



Air Temperature

Use the climatological data for Sunday, September 8, 2002 provided on the second handout to fill in the table and answer the questions below.

	Miami, FL (~26 °N)	Springfield, IL (~40 °N)	Anchorage, AK (~62 °N)
1. Daily temperature range			
2. Mean daily temperature			
3. Normal mean daily temperature			
4. Departure of mean daily temp. from normal mean daily temp.			
5. Number of heating degree days			
6. Number of cooling degree days			
7. Hours of daylight Sunday			
8. Hours of daylight Monday			
9. Amount of daylight lost			

Answer the questions on the back of the page.



Data for Sunday, September 8, 2002

	Miami, FL	Springfield, IL	Anchorage, AK
high temp. (Sun.)	89 °F	92 °F	57 °F
low temp. (Sun.)	77 °F	66 °F	40 °F
normal high	90 °F	81 °F	59 °F
normal low	76 °F	58 °F	38 °F
average wind speed (Sun.)	6.9 mph	2.2 mph	2.5 mph
precipitation total (Sun.)	0.08 in.	0.00 in.	trace
time of sunrise Sun.	7:05 a.m.	6:34 a.m.	6:56 a.m.
time of sunset Sun.	7:32 p.m.	7:17 p.m.	8:40 p.m.
time of sunrise Mon.	7:05 a.m.	6:35 a.m.	6:59 a.m.
time of sunset Mon.	7:31 p.m.	7:16 p.m.	8:36 p.m.

- 1) How typical was the weather for each city on Sunday?
- 2) Was there precipitation? Can you get any information about the presence of clouds from this?
- 3) How do you think the presence (or absence) of clouds affected the temperature?
- 4) What is the reason for the difference in the amount of daylight lost by each of the cities?