NOAA/National Climatic Data Center In situ snow observations Access

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Access described on web pages

- http://www.ncdc.noaa.gov/oa/climate/isd/
- http://www.ncdc.noaa.gov/oa/climate/ghcn-daily/

ISD

ftp://ftp.ncdc.noaa.gov/pub/data/noaa

- Synoptic data provided as individual station files in yearly slices

(ftp://ftp.ncdc.noaa.gov/pub/data/noaa/2014/)

- Simplified format provided as “ISD-LITE” (does not include snow depth)

(ftp://ftp.ncdc.noaa.gov/pub/data/noaa/isd-lite/2014/)

- Daily Summaries (“Global Summary of the Day”)

(ftp://ftp.ncdc.noaa.gov/pub/data/gsod/2014/)

- Web accessible database (Climate Data Online)

GHCN-Daily

ftp://ftp.ncdc.noaa.gov/pub/data/ghcn/daily/

- Provided as giant tar ball in two formats
  - Fixed format station files

(ftp://ftp.ncdc.noaa.gov/pub/data/ghcn/daily/ghcnd_all.tar.gz)

  - Comma delimited fields (one record per line)

(ftp://ftp.ncdc.noaa.gov/pub/download/superghcnd_full_20141114.csv.gz)

- Individual period of record station files
- Yearly slices

(ftp://ftp.ncdc.noaa.gov/pub/data/ghcn/daily/by_year/2014.csv.gz)

- Difference files between runs (inserts, deletes, changes)

(ftp://ftp.ncdc.noaa.gov/pub/download/superghcnd_diff_20141113_to_20141114.tar.gz)

- NCML metadata has been developed to facilitate machine reading of the data (standard variable definitions, unit descriptions, allowable flags, etc.)