DATA Schema for NYC Weather data set

The initial dataset has about 16 columns(fields), Namely

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| Column Name | Type | Constraint | Information |
| STN | Integer | 6 digits (Ex-720553) | Station number of the location. |
| WBAN | Integer | 5 digits | WBAN number where applicable--this is the historical "Weather Bureau Air Force Navy" number - with WBAN being the acronym.  This is a column which we do not need |
| Date | String | 8 Characters and no alphabets (Ex-20160728) | Represents the date, we format this later In the mapper class to get (mm/dd/yyyy) format. |
| TEMP | Double | 0-2 digits | Represents the mean temperature |
| DEW | Double | 0-2 digits | Represents the Mean dew point for the day in degrees  Fahrenheit to tenths. |
| SLP | Double | 4 digits | Mean sea level pressure for the day in millibars to tenths.  We do not need this. |
| STP | Double | 4digits | Mean station pressure for the day in millibars to tenths.  We don’t need this |
| Visibility | Double | 0-3 digits | Mean visibility for the day in miles to tenths |
| Windspeed | Double | 0-3 digits | Mean wind speed for the day in knots to tenths |
| Max\_speed | Double | 0-3 digits | Maximum sustained wind speed reported for the day |
| Gust | Double | 0-3 digits | Maximum wind gust reported for the day  in knots to tenths. |
| MAX | String | 0-3 digits (no alphabets) | Maximum temperature reported during the day in Fahrenheit to tenths. |
| MIN | String | 0-3 digits (no alphabets) | Minimum temperature reported during the  day in Fahrenheit to tenths |
| Prcp (precipitation) | Double | 0-1 digit | Total precipitation (rain and/or melted snow) reported during the day in inches and hundredths; will usually not end with the midnight observation--i.e.,  may include latter part of previous day .00 indicates no measurable precipitation |
| Sndp | Double | 0-3 digits | Snow depths |
| Weather\_State(FRSHTT) | Double | 6 digits | Indicators (1 = yes, 0 = no/not reported) for the occurrence during the day of: Fog ('F' - 1st digit).  Rain or Drizzle ('R' - 2nd digit).  Snow or Ice Pellets ('S' - 3rd digit).  Hail ('H' - 4th digit).  Thunder ('T' - 5th digit).  Tornado or Funnel Cloud ('T' - 6th digit). |