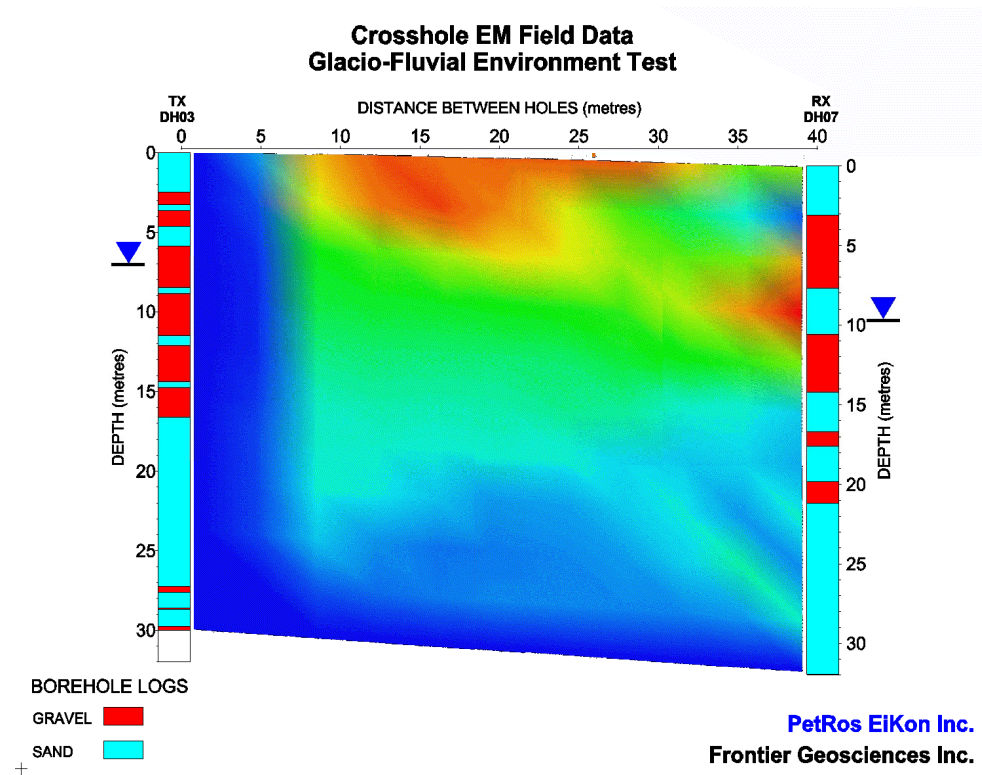


Crosshole Radio Imaging Tomography

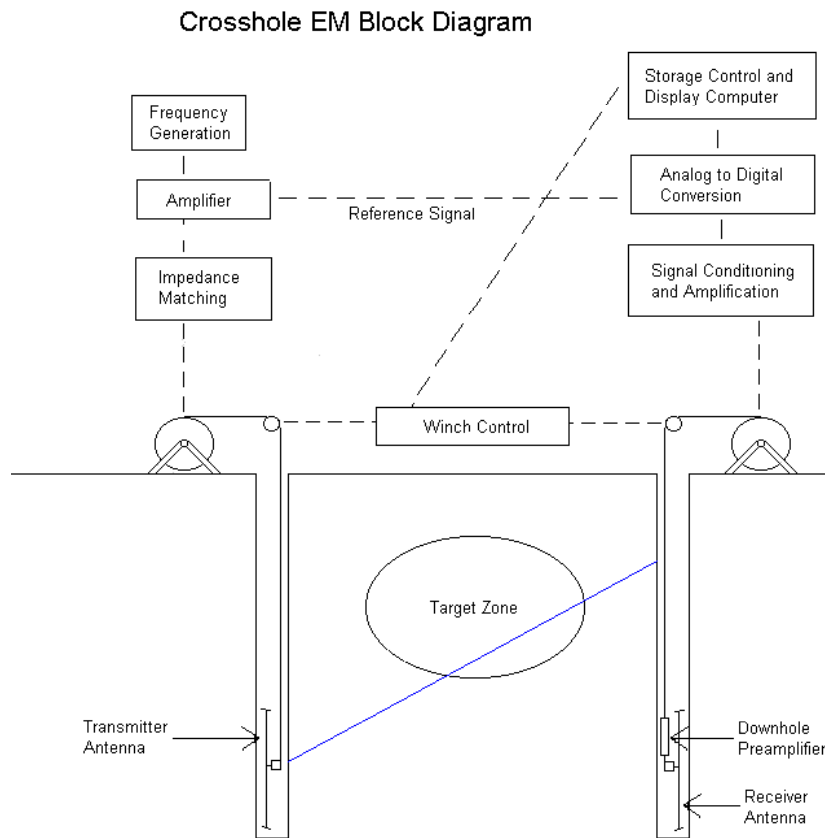
A new frontier in Equipment and Software



Petros Eikon Inc, Brampton
Frontier Geosciences, Vancouver

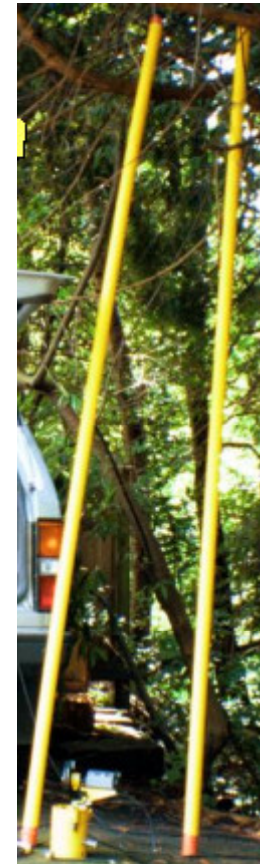
2011: R.W. Groom

X-Hole RIM Tomography



Xhole Schematic

Antennae



X-Hole RIM Tomography



Data collection

Tx hole

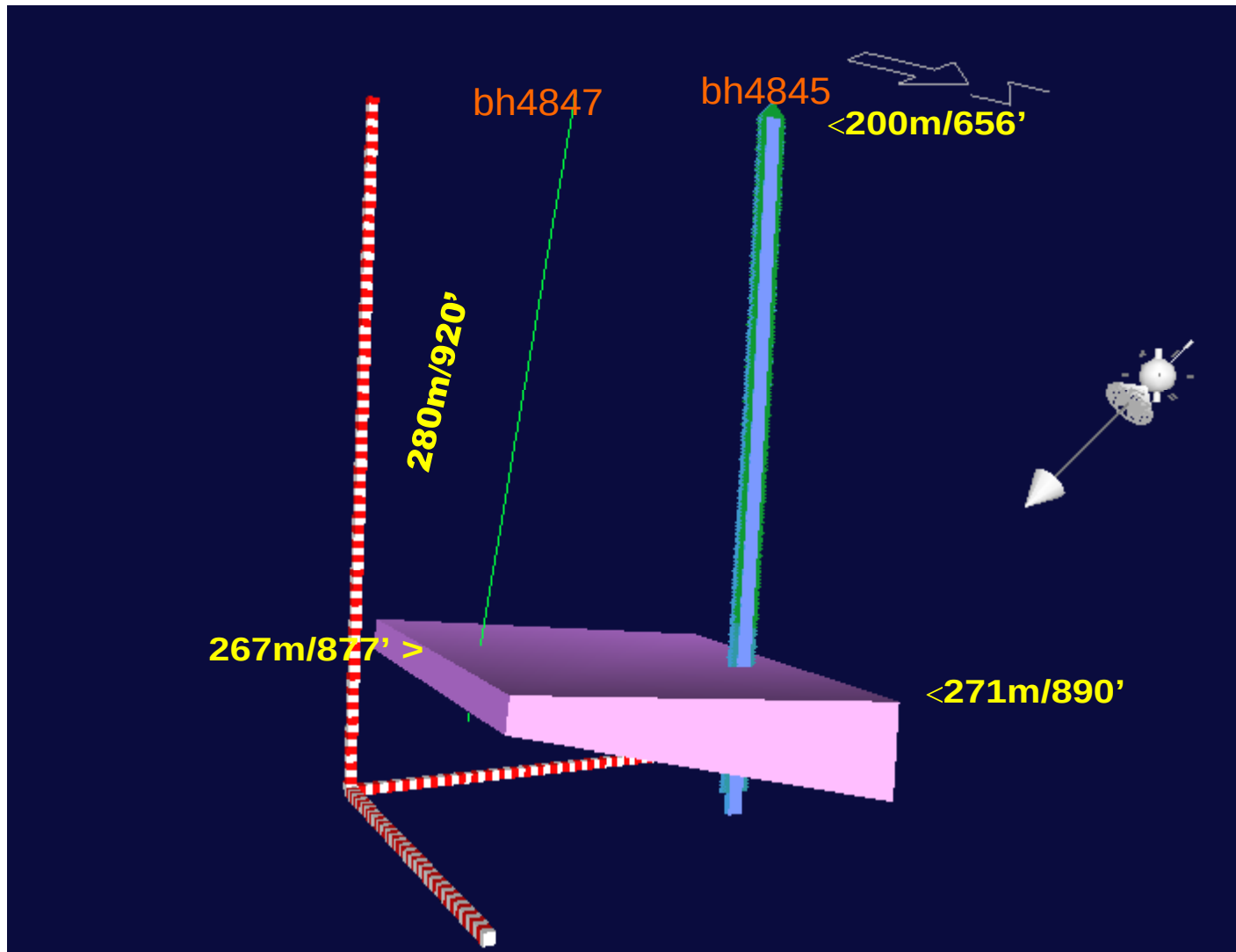


Rx hole



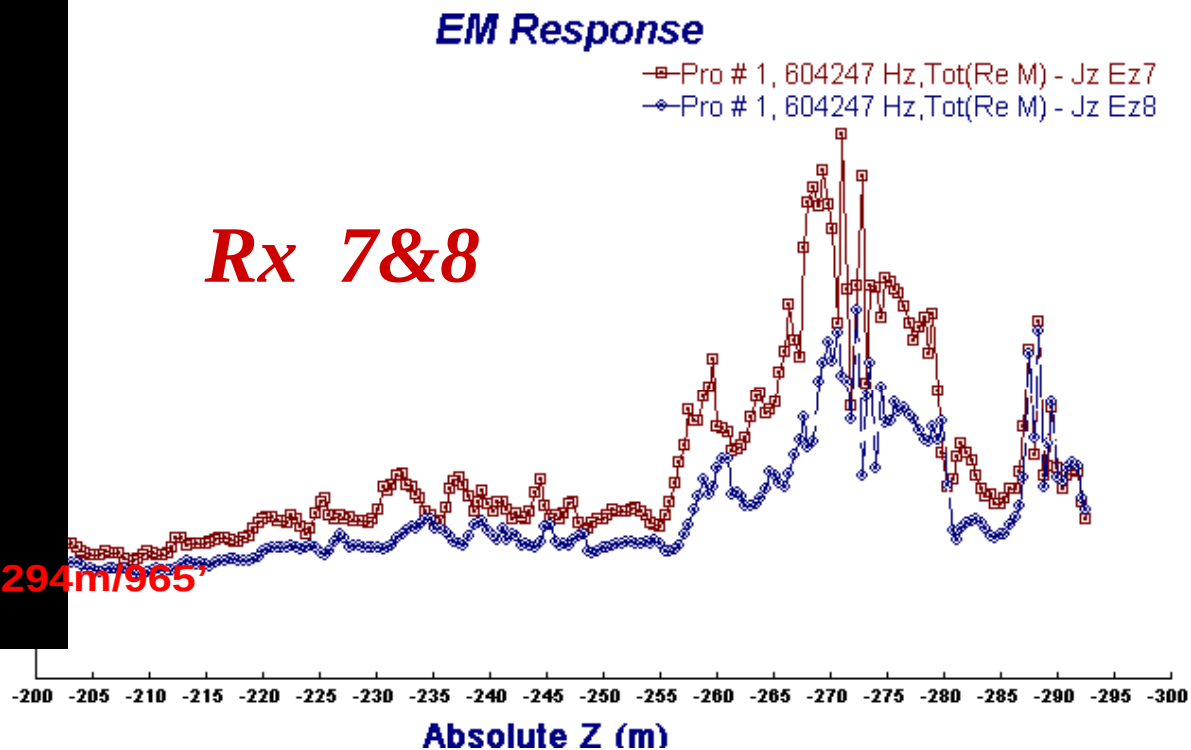
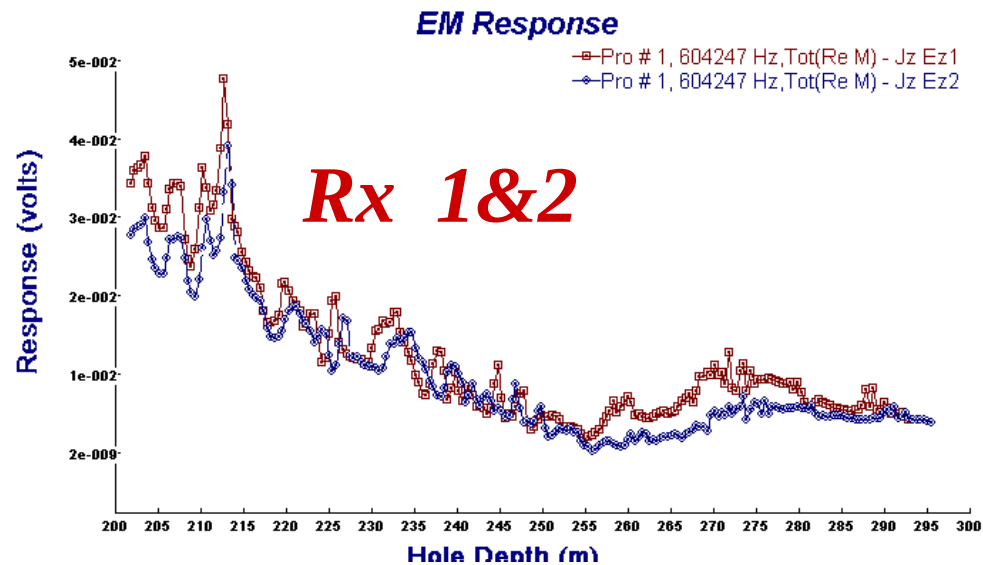
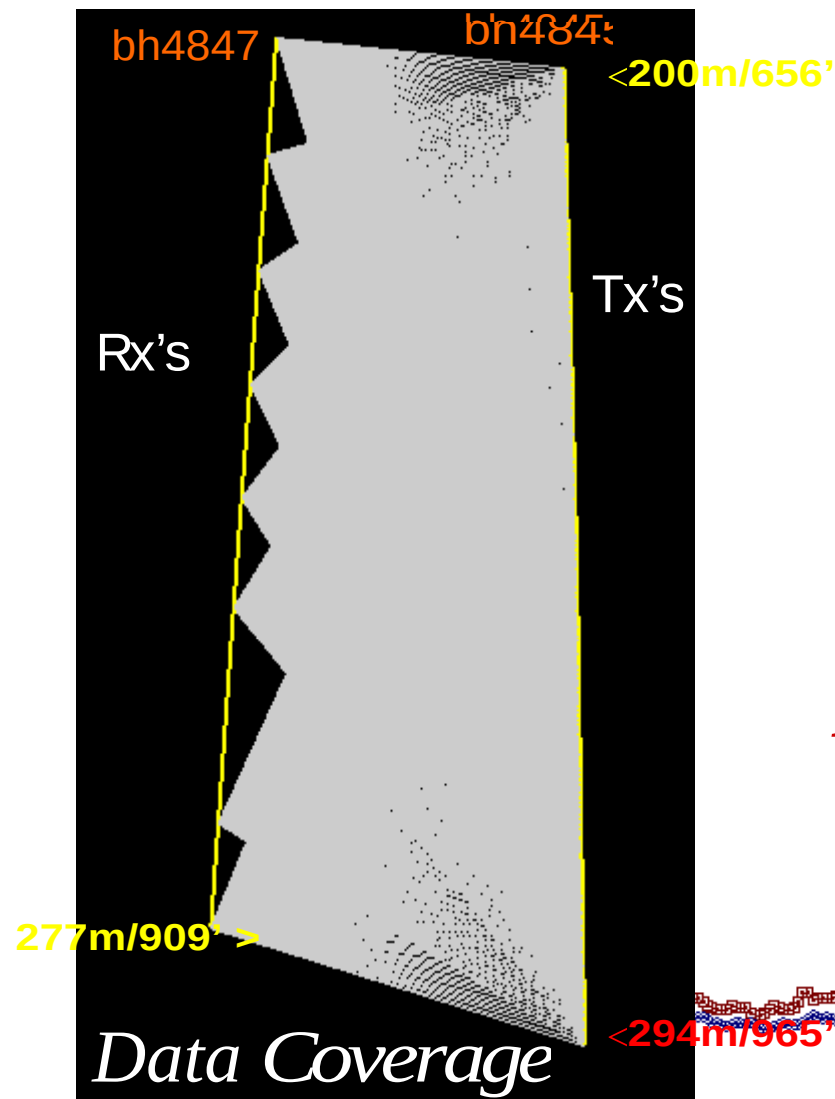
Deep Survey

Geometry - Panels 1&2



Deep Survey

Panels 1 - 600KHz

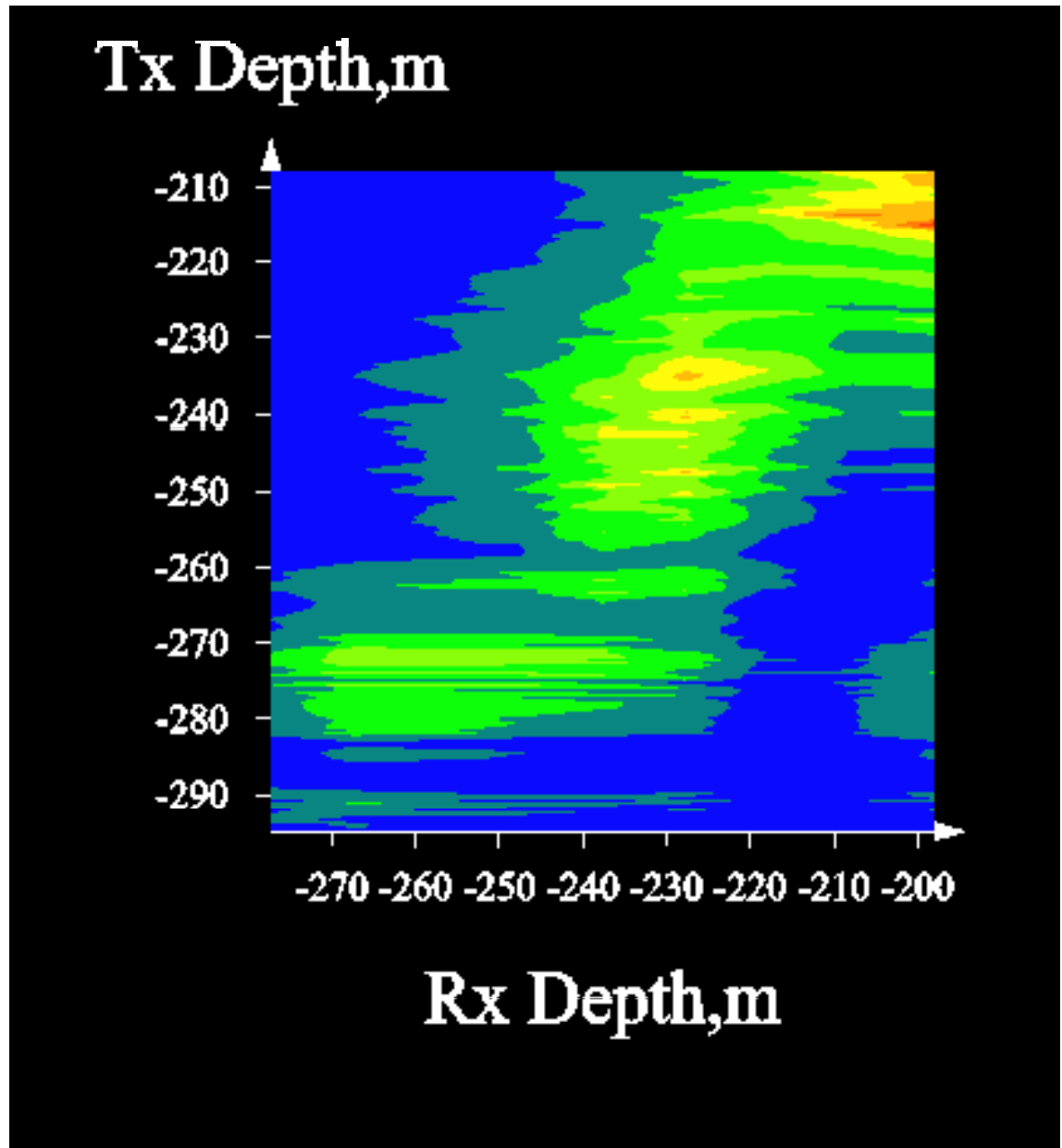


Deep Survey

Contoured Data

Tx vs Rx

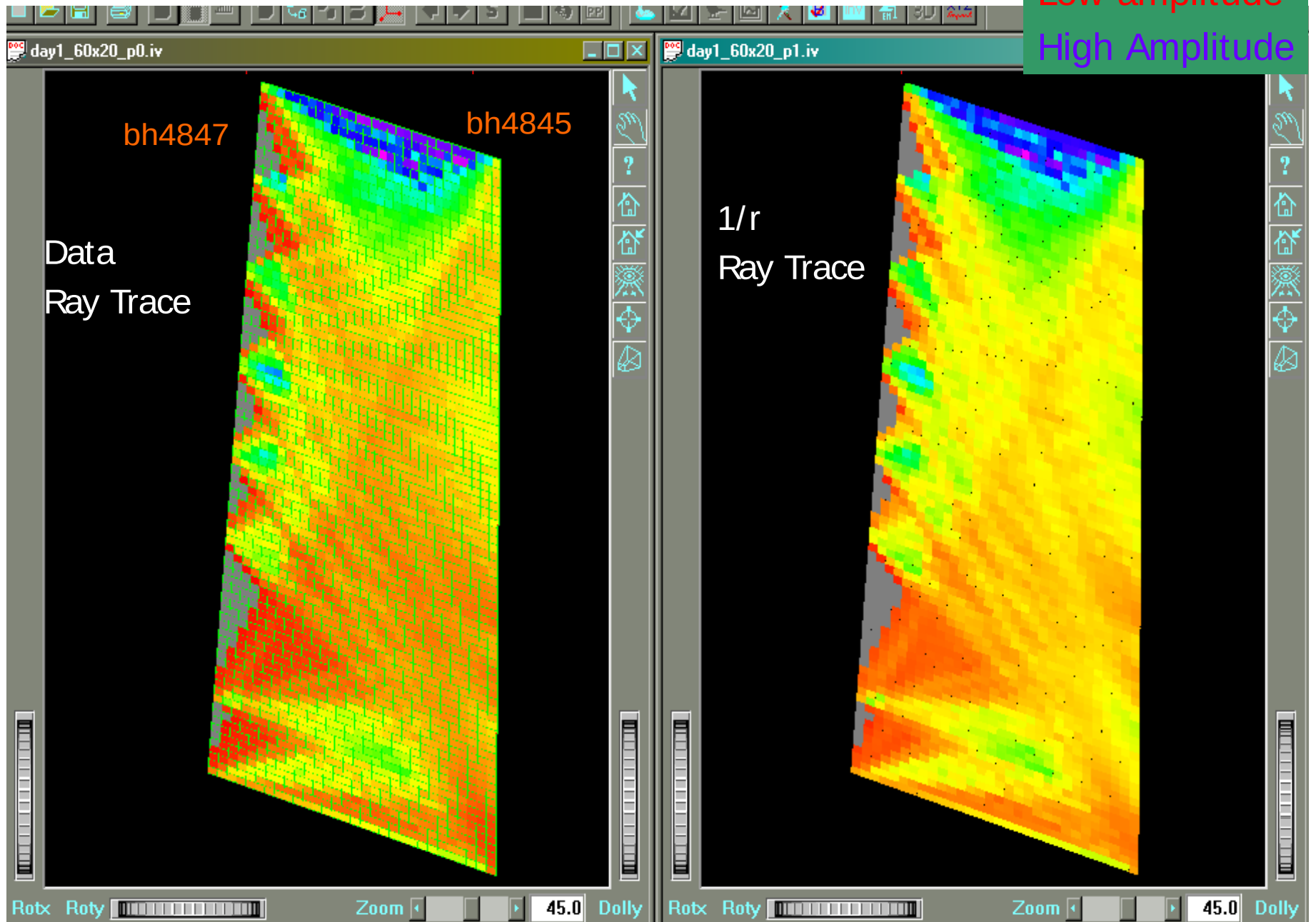
Panels 1 - 600KHz



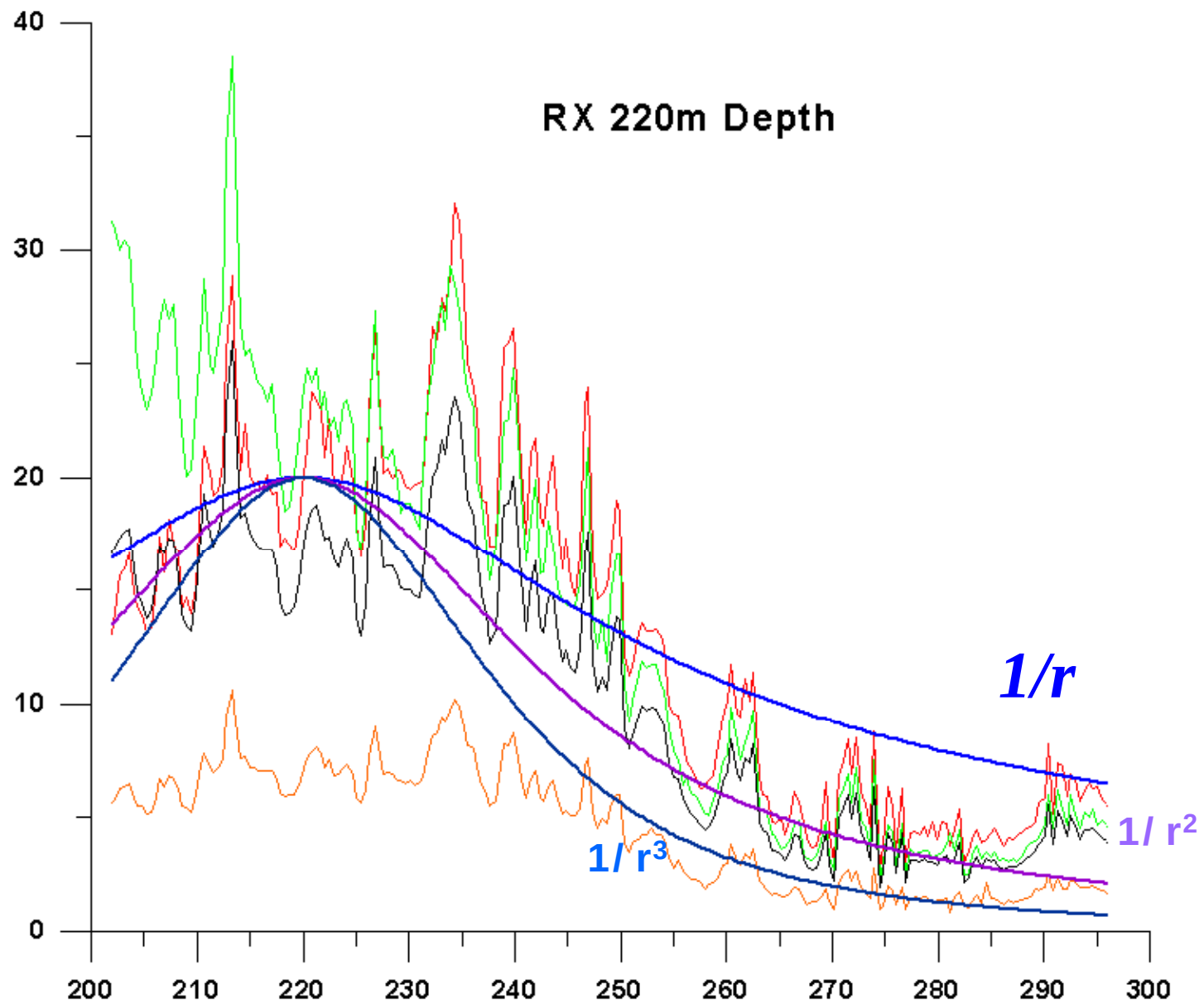
Low amplitude

High Amplitude

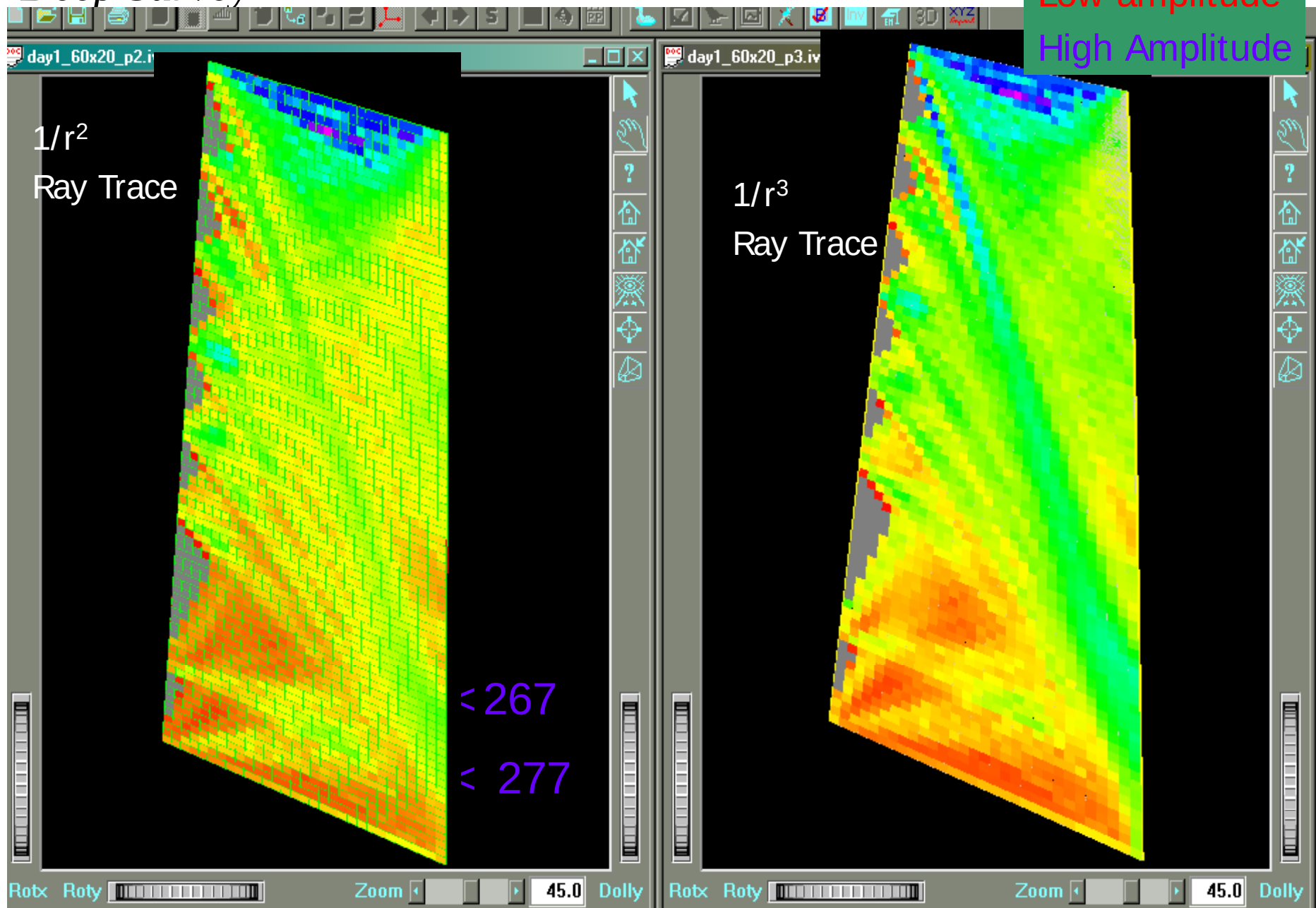
Deep Survey



Deep Survey



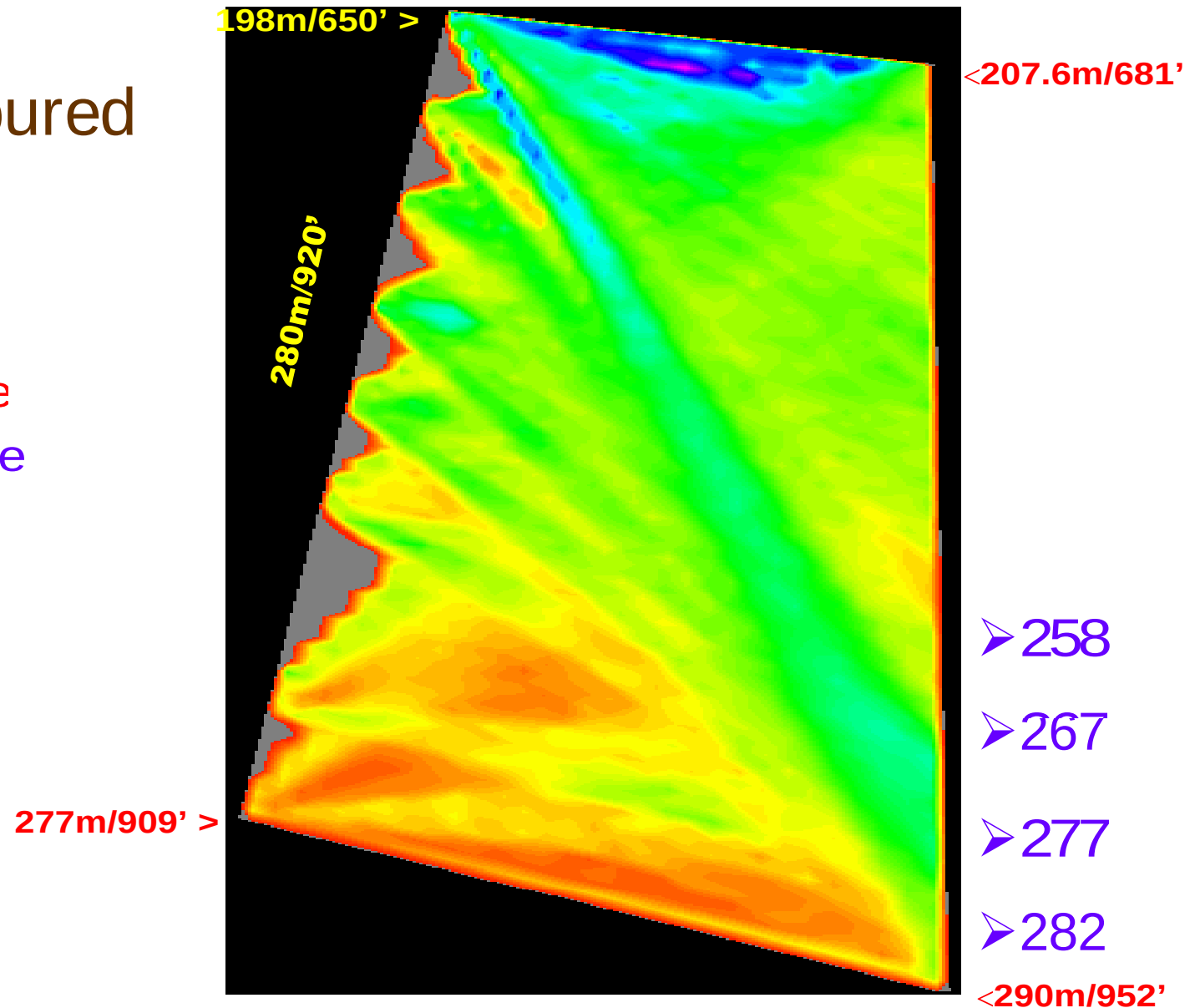
Deep Survey



Deep Survey

1/r³ Contoured Ray Trace

Low amplitude
High Amplitude



Panel 2 - 600KHz

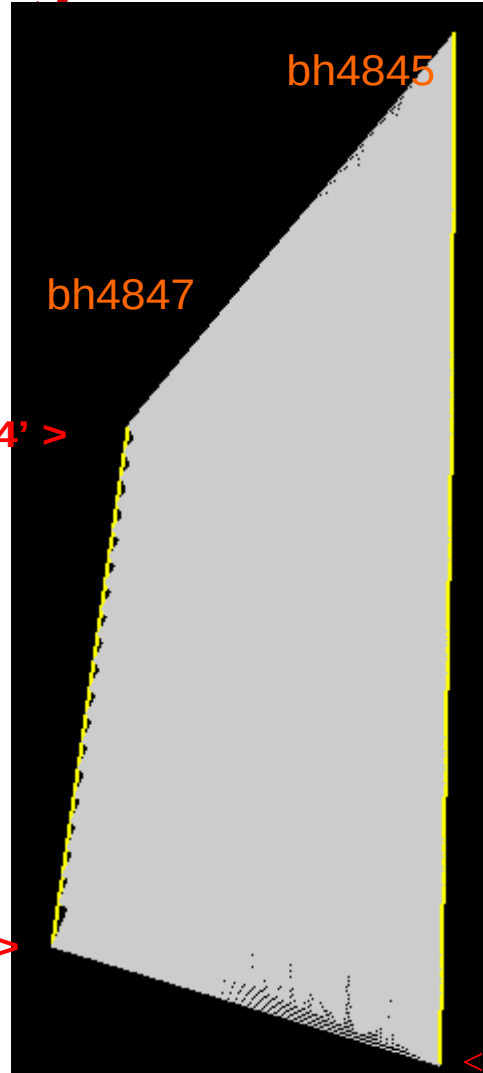
Increased Rx detailing

Deep Survey

Rx'2 $\Delta = 2.5\text{m}$

239m/784' >

288m/945' >



<200m/656'

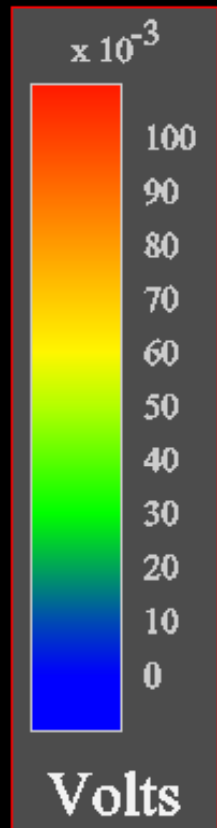
Tx'2 $\Delta = .422\text{m}$

<291m/956'

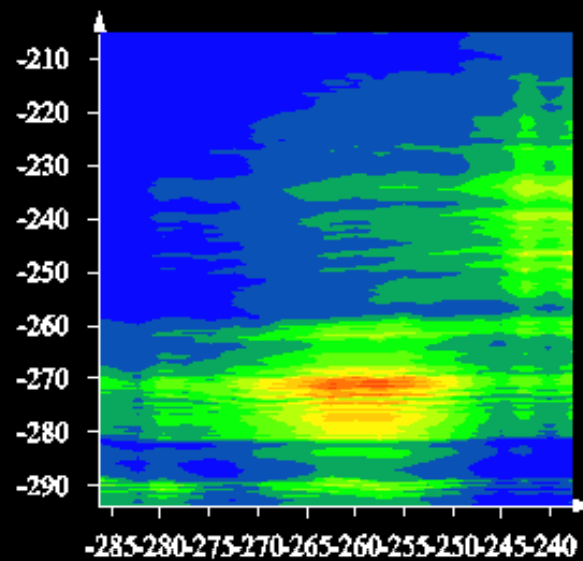
Deep Survey

Panel 2 - 600KHz

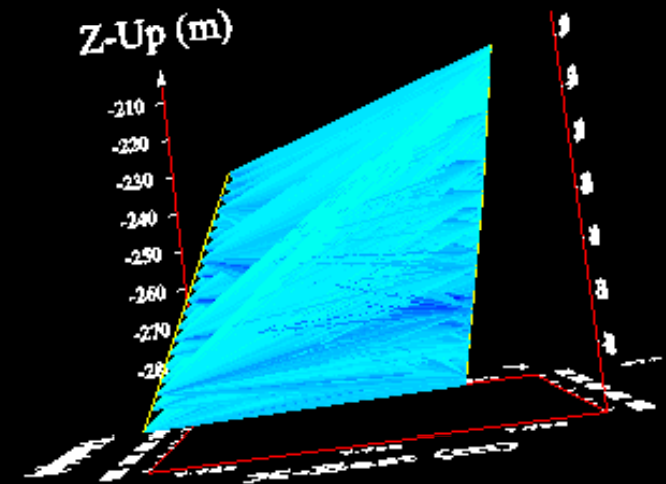
Low amplitude
High Amplitude



Tx Depth,m



Rx Depth,m

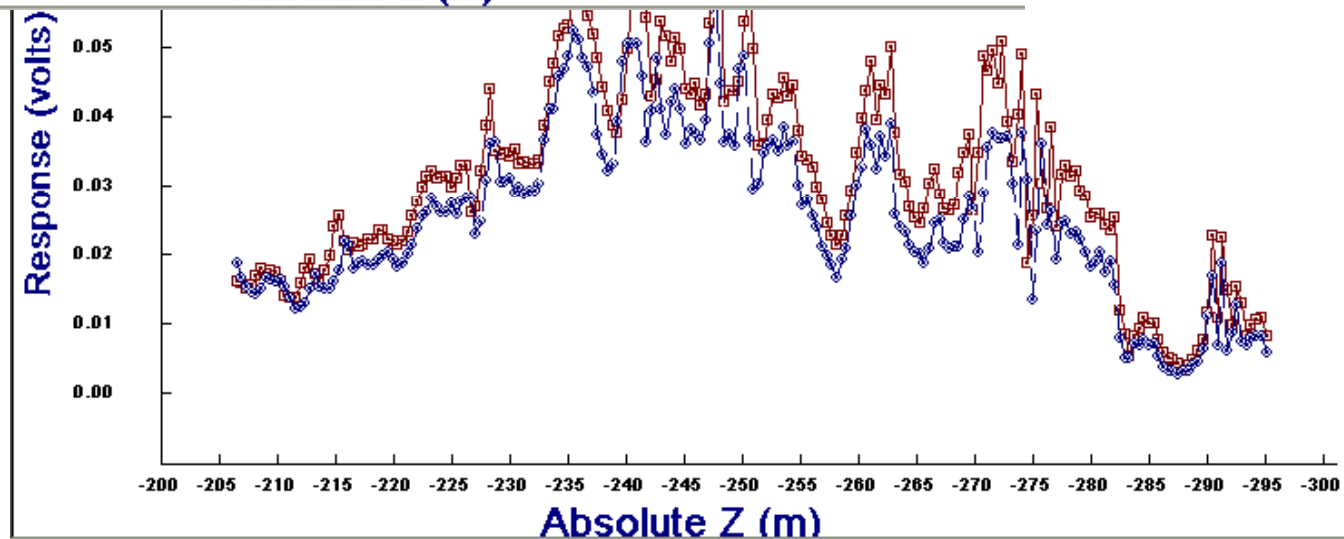
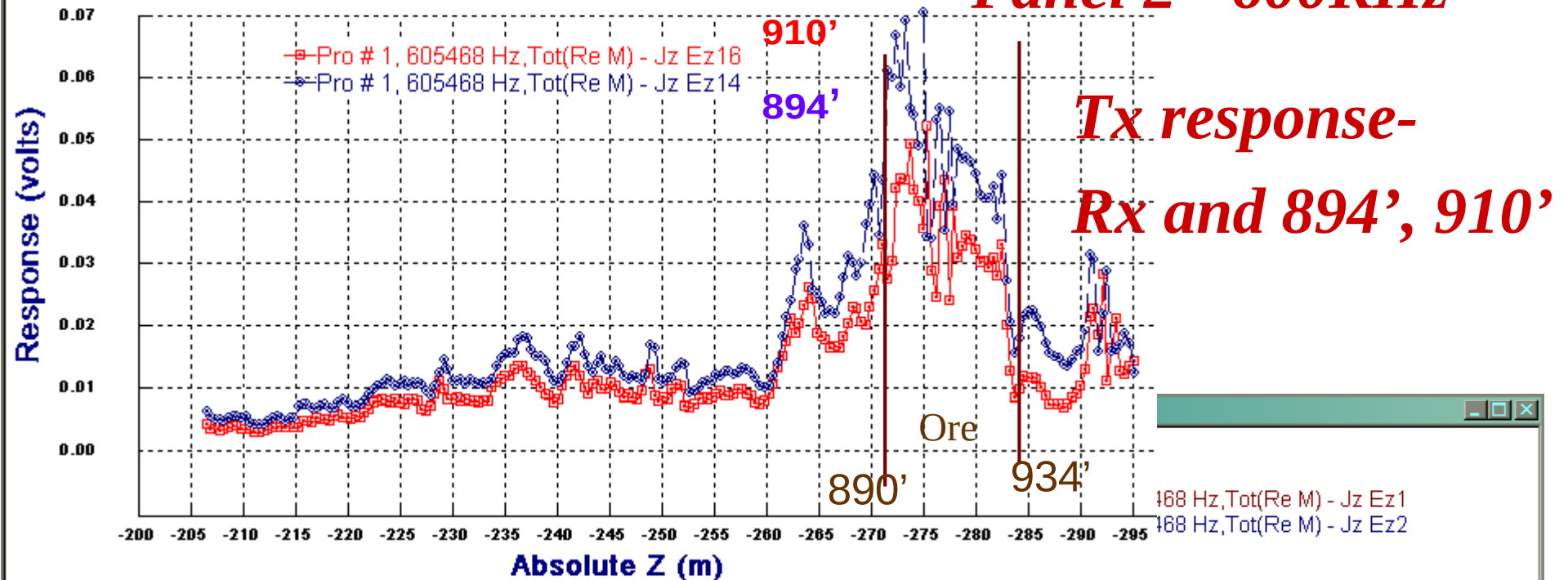


Tx: Jz
Rx: Ez

Deep Survey

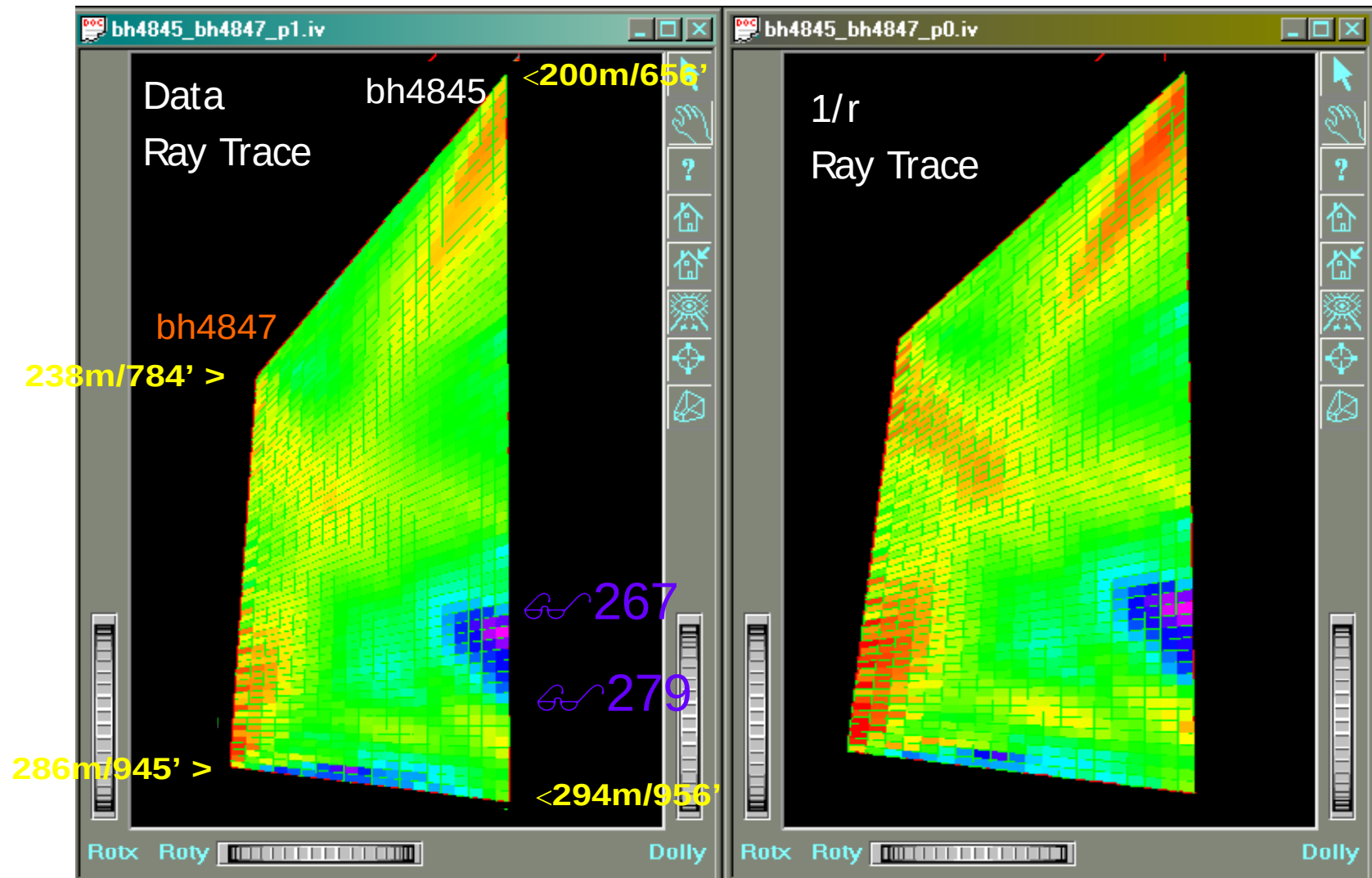
Panel 2 Rx 14 & 16

Panel 2 - 600KHz



Deep Survey

Panel 2 - 600KHz



Low amplitude

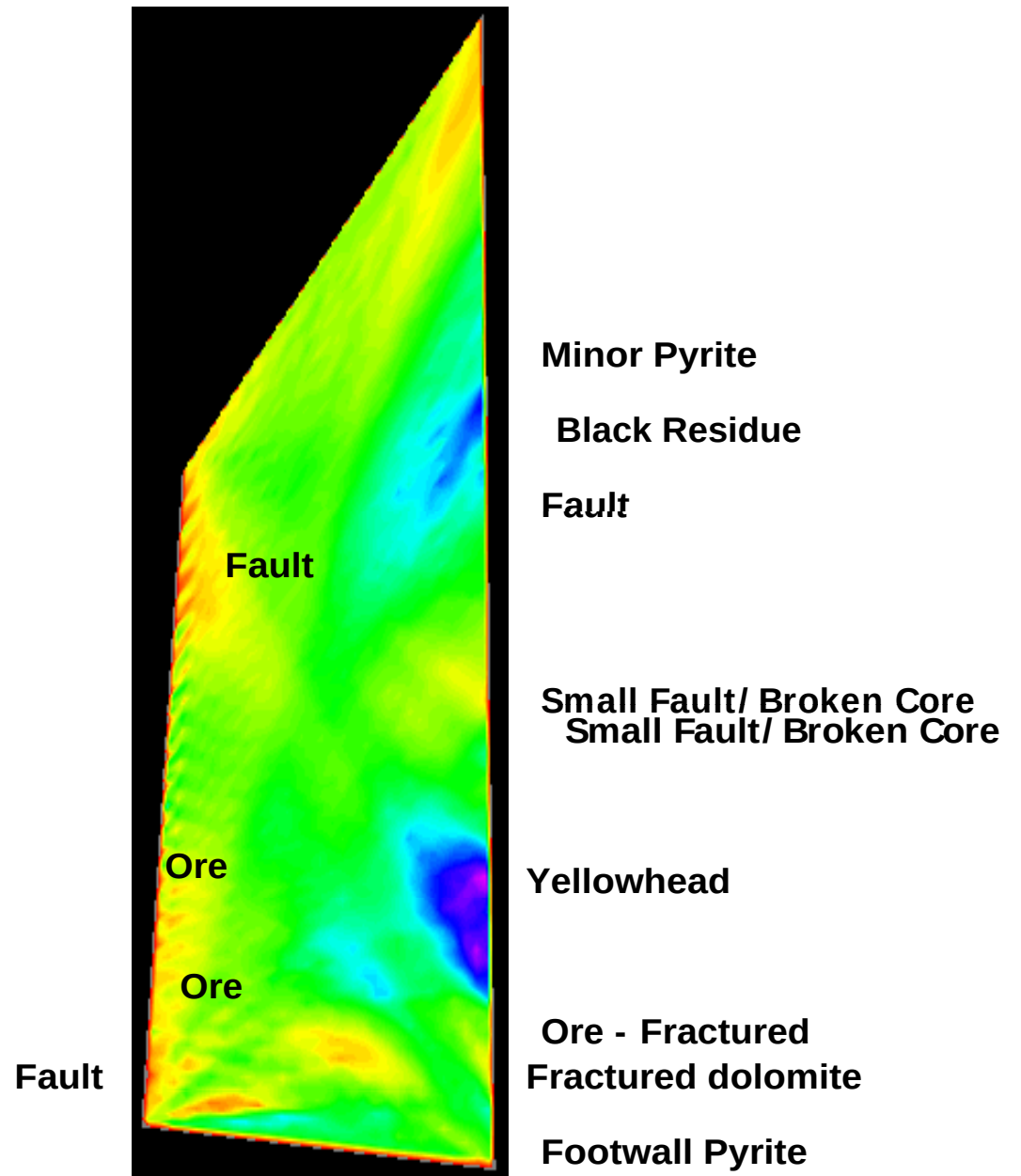
High Amplitude

Deep Survey

Panel 2 - 600KHz

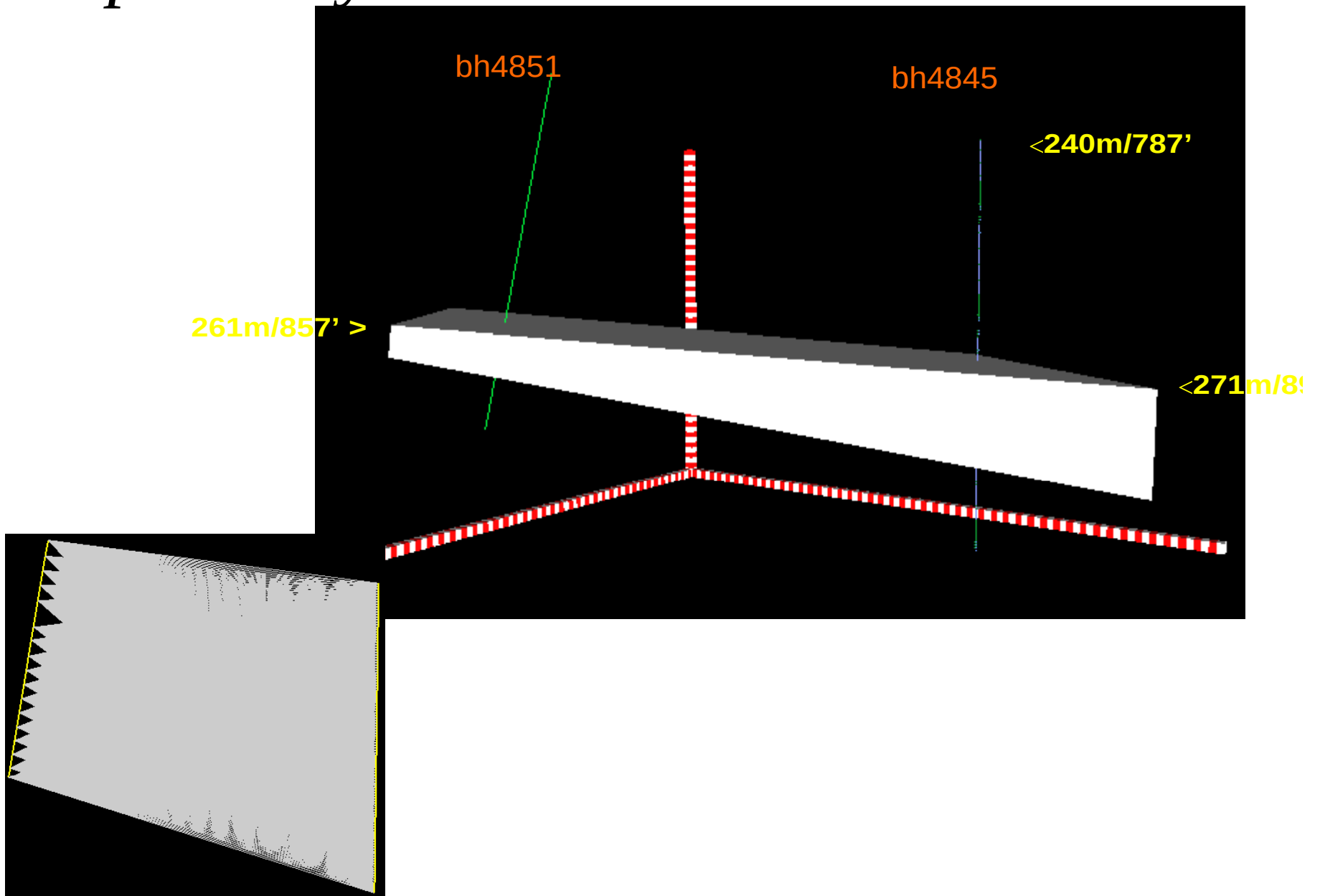
Low amplitude

High Amplitude



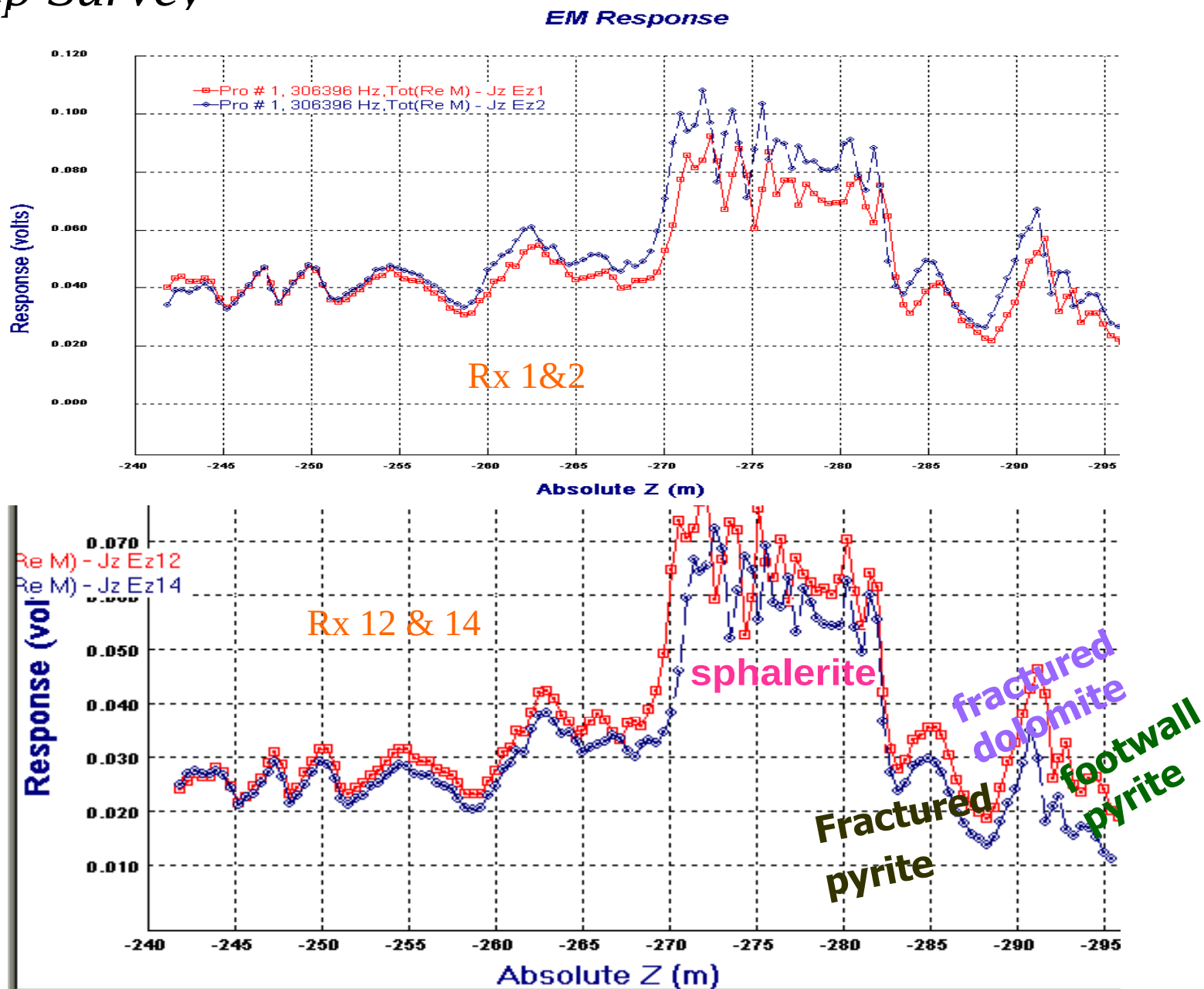
Deep Survey

Panel 3 - 300KHz



Deep Survey

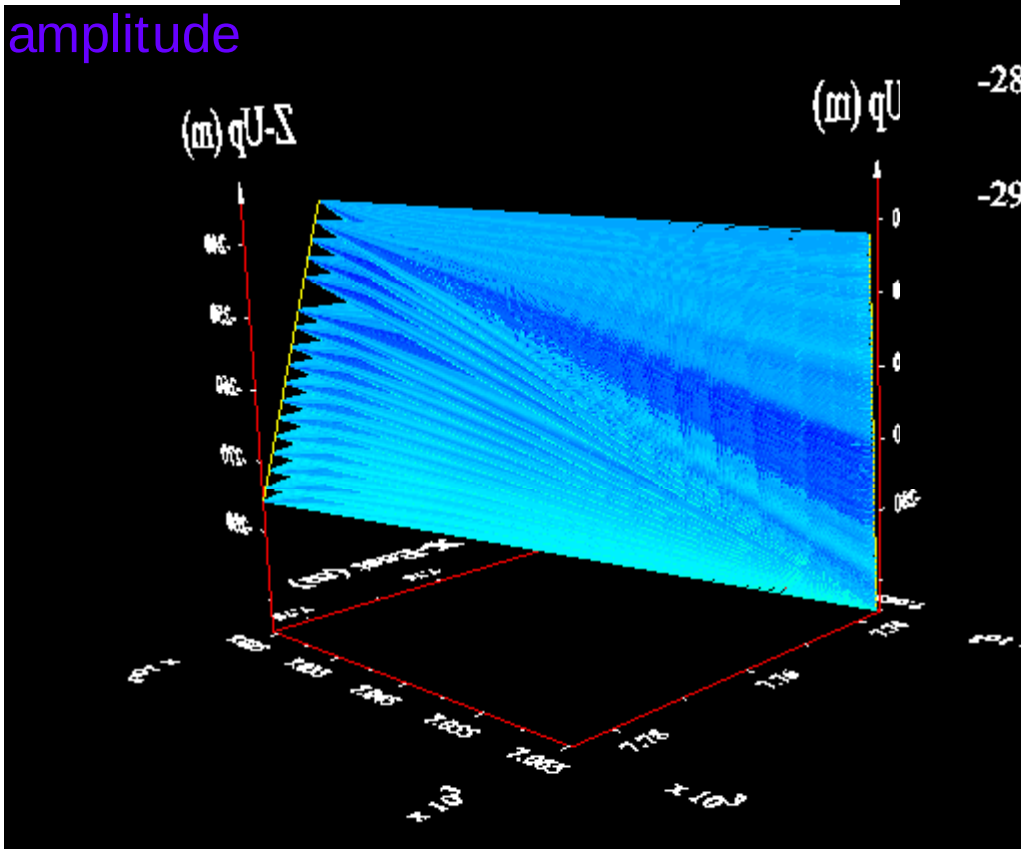
Panel 3 - 300KHz



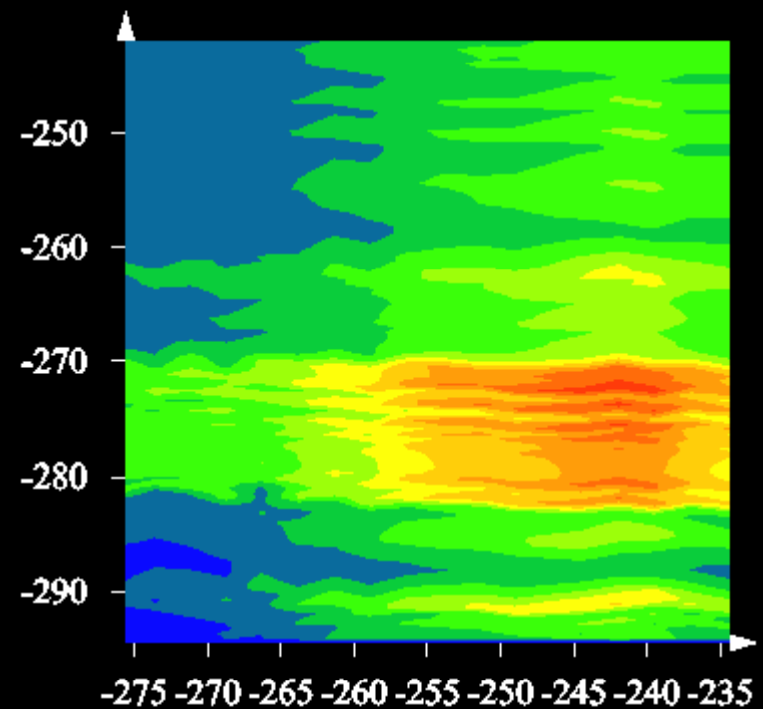
Deep Survey

Panel 3 - 300KHz

High
amplitude



Tx Depth,m



Rx Depth,m

Low amplitude
High Amplitude

Deep Survey

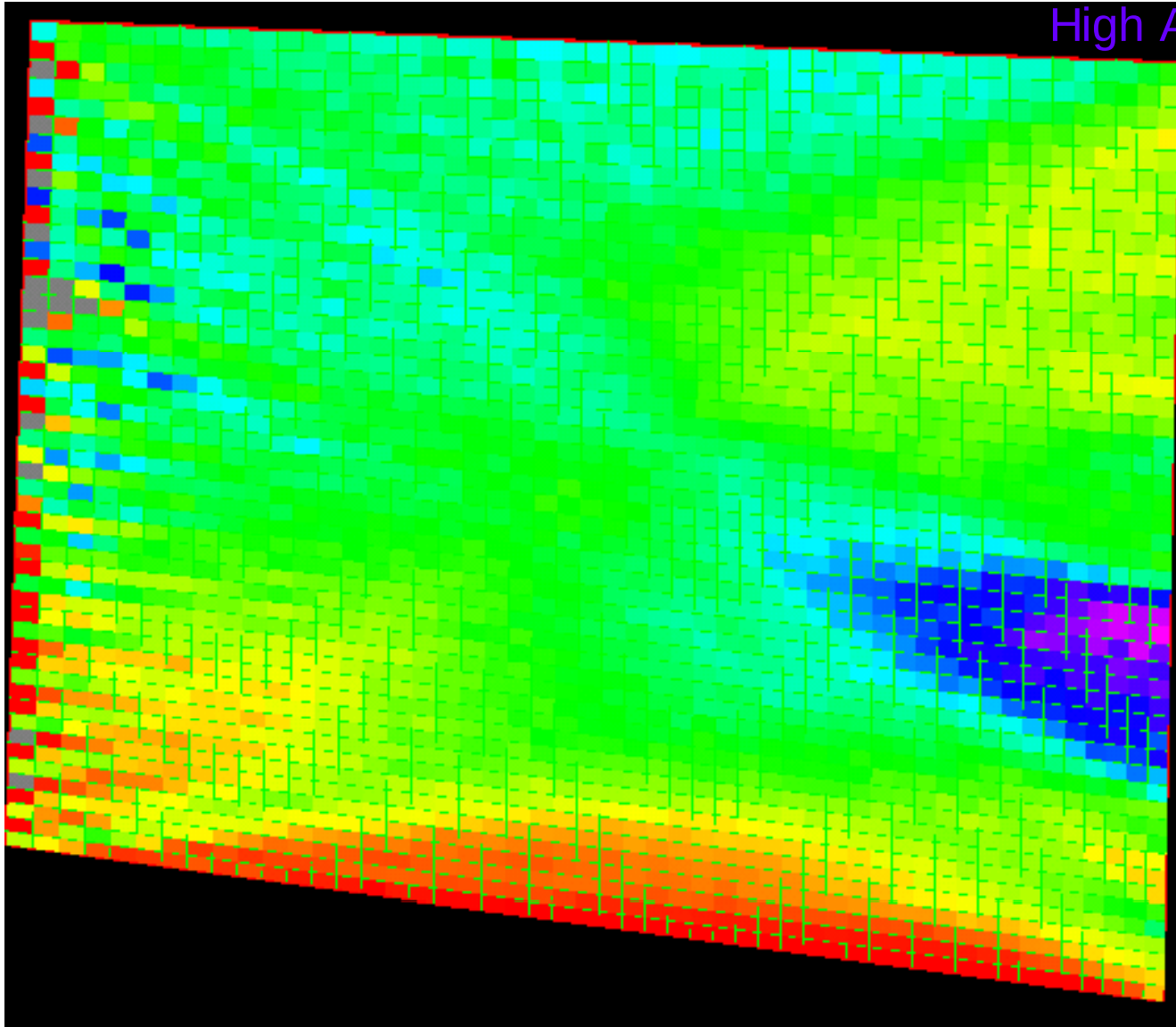
bh4851

Panel 3 - 300KHz

Low amplitude

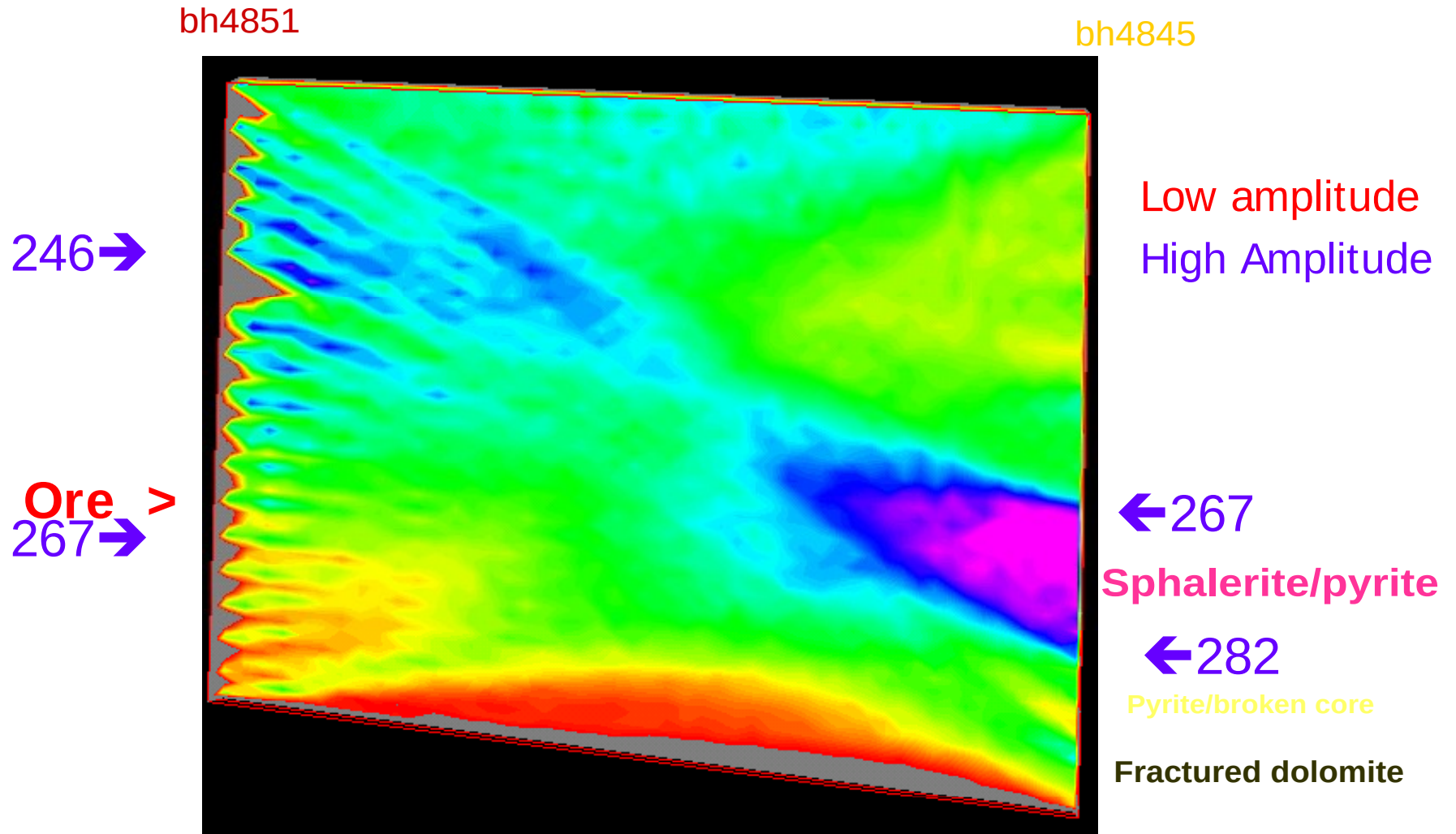
High Amplitude

bh4845



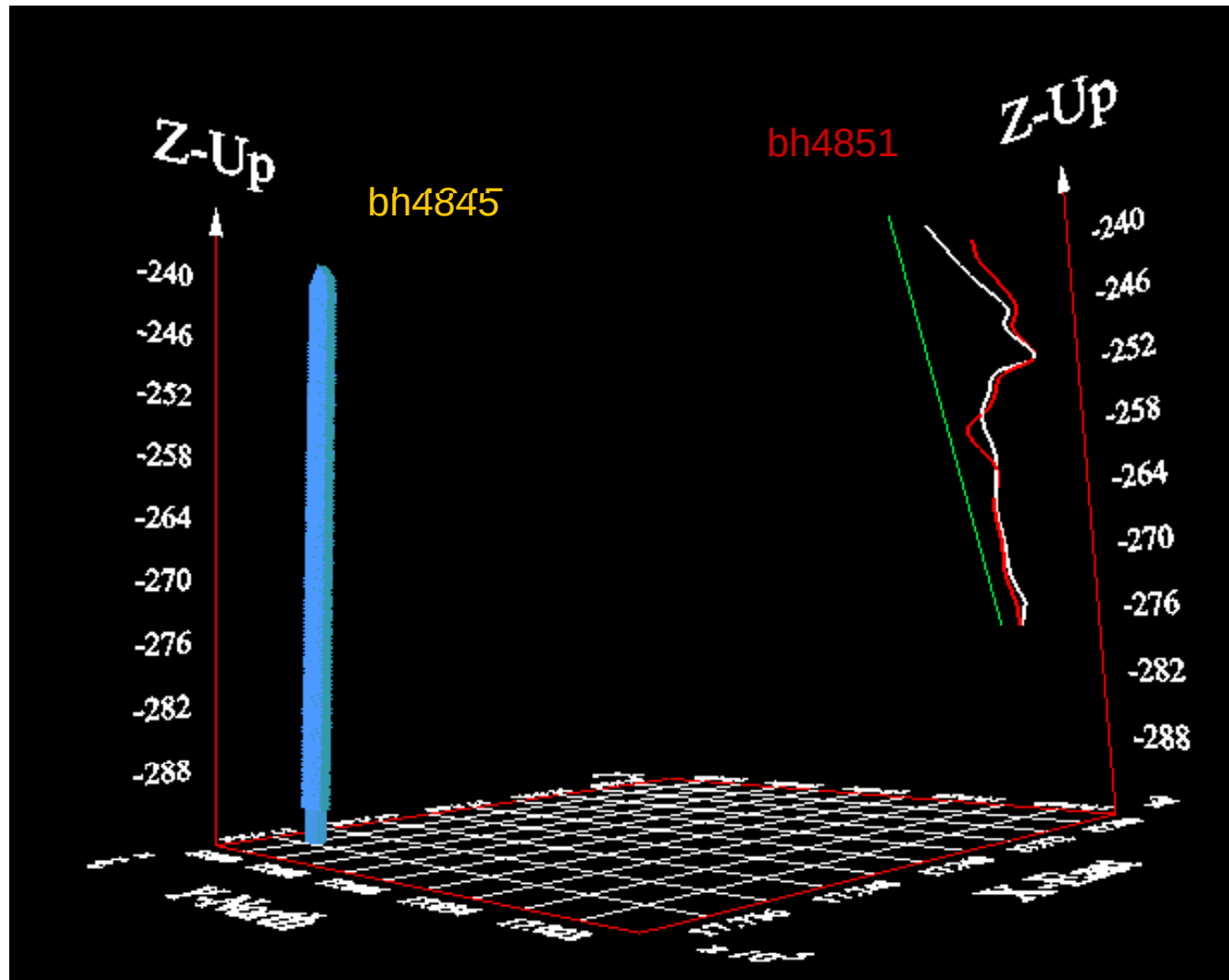
Deep Survey

Panel 3 - 300KHz



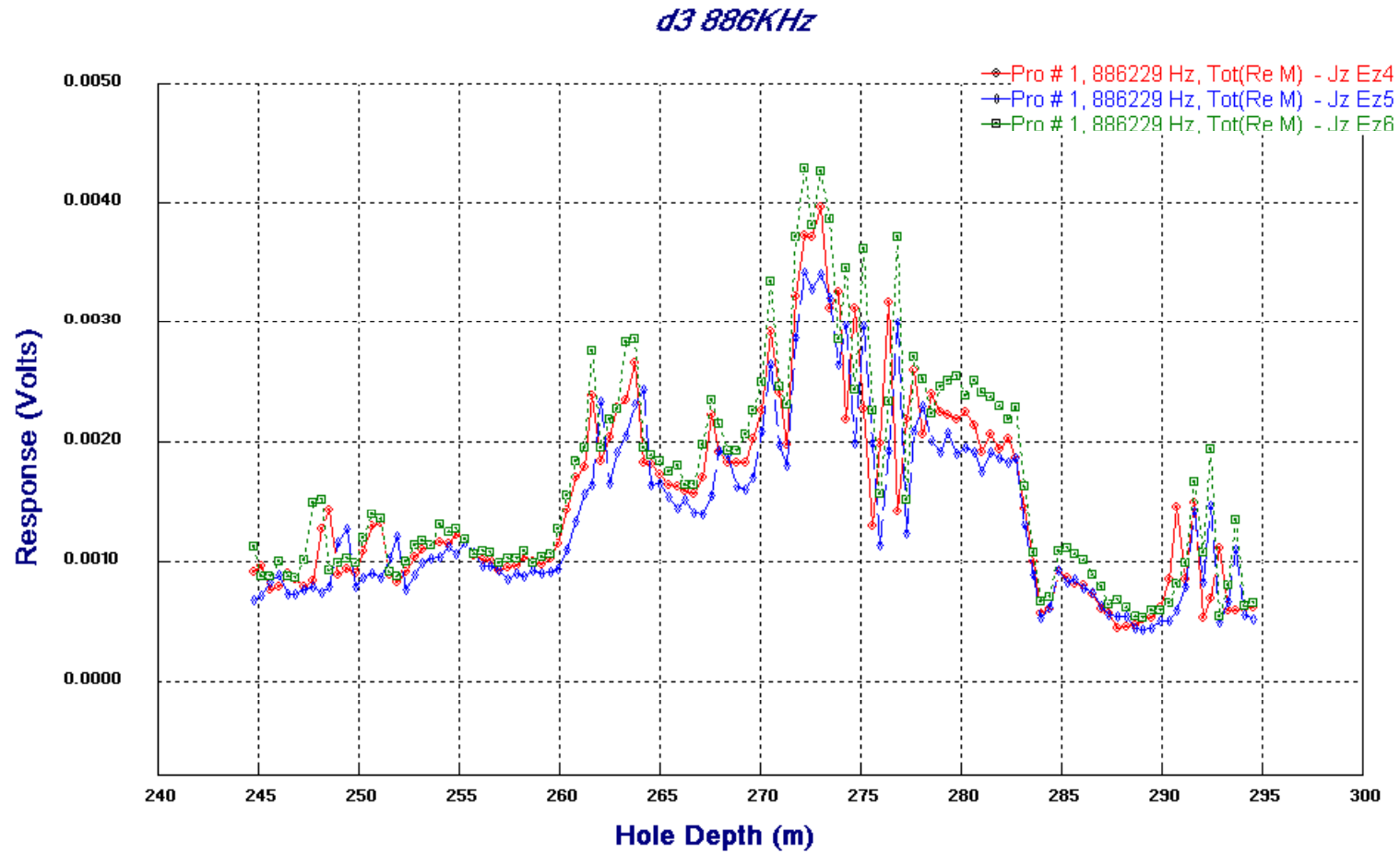
Deep Survey

Panel 4 - 886KHz

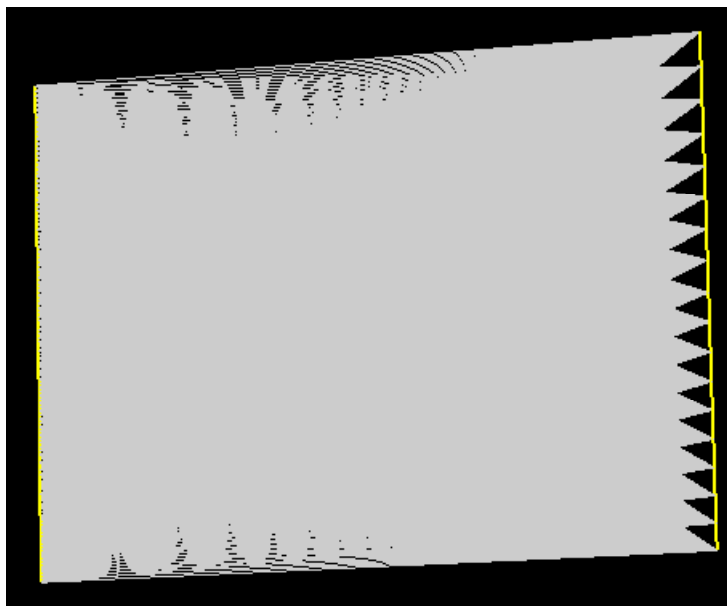


Deep Survey

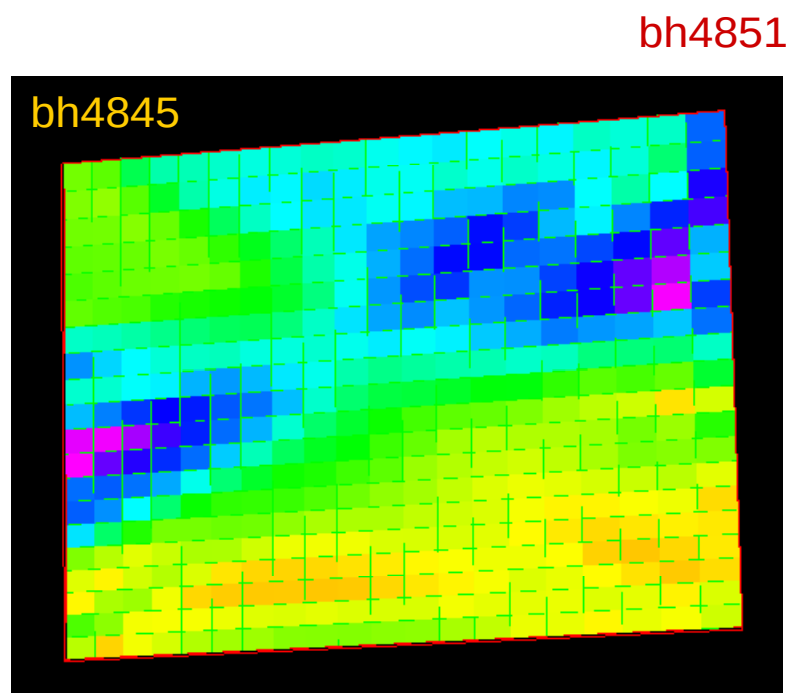
Panel 4 - 886KHz



Deep Survey

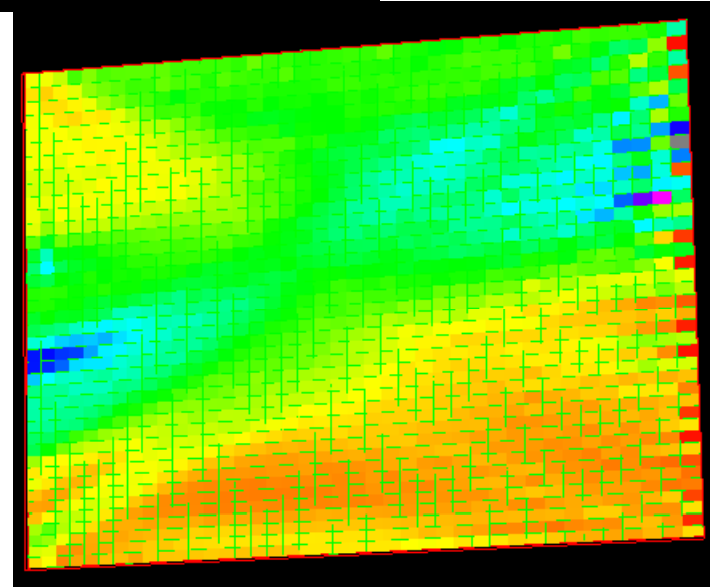
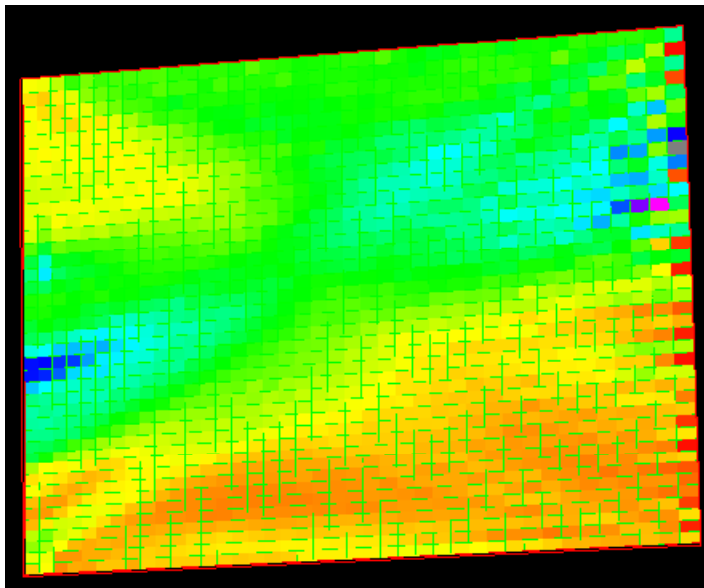
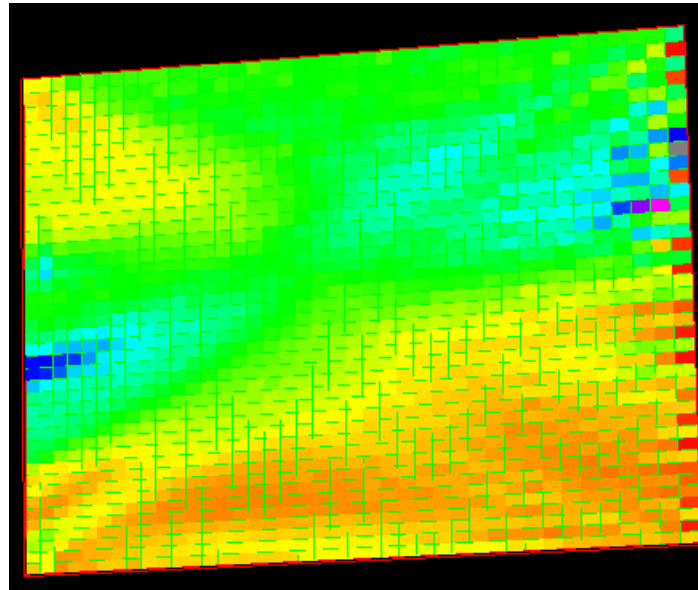
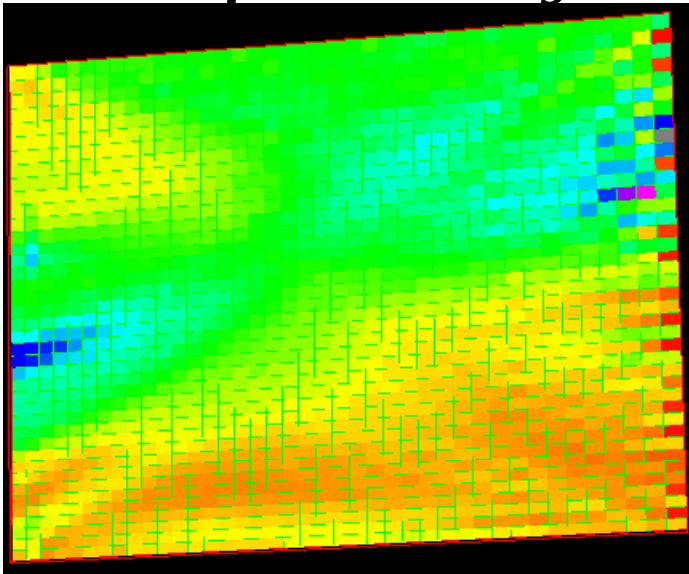


Panel 4 - 886KHz



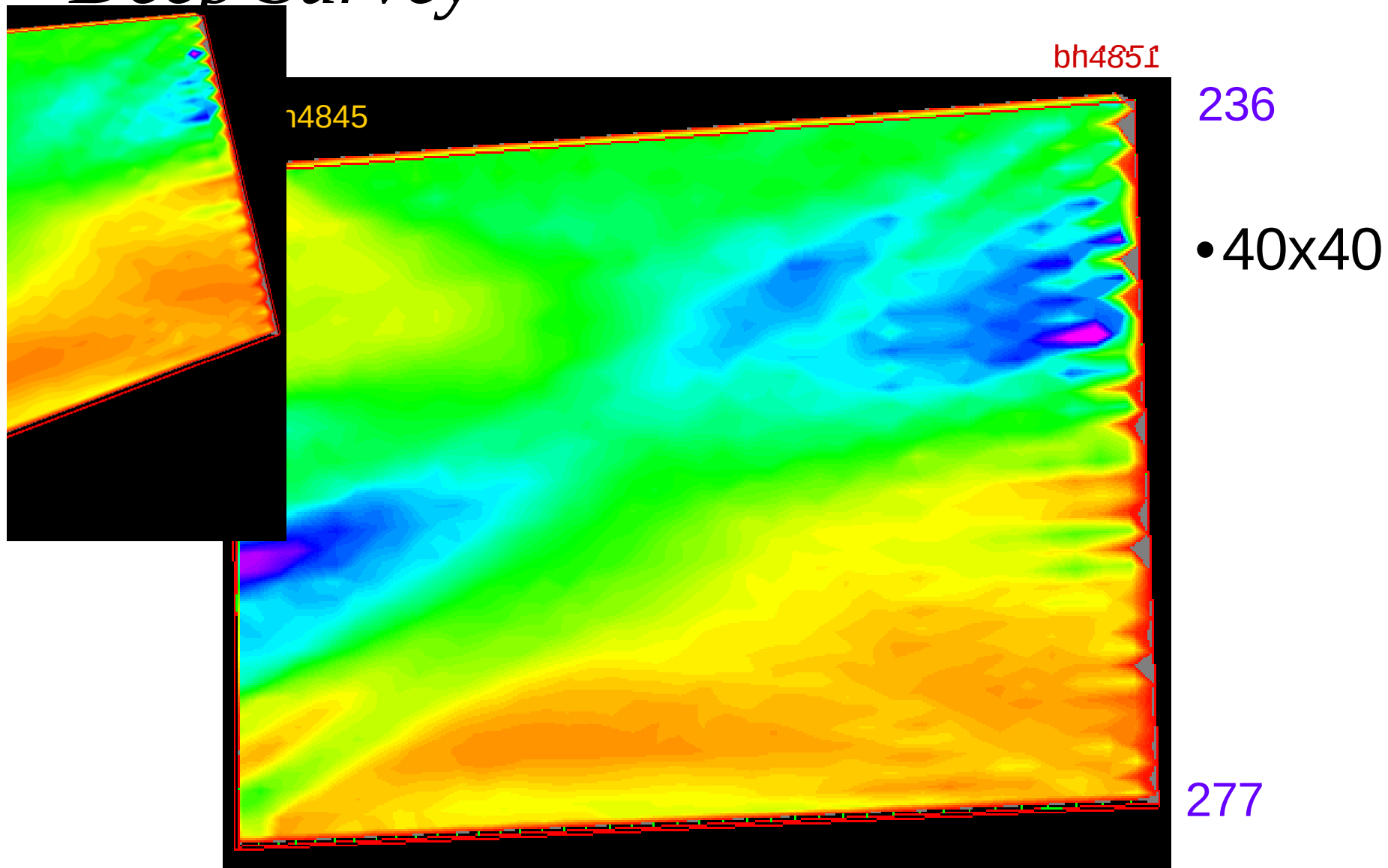
Deep Survey

Panel 4 - 886KHz



Deep Survey

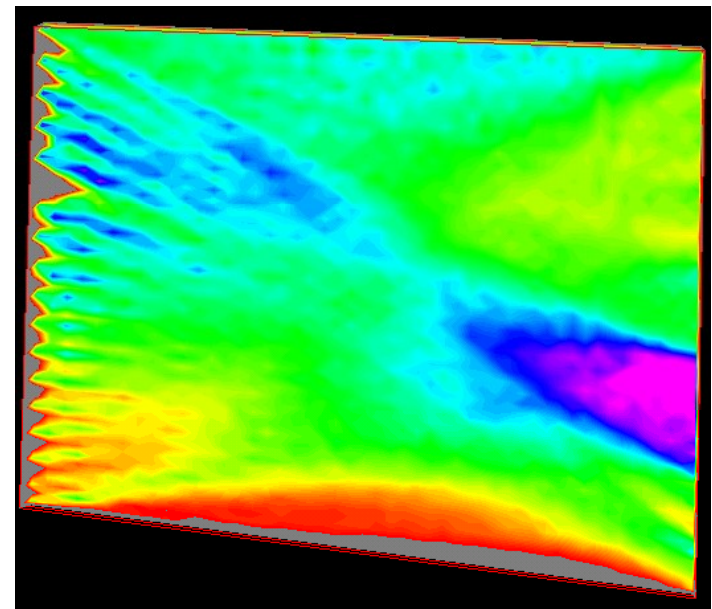
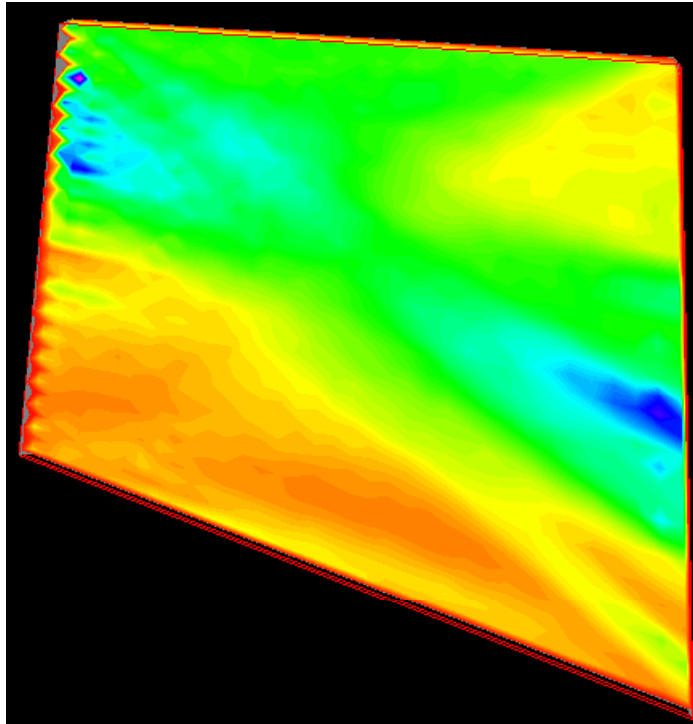
Panel 4 - 886KHz



Deep Survey

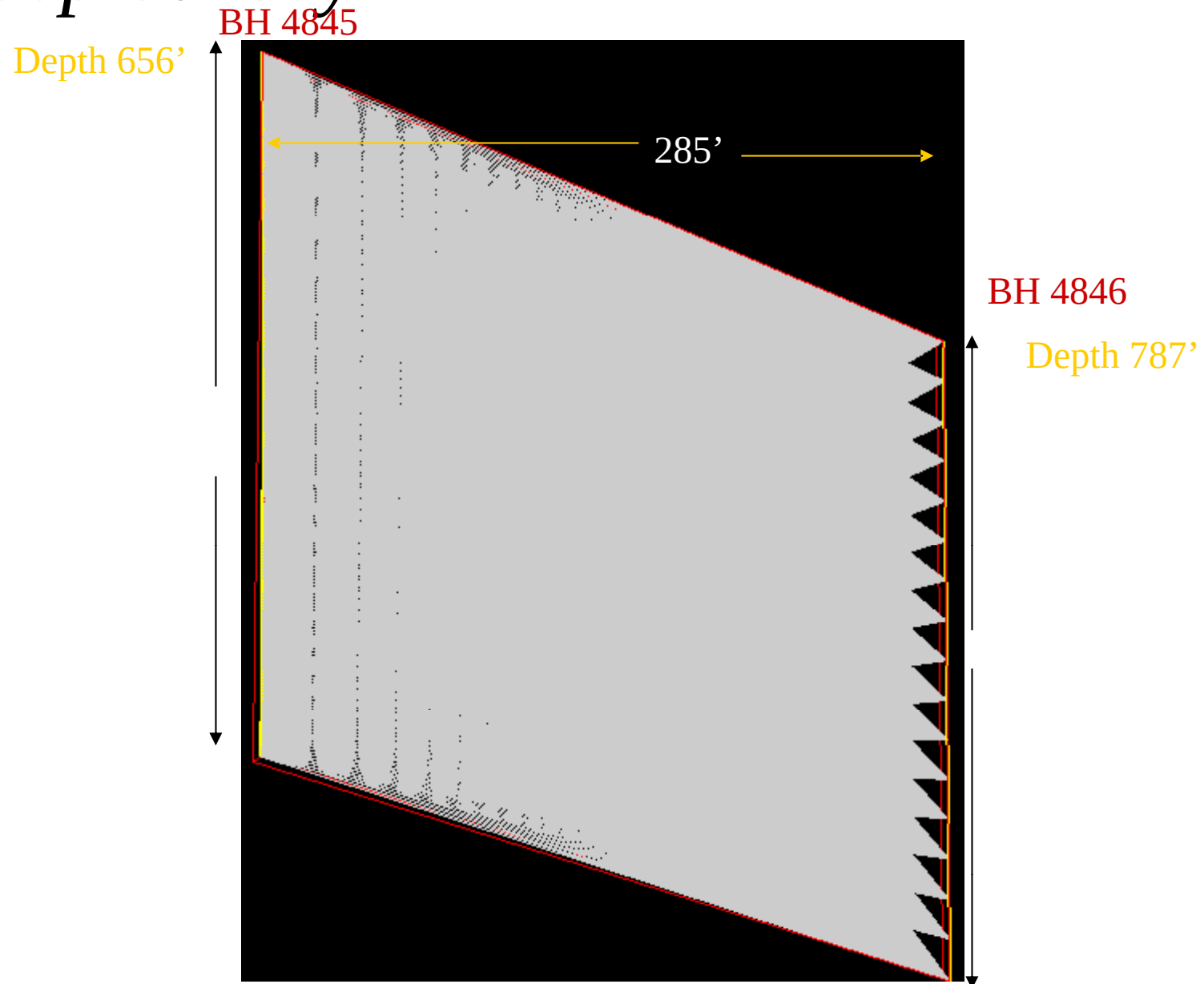
Panel 4 - 886KHz

• 36x36



Deep Survey

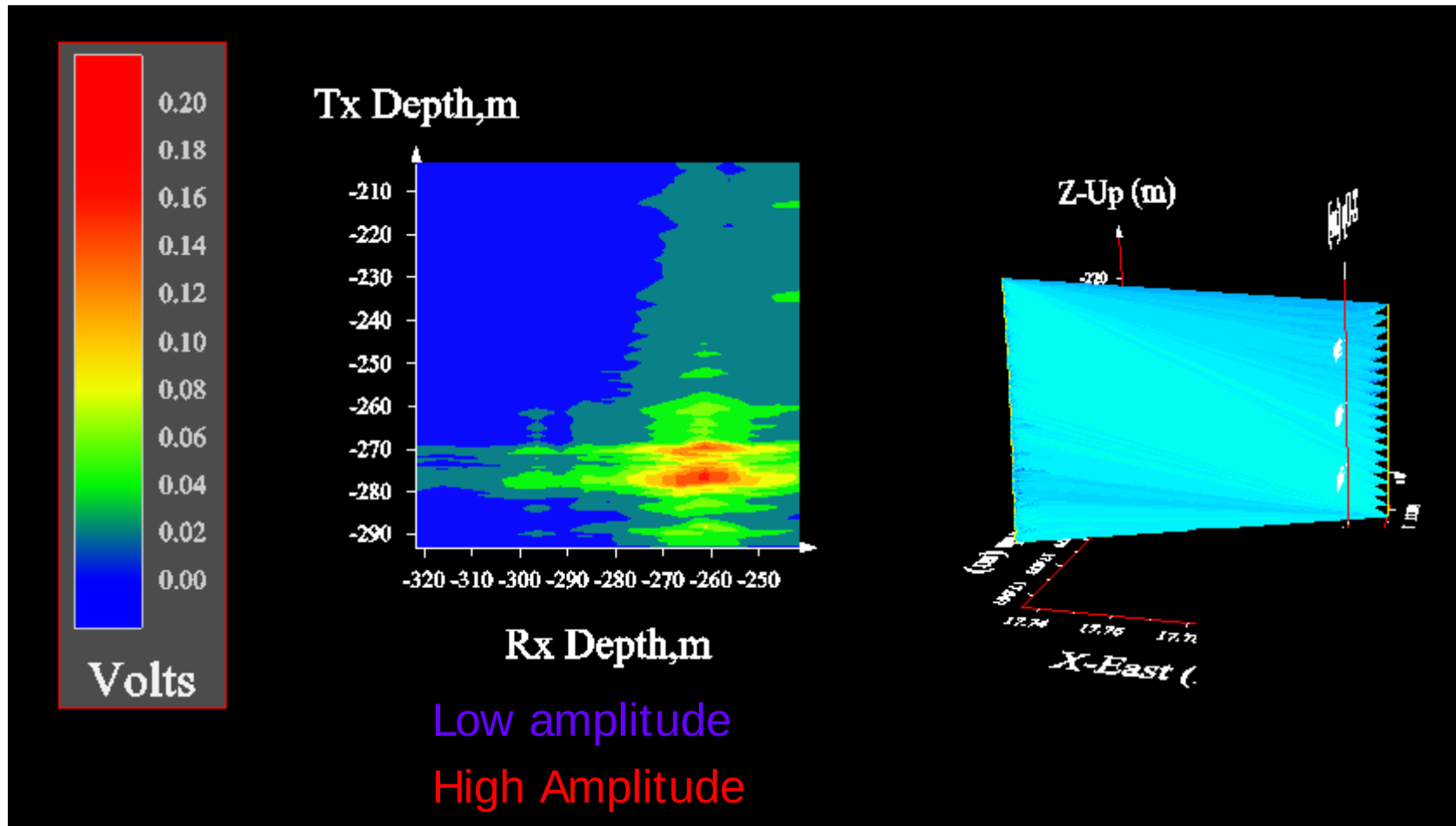
Panel 5 - 265KHz



Deep Survey

Panel 5 - 265KHz

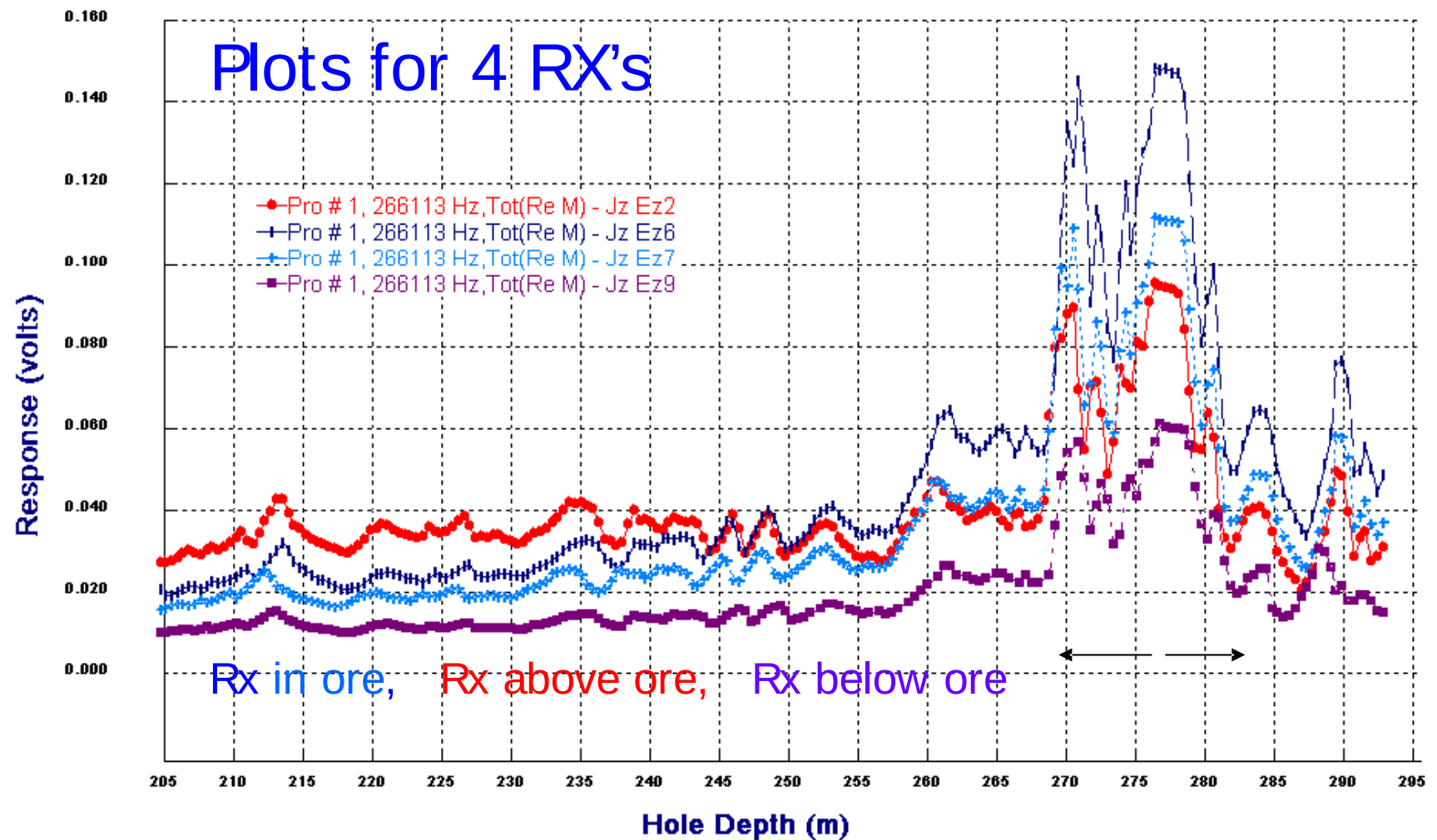
BH 4845 to BH 4846



Deep Survey

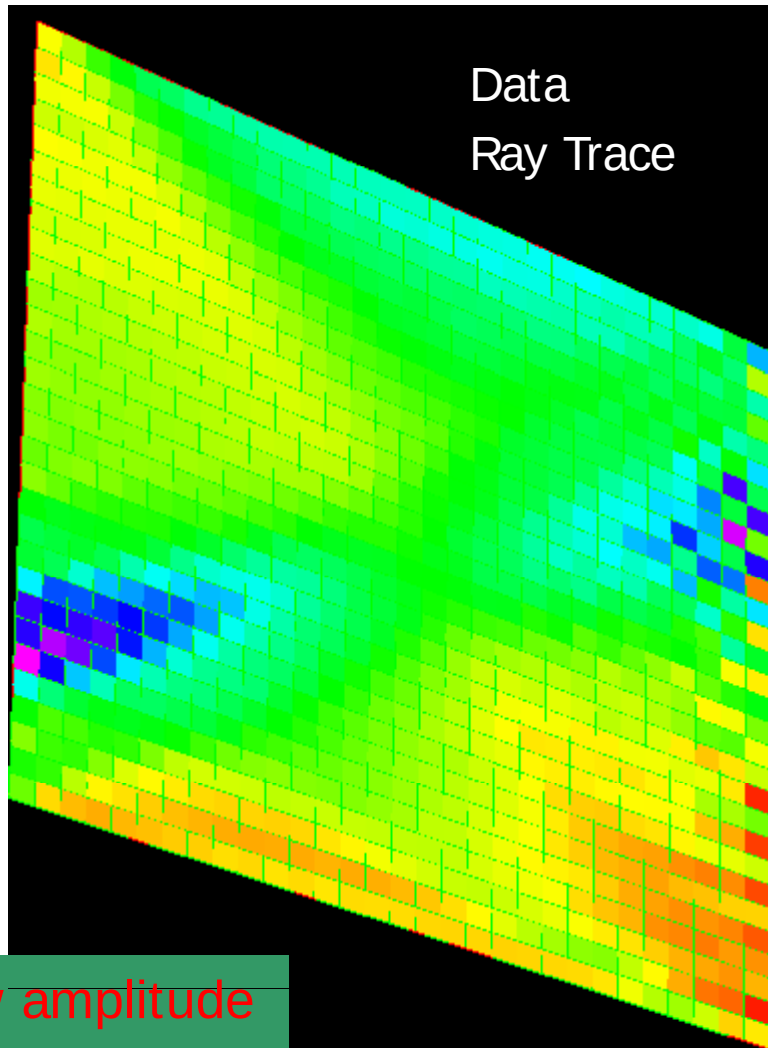
Panel 5 - 265KHz

TX Varying

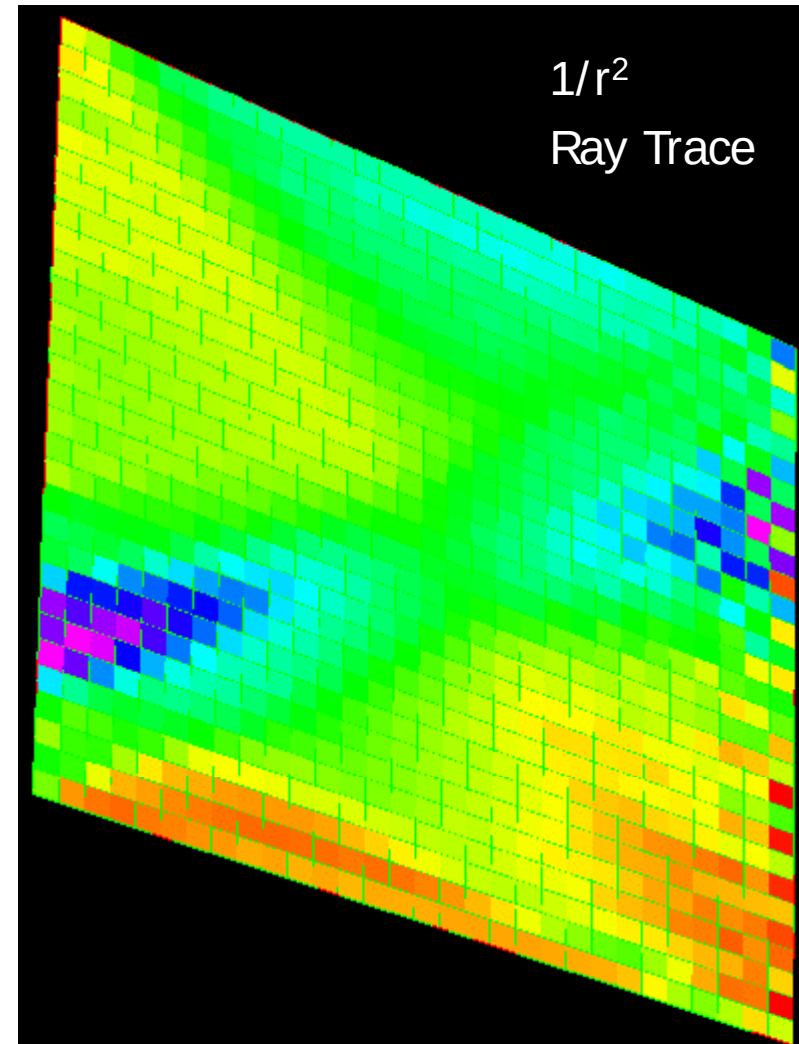


Deep Survey

Panel 5 - 265KHz

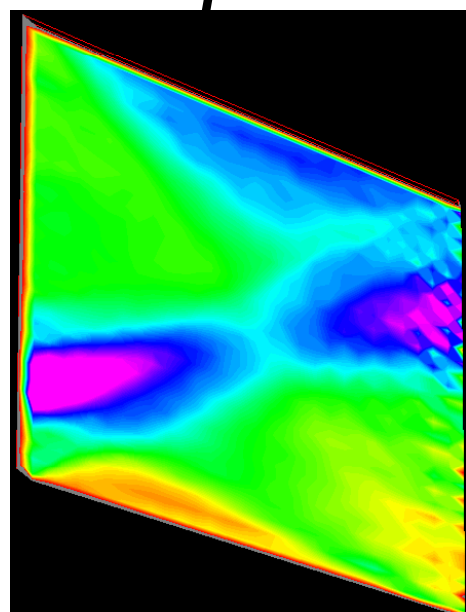


Low amplitude
High Amplitude

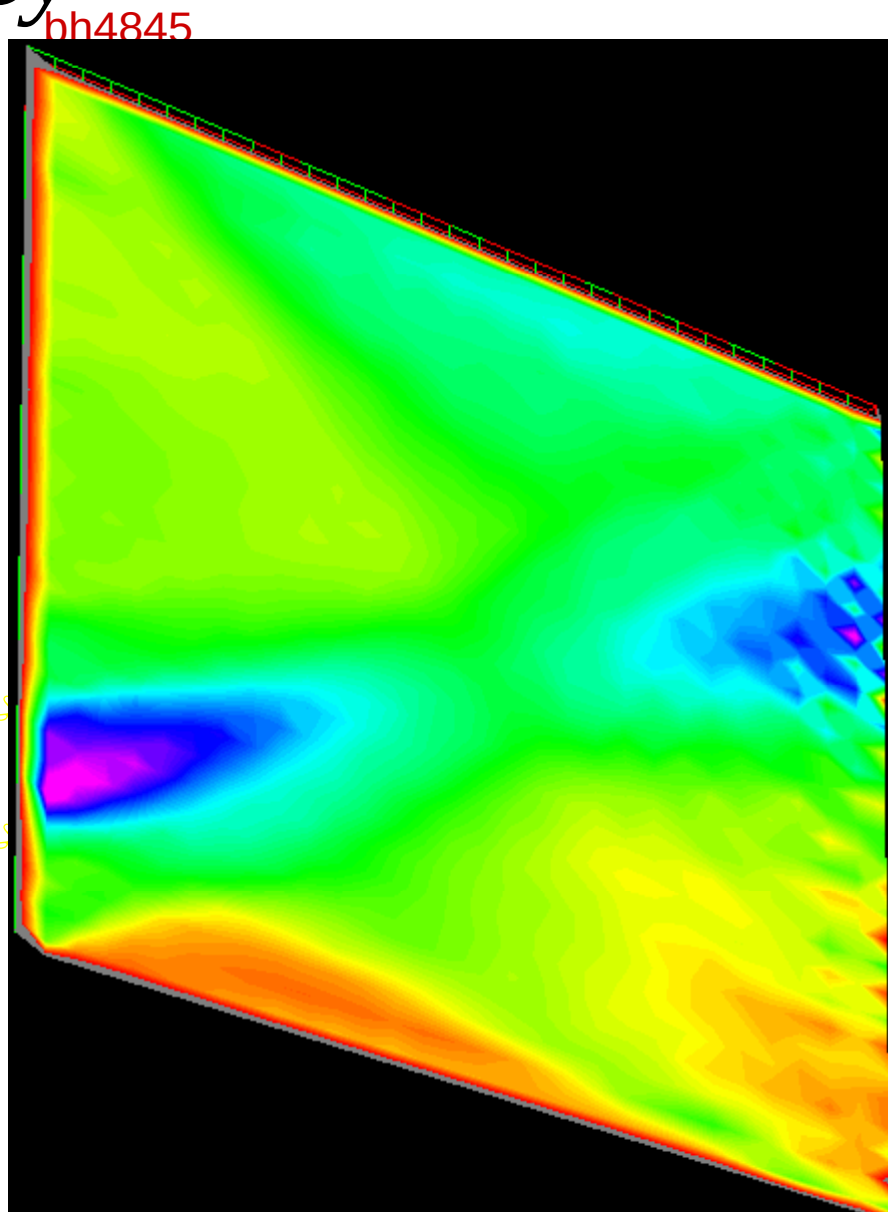


Deep Survey

Panel 5 - 265KHz



271m/890'
ore
283m/931'



Low amplitude
High Amplitude

Bh4846

<263m/865'

<297m/977'
Pyrite footwall

30% pyrite

Deep Survey

Panel 4 - 900KHz bh4845 to bh4851

collected in 2 days requires new software to blend

Panel 5 - 266KHz bh4845 to bh4846

*additional 20 Rx stations - requires new
software to blend data runs*

Deep Survey

