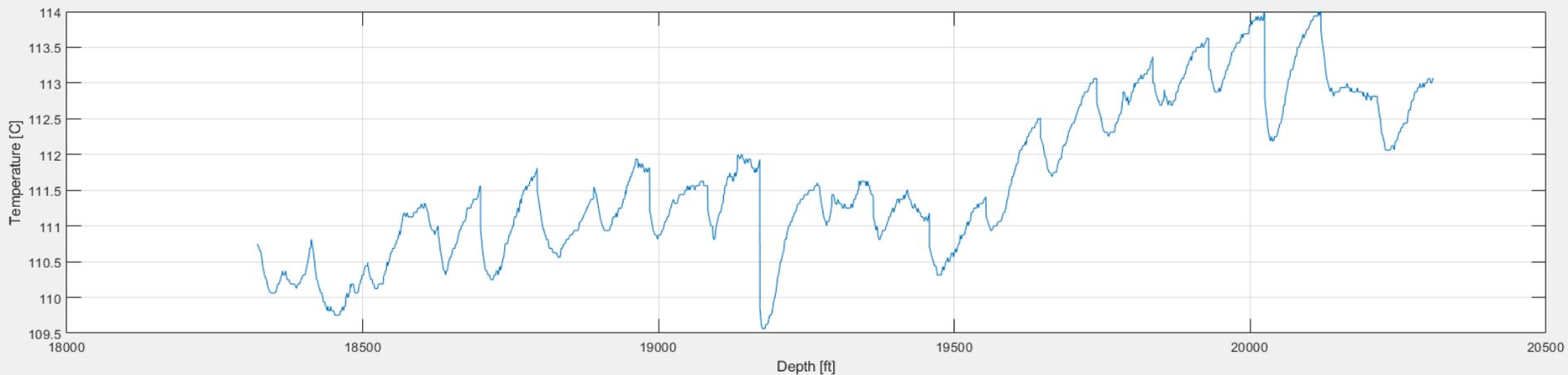
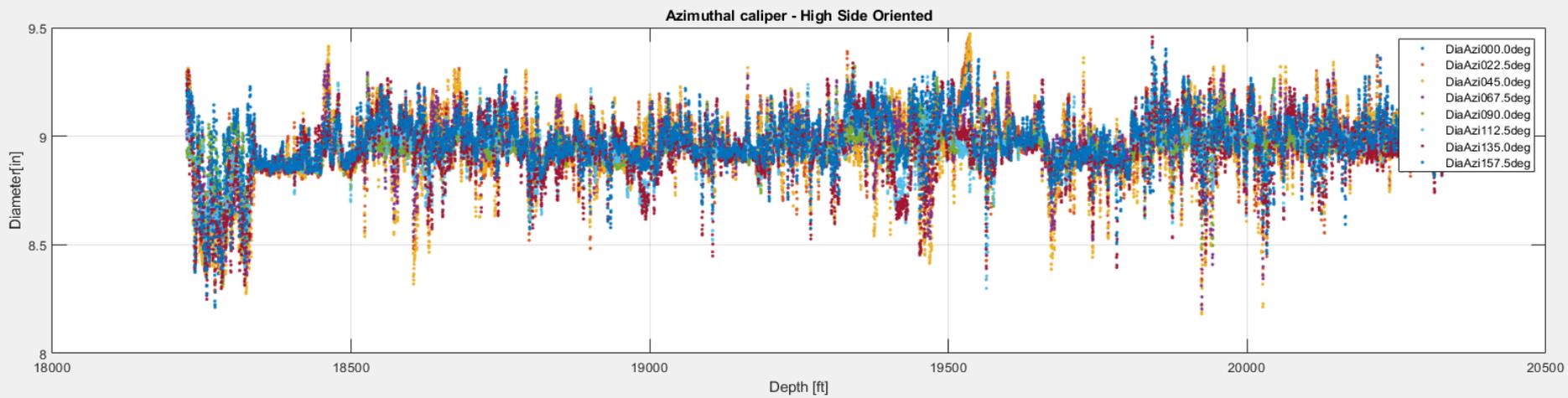
NNE_Boggess_13H– Job Summary.

Section 03. Pass02 (drill, lateral)

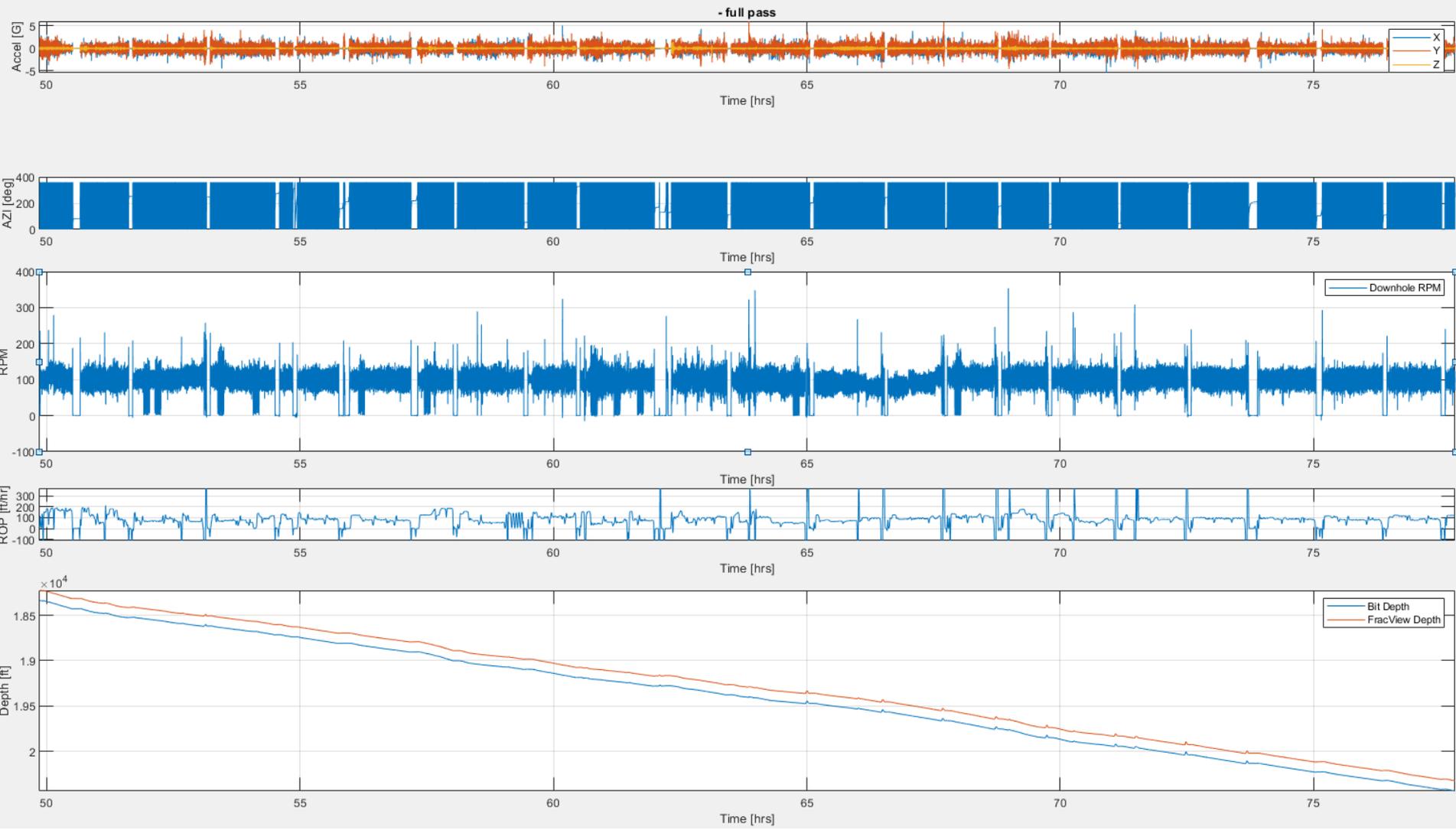


- **FV Sensor at 18,225 – 20,328 ft**
- **FV Sensor to Bit Distance ~ 111.8 ft**
- **Occasional Stick-Slip**

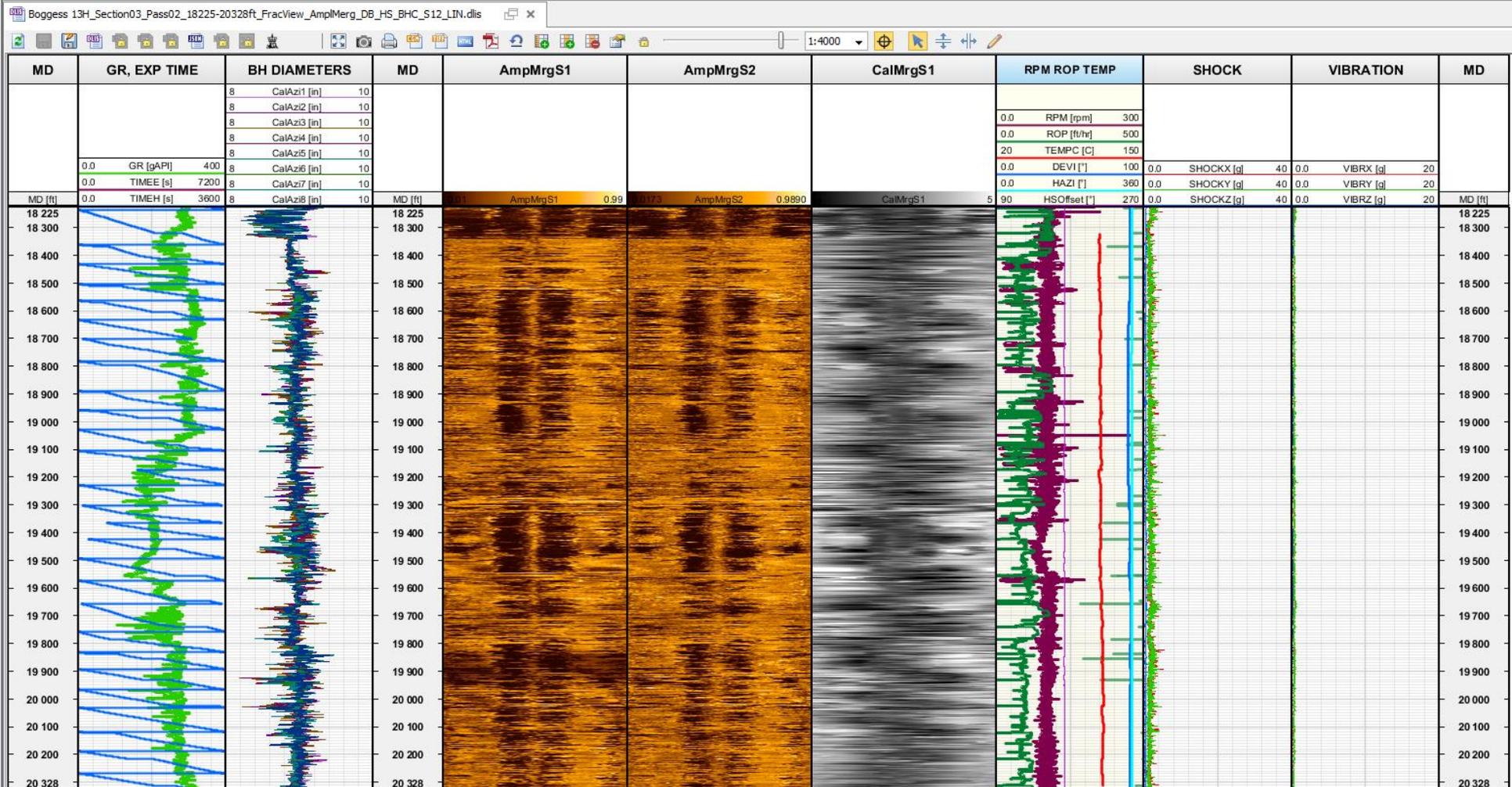
NNE_Boggess_13H– Job Summary. Section03. Pass02. Azimuthal Calipers.



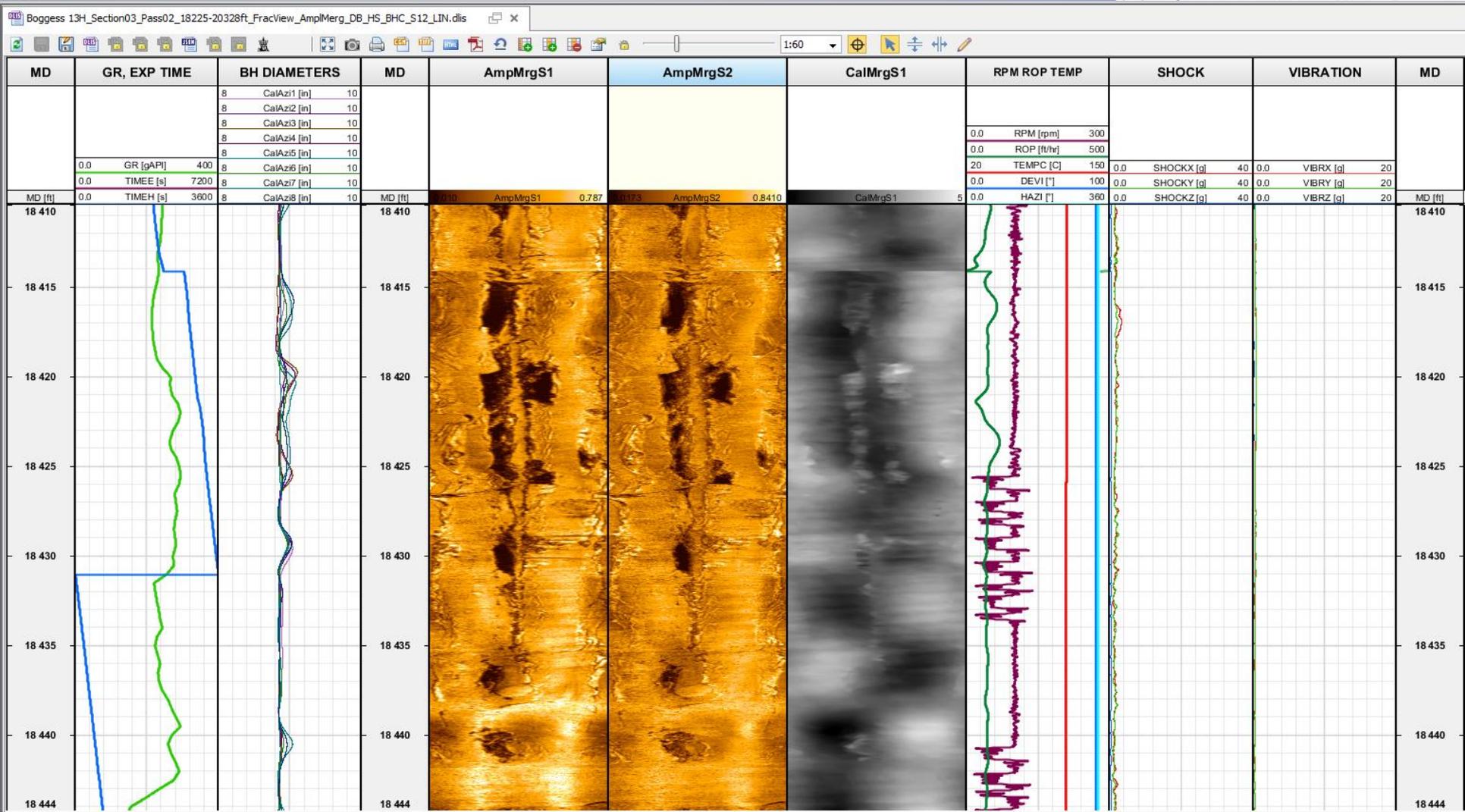
NE_Bogges_13H- Job Summary. Section03. Pass02. Motion Dynamics.



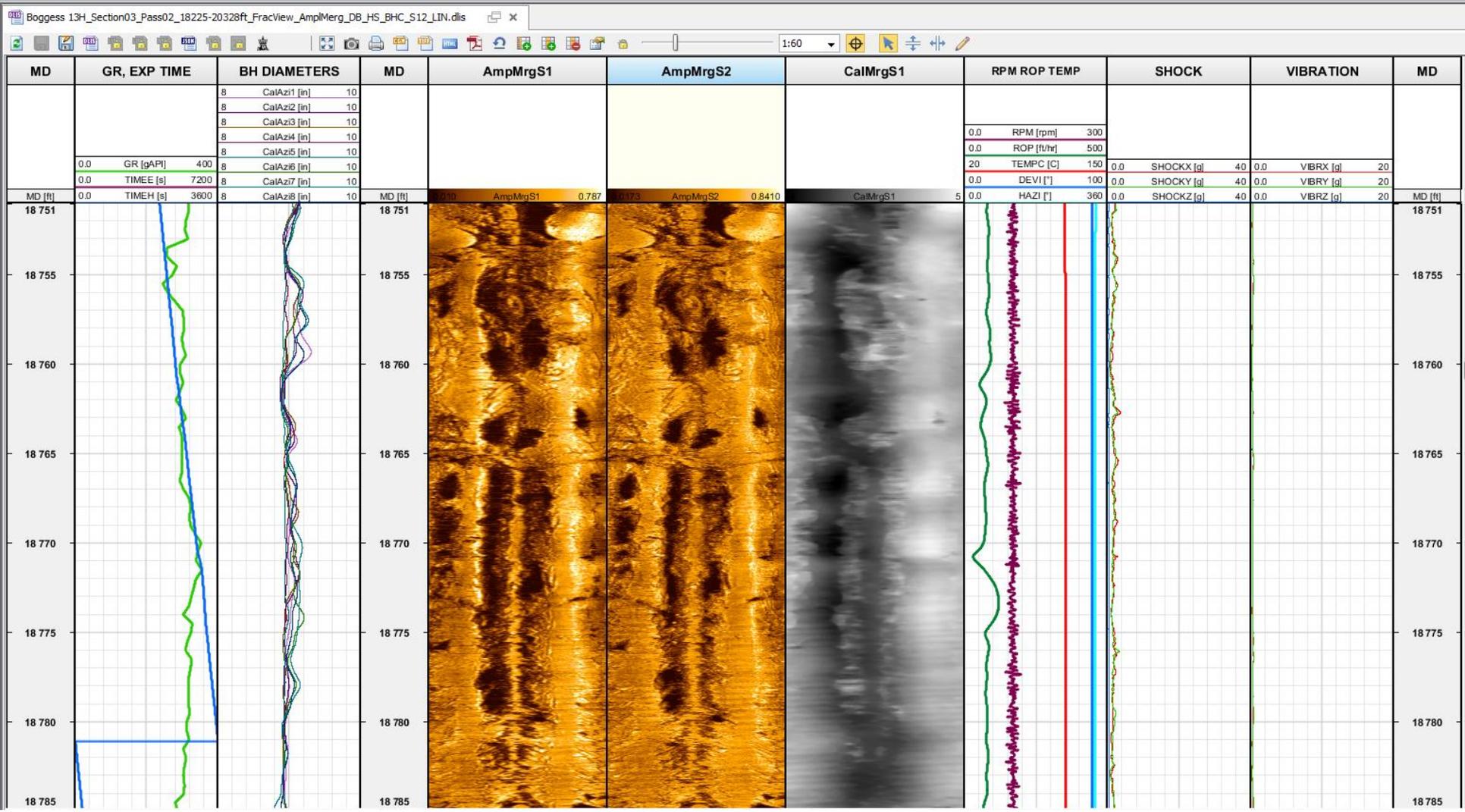
NNE_Bogges_13H– Job Summary. Section03. Pass02. BHC HS S1 vs S2



NE_Boggess_13H– Job Summary. Section03. Pass02. BHC HS S1 vs S2

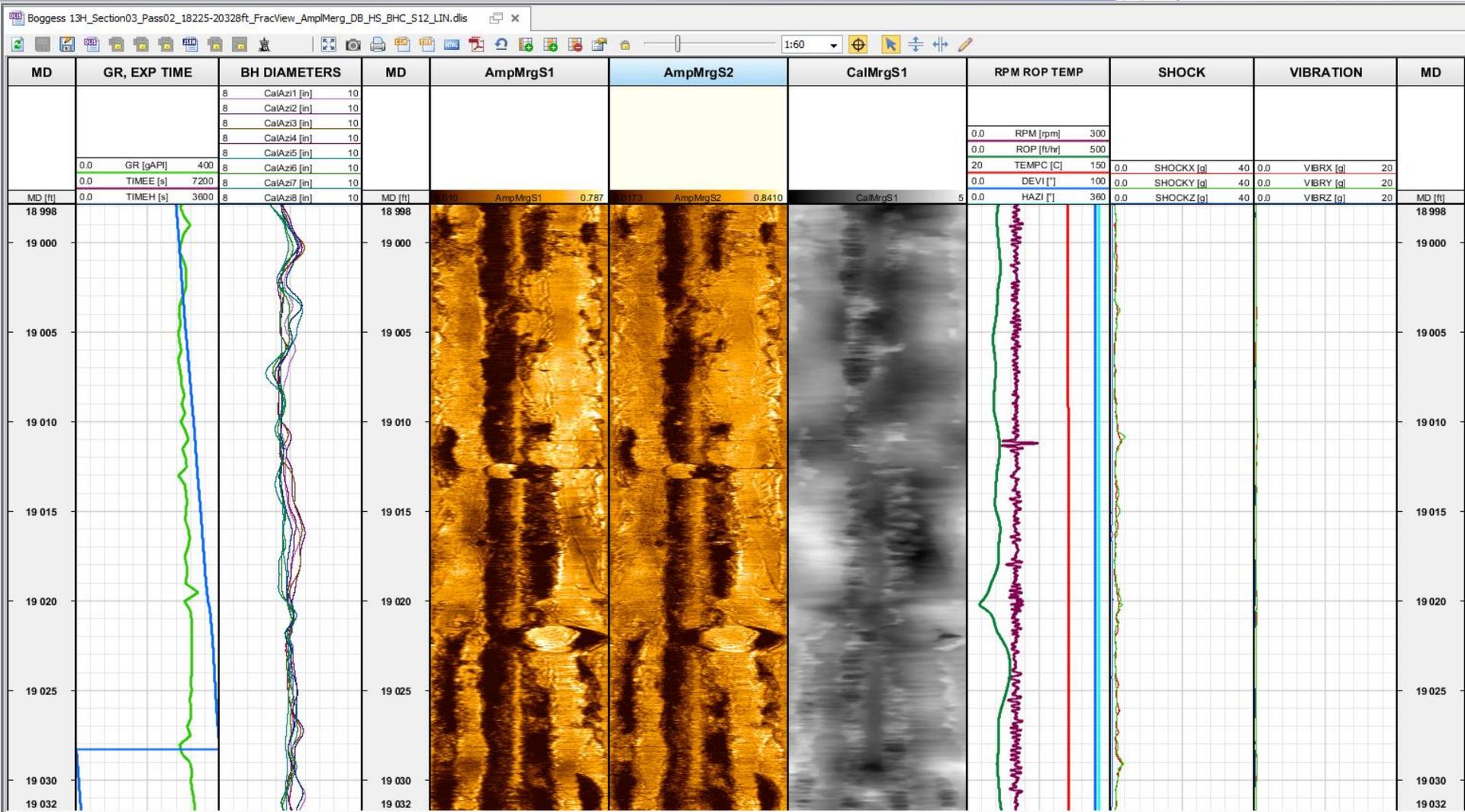


NE_Bogges_13H– Job Summary. Section03. Pass02. BHC HS S1 vs S2

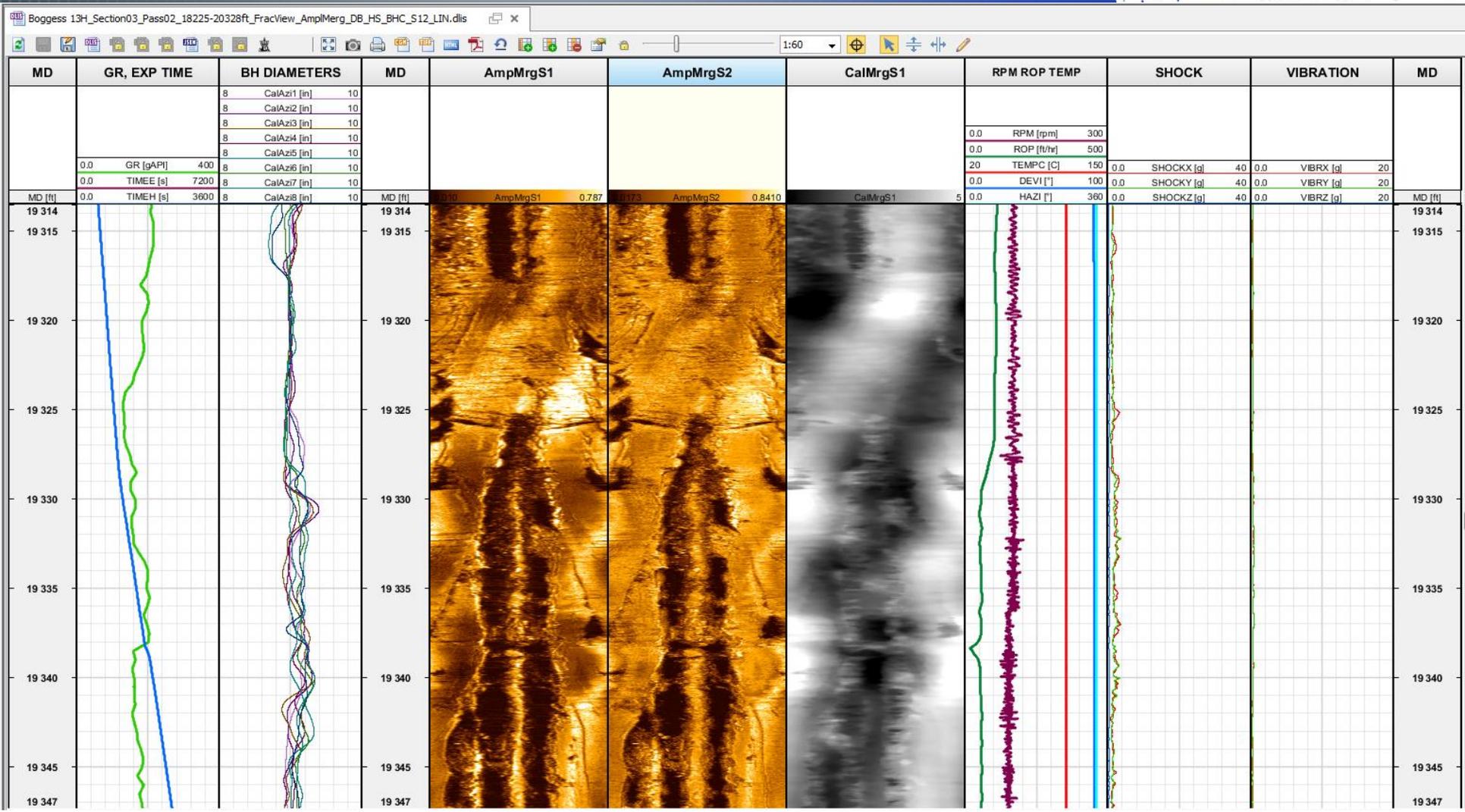


NEE_Boggess_13H– Job Summary.

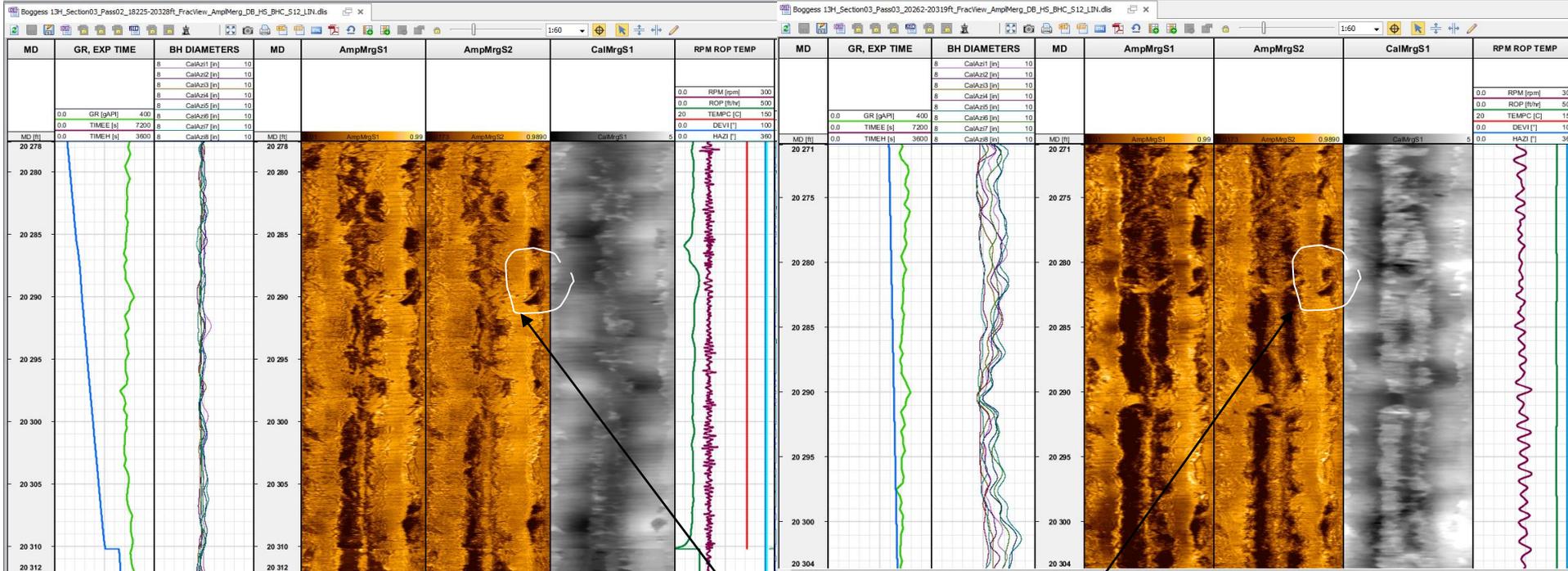
Section03. Pass02. BHC HS S1 vs S2



NNE_Boggess_13H– Job Summary. Section03. Pass02. BHC HS S1 vs S2



NE_Bogges_13H- Job Summary. Section03. Pass03 vs Pass02



Pass02 (drill)

Pass03 (wipe down)

Shift ~6ft



Thank You