

# ASOS 1Minute Data Set

## 1.0 Contacts

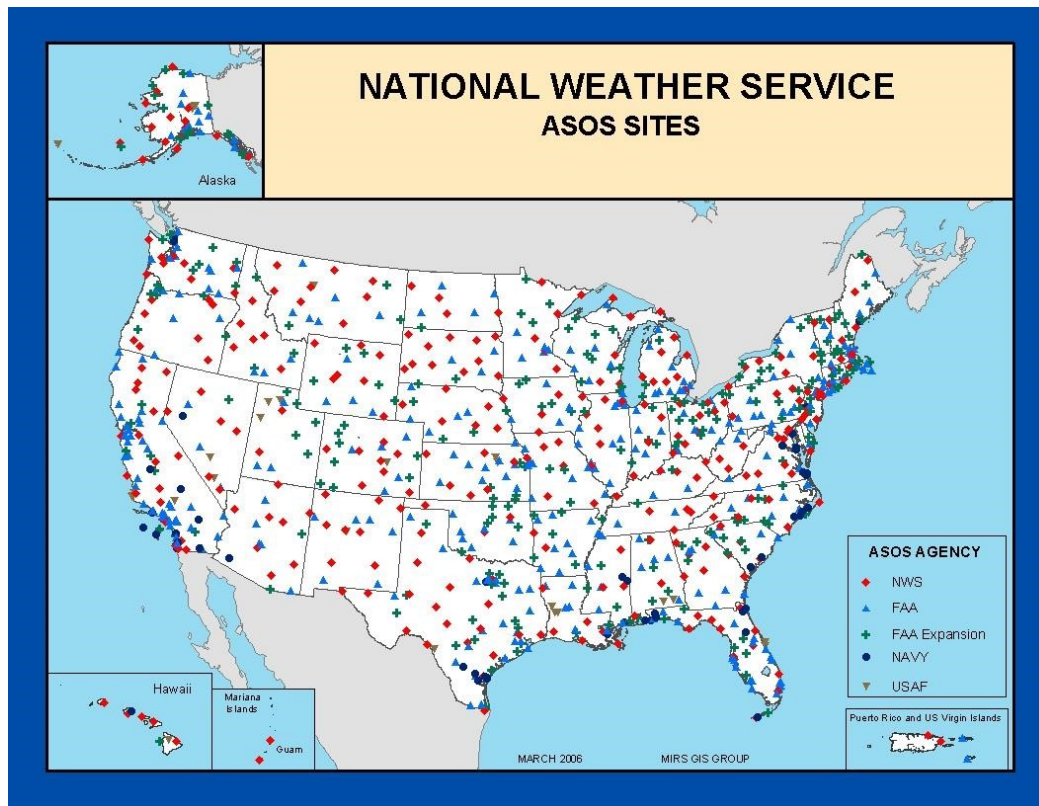
### NCAR/EOL:

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NCEI: [ncdc.orders@noaa.gov](mailto:ncdc.orders@noaa.gov)

## 2.0 Dataset Overview

This data set contains the 1-minute resolution observations from the Automated Surface Observing System (ASOS) network of ~890 stations (Fig. 1) in the contiguous United States. These data were collected and archived by the National Centers for Environmental Information (NCEI; formerly the National Climatic Data Center).



**Figure 1.** Map of ASOS locations (only those in the contiguous US are included in this data set).

### **3.0 Data Format Description**

The ASOS data are in two parts, called "Page 1" and "Page 2". "Page 1" (6405 files) contains visibility and wind data, and "Page 2" (6406 files) contains precipitation, pressure, temperature, and dew point data. The data are in monthly tar files.

Each tar file contains a file for every station that follows the naming convention:

64050KWST201803.dat

6405 represents the "Page"

KWST is the call sign for the station

201803 is the four digit year and two digit month

The file format for the "Page 1" or 6405 files can be found in the td6405.pdf file that is included with this data set. At the time this readme was created this document was available from NCEI at:

<http://www1.ncdc.noaa.gov/pub/data/documentlibrary/tddoc/td6405.pdf>

The file format for the "Page 2" or 6406 files can be found in the td6406.pdf file that is included with this data set. At the time this readme was created this document was available from NCEI at:

<http://www1.ncdc.noaa.gov/pub/data/documentlibrary/tddoc/td6406.pdf>

### **4.0 Data Quality Control Procedures**

These data are provided as is, no quality control procedures were conducted by NCAR/EOL.

Information on the ASOS algorithms and sensor specifications is available in the ASOS\_Users\_Guide\_199803.pdf and ASOS\_Users\_Guide\_Appen.pdf files that are included with this data set. At the time this readme was created these documents were also available from the National Weather Service at:

<http://www.nws.noaa.gov/asos/pdfs/aum-toc.pdf>

and <http://www.nws.noaa.gov/asos/pdfs/appen.pdf>