

## Status of the Three ARM Raman Lidar Systems



John Goldsmith

Sandia National Laboratories

PO Box 969, MS 9406, Livermore, CA 94551-0969

jgold@sandia.gov, 925-294-2432

Robert Newsom

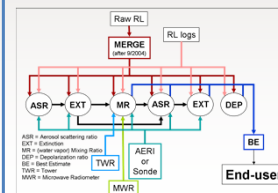
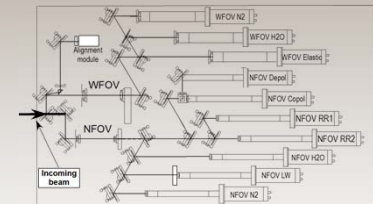
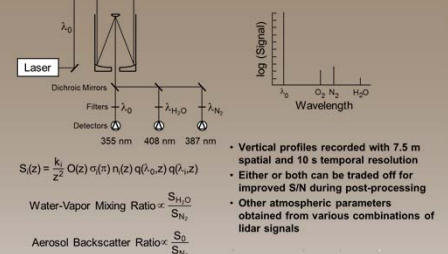
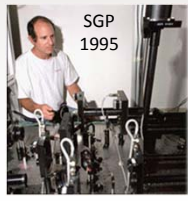
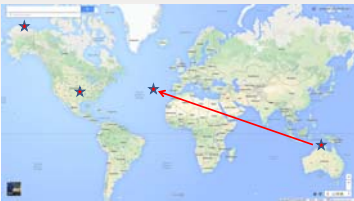
Pacific Northwest National Laboratory

PO Box 999, MS K9-30, Richland, WA 99352

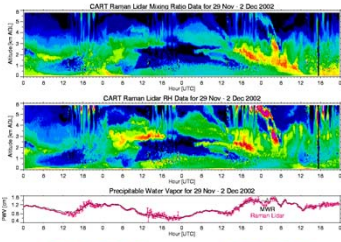
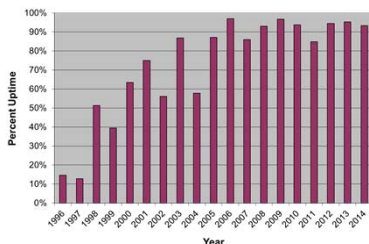
rob.newsom@pnnl.gov, 509-372-6020



The past year has seen changes in the status of all three ARM Raman lidar systems. The SGP system, which has been operational at that site since September 1995, will soon be undergoing a major facelift, with new enclosures being developed that will improve the thermal stability of the system and enhance its transportability at the SGP Mega-site (including relocation to be adjacent to the radar systems at the Central Facility). The TWP system, which was operational at Darwin, Australia from December 2010 – December 2014, will soon be operational at its new home at the ENA site in the Azores. The newest Raman lidar system became operational in September 2014 at the NSA site in Oliktok Point, Alaska, where it is now a component of the AMF3 facility. All three systems are functionally equivalent, using the same laser, optical, and electronic components and configurations, and thus enabling use of the same data acquisition and analysis codes.



## SGP Raman Lidar



## TWP ENA Raman Lidar



## NSA/AMF3 Raman Lidar (Oliktok Point, Alaska)

