



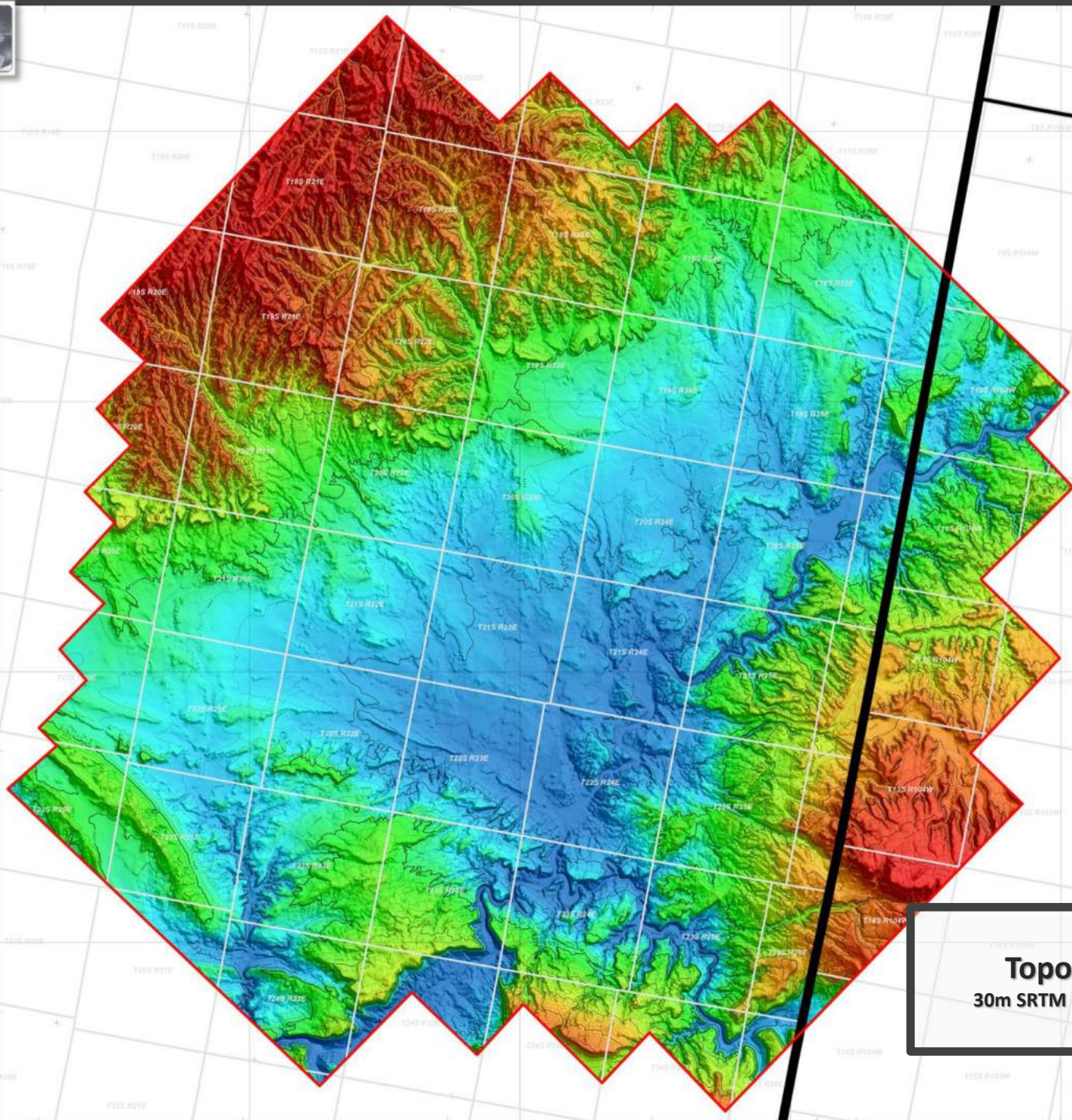
# Grand County Study

EARTHFIELD  
TECHNOLOGY

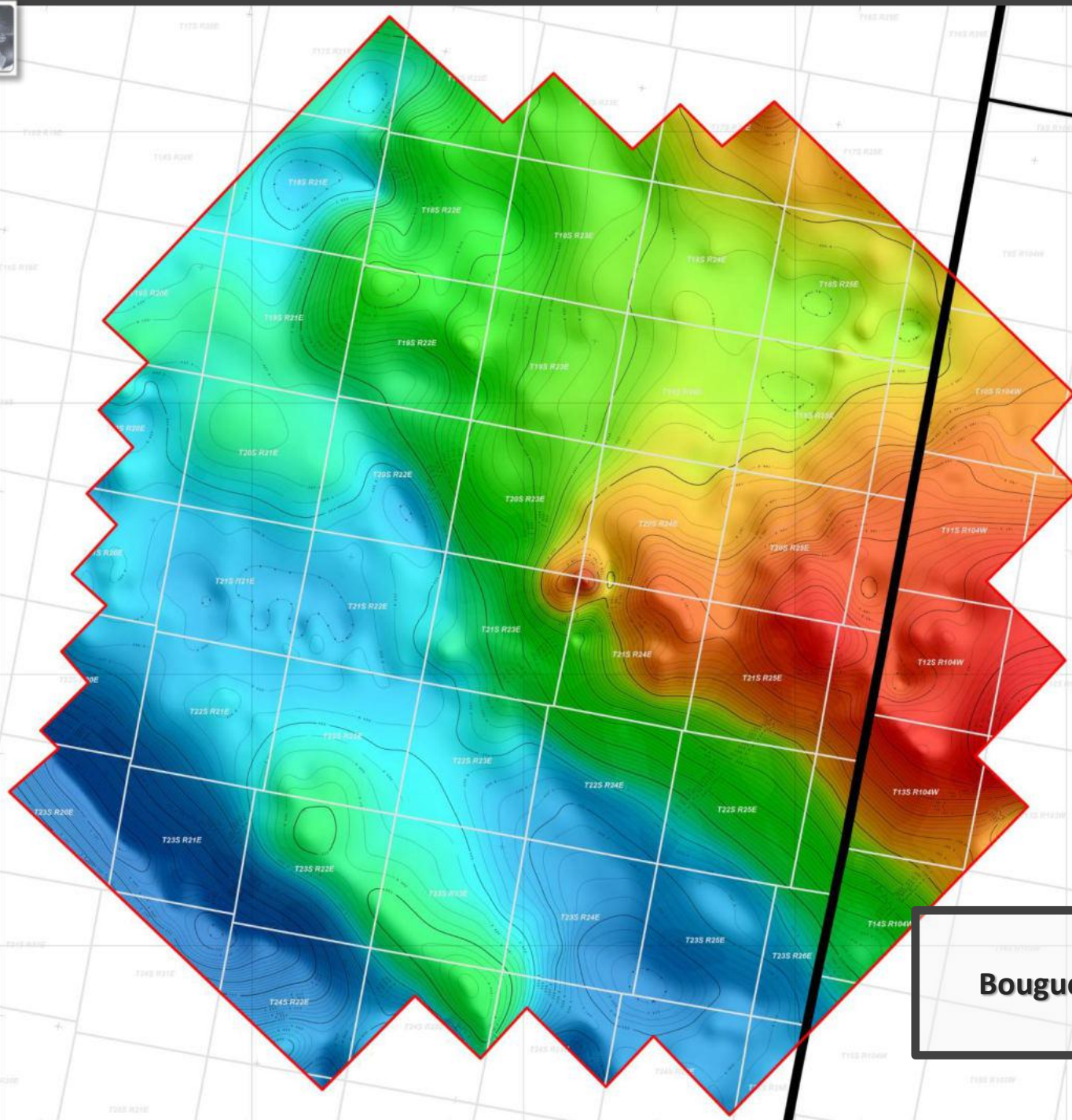
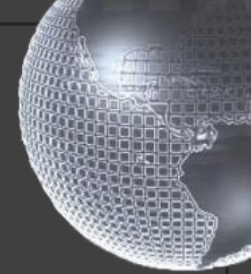




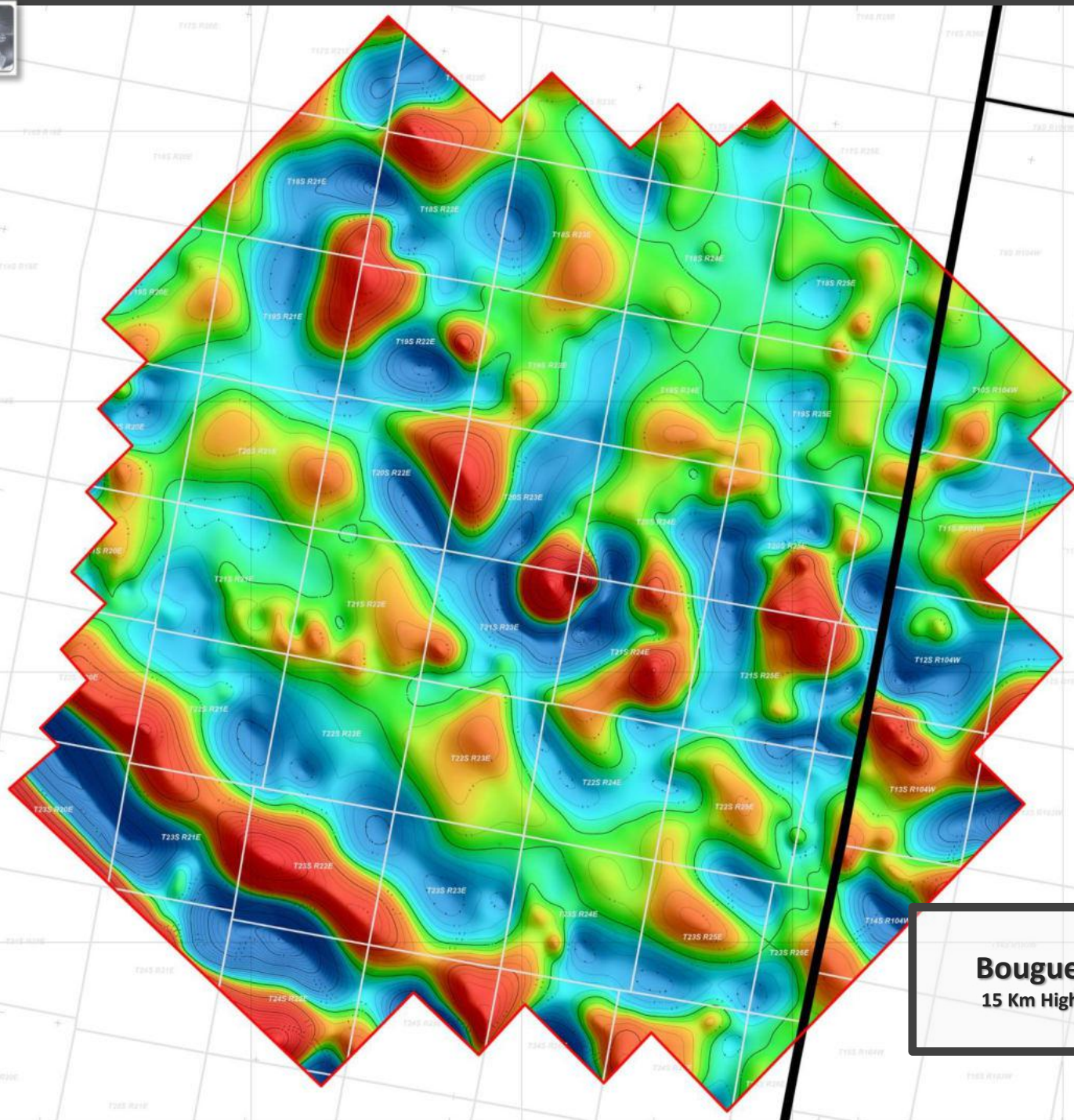
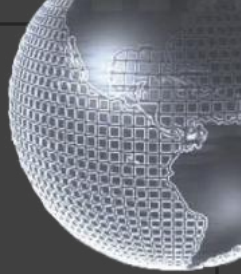
# Qualitative Analysis



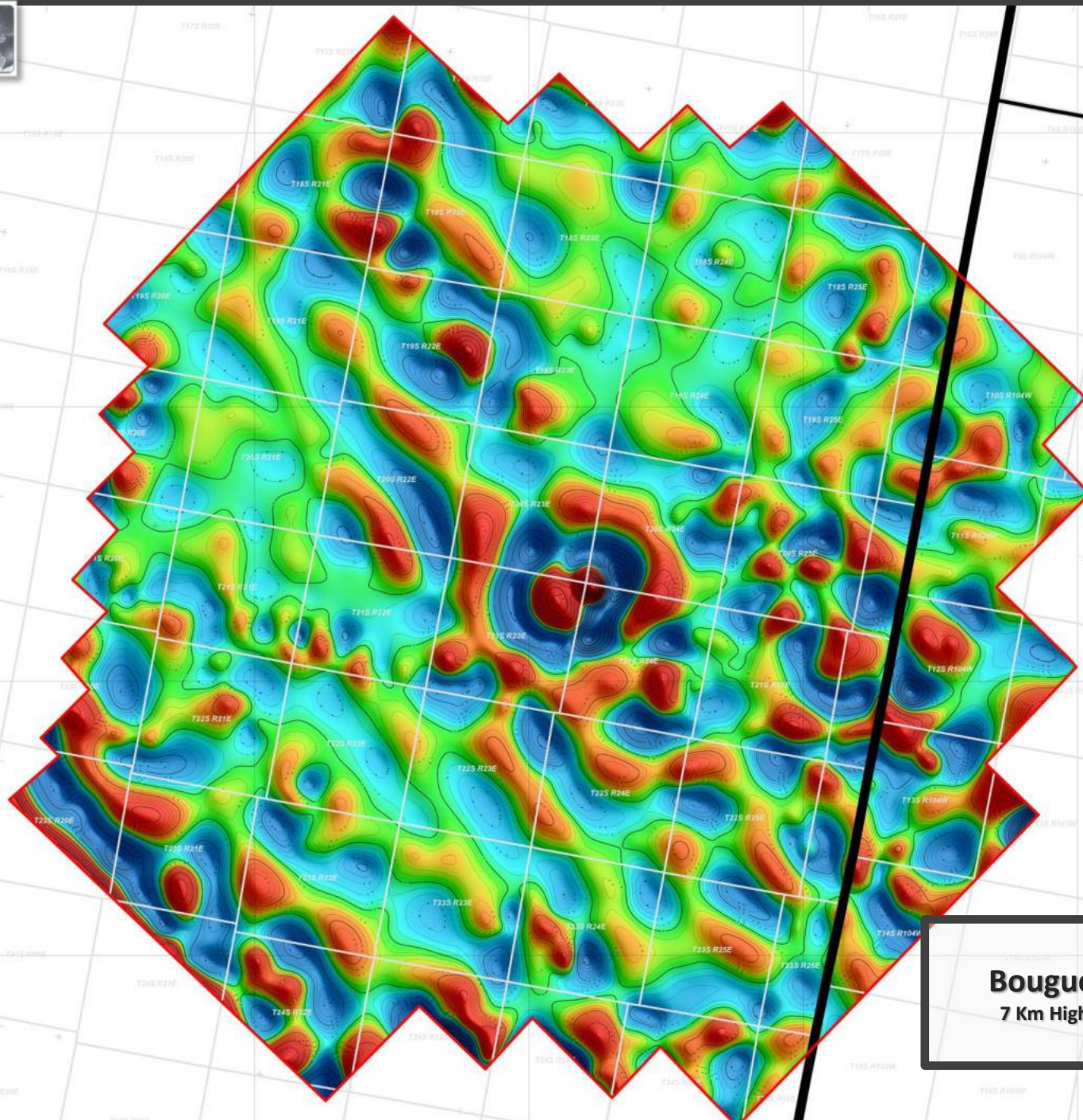
**Topography**  
30m SRTM Elevation Data



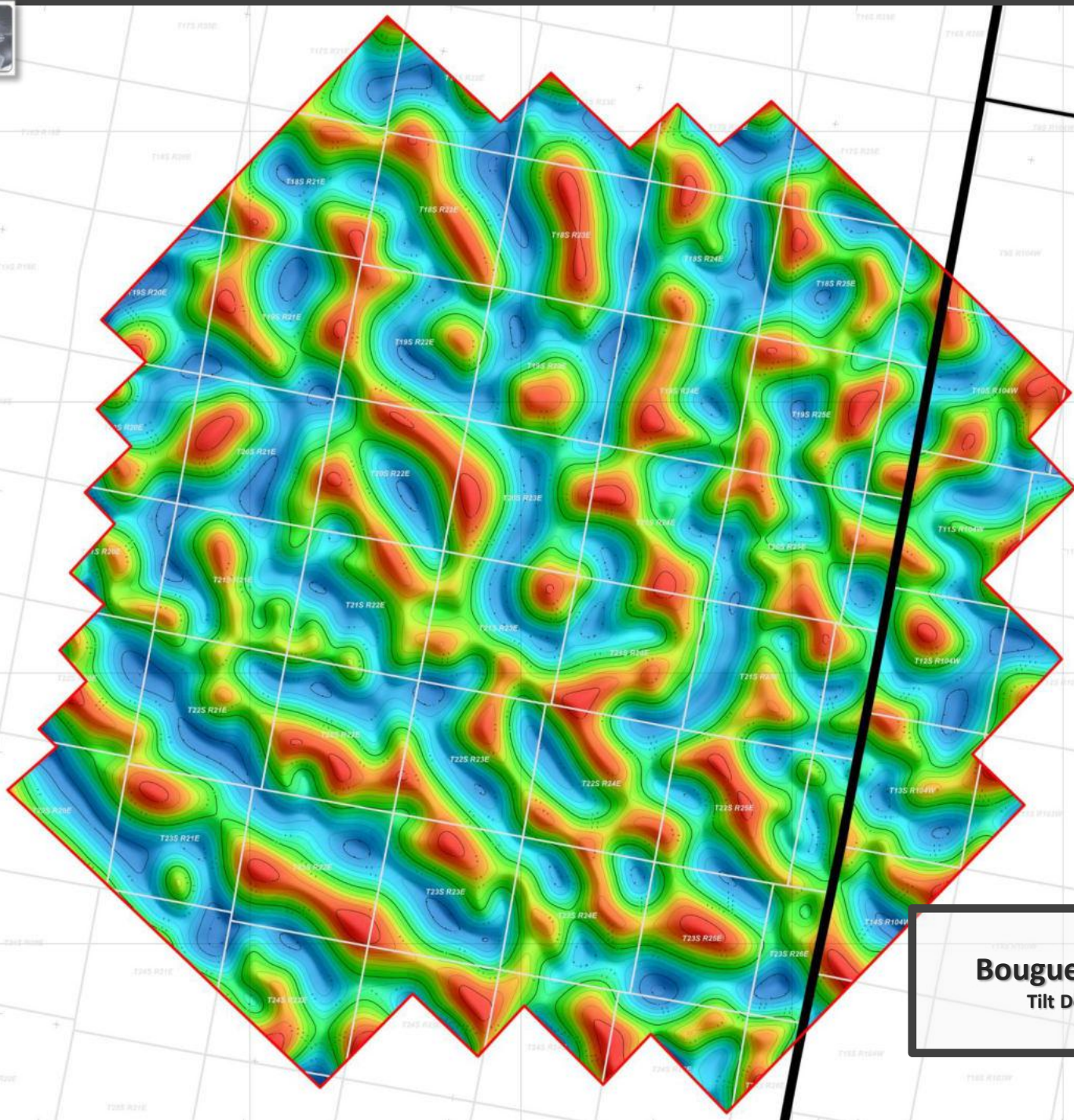
**Bouguer Gravity**



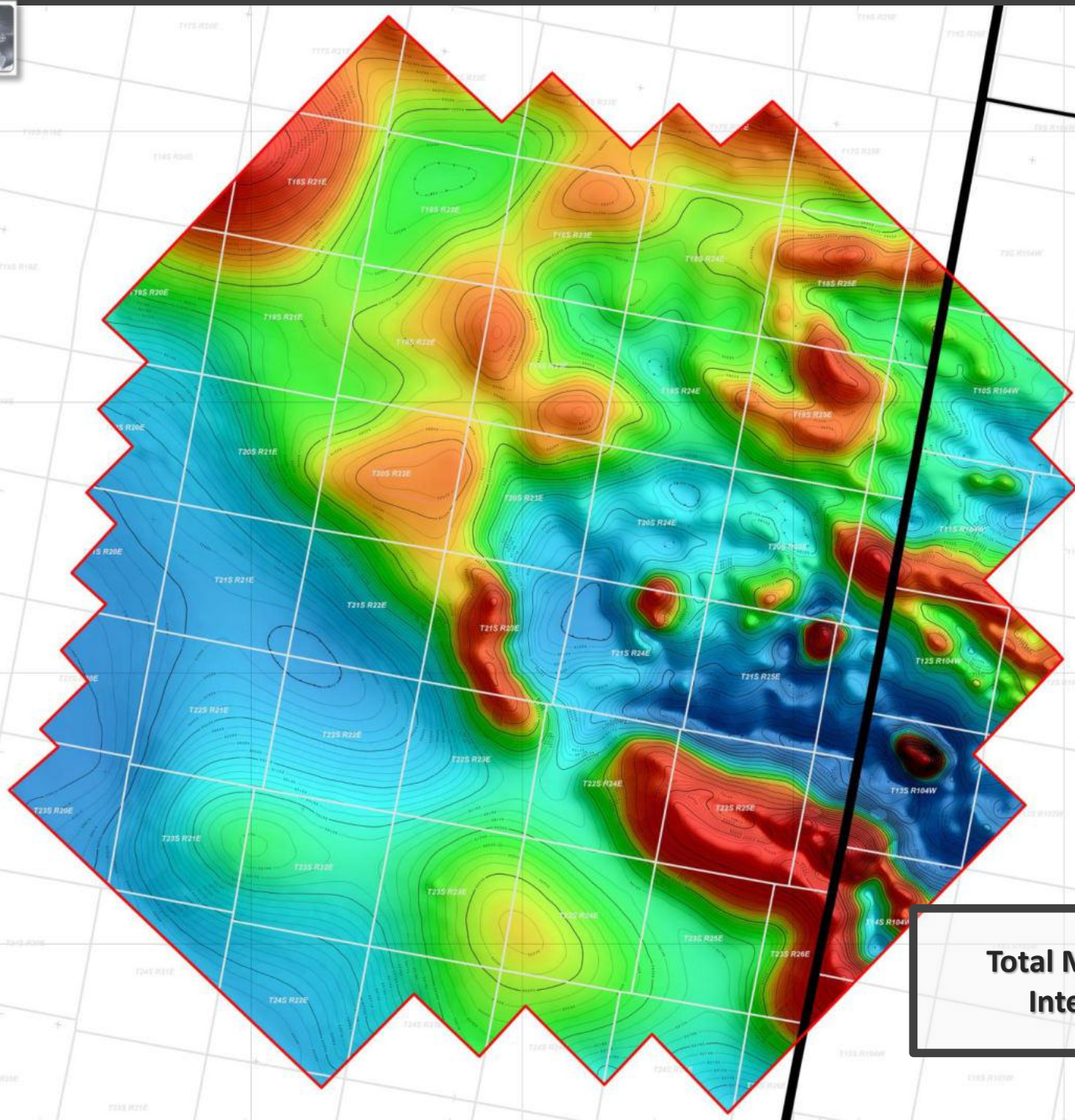
**Bouguer Gravity**  
15 Km High Pass Filtered



**Bouguer Gravity**  
7 Km High Pass Filtered

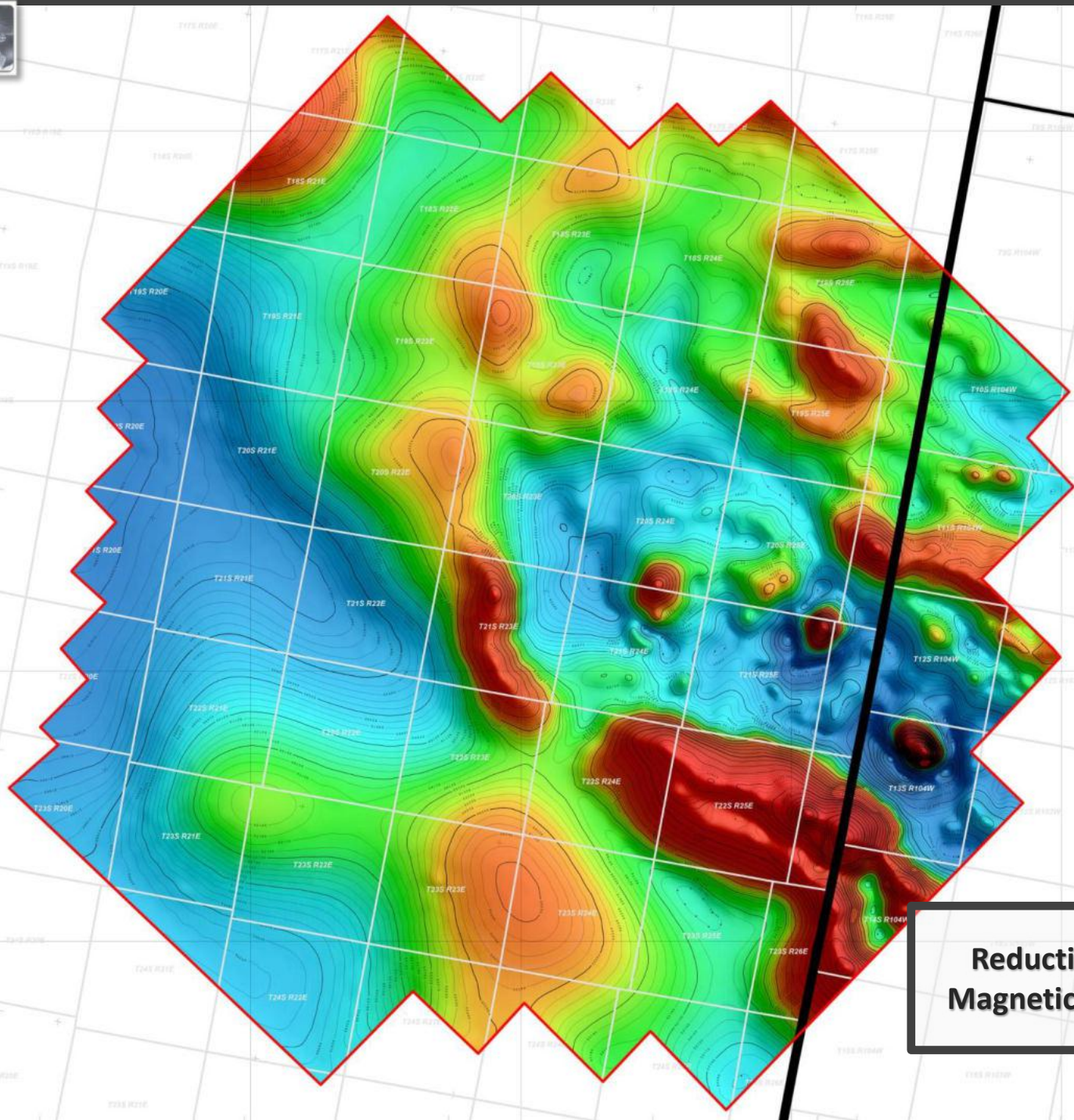


**Bouguer Gravity  
Tilt Derivative**

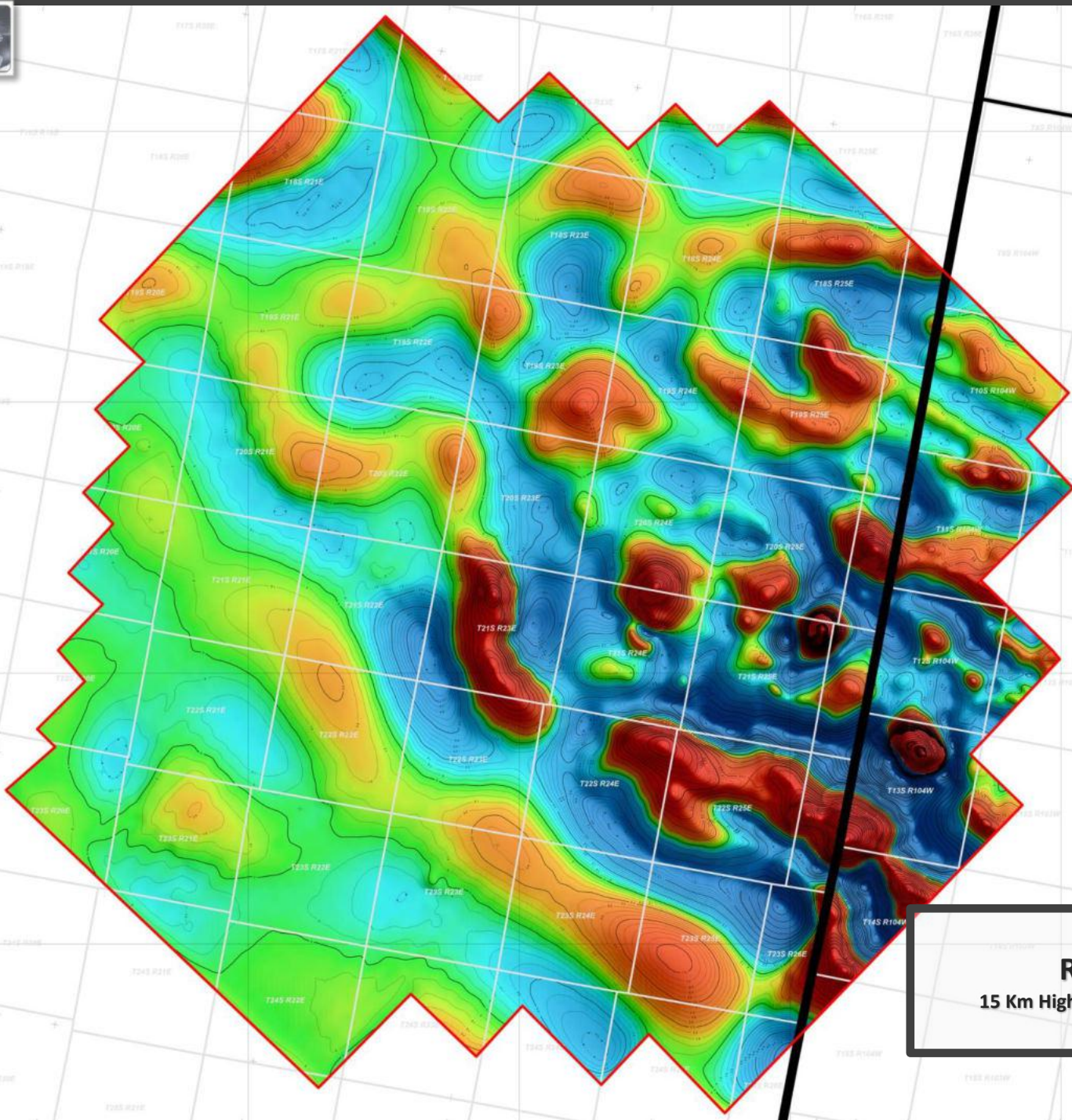
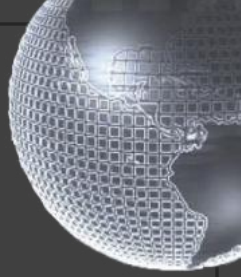


**Total Magnetic  
Intensity**

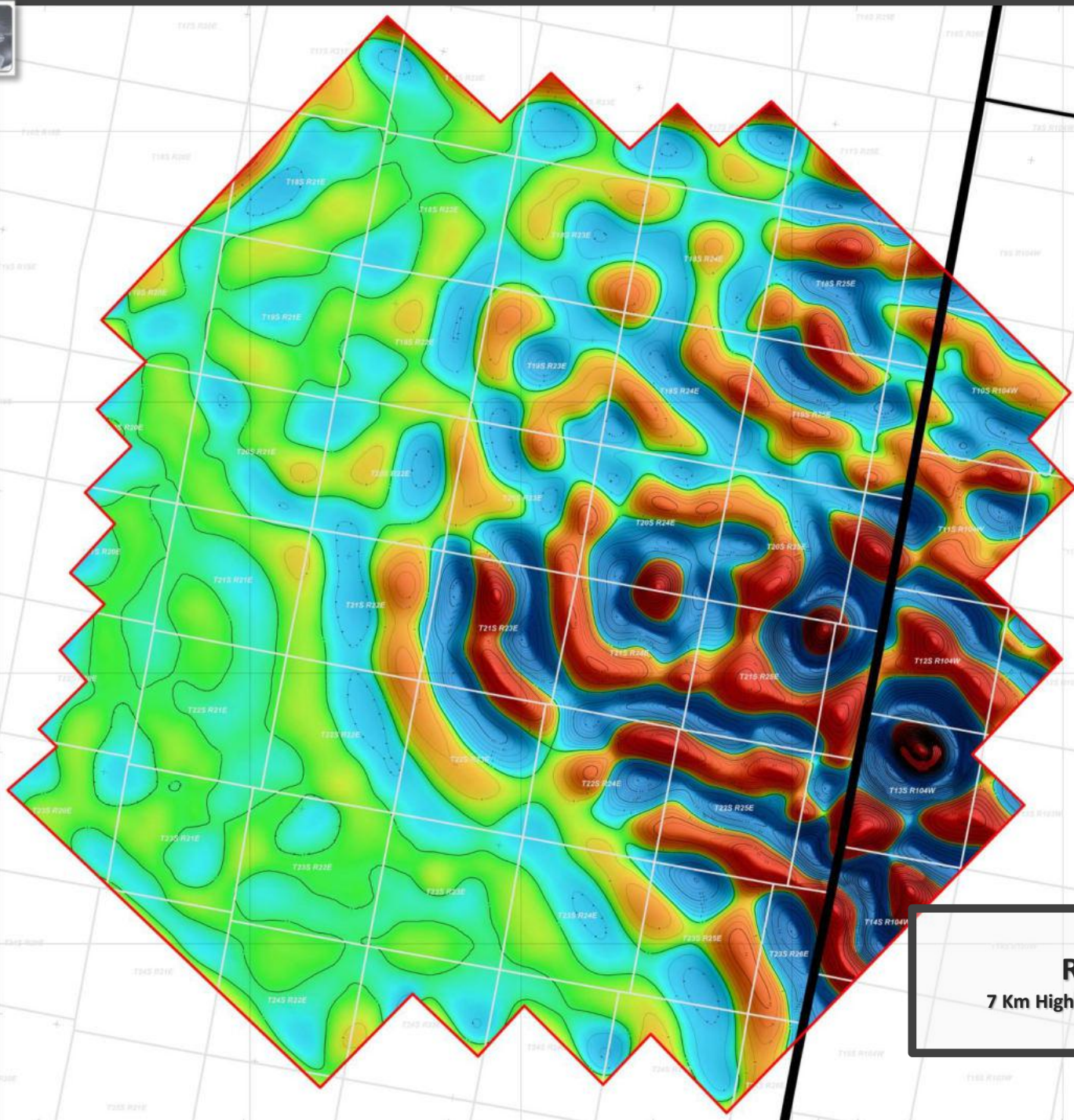




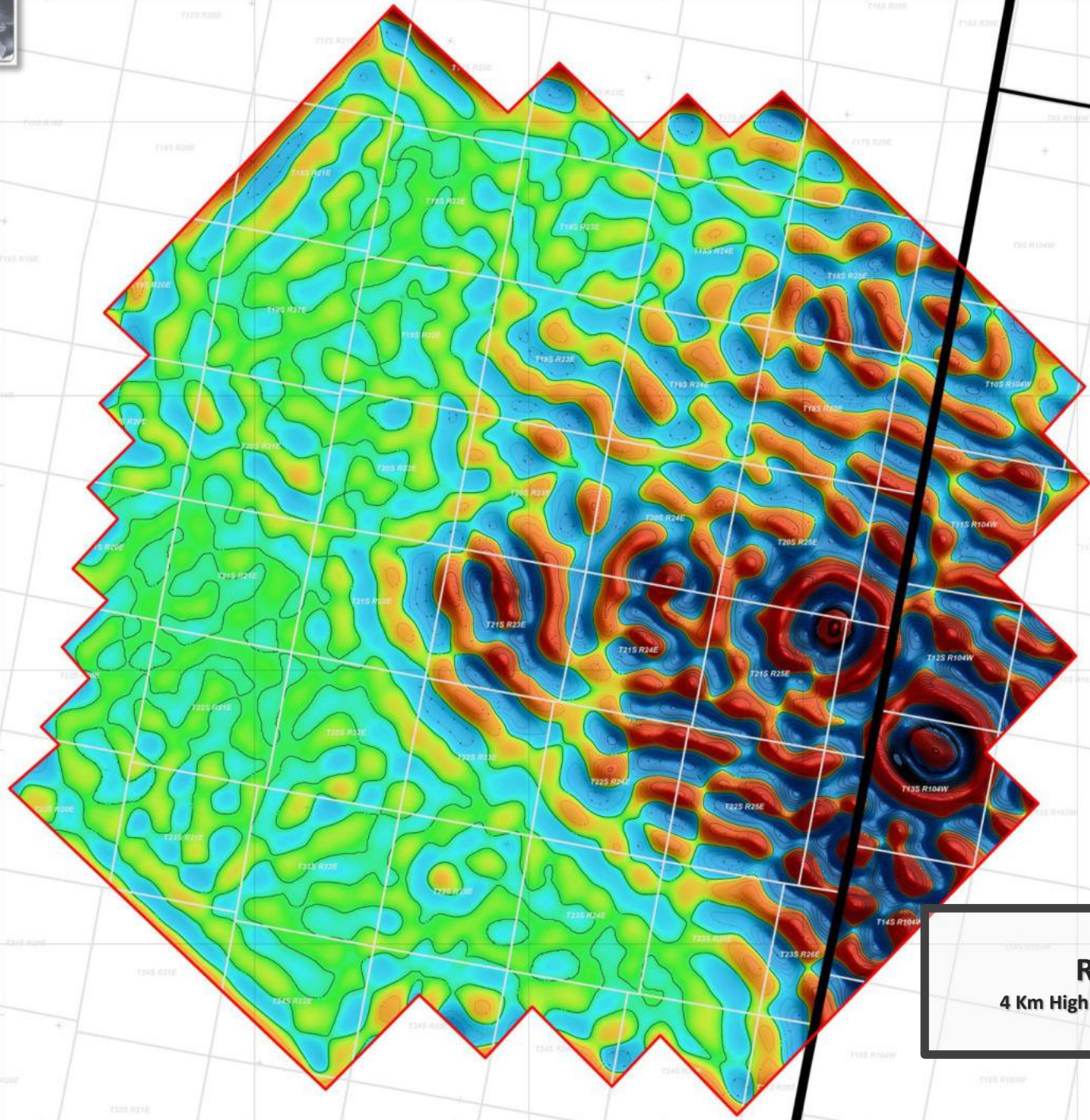
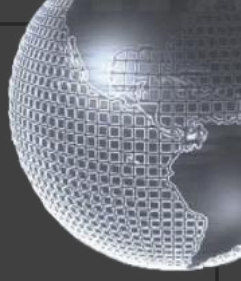
**Reduction to the  
Magnetic Pole (RTP)**



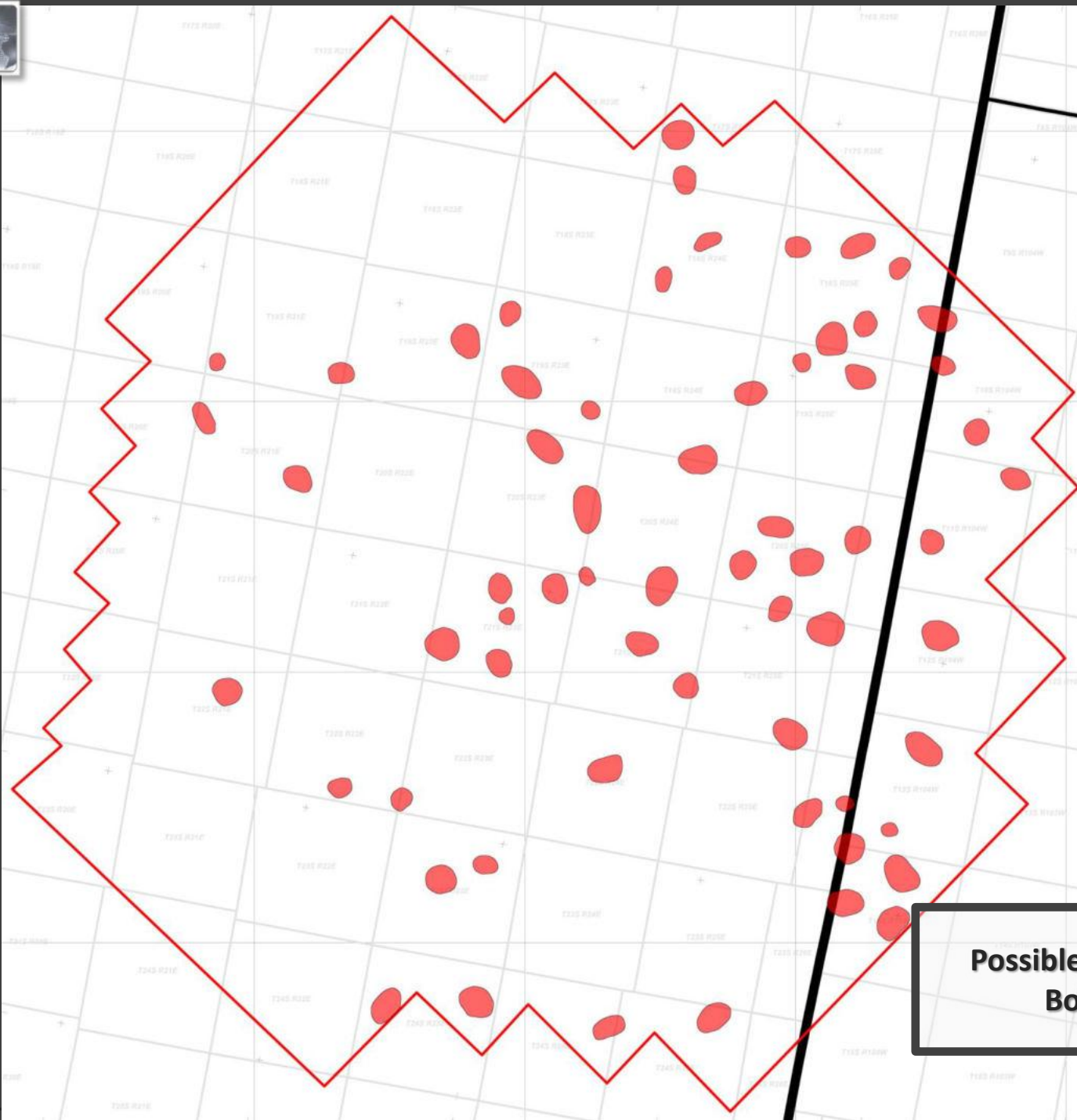
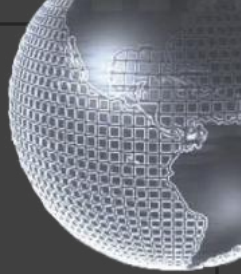
**RTP**  
15 Km High Pass Filtered



**RTP**  
7 Km High Pass Filtered



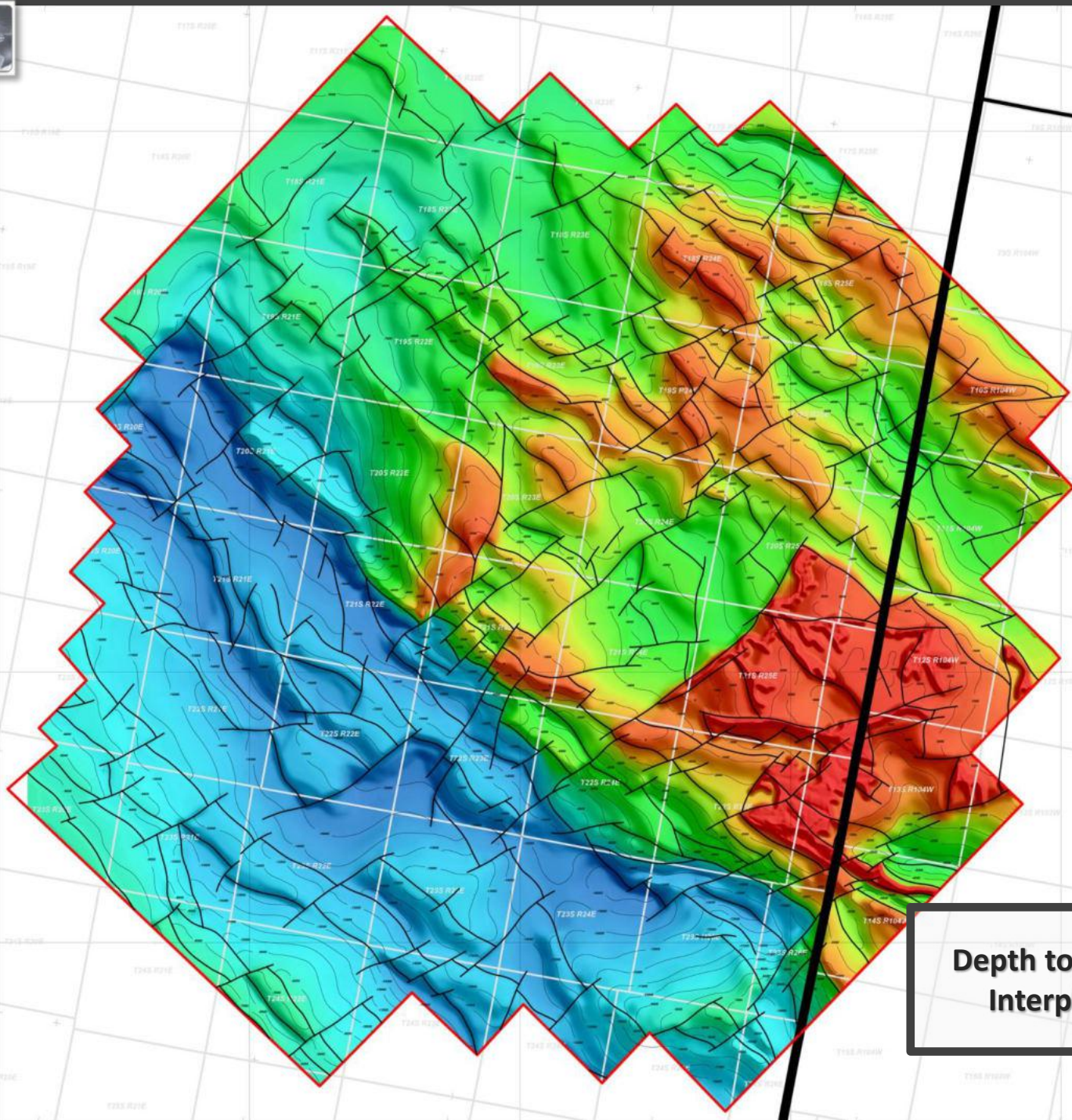
**RTP**  
4 Km High Pass Filtered



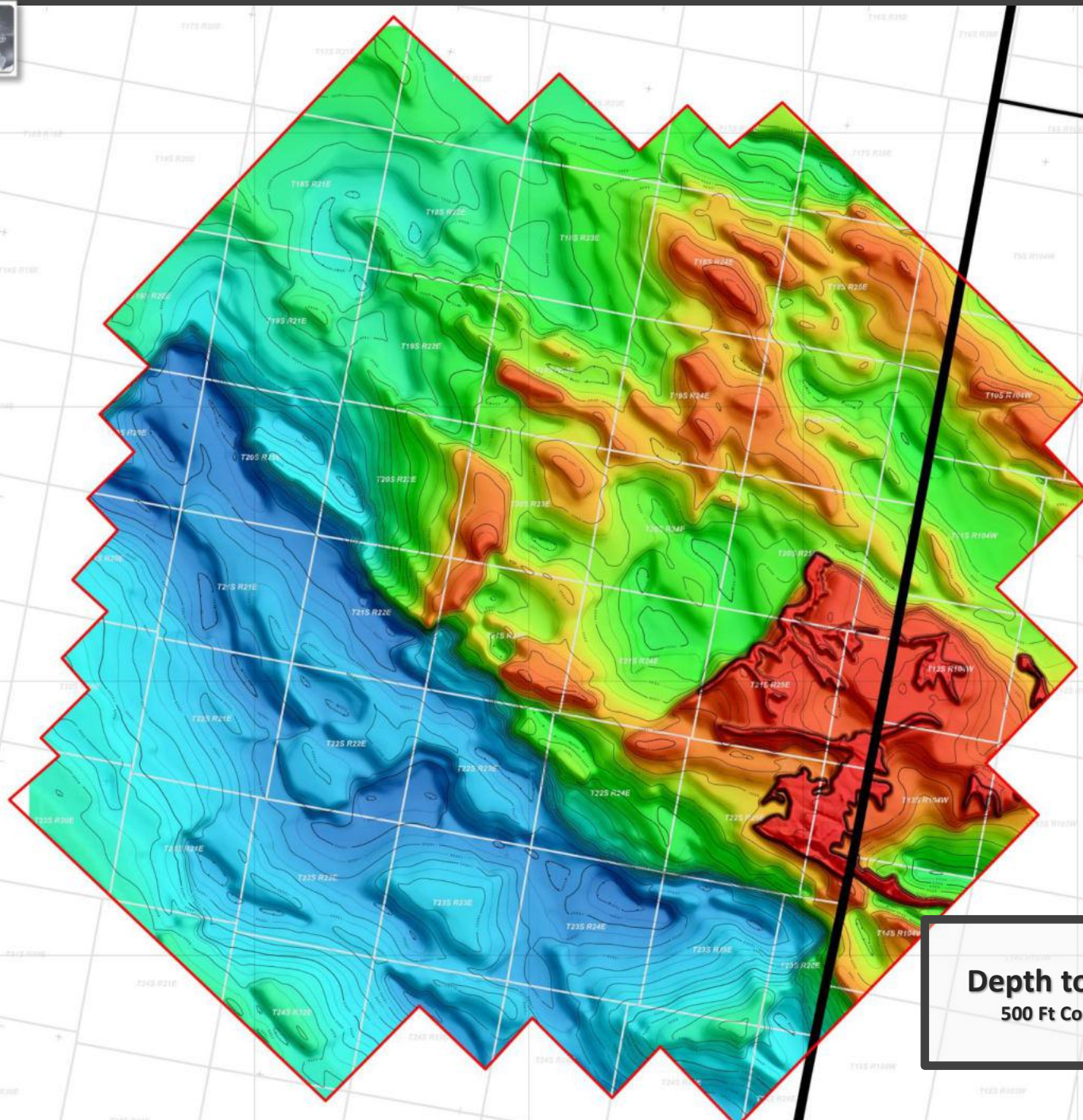
**Possible Intrusive  
Bodies**



# Basement Analysis

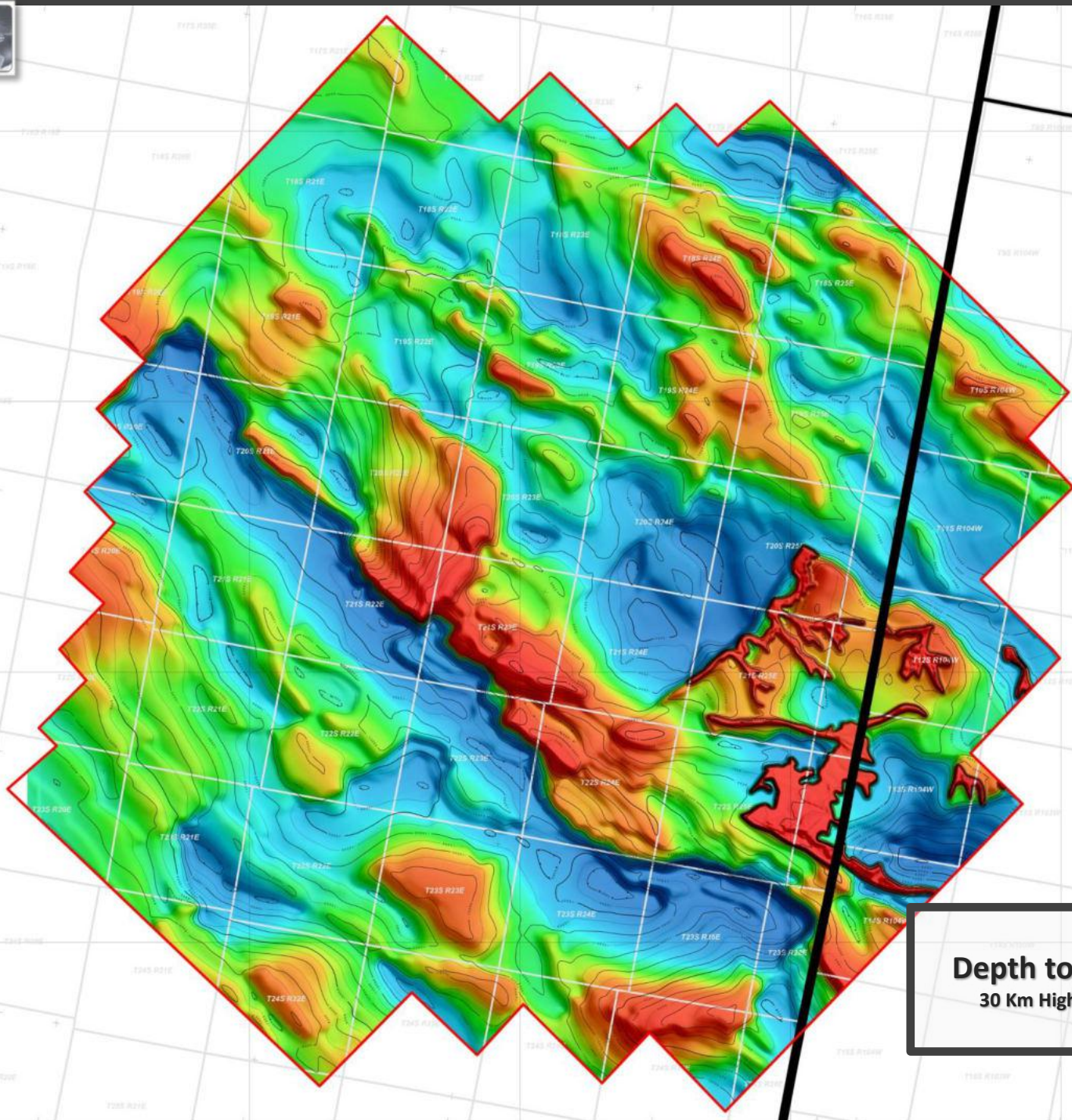


**Depth to Basement  
Interpretation**

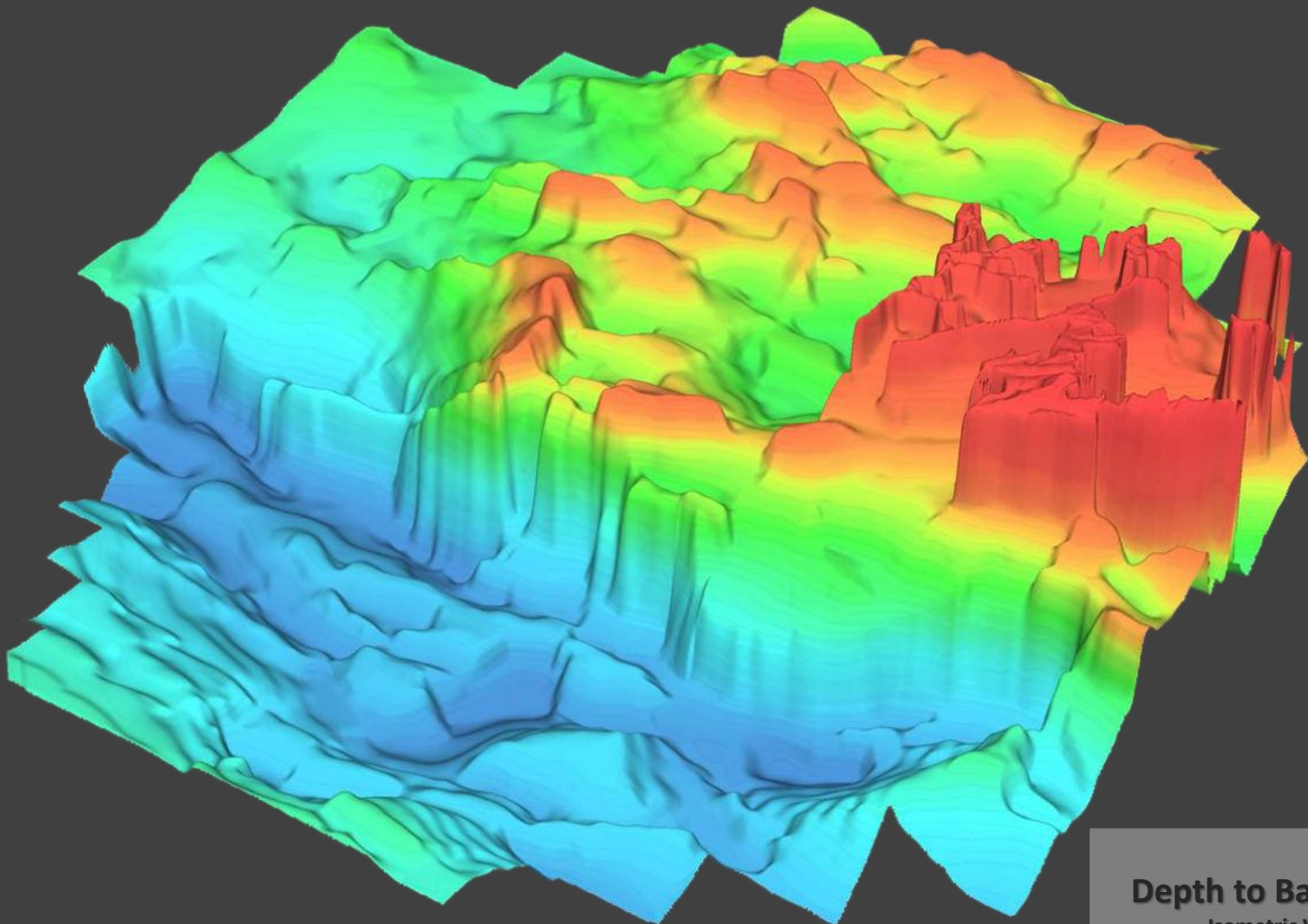
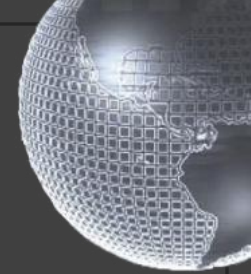


**Depth to Basement**  
500 Ft Contour Interval





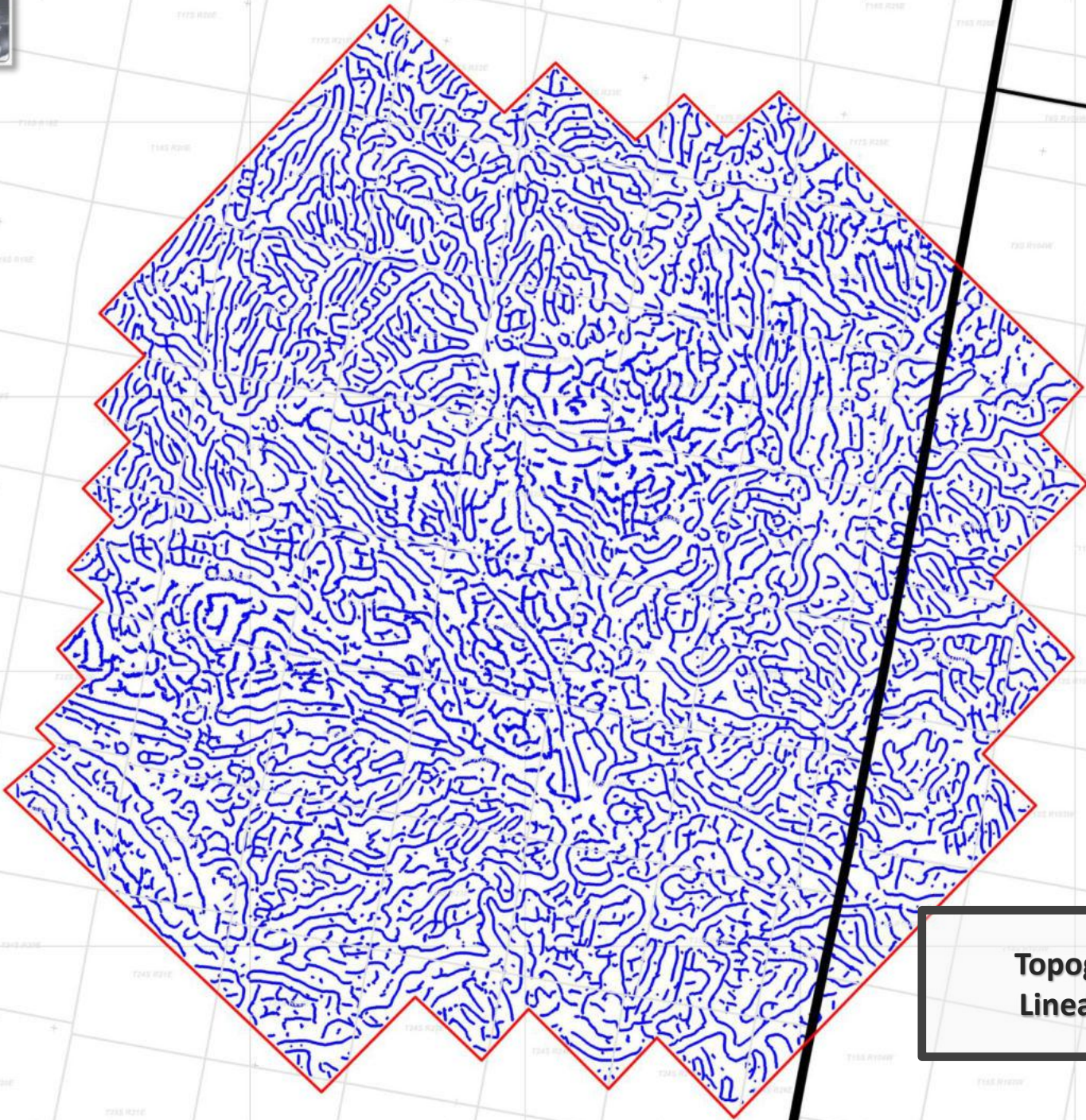
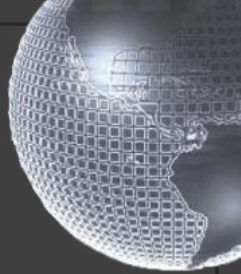
**Depth to Basement**  
30 Km High Pass Filtered



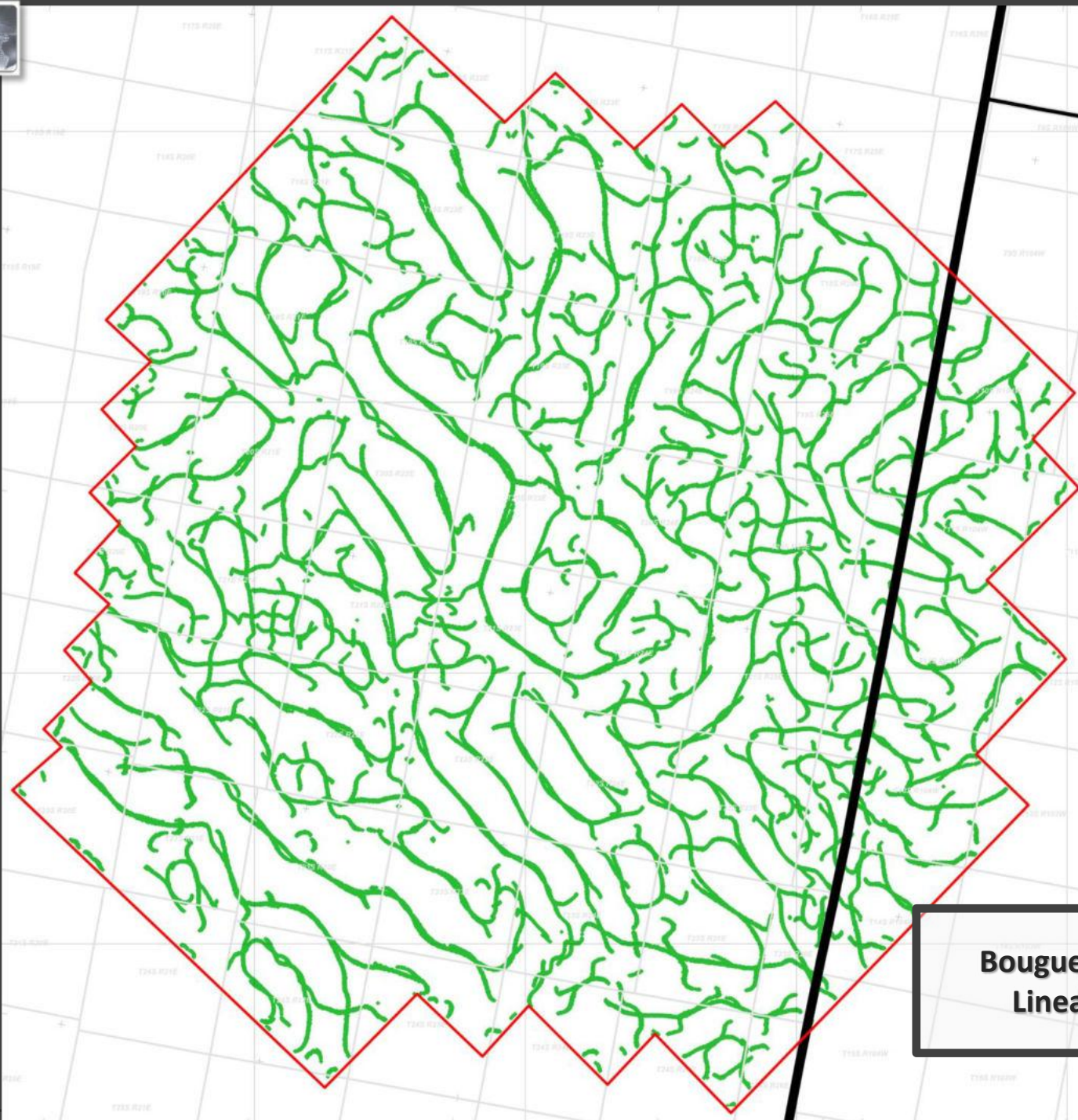
**Depth to Basement**  
Isometric View



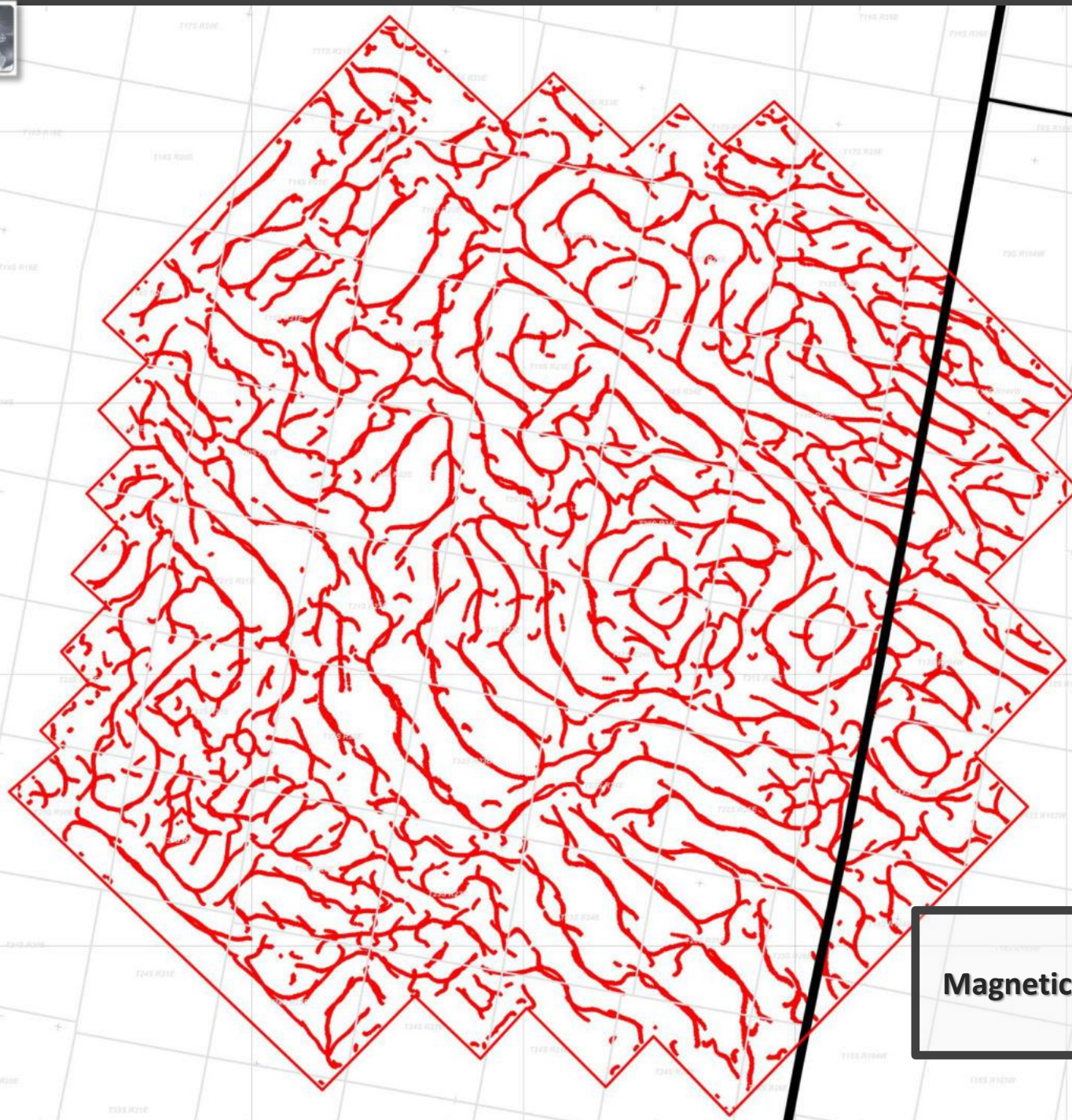
# Lineament Analysis



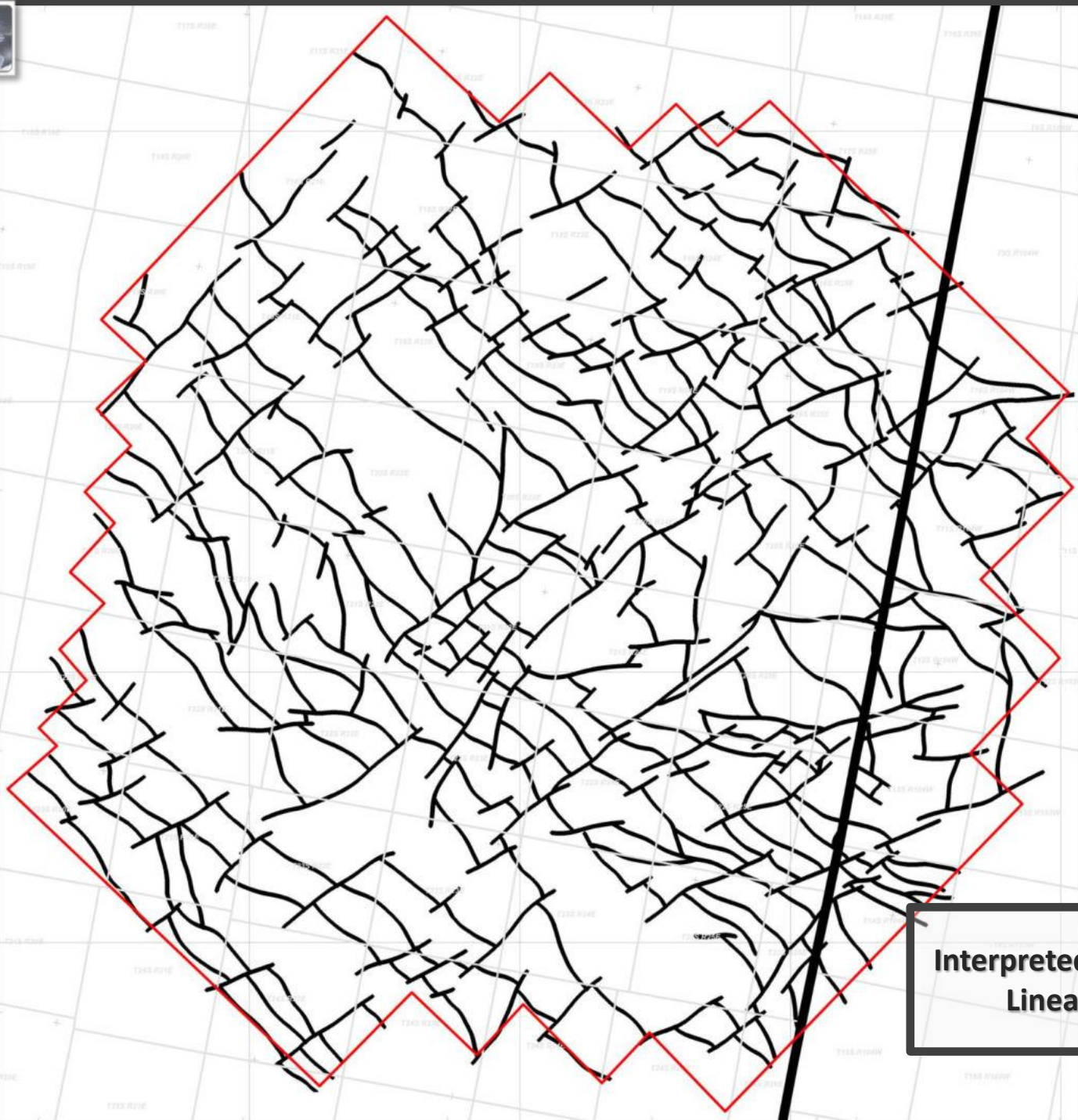
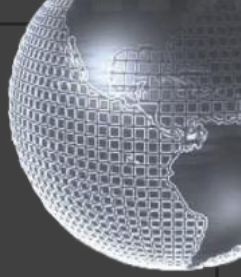
**Topographic  
Lineaments**



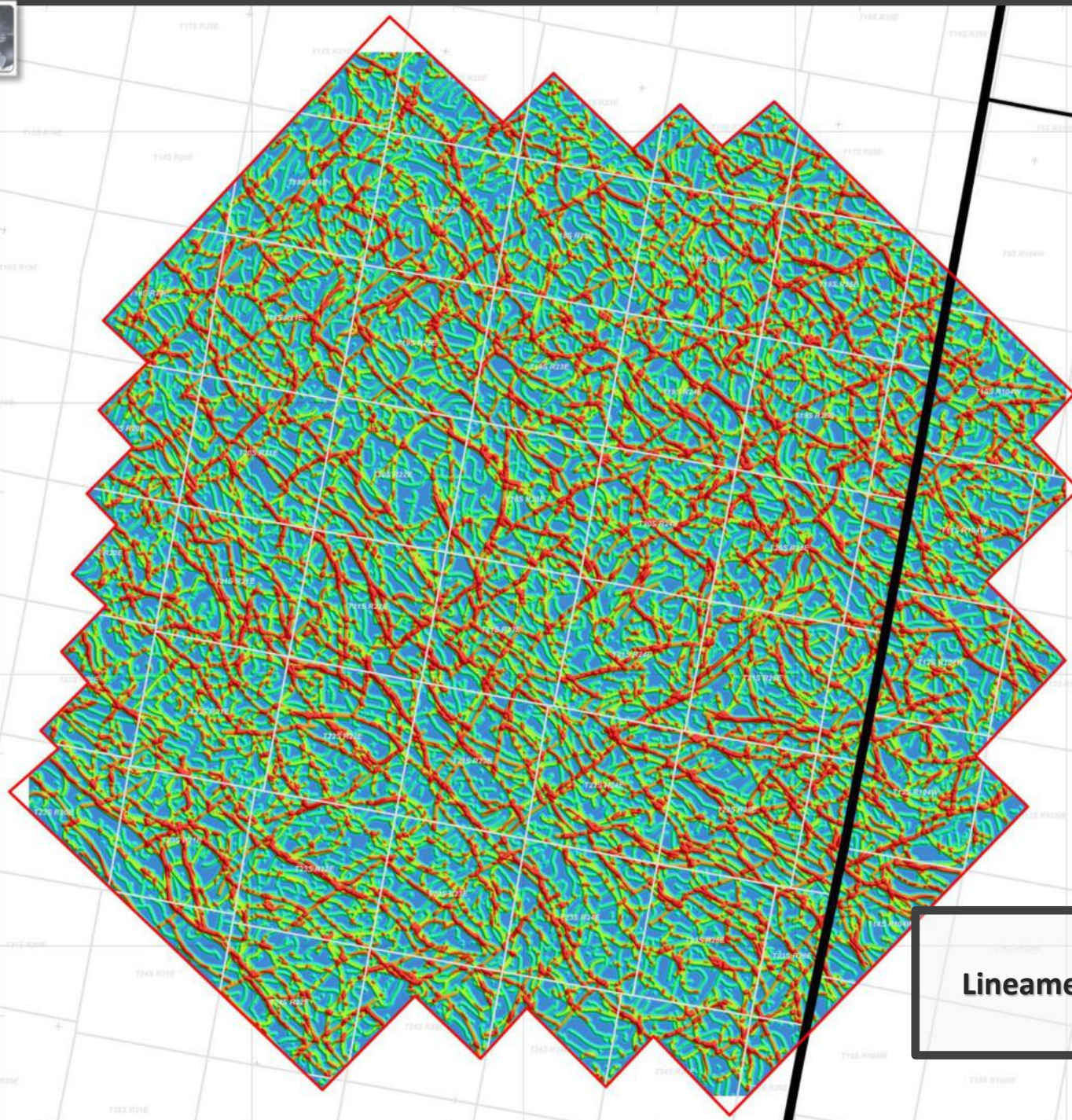
**Bouguer Gravity  
Lineaments**



**Magnetic Lineaments**

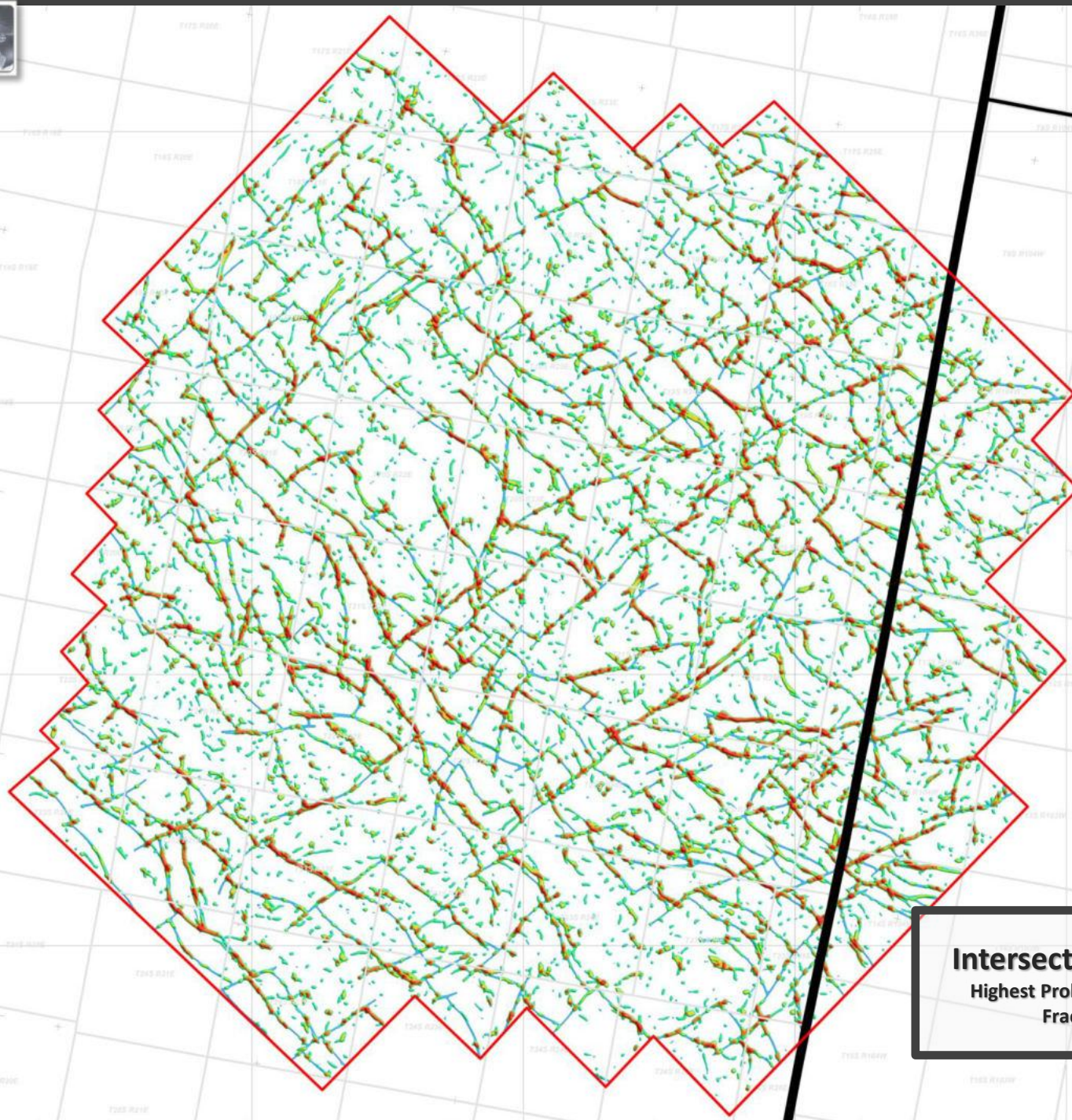
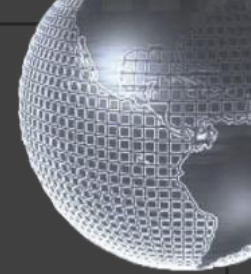


**Interpreted Basement  
Lineaments**



**Lineament Density**





**Intersection Density**  
Highest Probability Areas of  
Fracturing?



# **EARTHFIELD TECHNOLOGY**

**The Oil Industry  
World Leaders  
in  
Gravity & Magnetic  
Interpretation**