

# “OFF THE SHELF” – A Discussion of Seismic Archival and On-Line Access

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## **Summary**

What is seismic data archival? What does on-line mean? What are the issues surrounding data archival? This paper will attempt to answer these questions and discuss much more in the new world of digital archival and on-line access.

This paper will attempt to cover archival principles, what data should be archived, how is it actually done, pitfalls of archival, and how should data be presented back to the user.

We will discuss the reasons why companies are moving from warehouse storage to digital storage and will include items such as protection of the data (stiction issues), reduction of physical data size from warehouse shelves to bookshelves, better opportunities to capture and transfer information about the seismic line and faster turnaround times to retrieve data required by Geophysicists.

We will present the top 5 most common archival and access pitfalls experienced by clients and vendors.

Should companies clean up their data? Why do some companies have a data cleanup project and others don't? What are you missing and can you live without it?

The importance of SEG standards such as SEGP1, SEG Y and SEG RODE encapsulation will be discussed.

Finally, what are the real benefits of doing all this work? What does the rainbow look like to you? Will your seismic data sales increase and will overall costs decrease?

In the new digital race, the above questions are important to understand. We hope you can take away a new perspective and understanding of this new digital world of data archival and on-line access possibilities.