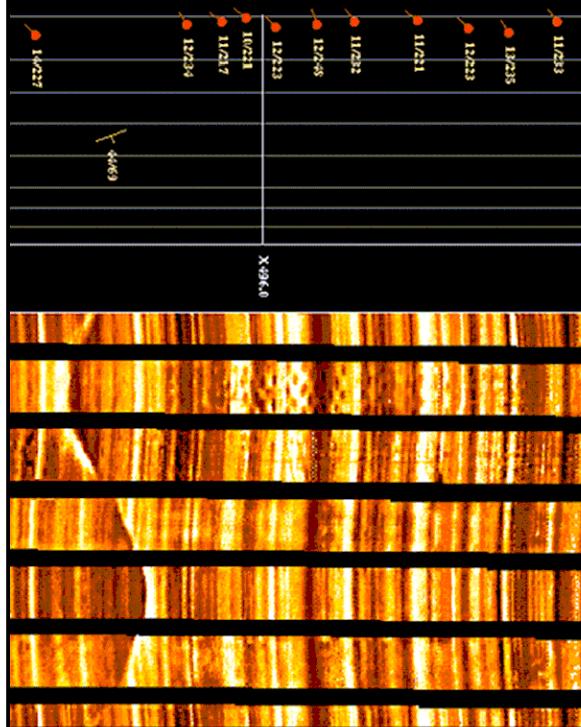


Borehole Image Processing & Interpretation



**BAKER
HUGHES**
a GE company



STAR RESISTIVITY IMAGING LOG [®]

COMPANY HOLLY FRONTIER - NAVAJO

WELL NAVAJO REFINING WDW #4

FIELD ARTESIA

COUNTY EDDY STATE NEW MEXICO

LOCATION: SEE REMARKS

LAT 32.81581400 LONG -104.25003400

ELEVATIONS:

KB 3585.8 FT DF 3584.8 FT GL 3565.8 FT

DATE 03-JUL-2018 ECC OH134542

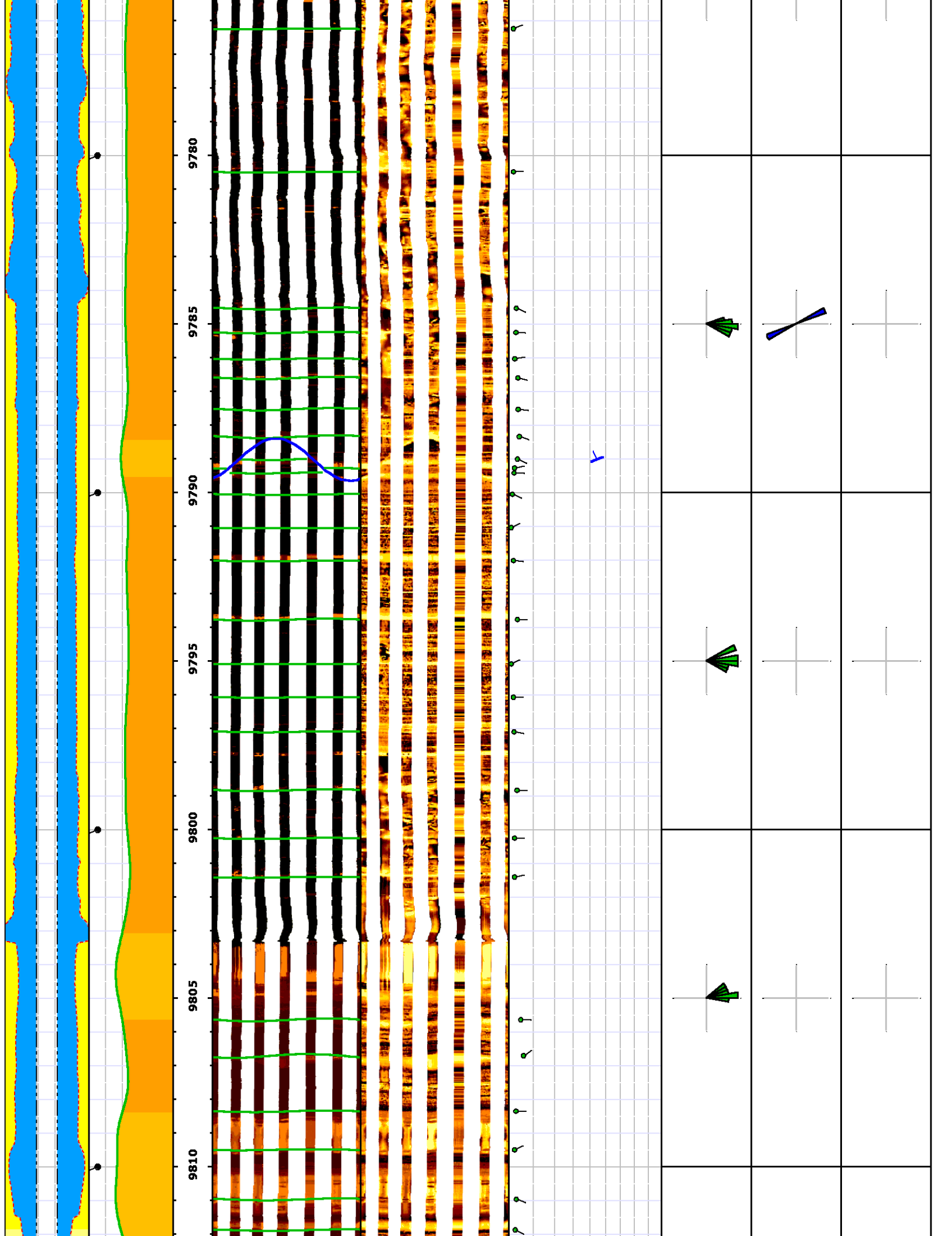
IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE THE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT. BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL 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.

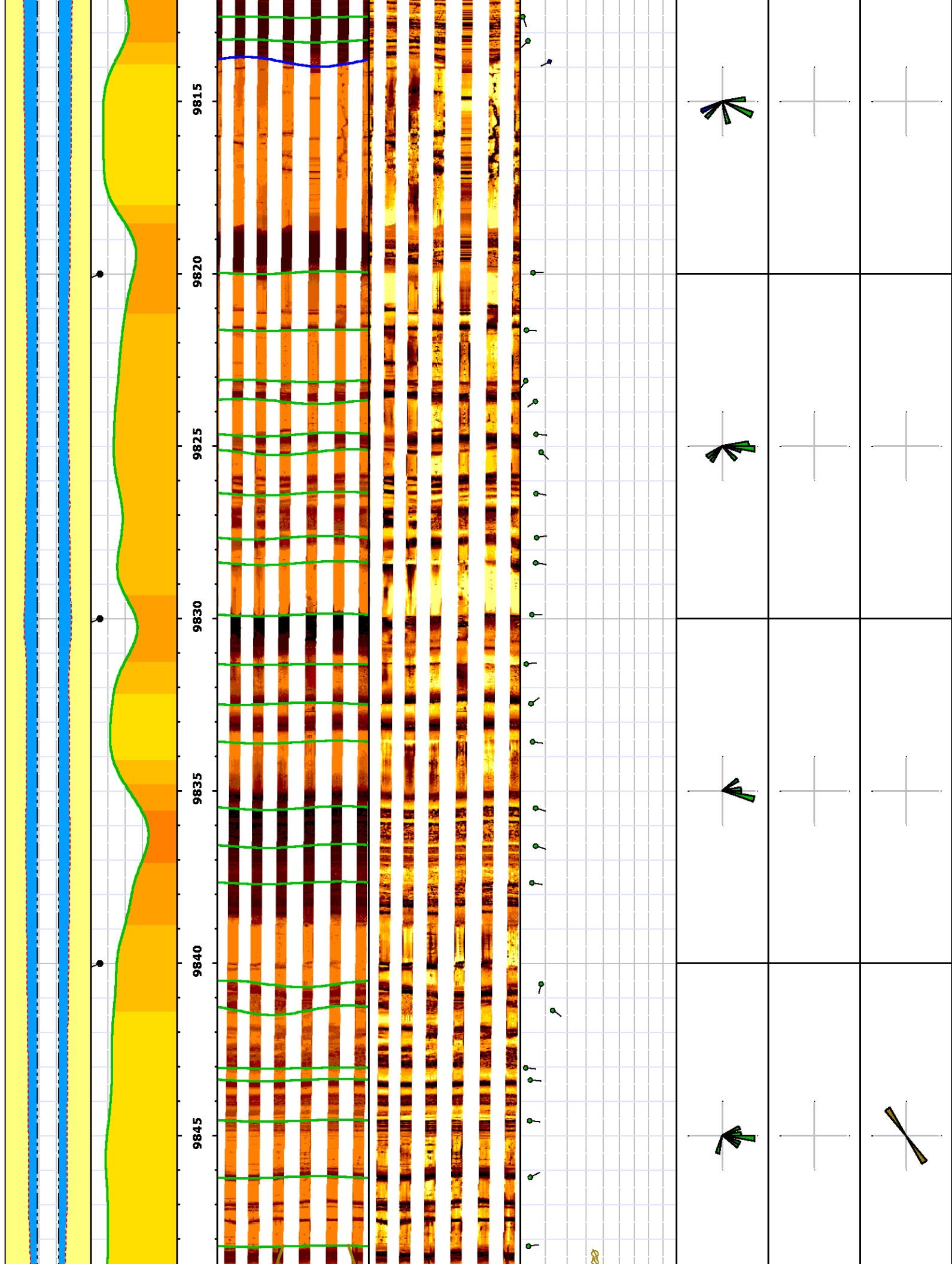
REMARKS

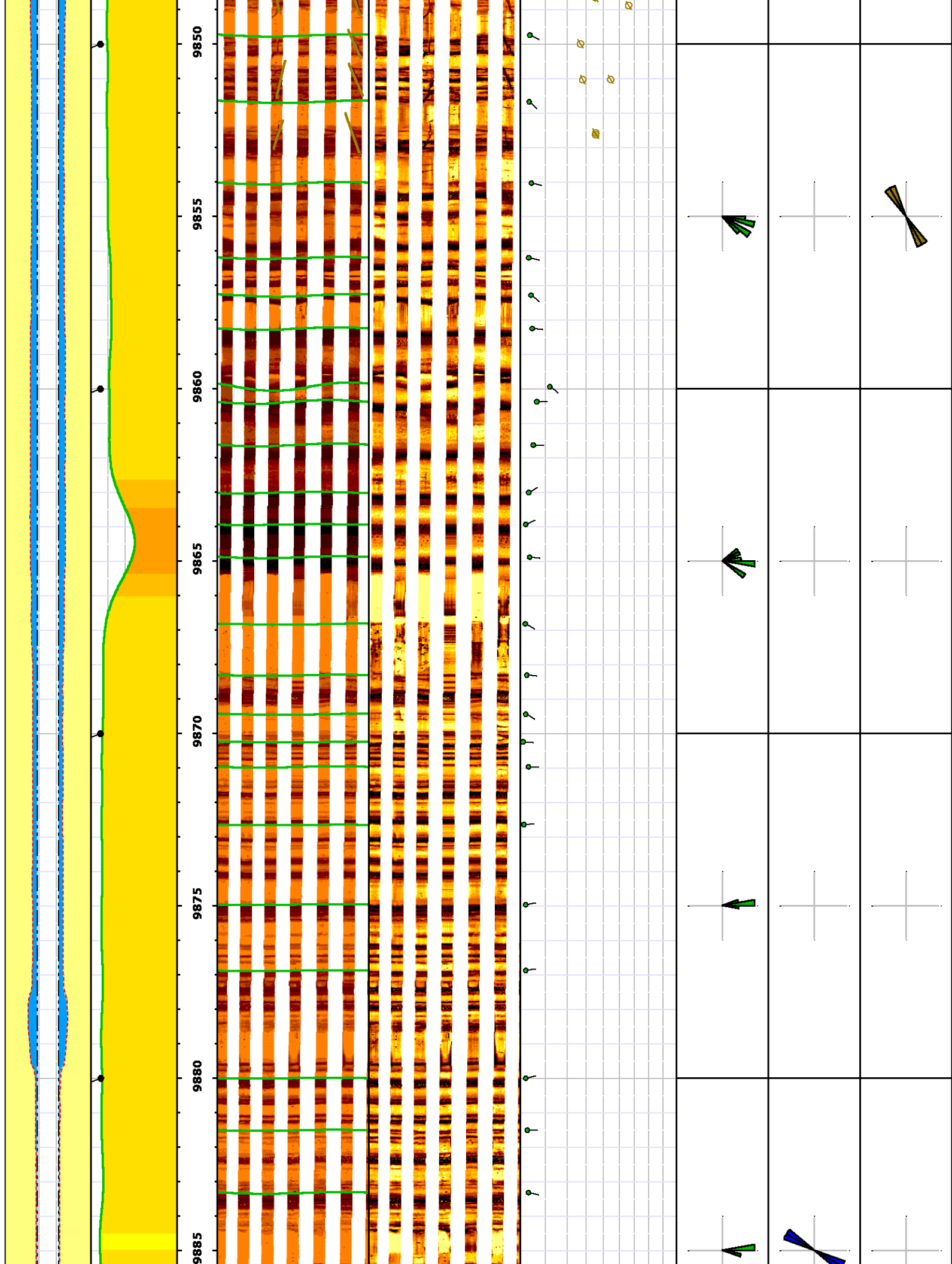
LOCATION:
1217' FSL & 2443' FWL
SECTION 23, T 17S, R27E
N.M.P.M. SURVEY

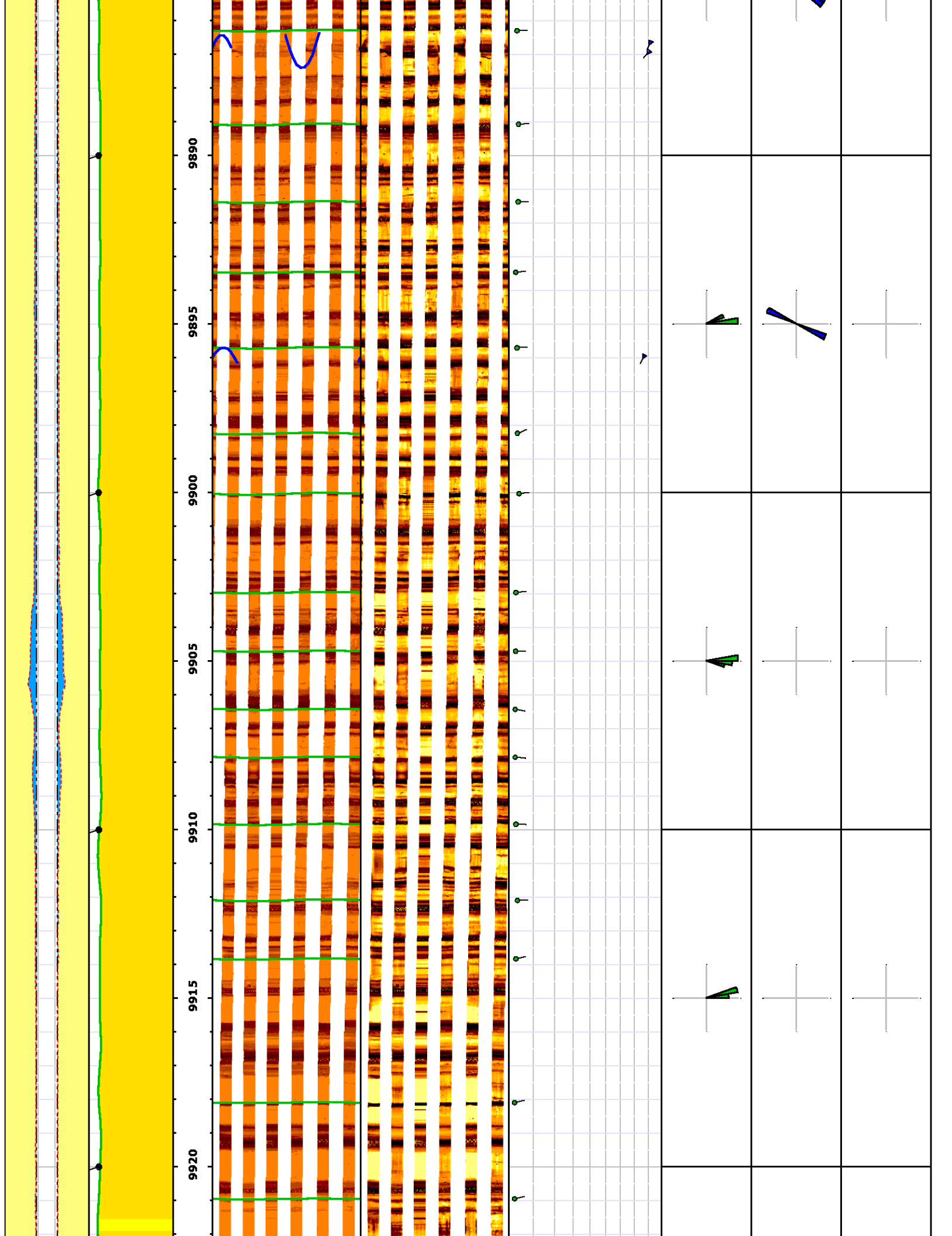
DATA MAYBE UNRELIABLE IN AREAS OF TENSION PULLS
IMAGE ORIENTED TO NORTH
MAGNETIC DECLINATION APPLIED: 7.29 DEGREES
W. PALMER

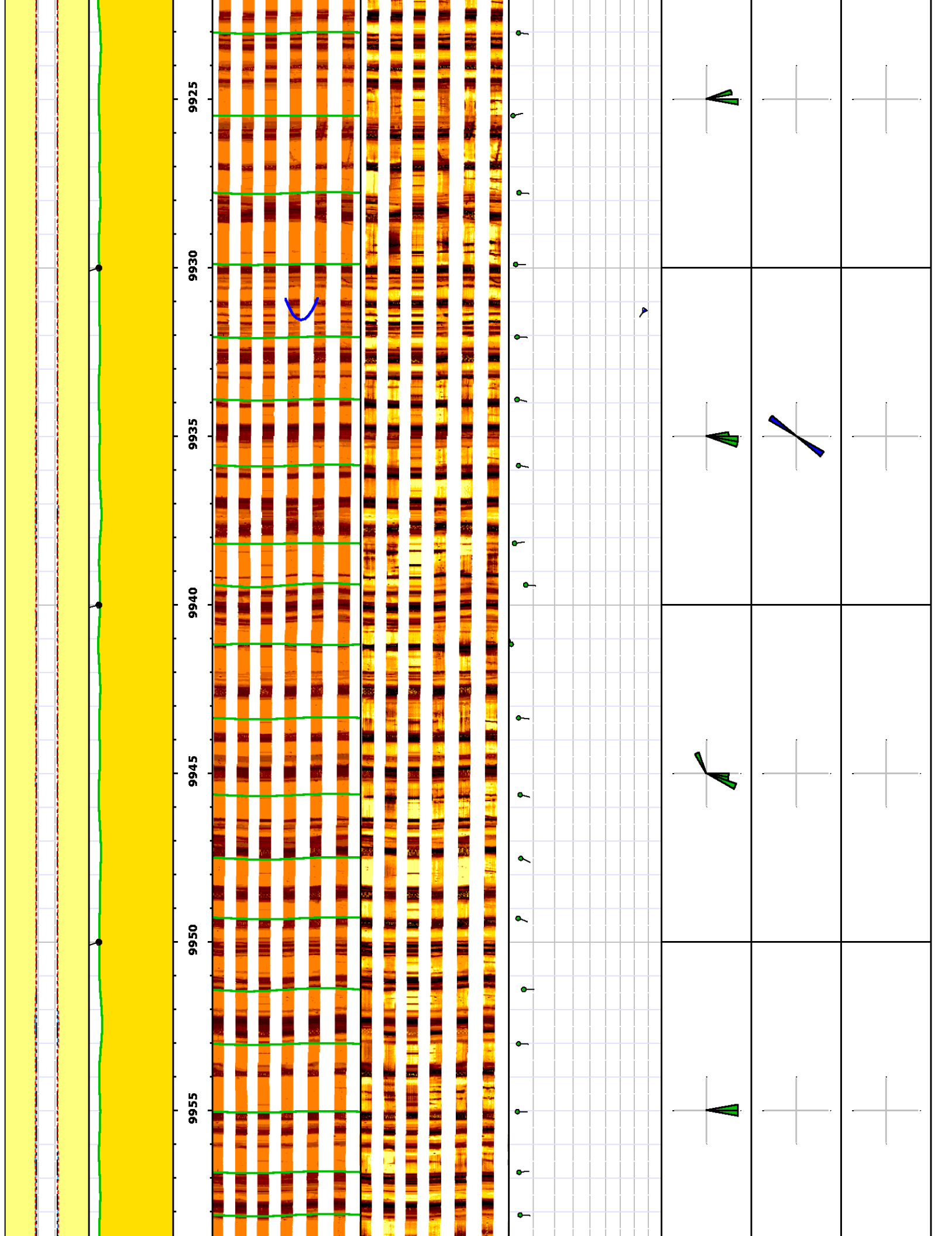
STAR CALIPER	GAMMA RAY	DEPTH	STAR STATIC	STAR DYNAMIC	MANUAL PICKS	BEDDING FEATURES	NATURAL FRACTURES	DRILLING INDUCED FRACTURES
UNDER GAUG								

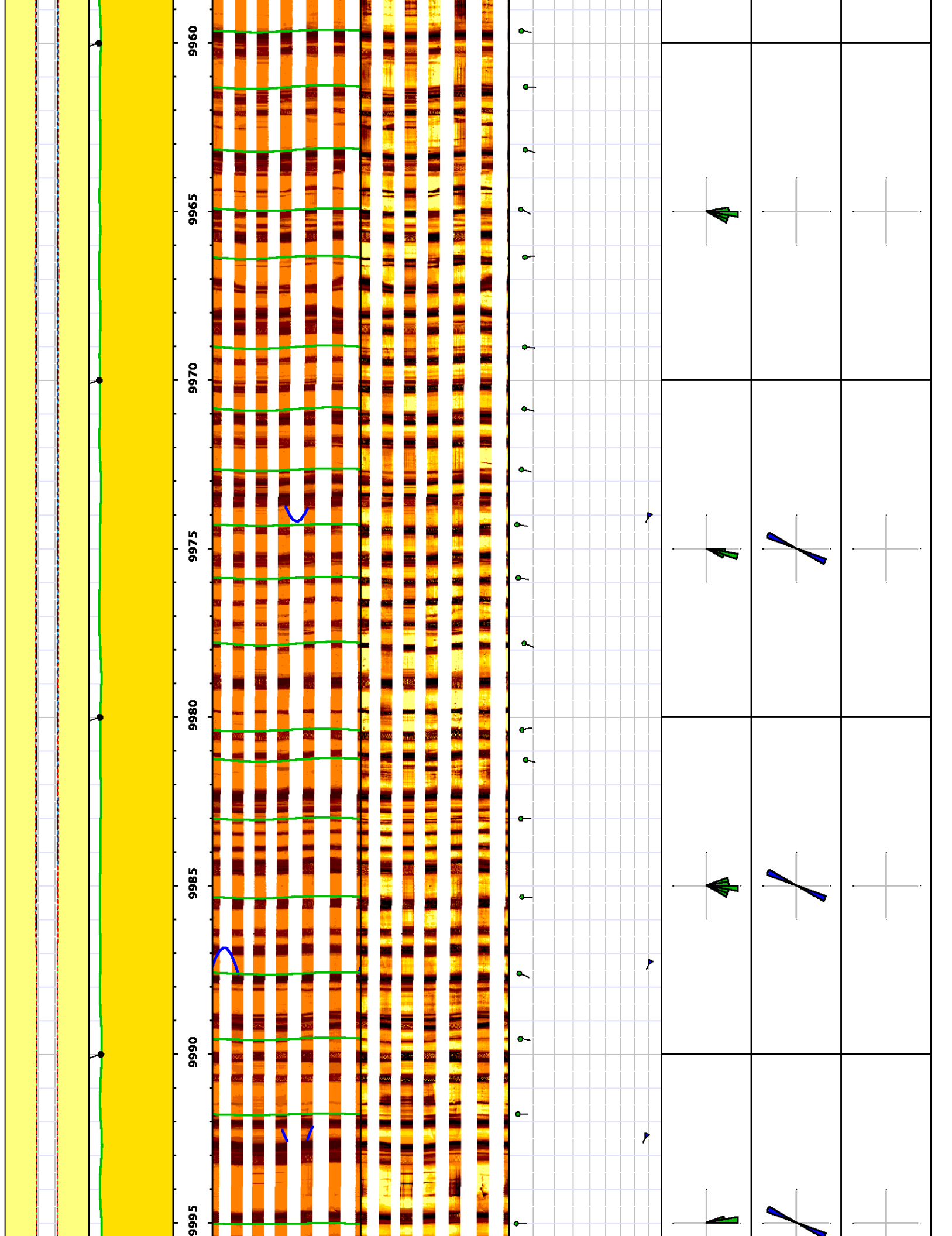


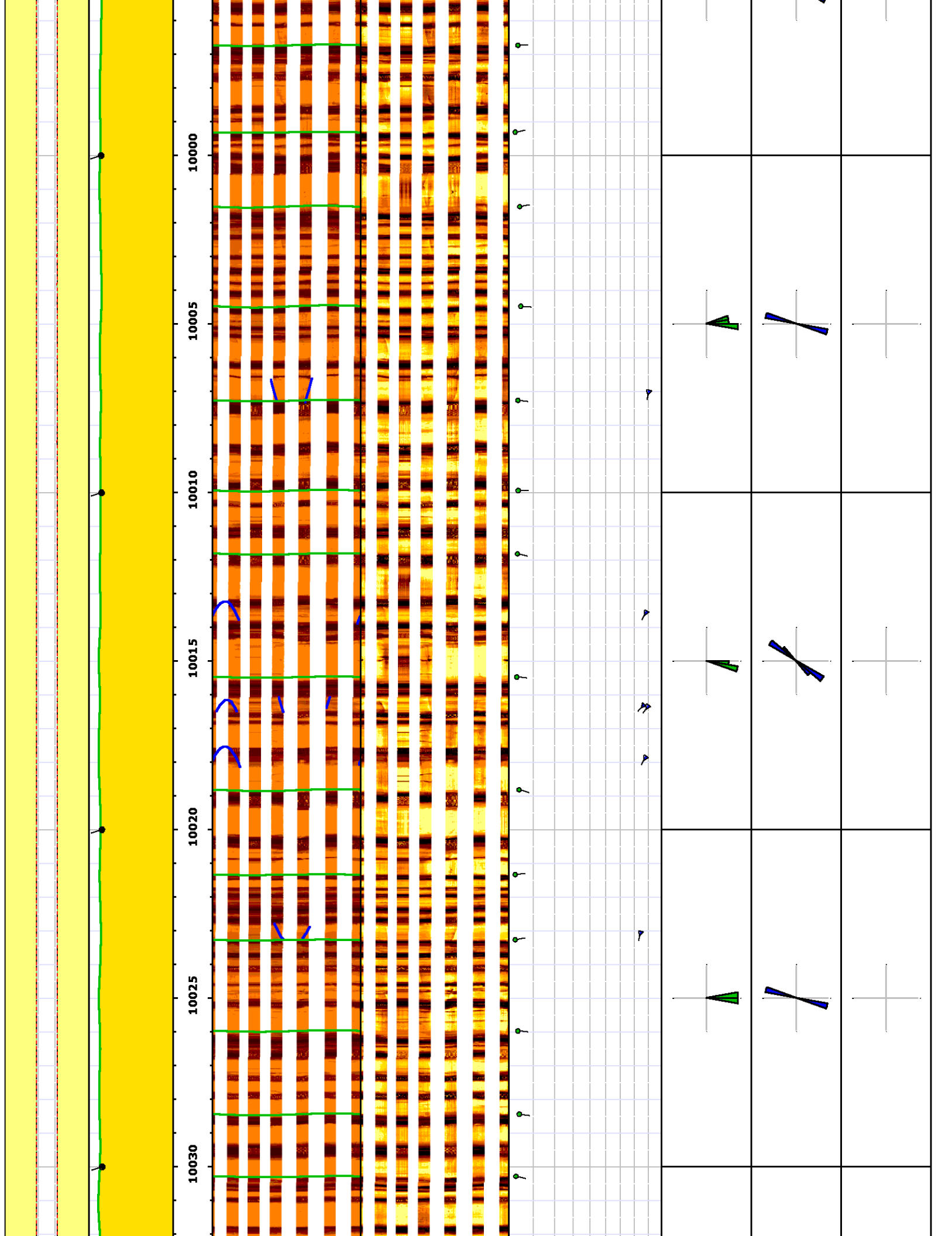


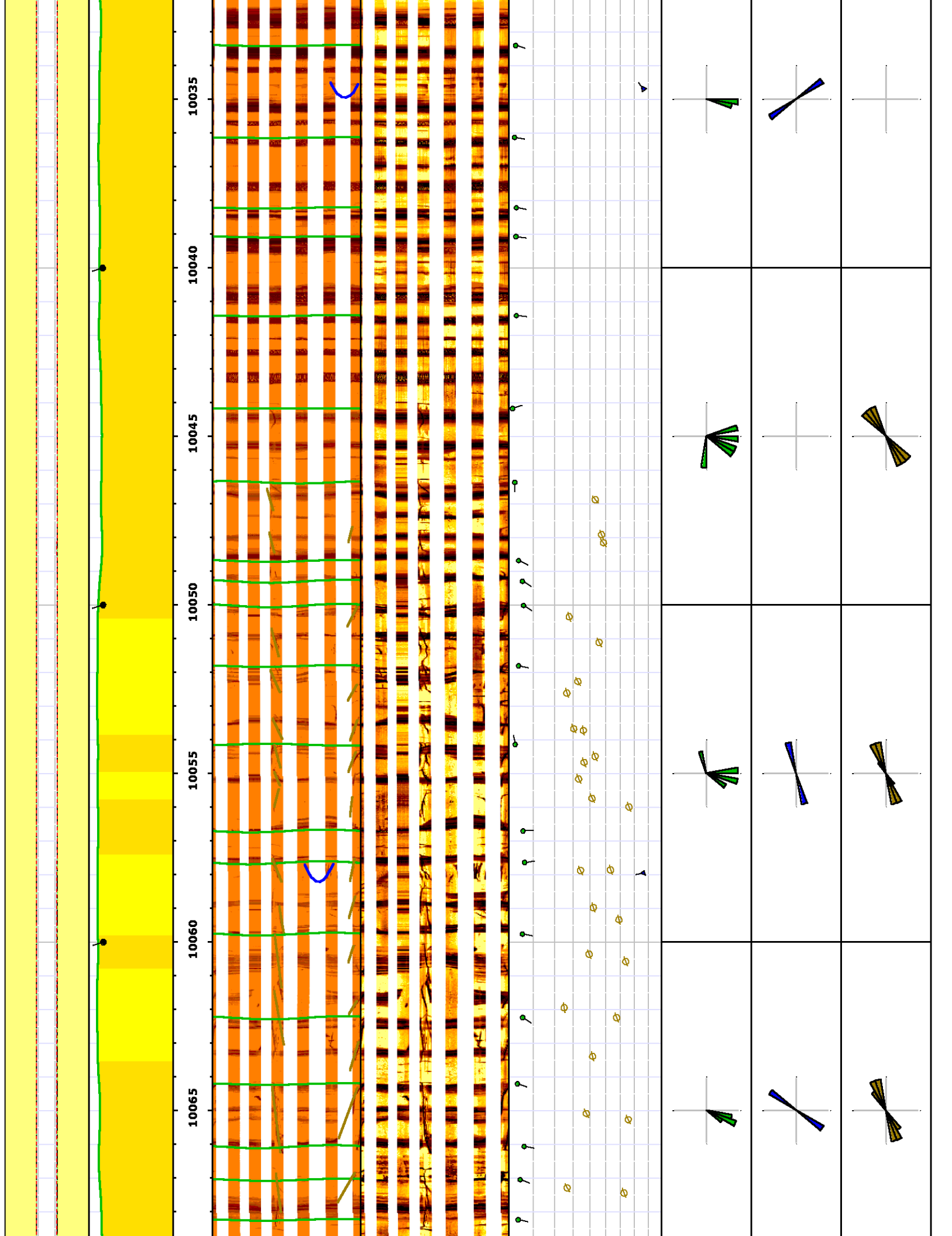


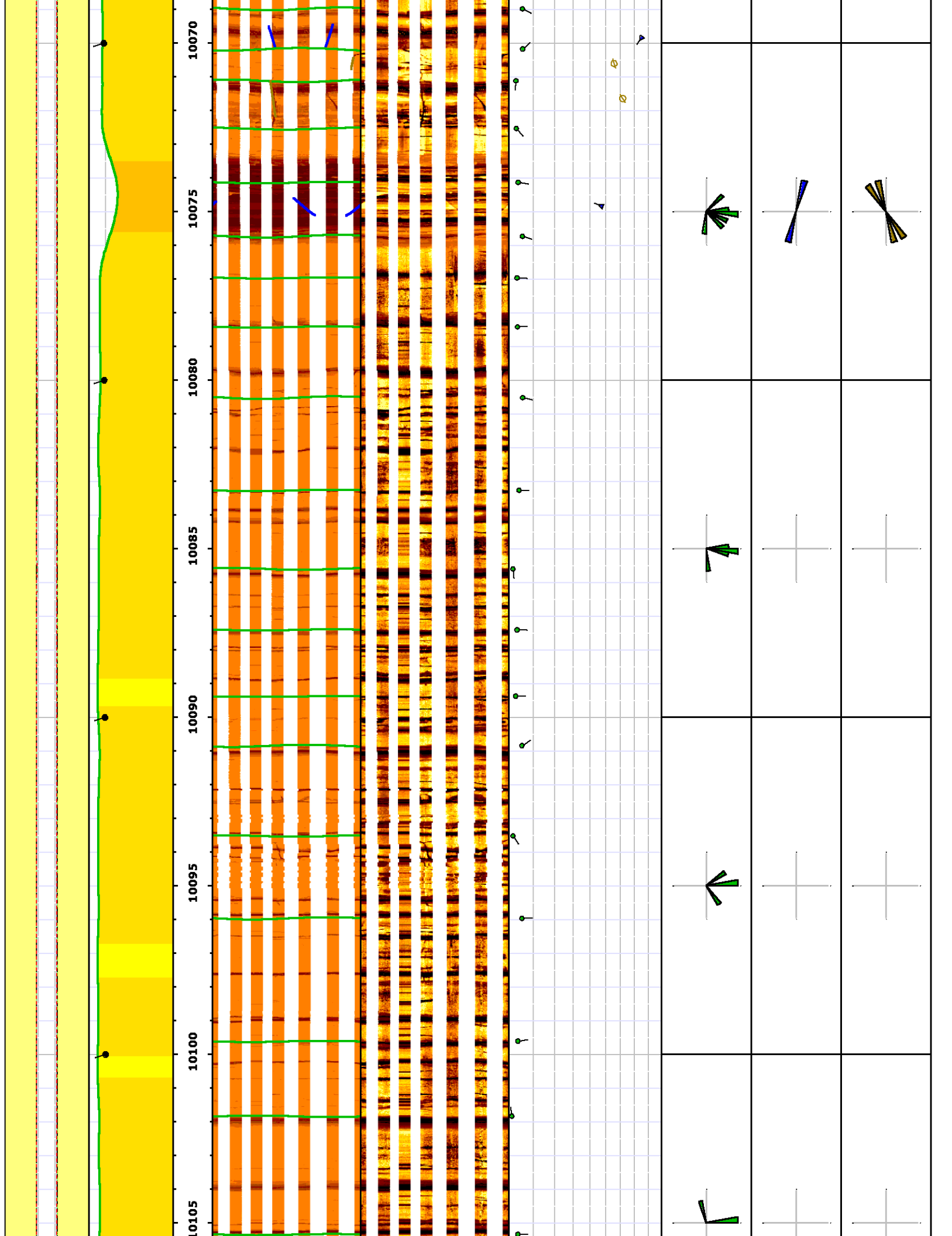


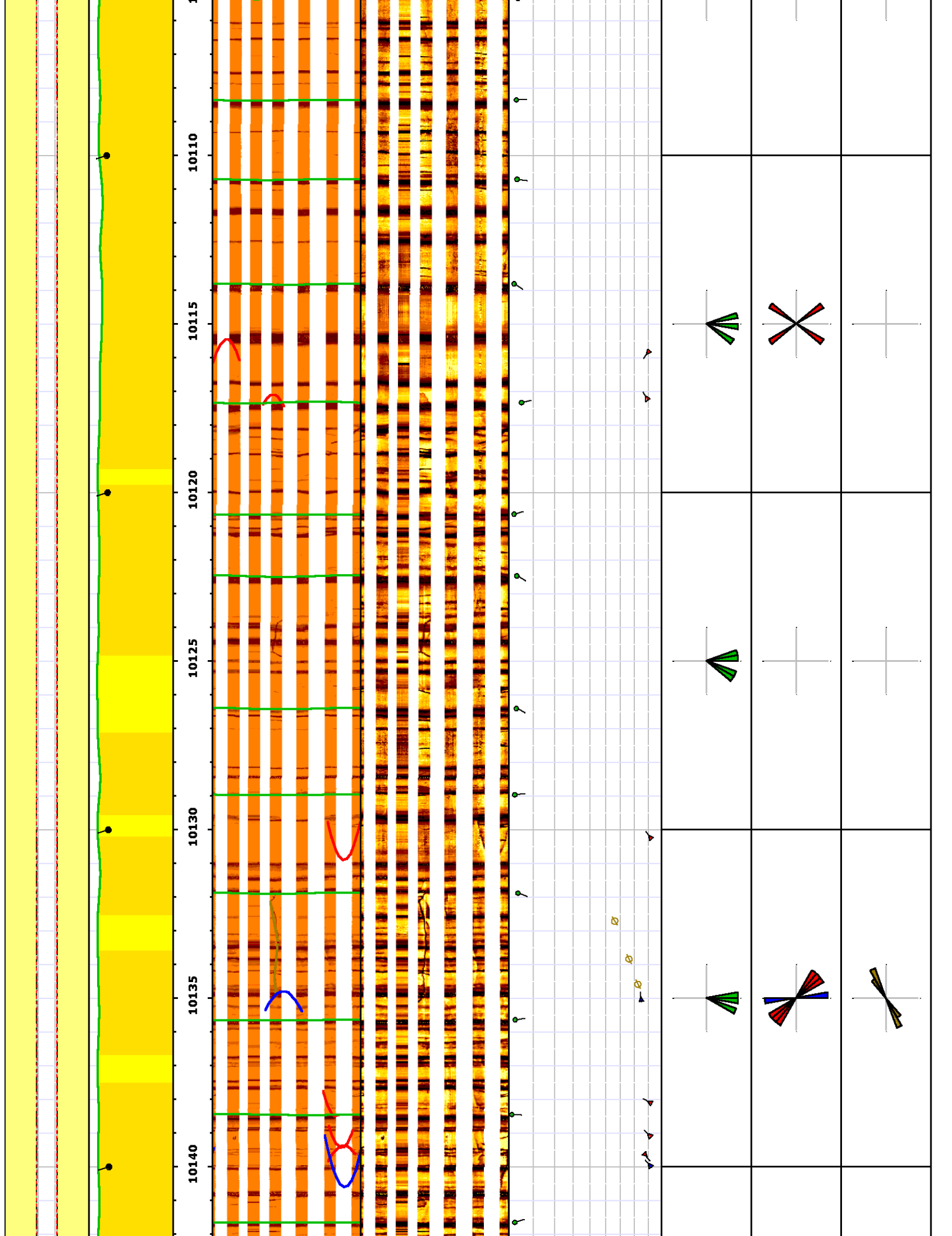


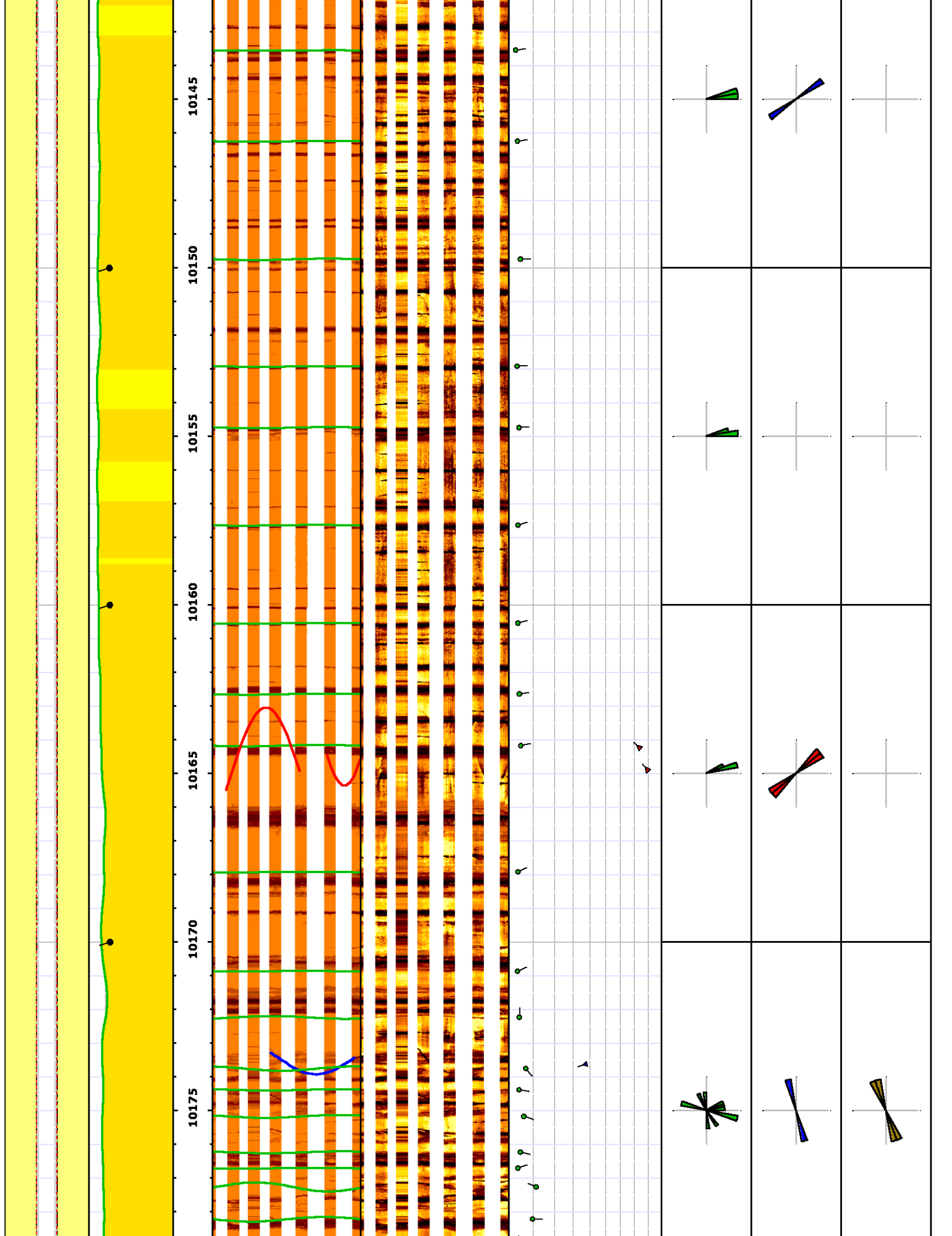


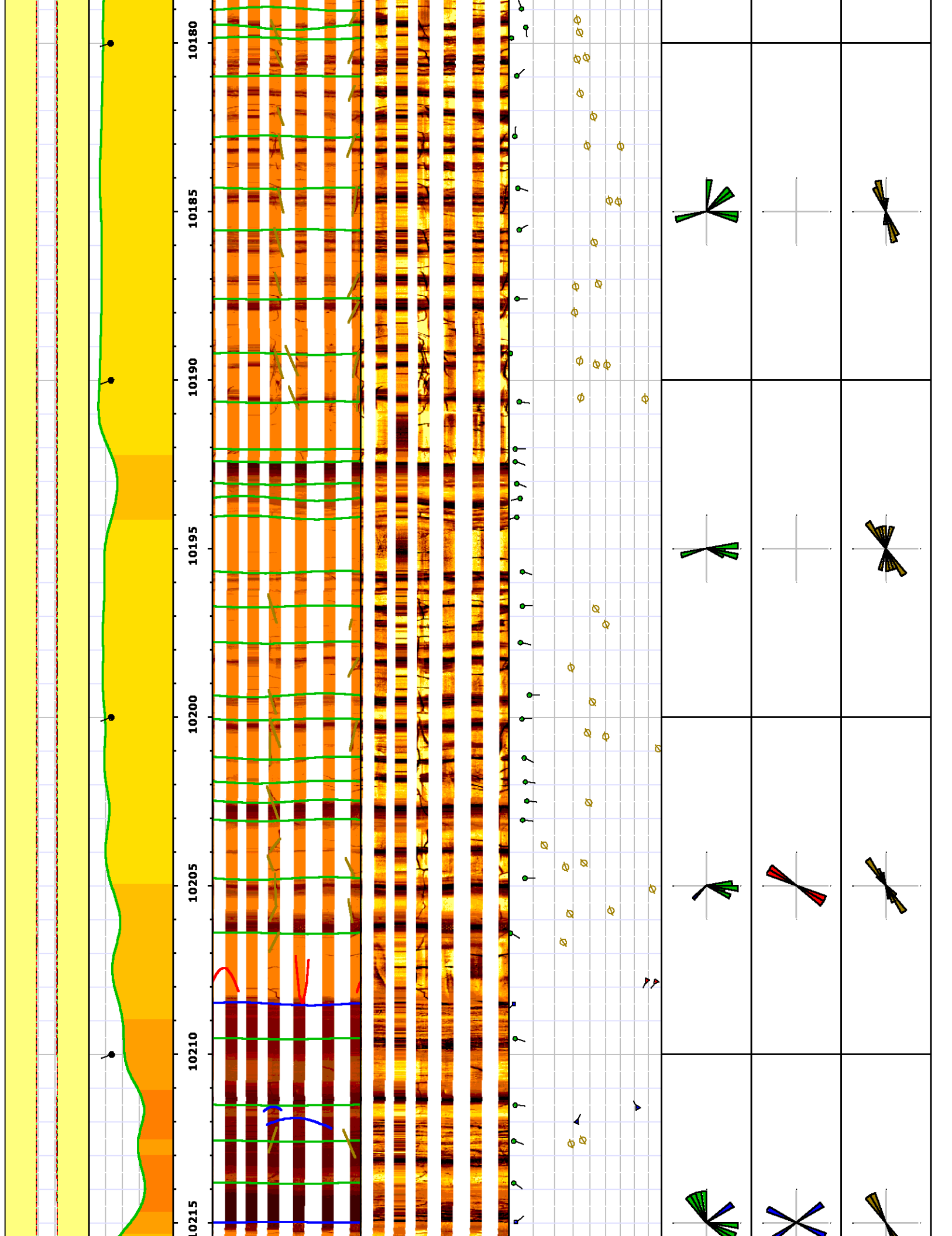


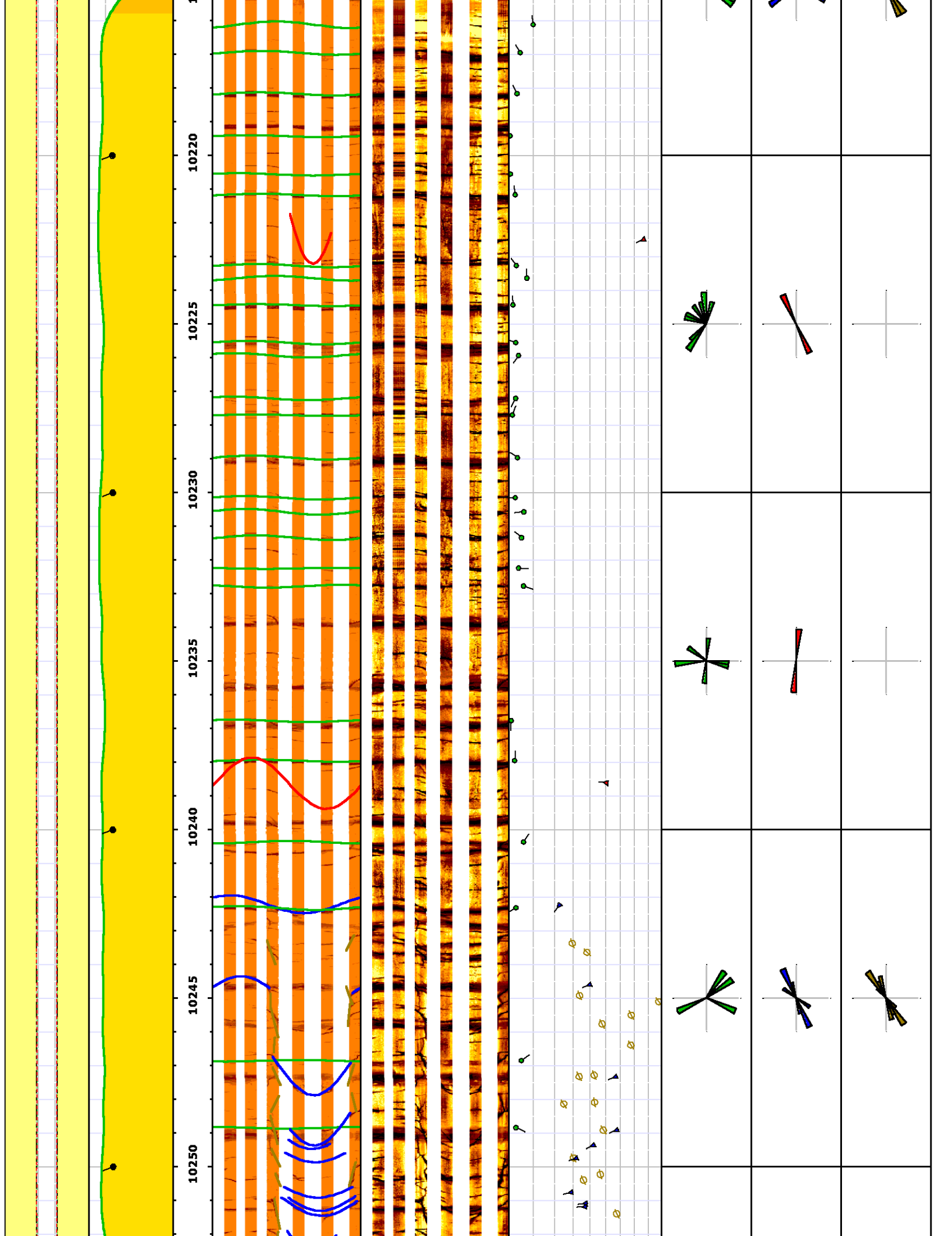


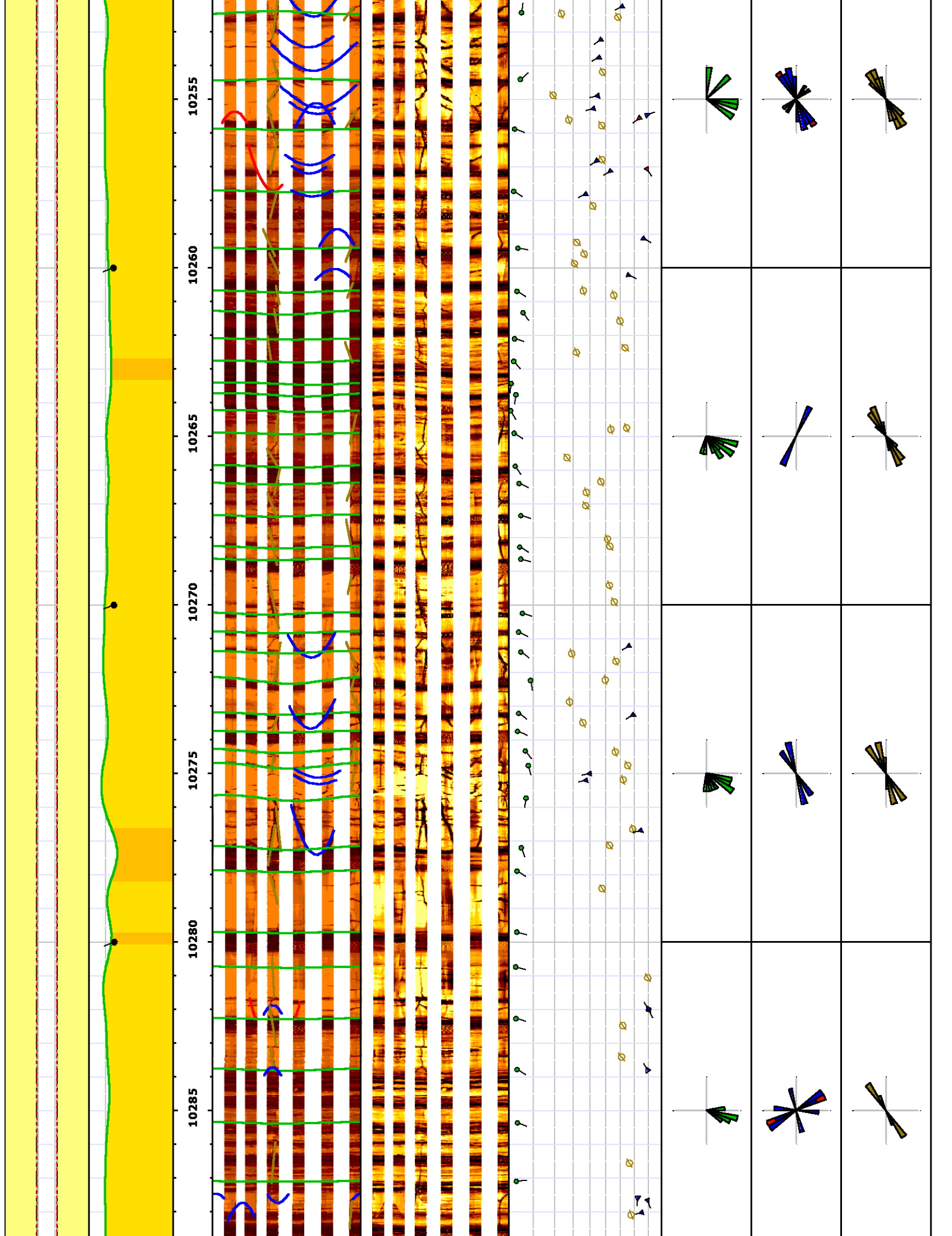


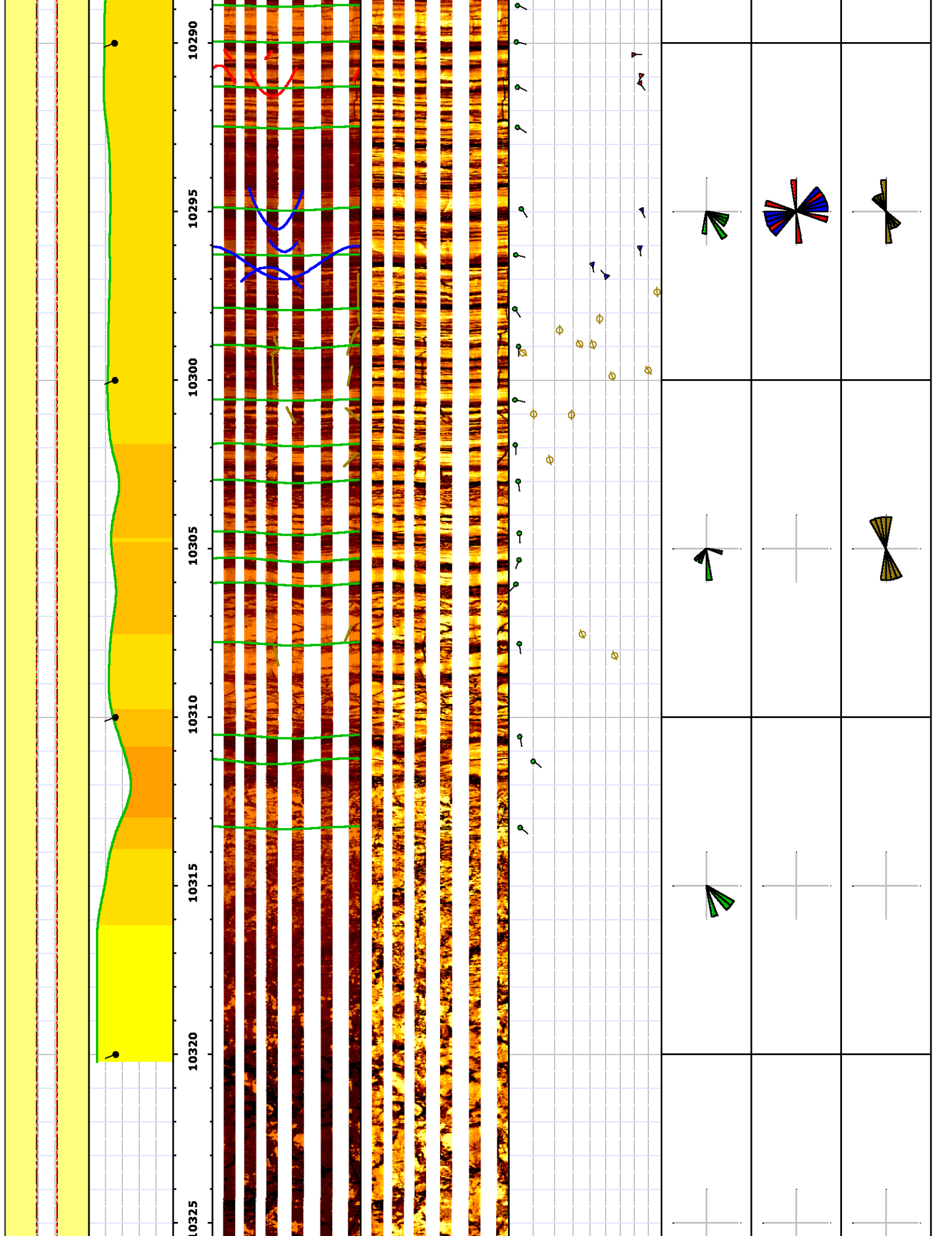


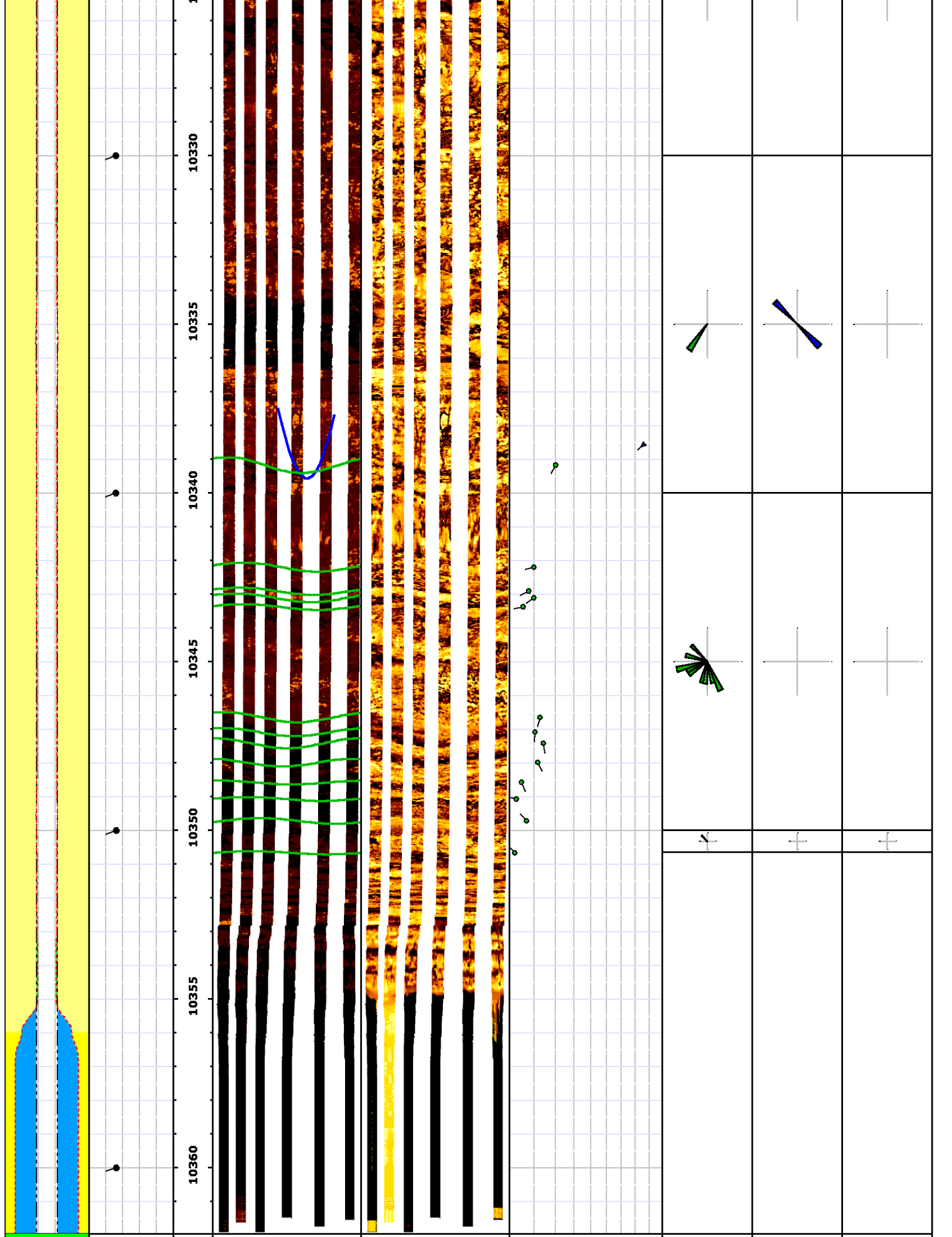










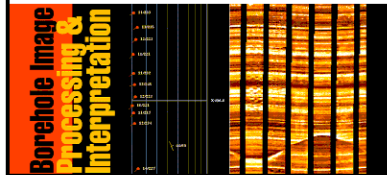


UNDER GAUGE								
0 (BIT) 255								
OVERGAUGE								
0 (CALD_S) 255								
CALD_S								
16 in 6								
BIT								
16 in 6								
CALD_S								
6 in 16								
BIT								
6 in 16								
0 gAPI 150								
STAR CALIPER	GAMMA RAY	DEPTH	STAR STATIC	STAR DYNAMIC	MANUAL PICKS	BEDDING FEATURES	NATURAL FRACTURES	DRILLING INDUCED FRACTURES



COMPANY	HOLLY FRONTIER - NAVAJO	
WELL	NAVAJO REFINING WDW #4	
FIELD	ARTESIA	
COUNTY	EDDY	STATE NEW MEXICO

FILE NO:	
API NO:	30-015-44677



LOCATION:

SEE REMARKS

LAT 32.81581400 LONG -104.25003400

ELEVATIONS:

KB 3585.8 FT

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DATE 03-JUL-2018