

READING AND PLOTTING WEATHER DATA

(Activity 2002)

a

1981 WEATHER STATION DATA	
STATION NAME	CAPE CANAVERAL
STATION NUMBER	1111
STATION TYPE	1111
STATION ELEVATION	1111
STATION LOCATION	1111
STATION COORDINATES	1111
STATION OPERATOR	1111
STATION STATUS	1111
STATION COMMENTS	1111

Procedure: Complete the Weather Station Data Table (a). Then, draw a complete weather station map entry for Kennedy, Florida, using the drawing in your circle. Use the Weather Station Model (c) as your guide. Convert the information in b to weather data symbols. The numbers of symbols on your drawing should be in the same order that we show in c. For example, the symbol for type of low clouds appears just below the circle, the symbol for type of high clouds appears next and above the circle and the air pressure reading appears directly 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 NAME	STATION NUMBER	STATION TYPE	STATION ELEVATION
Kennedy Space Center	1111	1111	1111
Cape Canaveral	1111	1111	1111
San Antonio	1111	1111	1111

c

