

# High-Bandwidth Scientific Data Management Using Storage Area Networking: Lessons Learned at the Starfire Optical Range



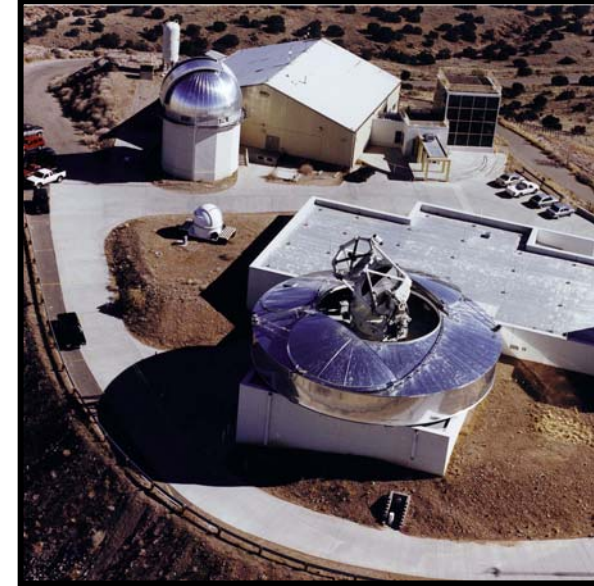
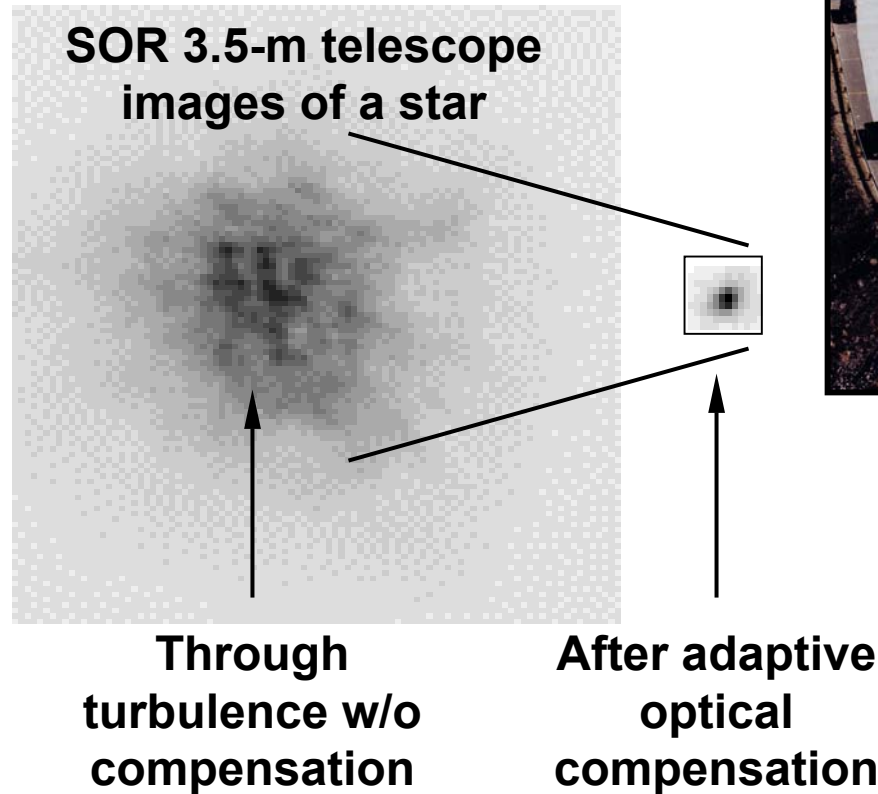
**Terry Duncan**  
**Chief Engineer**  
**Starfire Optical Range**  
**Directed Energy Directorate**  
**Air Force Research Laboratory**



# Starfire Optical Range (SOR)

**The Starfire Optical Range is the premier site for adaptive optical research**

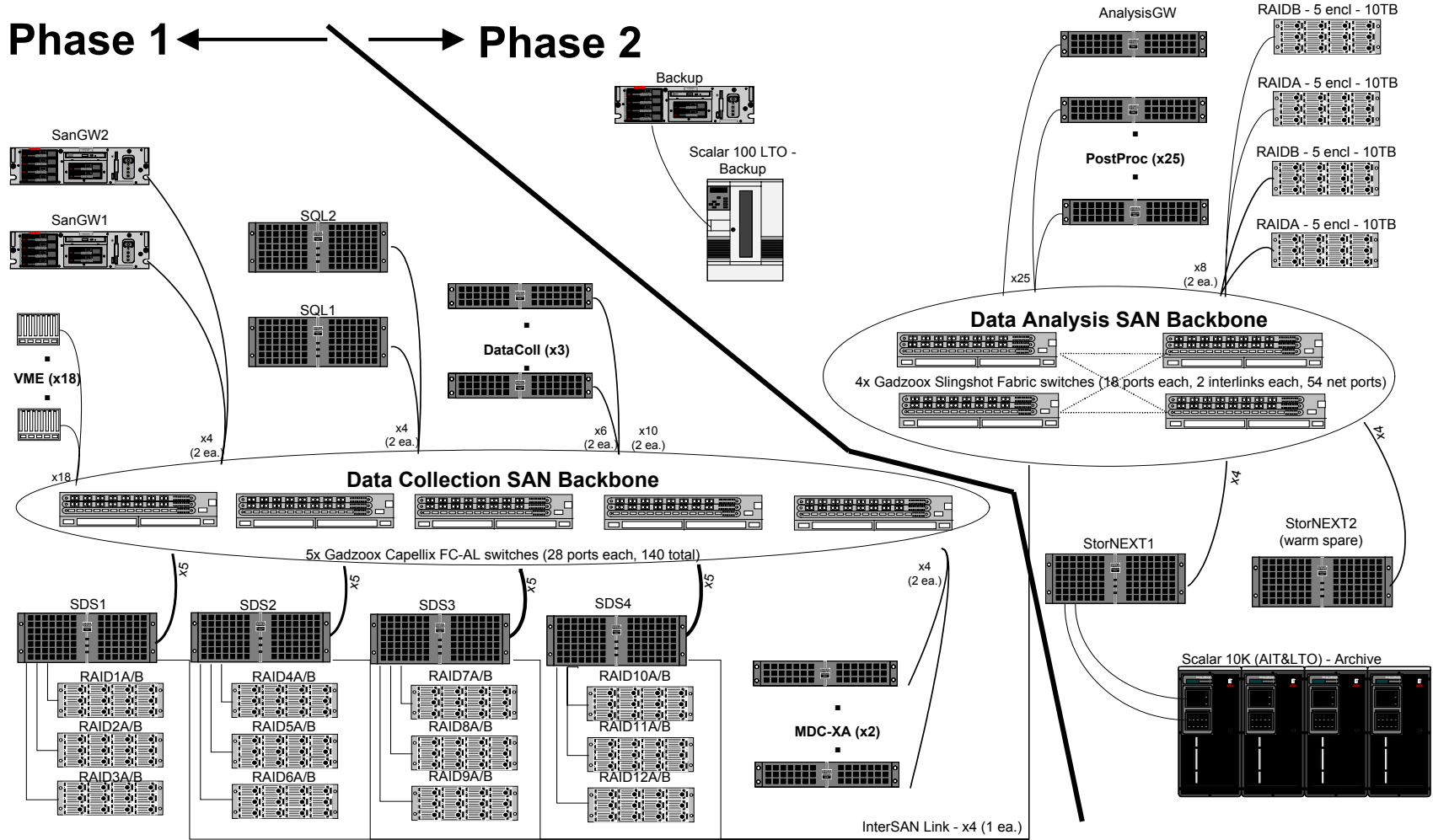
**The atmosphere destroys the coherence of large apertures**



**Adaptive Optics can compensate for the distorting effects of the atmosphere**



# SOR SAN Environment



**Bottom-Line: Collect 150+ TB of data and enable high rate access to all clients**