



# CASE STUDY

## Spectra tape and disk solution enables large federal agency to analyze and communicate environmental information

“The combination of Spectra’s TFinity enterprise tape storage technology and NAS solution help this crucial agency to function at the highest possible levels of performance 24/7 and 365 days a year with a stable, reliable and robust system from end to end.”

*Nathan Thompson, CEO, Spectra Logic*



### About Spectra Logic Federal

Spectra Logic has more than three decades of experience in providing secure data storage solutions to Federal IT departments and addressing their unique data protection requirements. Spectra provides an integrated approach towards both disk and tape solutions, with installations at the U.S. State Department, the Department of Defense, NASA, and many other agencies. Spectra Logic Tape Libraries add an extra layer of data security with integrated AES-256 bit encryption, operating transparently along with the data backup. As the leading company solely dedicated to data archive and backup, Spectra Logic is invested in resolving the special needs of its Federal customers as it relates to secure data protection.

### The Challenge:

#### Customer Needed a Newer, High Capacity System to Efficiently Manage Quadrupling Data Set

A large United States Federal agency that conducts research in the environmental and climate space previously used Oracle 8500 and IBM TS3500 libraries to manage and protect approximately 50PB of satellite weather data. When the agency launched several new satellites, data quadrupled and they decided to invest in a larger tape system from a single vendor.

### The Solution:

#### Feature-Rich Tape and Disk Solution from a Single Vendor

The federal agency issued an RFP to every major vendor in the storage industry, which revealed that Quantum and IBM were both too expensive, and that Oracle lacked the required features and functionality to support their data management needs. Two Spectra® TFinity® Tape Libraries were chosen for long-term data preservation, due to their features and functionality at the best price.



# CASE STUDY: Federal Agency for Weather and Climate Analysis

## Results

When a subsequent disk RFP was issued, the agency chose Spectra Logic again and implemented a 1PB Spectra NAS Solution for backup, which includes failover between systems. They are currently working on adding capacity to one of their TFinity tape libraries.

## Why Spectra?

- Industry's highest scalability
- Disk and tape solution from a single vendor
- Cost effective solution
- Features and functionality
- Upgrade from older Oracle and IBM libraries

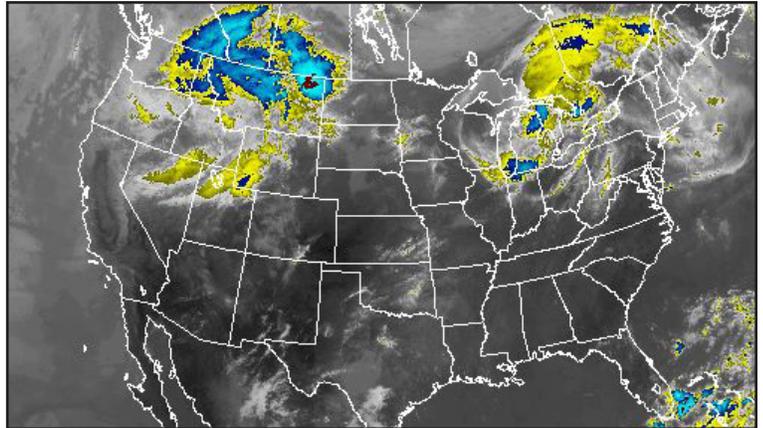
## Environment Snapshot

- Spectra NAS Solution
- Two 8-frame Spectra TFinity tape libraries
- LTO-6 drives and media
- IBM HPSS software
- 50 PB unclassified Federal Data

## Solution Recap

The Spectra NAS Solution is the optimal disk platform for the storage of mid-tier data, including primary storage offload, data staging, backup and archiving. Flexible, simple and affordable, Spectra NAS delivers file storage for as low as 7.5 cents per gigabyte. The expandable disk solution provides raw storage capacities from 48TB to 10.7PB.

Spectra Logic develops data storage solutions that solve the problem of long-term storage for business and technology professionals dealing with exponential data growth. Dedicated solely to storage innovation for nearly 40 years, Spectra Logic's uncompromising product and customer focus is proven by the largest information users in multiple vertical markets globally. Spectra enables affordable, multi-decade data storage and access by creating new methods of managing information in all forms of deep storage – including archive, backup, cold storage, cloud and private cloud.



Satellite weather analysis and prediction maps generate vast amounts of stored data.

