Data Table Schema

81394 rows & 38 columns. Size: ~6MB unzipped.

Field	Type	Description
DATE	DATETIME	Time of pickup (format mm/dd/yy hh:mm:ss)
REPORT_TYPE	STRING	Indicates type of weather observation. FM-15 = METAR Aviation routine weather report FM-16 = SPECI Aviation selected special weather report SOD = Summary of day report from U.S. ASOS or AWOS station SOM = Summary of month report from U.S. ASOS or AWOS station
DailyAverageDewPointTemperature	FLOAT	Average daily dew point temperature (in Fahrenheit)
DailyAverageDryBulbTemperature	FLOAT	Average daily dry-bulb temperature and is commonly used as the standard air temperature reported (in Fahrenheit)
DailyAverageWetBulbTemperature	FLOAT	Average daily wet-bulb temperature (in Fahrenheit)
DailyAverageWindSpeed	FLOAT	Daily average wind speed in miles per hour, to tenths)
DailyMaximumDryBulbTemperature	FLOAT	Maximum temperature for the day
DailyMinimumDryBulbTemperature	FLOAT	Minimum temperature for the day
DailyPeakWindSpeed	FLOAT	peak wind speed for the day (in whole miles per hour). For most U.S. stations this is the highest 5-second average wind speed for the day
DailyPrecipitation	FLOAT	Water equivalent amount of precipitation for the day (in inches to hundredths). This is all types of precipitation (melted and frozen)
DailySnowDepth	FLOAT	Daily reading of snow on ground (in whole inches)
DailySnowfall	FLOAT	Daily amount of snowfall (in inches to the tenths)
DailySustainedWindSpeed	FLOAT	Daily sustained wind speed for the day (in whole miles per hour)

HourlyDewPointTemperature	FLOAT	Average hourly dew point temperature (in Fahrenheit)
HourlyDryBulbTemperature	FLOAT	Average hourly dry-bulb temperature and is commonly used as the standard air temperature reported (in Fahrenheit)
HourlyPrecipitation	FLOAT	Water equivalent amount of precipitation for the hour (in inches to hundredths). This is all types of precipitation (melted and frozen)
HourlyWetBulbTemperature	FLOAT	Hourly wet-bulb temperature (in Fahrenheit)
HourlyWindGustSpeed	FLOAT	Hourly wind gusts occurring during time of observation. Given in miles per hour (mph)
HourlyWindSpeed	FLOAT	Hourly speed of the wind at the time of observation given in miles per hour (mph)
MonthlyDaysWithGT001Precip	FLOAT	Number of days in a month with precipitation greater than 0.01
MonthlyDaysWithGT010Precip	FLOAT	Number of days in a month with precipitation greater than 0.10
MonthlyDaysWithGT32Temp	FLOAT	Number of days in a month with temperature greater than 32
MonthlyDaysWithGT90Temp	FLOAT	Number of days in a month with temperature greater than 90
MonthlyDaysWithLT0Temp	FLOAT	Number of days in a month with temperature less than 0
MonthlyDaysWithLT32Temp	FLOAT	Number of days in a month with temperature less than 32
MonthlyGreatestPrecip	FLOAT	Highest precipitation to fall in 24 hours observed during the month
MonthlyGreatestPrecipDate	STRING	Date(s) when highest precipitation was observed during the month. Indicates only DD of the date. If highest precipitation was observed for more than one day then the days are separated by "-"
MonthlyGreatestSnowDepth	FLOAT	Highest depth of snow observed during the month
MonthlyGreatestSnowDepthDate	FLOAT	Date(s) when highest snow depth was observed during the month. Indicates only DD of the date

MonthlyGreatestSnowfall	FLOAT	Highest amount of snow fall observed during the month
MonthlyGreatestSnowfallDate	STRING	Date(s) when highest snow fall was observed during the month. Indicates only DD of the date. If highest snow fall was observed for more than one day then the days are separated by "-"
MonthlyMaximumTemperature	FLOAT	Highest temperature observed during the month
MonthlyMeanTemperature	FLOAT	Mean of the temperatures obsereved during the month
MonthlyMinimumTemperature	FLOAT	Lowest temperature observed for the month
MonthlyTotalLiquidPrecipitation	FLOAT	Total Liquid Precipitation for the month
MonthlyTotalSnowfall	FLOAT	Total snow fall for the month
Sunrise	FLOAT	Time of sunrise given as a 4-digit number using a 24-hour clock in local standard time (e.g. 1751 = 5:51 pm LST).
Sunset	FLOAT	Time of sunset given as a 4-digit number using a 24-hour clock in local standard time (e.g. 1751 = 5:51 pm LST).

Special Indicator Appendix:

General conventions
Times are in Local Standard Time (LST) unless otherwise noted. No adjustments are made to account for Daylight Savings Time (DST).

Temperatures are given in whole degrees F and tenths of degrees C.

Wind speeds are in miles per hour.

Precipitation amounts are given in inches, usually to the nearest hundredth, unless otherwise noted.
0.003 = trace precipitation amount or snow depth (an amount too small to measure, usually < 0.005 inches water equivalent) (0.003 is used to simplify data)
M = missing value (appears instead of value)
Blank = value is unreported (appears instead of value)