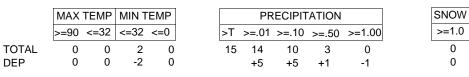
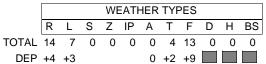
## October 2004

water Surv	ey Kese	arch (	Jenter				Octobel 2	<del>00 -</del>				
	TEM	PERA	TURE	PRECIP (in)	SNOW (in)		WEATHER		WIND		DEG	REE DAYS
DATE	Max	Min	Mean	, , , ,		Depth	TYPES	Dir	Speed (mph)	Peak Gust Gust Dir	Heat	Cool
1	77	46	62	0.00	0.0	0		S	4.7	20.0 SW	3	0
2	61	38	50	0.04	0.0	0	R-, F		3.8	19.6	15	0
3	72	31	52	0.00	0.0	0			3.7	15.8	13	0
4	61	39	50	0.00	0.0	0		N	4.0	18.8 N	15	0
5	63	34	49	0.00	0.0	0		NE	1.2	9.2 NE	16	0
6	76	36	56	0.00	0.0	0		S	1.3	8.6 S	9	0
7	81	41	61	0.00	0.0	0		S	3.0	15.2 SS	4	0
8	68	62	65	0.00	0.0	0		S	6.1	16.8 S	0	0
9	73	51	62	0.23	0.0	0	R, F	NE	3.2	13.3 W	3	0
10	70	45	58	0.00	0.0	0		NE	3.6	13.4 NE	7	0
11	67	44	56	0.00	0.0	0		NE	3.6	13.2 NE	9	0
12	55	48	52	0.00	0.0	0		NE	3.6	11.5 N	13	0
13	55	44	50	0.17	0.0	0	R, F	NW	3.0	11.2 N	15	0
14	54	41	48	0.03	0.0	0	R-, F	NW	2.5	9.7 NW	17	0
15	56	45	51	0.13	0.0	0	R, F	W	6.9	24.1 W	14	0
16	52	33	43	Т	0.0	0	L-, F	W	9.1	27.3 W	22	0
17	60	29	45	0.00	0.0	0		W	3.4	14.1 W	20	0
18	50	43	47	0.62	0.0	0	TRW, F	NE	4.2	18.0 NE	18	0
19	51	44	48	0.63	0.0	0	TRW, R-, F	NE	4.1	13.2 E	17	0
20	56	49	53	0.01	0.0	0	R-, F	NE	3.9	11.1 N	12	0
21	59	47	53	0.00	0.0	0		NE	2.3	9.6 NE	12	0
22	67	46	57	0.00	0.0	0		SE	4.3	12.4 SE	8	0
23	76	53	65	0.42	0.0	0	R	S	7.0	21.8 SW	0	0
24	68	42	55	0.16	0.0	0	R	W	2.4	12.4 NW	10	0
25	78	44	61	0.00	0.0	0		SE	2.1	10.6 S	4	0
26	65	50	58	0.00	0.0	0		SE	3.3	12.9 SE	7	0
27	59	50	55	0.71	0.0	0	R, F	NE	2.8	11.4 N	10	0
28	65	49	57	0.01	0.0	0	R, F	SE	4.0	13.7 S	8	0
29	80	64	72	0.25	0.0	0	R, TRW, F	S	9.5	24.1 SW	0	7
30	70	46	58	0.30	0.0	0	R, TRW, F	W	12.2	33.6 SW	7	0
31	66	42	54	0.00	0.0	0		W	3.4	11.6 W	11	0
AVG/TOT	64.9	44.4	54.7	3.71	0.0			NE	4.3		319	7
DEP.	-0.3	+1.1	+0.4	+0.90	-0.1			SW	-1.3		-27	-2

## **NUMBER OF DAYS and DEPARTURE**





SEASON	EASONAL DEGREE DAYS							
HEATING	COOLING							
367	827							
-64	-159							
	HEATING 367							

PRECIPITATION	7
JAN-October	
35.91	
+1.07	

Averages based on 1971-2000 data.

Temp midnight-midnight, Precip and Snow at 7 am LST

M = Missing

**WEATHER TYPES:** 

R = Rain

L = Drizzle

Z = Freezing rain/drizzle D = DustIP = Ice pellets (sleet) H = Haze

BS = Blowing snow

A = HailS = SnowT = Thunder F = FogRW = Rainshower SW = Snowshower PRECIP INTENSITY - Light Precip amount "T" =Trace Moderate

+ Heavy

DEGREE DAYS Heat and Cool base 65F. Corn Growing base 50F, ceiling 86F. Heating DD season July-June. Cool and Corn DD season January-December.

# Champaign-Urbana Weather Highlights - October 2004

# ILLINOIS STATE WATER SURVEY

Jim Angel, State Climatologist 2204 Griffith Drive Champaign, IL 61820 wxobsrvr@sws.uiuc.edu

**Temperature** – the high of 80° on October 29 tied the record for that date. Other years with a high of 80° for that date were 1901, 1937, and 1971. The mean temperature of 72° on October 29 set a new record for that date.

**Precipitation -** no records were set this month.

### Major change in September

Precipitation and snowfall are no longer midnight-midnight. They are now 7am-7am, meaning that the precipitation for a day represents the amount observed at 7am. Operationally, the precipitation and snowfall observations were always made at 7am and then adjusted to midnight-midnight using recording gages. This process was cumbersome and did not meet the needs of some of our users. Furthermore, the recording gages have not been reliable this summer. The new observation time will simplify the observer's workload and remove the previous discrepancy we had between snowfall and snowdepth since they now represent the same time period.

#### **Additional Information**

Additional information for October can be found at the Illinois Climate Network site that is collocated with our cooperative weather observer site. This automated station collects temperature, wind, soil temperature, evaporation, humidity, and solar radiation data. These data are usually posted a few days after the end of the month at:

http://www.sws.uiuc.edu/warm/data/2004/October/Champaign.txt

**JRA** 

The daily climate statistics are available by touch-tone phone. Call 333-8890 and select menu option 1. The recording is updated daily Monday through Friday by 8:00 a.m. For this and other climate data, visit the State Climatologist web site at http://www.sws.uiuc.edu/atmos/statecli/