



## Appendix III – Coding of weather data

### Reading HOURLY data in ASCII file

Each day represents is one (1) 24 hour day.

SSSSSSYYYYMMDEEEaaaaaa bbbbbb cccccc ..... zzzzzz

SSSSSS is the station id (Ex : 7055120 = Mont-Joli)

YYYY is the year (Ex : 1994 = 1994)

MM is the month (Ex : 02 = February)

DD is the day

EEE is the data element

61 : Global solar radiation (0.001 MJ/square metre)

71 : Height of cloud ceiling (in feet) Ex : 25 = 2500 feet  
000888= Unlimited ceiling

**73 : Sea-level barometric pressure (in millibar)**

**Ex : 10015 = 1001,5 mb**

74 : Temperature of dew point ( C ) Ex : 125 = 12,5 C

75 : Wind direction (before 1971)

**76 : Wind velocity (in km/h)**

77 : Barometric pressure at station (in millibar)

Ex : 10015 = 1001,5 mb

**78 : Dry-bulb temperature ( C ) Ex : 125 = 12,5 C**

79 : Wet-bulb temperature ( C ) Ex : 125 = 12,5 C

80 : Relative humidity (%)

81 : Total opacity of clouds (in tenths) Ex : 8 = 8/10

82 : Extent of clouds (in tenths) Ex : 8 = 8/10

123 : Hourly rain fall (in mm) Ex : 36 = 3,6 mm

**156 : Wind direction (after 1970)**

Ex : 36 = North

09 = East

18 = South

27 = West

aaaaaa is the data hourly data.

First is for 00H (EST)

Last is for 23 H (EST)

**Note : Eastern Standard time**

