

National Climatic Data Center

DATA DOCUMENTATION

FOR

DATA SET 3390 (DSI-3390)

SUMMARY OBSERVATION - INVENTORY

March 21, 2003

National Climatic Data Center
151 Patton Ave.
Asheville, NC 28801-5001 USA

:

Table of Contents

Topic	Page Number
1. Abstract.....	3
2. Element Names and Definitions:	3
3. Start Date.....	4
4. Stop Date.....	4
5. Coverage.....	4
6. How to order data.....	4
7. Archiving Data Center.	4
8. Technical Contact.....	4
9. Known Uncorrected Problems.....	4
10. Quality Statement.....	4
11. Essential Companion Data Sets.....	5
12. References.....	5

:
:

1. **Abstract:** The 3390 data set represents the hourly inventory for the Summary Observation, DSI-3290. Each inventory record contains the observing station identification; year, month, day, hour, and element of data inventoried; and, the Data Measurement Flag, the Quality Flag, and the number of times these two flags occur together as a pair for the given station identifier, year, month, day, hour, and element.

2. **Element Names and Definitions:**

Station Identifier: (STNID) is a 5-character alphanumeric string that uniquely specifies the station whose summary observation data is inventoried. This station identifier is the WBAN number and is assigned by NCDC. Station identifier ranges in value from 03103 through 94918.

Year: (YEAR) is an integer that specifies the year of summary observation data inventoried. Year ranges in value from 1984 to 1998.

Month: (MONTH) is an integer that specifies the month of summary observation data inventoried. Month ranges in value from 01 to 12.

Day: (DAY) is an integer that specifies the day of summary observation data inventoried. Day ranges in value from 01 to 31.

Hour: (HOUR) is an integer that specifies the hour of summary observation data inventoried. Hour ranges in value from 00 to 24, and 99. Both values of 00 and 24 represent midnight. The value of 99 is used to indicate missing or unknown. Hour is rounded up for minutes ≥ 30 contained in the summary observation data.

Element: (ELEM) is a 4-character alphanumeric string that specifies the meteorological element type of summary observation data inventoried. Element ranges in value are "PRCP", "SNOW", "SNWD", "TMAX", and "TMIN".

PRCP - Accumulated precipitation for the six hourly period.

Rainfall and melted precipitation are included.

SNOW - Snowfall amount for the six hourly period.

SNWD - Depth of snow observed for the six hourly period.

TMAX - Maximum temperature for the six hourly period.

TMIN - Minimum temperature for the six hourly period.

Data Measurement Flag: (FLAG1) is a single character. Data measurement flag has the following range of values:

A Accumulated value through previously missing observation period(s)

T Trace (< 0.005 inches for PRCP)

(< 0.05 inches for SNOW)

(< 0.5 inches for SNWD)

b Blank - Flag not needed

Data Quality Flag: (FLAG2) is a single character. Data quality flag has the following range of values:

0 Observed data has passed all internal consistency checks

:
:

- 2 Observed data has failed an internal consistency check - (subsequent edited value follows observed value)
- 3 Observed data has failed a consistency check (Low level of confidence for observed value)
- 4 Observed data value invalid - no edited value follows
- E Edited data value passes all system checks - no observed value present
- S Manually edited data passes all system checks
- ! Indicates a missing period that is contained in a subsequent accumulated value (Data measurement flag, FLAG1, "A")
- b Blank - Flag not needed

Flag Pair Count: (FPCNT) is an integer that specifies the number of times that FLAG1 and FLAG2 occur together as a pair for the given station identifier, year, month, day, hour, and element for the summary observation data. Flag pair count ranges in value from 001 through 004.

3. **Start Date:** 19840101

4. **Stop Date:** 19980731

5. **Coverage:**

- a. Southernmost Latitude: 15S
- b. Northernmost Latitude: 72N
- c. Westernmost Longitude: 134E
- d. Easternmost Longitude: 66W

6. **How to Order Data:**

Ask NCDC's Climate Services about the cost of obtaining this data set.
 Phone: 828-271-4800
 FAX: 828-271-4876
 E-mail: NCDC.Orders@noaa.gov

7. **Archiving Data Center:**

National Climatic Data Center
 Federal Building
 151 Patton Avenue
 Asheville, NC 28801-5001
 Phone: (828) 271-4800.

8. **Technical Contact:**

National Climatic Data Center
 Federal Building
 151 Patton Avenue
 Asheville, NC 28801-5001
 Phone: (828) 271-4800.

9. **Known Uncorrected Problems:** Currently, there are no known uncorrected problems in the DSI-3390 data set.

10. **Quality Statement:** No quality control is performed on the 3390 data set.

:
:

11. **Essential Companion Datasets:**

- a. Summary Observation, DSI-3290
- b. Master Station History Report, DSI-9767

12. **References:** There are no references applicable to the 3390 data set at this time.

:
:

5: