The weather data is available from METAR data provided by the regional weather service. The weather data is provided in text format with the following structure:

<table>
<thead>
<tr>
<th>Airport ID</th>
<th>Date/UTC Time</th>
<th>Wind Direction XXX and Wind Speed XXKTS</th>
<th>Visibility XX SM</th>
<th>Weather Condition Codes</th>
<th>Sky Condition Codes</th>
<th>Temp &amp; Dewpoint</th>
<th>Altimeter Pressure</th>
<th>Remarks</th>
</tr>
</thead>
</table>

Example:

KSLC 220653Z 18020G28KT 10SM -RA BKN050 OVC060 06/M01 A2957 RMK AO2 PK WND 18029/0556 RAB18E29B49 SLP004 P0000 T00561006 400610006

- Salt Lake City
- at UTC time 22:06:53,
- Wind is blowing from 180 degrees at 20 knots, Gusting to 28 knots.
- Visibility is 10 statute miles,
- Slight rain, broken clouds at 5000 ft, overcast at 6000 ft.
- The temperature is 6 degrees Celsius, the Dewpoint is Minus 1 degree Celsius,
- the Barometric Pressure is 29.57 inches of mercury (Hg).
- Remarks: there is an automated precipitation sensors (=AO2), Peak Wind is from 180 degrees at 29 knots, Beginning of Rain (RAB)18 Ending € 29 Beginning 49, Sea-level Pressure (SLP), ...

**Weather Condition Codes:**

Intensity: “-“ Light, “ “ Moderate, “+” Heavy

Qualifier: MI Shallow, PR Partial, BC Patches, DR Low Drifting, BL Blowing, SH Shower(s), TS Thunderstorm, FZ Freezing

Weather Conditions - Precipitation:
DZ  Drizzle
RA  Rain
SN  Snow
SG  Snow Grains
IC  Ice Crystals
PL  Ice Pellets
GR  Hail
GS  Small Hail and/or Snow Pellets
UP  Unknown Precipitation

Weather Conditions - Obscuration:

BR  Mist
FG  Fog
FU  Smoke
VA  Volcanic Ash
DU  Widespread Dust
SA  Sand
HZ  Haze
PY  Spray

Weather Conditions - Other:

PO  Well-Developed Dust/Sand Whirls
SQ  Squalls
FC  Funnel Cloud Tornado Waterspout (see note 3)
SS  Sandstorm
SS  Duststorm
+TF  Tornado

Sky Condition Codes:

Cloud Coverage: FEW (1/8 TO 2/8 cloud coverage), SCT (SCATTERED, 3/8 TO 4/8 cloud coverage, BKN (5/8-7/8 coverage), and OVC (OVERCAST, 8/8 Coverage)

VV is Vertical Visibility is the how high you can see vertically into the indefinite ceiling. An indefinite ceiling caused by fog, rain, snow, etc.

Significant Clouds such as TCU (Towering Cumulus), CB, (Cumulonimbus, or a shower/thunderstorm), or ACC (Alto-cumulus Castellanus)