

Geospace Seismic Recorder (GSX)

GSX Line Viewer

As an integral component of the GSX System, the GSX Line Viewer insures faithful seismic data recording in the absence of real-time data viewing.



- The GSX Line Viewer allows the operator to poll each GSX unit and retrieve its operational & spread (geophone) status.
- All operational & spread polling is performed without interrupting or terminating the GSX recording state.
- All spread status can be exported to the FMC for receiver station and shot plan management.



“We’re pulling in the status of the boxes (GSXs) from the line viewers and looking at:

- the health of the GPS,
- the health of the battery,
- the health of the GSX,
- and the health of the geophone deployment as far as spread noise, tilt errors, impedance errors on the geophone. We have that data real time in the line viewer.”

Rob Dunn
Technical Operations Manager
Viking Geophysical Services, Ltd.

“In regard to spread QC, it was really very simple. All we did was put an antenna outside of the vehicle so that we could get a better range to be able to look and talk to the boxes (GSXs). It has worked out very well that our QC vehicles can travel up the line at a very rapid pace and we’re picking up boxes 150 meters from the QC vehicles so we can rapidly check spread with a minimal number of resources.”

Mike Laurin
President
Viking Geophysical Services, Ltd.

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GSX Line Viewer



On foot



From all-terrain vehicles (ATVs)

Truck-mounted line viewer for extended reception range



Helicopter-mounted line viewer for maximum coverage speed and extended reception range



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