

READING AND PLOTTING WEATHER DATA

(Activity 2002)

a

1981 WEATHER STATION DATA	
STATION NAME	CAPE CANAVERAL
STATION NUMBER	1111
STATION TYPE	1111
STATION ELEVATION (ft)	1111
STATION LOCATION	1111
STATION COORDINATES	1111
STATION OPERATOR	1111
STATION STATUS	1111
STATION COMMENTS	1111
STATION DATE	1111
STATION TIME	1111
STATION WEATHER	1111
STATION WIND	1111
STATION TEMPERATURE	1111
STATION HUMIDITY	1111
STATION PRESSURE	1111
STATION VISIBILITY	1111
STATION CLOUDS	1111
STATION PRECIPITATION	1111
STATION DEW POINT	1111
STATION WIND CHILL	1111
STATION HEAT INDEX	1111
STATION UV INDEX	1111
STATION AIR QUALITY	1111
STATION SOLAR RADIATION	1111
STATION LONG TERM AVERAGE	1111
STATION COMMENTS	1111

Procedure: Complete the weather station data entry for Kennedy, Florida, using the drawing in your circle. Use the weather station model (C) as your guide. Convert the information to a weather map symbol. The numbers or symbols on your drawing should be to the same unit that as they are shown in C. For example, the symbol for type of low clouds shown just below the circle, the number for type of high clouds shown left and above the circle and the air pressure reading appears exactly right of the circle. The wind speed and direction symbol is the only symbol found in different locations around the circle, since it indicates the direction of the wind in relation to the circle. (The direction of the wind in the example C is from the southwest.)

Repeat your procedure for Cape Canaveral and San Antonio.

1. What is the weather like in the three stations in (a)?
2. Why is the change in air pressure the greatest?
3. What type of change in air pressure would you find at a station where a cold front recently passed through?
4. Do you think the results at Kennedy Space Center would be happy with the weather indicated here if they had a Space Shuttle launch planned?

b

STATION	WIND	AIR TEMPERATURE	AIR PRESSURE
STATION 1	1111	1111	1111
STATION 2	1111	1111	1111
STATION 3	1111	1111	1111
STATION 4	1111	1111	1111
STATION 5	1111	1111	1111
STATION 6	1111	1111	1111
STATION 7	1111	1111	1111
STATION 8	1111	1111	1111
STATION 9	1111	1111	1111
STATION 10	1111	1111	1111
STATION 11	1111	1111	1111
STATION 12	1111	1111	1111
STATION 13	1111	1111	1111
STATION 14	1111	1111	1111
STATION 15	1111	1111	1111
STATION 16	1111	1111	1111
STATION 17	1111	1111	1111
STATION 18	1111	1111	1111
STATION 19	1111	1111	1111
STATION 20	1111	1111	1111

c

