

# CADB v2 Global Extended Summary Output Documentation

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This document describes the global extended summary output files from the Climate Assessment Database version 2 (CADBv2). These files contain a subset of the variables in the daily summary files, which are based on global station observations. The global extended summary file is updated every day by 8am local eastern time (New York), and is based on the previous day's data.

## Background and changes

Below is a list of changes compared to the previous version of the global extended summary files:

- The station ID format is changed to have 6 characters in accordance with version 3 of the daily summary files (column 2).
- The latitude (column 3) and longitude (column 4) values now have a precision of 4 decimal places (ten-thousandths, i.e. 30.0000 deg N)
- The longitude values are modified to be in the range of -180 to 180 degrees East (as opposed to degrees West as in CADBv1) (column 4).

## File name and formatting

global\_ext\_sum\_v2\_YYYY\$mm\$dd.csv- ASCII file is comma-delimited. YYYY\$mm\$dd denotes the date that the summary is valid for (NOT the processing date). Below contains more information about the content and format of the data.

**Delimiter-** Comma delimited (CSV).

**Missing values** - A missing value for all variables is set to -99.9

### **Column info:**

Each of the columns in the file are listed in order below (left to right cols). Below info is formatted as:

**Name of col** - (unit, # decimals) description | Any related format info or notes

**date** - (date, NA) Valid date | Formatted as YYYYmmdd

**stn\_id** - (NA, NA) Station ID | Represented by 6 characters, prepending Metar station IDs (without a numeric only synoptic ID) with '99' (e.g. KCHO -> 99KCHO).

**lat** - (deg N, ten-thousandths) Latitude of station | Values range from -90.0000 to 90.0000.

**lon** - (deg E, ten-thousandths) Longitude of station | Values range from -180.0000 to 180.0000. Negative values are treated as deg W.

**elev** - (meters, ones) Elevation of station.

**tmax** - (Deg C, tenths) Daily maximum temperature

**tmin** - (Deg C, tenths) Daily minimum temperature

**tavg** - (Deg C, tenths) Daily average temperature ( $[tmax + tmin] / 2$ )

**ntmp** - (Deg C, tenths) Normal daily average temperature.

**reppcp** - (mm, tenths) Initial reported precipitation total.

**fnlpcp** - (mm, tenths) Final verified precipitation total.

**nmpcp** - (mm, tenths) Normal precipitation total.