



National Atmospheric Deposition Program

Central Analytical Laboratory

Equipment Modernization

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Rain gages and Wind Screens

With a goal of maintaining an efficient measurement system that meets the data and information needs of scientists, policy-makers, educators, and the public, NADP committees in 2006 passed two resolutions requiring equipment changes for all NTN, MDN, and AIRMoN sites. The first resolution requires all sites to install an approved electronic precipitation gage by the end of 2011. The second resolution requires those sites receiving at least 20 percent of their annual precipitation as snow to install an Alter-type wind shield.



Some of the challenges... different height of buckets and inverting DC power



June 21, 2011 First N-CON bucket collector replaces aerochem at VT99



NTN Collector

At the NADP Executive Committee meeting on October 19th, 2010, a new wet-deposition collector was accepted for use in the NADP/National Trends Network for collection of precipitation chemistry samples. The new collector is the N-CON Systems Co., Inc.'s Atmospheric Deposition Sampler (Model 00-120-2, ADS/NTN). This new sampler was tested following the NADP requirements and was deemed to have met these standards and to fulfill the needs of the network. Therefore N-CON Systems ADS/NTN sampler is now acceptable for use in collecting wet deposition samples.



March 2007 first MDN N-CON installed at SD18



April 2006 NOAH IV installed at CA94



November 1999 testing begins on Ott Pluvio



2003 "collector shootout" testing begins on multiple collectors



1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012

April 1998 testing begins on ETI NOAH II



July 2001 testing begins on 1-wire Geonor



February 2002 testing begins on ETI NOAH III

September 2004 Testing begins on ETI NOAH IV



July 2006 First egage data received from MDN site AB14



August 2007 first Ott Pluvio data received from IL11



1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012

October 2009 first Ott Pluvio 2 data received from CO91



August 2011 WV04 gets new Ott Pluvio 2, N-CON bucket collector, new solar panels, and three new batteries...power troubles ensue



January 2000 Llodra Mechanical Drive



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