

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary

### November 2003

Station: Akron 1W, Ohio  
 Latitude: 41° 05' 39" N      Longitude: 81° 32' 32" W      Elevation (Ground): 1075 feet      Time Zone: Eastern

Date	Temperature					Humidity Mean	Deg. Days		Precip Ty 1 fog 2 hvy fog 3 thunder 4 ice plt 5 hail 6 glaze 7 duststm 8 smk, hz 9 blw snw	Snow Cvr	Precip		Pressure Adj. to Sea Level			Wind						Sun Mean Index	
	Maximum	Minimum	Average	Mean	Dew Point		Heating	Cooling			Water Equivalent	Ice Pellets Snow	Maximum	Minimum	Mean	Avg Speed	Res Speed	Res Dir	Peak		Minute		
																			Speed	Dir	Speed		Dir
1	2	3	4A	4B	5	6	7	8	10	11	12	13	14	15	16	17	18	19	20	21	22	23	23
1	66.4	53.3	59.9	56.9	54	91	6	0	.....	0	0.05	0.0	30.28	30.10	30.214	0.7	0.4	121	14	ENE	0	0	
2	74.7	53.6	64.1	63.2	57	83	1	0	.....	0	0.01	0.0	30.22	30.09	30.140	2.3	2.2	57	16	ENE	0	0	
3	74.0	53.5	63.8	63.3	55	76	2	0	1.....	0	0.00	0.0	30.14	30.00	30.066	0.2	0.2	53	10	NE	0	0	
4	77.6*	54.1	65.8*	65.2	50	62	0	0	.....	0	0.00	0.0	30.01	29.85	29.951	2.5	2.4	53	21	ENE	0	0	
5	69.4	47.0	58.2	59.4	53	80	7	0	.....	0	0.09	0.0	30.16	29.87	29.990	3.4	1.2	105	21	S	7	19	
6	48.8	43.1	45.9	46.7	39	75	20	0	.....	0	0.00	0.0	30.23	30.14	30.169	2.0	1.8	12	12	WNW	8	23	
7	46.2	32.9	39.6	39.5	24	56	26	0	.....	0	0.00	0.0	30.39	30.23	30.294	2.2	2.2	269	13	WSW	11	223	
8	35.9	28.7	32.3	32.7	21	62	33	0	.....	0	T	T	30.67	30.39	30.552	2.6	2.4	9	17	N	12	6	
9	40.6	26.1	33.3	33.3	16	50	32	0	.....	0	0.00	0.0	30.73	30.51	30.643	1.2	1.2	100	12	SE	8	137	
10	50.1	22.5*	36.3	36.6	21	57	29	0	.....	0	0.00	0.0	30.51	30.15	30.382	1.0	0.9	174	10	SSW	7	194	
11	55.1	41.1	48.1	50.8	47	86	17	0	1.....	0	0.32	0.0	30.15	29.86	29.955	3.2	3.1	201	21	S	11	182	
12	62.7	43.6	53.1	56.0	51	84	12	0	1.....	0	0.14	0.0	29.88	29.51	29.721	4.8	4.2	228	36	WSW	22	255	
13	43.6	29.7	36.6	35.0	24	63	29	0	.....	T	0.02	0.1	30.19	29.64	29.945	8.6	8.5	277	37	W	21	262	
14	46.4	26.9	36.7	37.0	20	51	29	0	.....	0	0.00	0.0	30.21	30.05	30.134	5.0	4.9	262	27	WSW	16	243	
15	43.5	39.2	41.4	40.4	30	69	24	0	.....	0	0.07	0.0	30.14	30.09	30.109	2.4	2.2	212	13	S	9	181	
16	49.2	39.6	44.4	44.6	42	90	21	0	1.....	0	0.01	0.0	30.12	30.05	30.088	1.3	1.0	188	11	WNW	8	267	
17	52.0	42.9	47.5	47.0	40	78	18	0	.....	0	0.00	0.0	30.25	30.10	30.178	1.9	0.9	172	14	ESE	10	214	
18	64.7	41.5	53.1	55.0	48	77	12	0	.....	0	0.15	0.0	30.11	29.56	29.856	5.1	5.0	155	25	SSE	16	193	
19	60.7	44.3	52.5	52.8	47	83	13	0	.....	0	0.38	0.0	29.78	29.49	29.580	3.8	2.1	264	19	SSW	12	199	
20	55.0	35.2	45.1	45.5	35	68	20	0	.....	0	0.00	0.0	30.00	29.78	29.930	3.4	2.6	227	14	NW	10	198	
21	62.0	41.8	51.9	50.1	40	70	14	0	.....	0	0.00	0.0	30.02	29.92	29.974	2.0	1.3	221	12	SW	8	205	
22	61.8	41.1	51.4	52.6	43	72	14	0	.....	0	0.00	0.0	30.01	29.95	29.986	2.6	2.5	188	17	SSW	12	204	
23	67.4	51.7	59.6	58.9	45	60	6	0	.....	0	0.00	0.0	30.00	29.71	29.898	4.0	3.9	180	27	SSW	14	198	
24	60.1	26.9	43.5	42.0	31	66	22	0	.....	0	0.18	T	30.09	29.54	29.787	6.2	5.0	227	24	SW	18	234	
25	37.6	23.8	30.7*	30.3	19	63	35	0	.....	0	0.00	0.0	30.18	30.01	30.109	3.1	2.8	206	17	SSW	10	205	
26	44.5	31.9	38.2	37.9	25	59	27	0	.....	0	0.00	0.0	30.13	30.00	30.064	2.4	2.3	206	14	SSW	10	200	
27	43.8	36.0	39.9	41.5	36	83	26	0	2.....	0	0.33	0.0	30.10	29.90	30.007	1.2	1.1	166	11	E	7	125	
28	43.6	28.8	36.2	37.4	36	94	29	0	2.....	2	0.82	1.8	29.91	29.58	29.683	5.0	3.9	287	24	WSW	17	278	
29	36.5	28.8	32.6	31.5	27	82	33	0	1.....	2	0.09	1.2	30.02	29.68	29.884	6.4	5.6	251	25	S	15	204	
30	47.1	31.3	39.2	40.1	27	60	26	0	.....	0	0.00	0.0	29.95	29.83	29.882	6.0	6.0	225	29	SSW	15	250	
Sum	Sum	-----	-----	---	----		Ttl	Ttl															---
1621	1141						583	0	Number of Days	2.66	3.1	30.73	29.49	30.039	3.2	1.6	227	37	W	22	255		
Avg	Avg	Avg	Mean	Avg	Avg	-----	-----	-----	Precip	Season Ttl	Date	Date	-----	-----	-----	-----	-----	Date	Date	Avg			
54.0	38.0	46.0	46.1	37	71.7	-----	-----	-----	≥.01 inch	14	39.92	3.1	9	19	-----	-----	-----	13	12				
Number of Days									Season to Date	Snow, Ice ≥1.0 inch	2	Greatest in 24 Hours and Dates						Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date					
Max Temperature				Min Temperature				1181	516	Thunder	0	Precipitation			Snow, Ice Plts								
≥ 90°F		≤ 32°F		≤ 32°F		≤ 0°F		-----	-----	Heavy Fog	2	0.95	27-28	1.8	28	2		28+					
0	0	11	0	-----	-----	-----	-----	-----	Clear	6	Partly Cloudy		7	Cloudy		17							

NOTES:  
 Units are: Temperature=°F, Wind=mph, Pressure=inches Hg, Precipitation=inches.  
 Data in column 4A are (MAX+MIN) ÷ 2, whereas columns 4B, 5, 6, 15, 16, 23 are means via continuous observations for 24 hours.  
 Column 5: Dew point is calculated from temperature and humidity and is continuously averaged for 24 hours.  
 Data in columns 9, 10, 12 are entered manually by the station observer.  
 Columns 17-18: Resultant wind is calculated by the vector sum of continuous wind observations.  
 Column 23: Sunshine index is measured in Watts/m<sup>2</sup> and is continuously averaged for 24 hours.  
 Data in columns 4B, 5, 6, 15, 16, 23 are updated continuously, there by achieving a "true" mean.

# OBSERVATIONS AT 3-HOUR INTERVALS

## November 2003: Akron 1W, Ohio

Hour	Sunshine	Pressure	Rainfall rate	Temperature	Dew Point	Wind				Sunshine	Pressure	Rainfall rate	Temperature	Dew Point	Humidity	Wind				Sunshine	Pressure	Rainfall rate	Temperature	Dew Point	Humidity	Wind			
						Direction	Speed	Gust	Direction							Speed	Gust	Direction	Speed							Gust	Direction	Speed	Gust
NOV 01									NOV 02									NOV 03											
01		30.11	0.00	64	60	88	04	1	5	30.22	0.00	54	51	93	02	1	5	30.08	0.00	62	56	82	13	0	2				
04		30.13	0.00	62	60	97	06	0	1	30.17	0.00	55	53	97	04	4	11	30.09	0.00	56	53	94	04	0	1				
07		30.18	0.00	60	57	93	15	2	3	30.17	0.00	57	56	98	06	1	7	30.13	0.00	54	52	97	00	0	0				
10		30.24	0.00	54	52	94	09	0	2	30.17	0.00	62	59	91	04	2	7	30.13	0.00	65	57	75	00	0	0				
13		30.24	0.00	55	50	86	22	1	5	30.10	0.00	73	63	67	09	4	12	30.04	0.00	73	54	51	00	0	0				
16		30.25	0.00	55	51	87	20	1	5	30.09	0.00	74	60	61	09	2	7	30.02	0.00	73	55	52	00	0	0				
19		30.23	0.00	54	51	91	09	0	1	30.10	0.00	67	59	75	04	1	1	30.03	0.00	67	55	64	04	2	6				
22		30.25	0.00	54	51	93	00	0	2	30.10	0.00	64	57	77	06	2	6	30.02	0.00	60	54	54	04	0	5				
NOV 04									NOV 05									NOV 06											
01		30.00	0.00	56	52	87	11	0	2	29.87	0.00	65	55	67	04	3	11	30.15	0.00	47	40	76	03	1	7				
04		29.98	0.00	57	51	82	04	1	7	29.87	0.00	66	58	75	06	5	12	30.16	0.00	46	39	77	04	2	5				
07		30.00	0.00	56	51	84	04	1	5	29.90	0.00	63	60	93	04	2	7	30.18	0.00	45	39	78	05	0	3				
10		29.99	0.00	68	53	57	04	3	11	29.94	0.00	66	62	87	04	2	7	30.19	0.00	47	39	74	05	3	5				
13		29.93	0.00	76	49	38	06	4	13	29.94	0.00	69	61	75	09	2	7	30.15	0.00	48	40	74	00	0	7				
16		29.91	0.00	77	46	34	06	5	12	30.06	0.00	54	48	79	15	4	14	30.14	0.00	49	41	73	02	0	7				
19		29.92	0.00	68	49	50	04	1	6	30.14	0.00	50	44	80	22	4	11	30.16	0.00	47	40	75	02	5	10				
22		29.86	0.00	66	50	54	04	4	12	30.16	0.00	48	40	75	20	4	11	30.21	0.00	46	38	76	32	5	10				
NOV 07									NOV 08									NOV 09											
01		30.23	0.00	41	36	83	26	0	2	30.40	0.00	34	24	68	28	0	3	30.67	0.00	32	19	58	08	1	2				
04		30.24	0.00	38	33	84	29	2	7	30.44	0.00	32	22	65	01	5	16	30.68	0.00	32	19	58	10	0	5				
07		30.29	0.00	33	29	83	26	0	2	30.52	0.00	29	17	60	34	0	6	30.71	0.00	29	16	58	14	0	0				
10		30.32	0.00	41	22	46	32	4	10	30.58	0.00	33	19	55	34	6	11	30.72	0.00	35	15	43	15	4	12				
13		30.28	0.00	45	16	31	25	4	11	30.57	0.00	35	20	55	00	4	11	30.65	0.00	39	16	39	15	1	10				
16		30.28	0.00	44	18	35	24	6	11	30.59	0.00	33	23	66	00	3	7	30.59	0.00	41	14	33	09	3	6				
19		30.33	0.00	40	17	38	26	2	5	30.63	0.00	32	22	65	01	5	6	30.58	0.00	33	16	50	12	0	1				
22		30.35	0.00	37	20	50	25	5	10	30.66	0.00	32	22	66	07	2	3	30.54	0.00	28	17	63	11	0	1				
NOV 10									NOV 11									NOV 12											
01		30.50	0.00	26	17	70	11	0	0	30.15	0.00	41	28	60	15	0	0	29.86	0.00	54	53	97	04	0	1				
04		30.48	0.00	24	17	74	15	0	0	29.99	0.00	50	34	53	17	8	21	29.82	0.00	54	53	98	04	2	7				
07		30.47	0.00	23	18	81	14	0	0	29.97	0.01	46	44	96	19	2	10	29.83	0.01	53	53	98	20	1	6				
10		30.46	0.00	38	20	48	20	2	6	29.95	0.00	51	50	97	21	4	14	29.79	0.00	55	52	92	17	4	13				
13		30.37	0.00	47	18	30	19	2	10	29.93	0.00	54	52	94	25	1	5	29.70	0.00	62	54	74	21	2	11				
16		30.31	0.00	50	24	37	21	2	7	29.89	0.00	54	52	93	22	3	12	29.62	0.00	60	56	85	20	7	14				
19		30.28	0.00	44	27	52	18	0	7	29.92	0.00	55	52	91	20	2	7	29.52	0.00	59	57	93	19	4	19				
22		30.20	0.00	40	29	63	15	0	2	29.90	0.01	55	53	94	21	0	7	29.56	0.00	53	33	47	26	11	33				
NOV 13									NOV 14									NOV 15											
01		29.66	0.00	42	32	66	25	12	35	30.17	0.00	32	20	61	30	5	20	30.10	0.00	41	23	48	25	3	10				
04		29.75	0.00	39	26	60	24	10	21	30.19	0.00	28	20	70	29	4	10	30.10	0.00	40	23	51	24	2	6				
07		29.83	0.00	53	53	98	20	1	6	30.21	0.00	27	19	72	26	1	6	30.13	0.00	40	24	53	24	0	6				
10		29.89	0.00	36	20	52	29	9	29	30.18	0.00	34	22	61	24	5	10	30.14	0.00	41	26	54	20	1	8				
13		29.98	0.00	35	21	56	27	14	26	30.10	0.00	44	14	29	25	8	24	30.10	0.00	43	35	73	20	6	12				
16		30.07	0.00	32	23	69	28	9	18	30.06	0.00	44	17	34	24	7	16	30.09	0.00	41	36	83	20	2	8				
19		30.13	0.00	32	23	71	26	10	19	30.07	0.00	42	21	42	26	3	19	30.11	0.04	39	38	94	16	2	7				
22		30.18	0.00	32	20	62	31	4	11	30.10	0.00	41	23	47	28	2	12	30.10	0.00	39	38	94	20	1	7				
NOV 16									NOV 17									NOV 18											
01		30.10	0.00	40	38	94	20	0	0	30.11	0.00	45	43	92	11	3	8	30.09	0.00	43	37	81	13	4	10				
04		30.10	0.00	40	38	94	20	0	0	30.16	0.00	44	41	88	09	1	6	30.04	0.00	43	38	82	13	3	7				
07		30.11	0.00	41	39	93	17	1	5	30.20	0.00	44	41	90	11	0	2	29.99	0.00	48	42	78	14	5	10				
10		30.11	0.00	43	41	93	14	4	6	30.24	0.00	45	42	88	11	0	2	29.96	0.00	55	47	75	16	8	12				
13		30.07	0.00	48	43	81	16	3	5	30.22	0.00	50	42	72	02	1	5	29.85	0.00	62	52	70	16	2	14				
16		30.05	0.00	49	44	82	14	0	5	30.19	0.00	51	39	62	00	2	6	29.71	0.00	64	53	67	14	6	14				
19		30.06	0.00	49	44	85	20	1	5	30.18	0.00	48	39	71	13	5	10	29.67	0.04	61	55	79	15	5	12				
22		30.08	0.01	48	47	97	25	2	5	30.14	0.00	45	38	77	13	1	8	29.62	0.02	60	56	88	15	4	22				

## MAXIMUM SHORT DURATION PRECIPITATION

Time Period (minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
Ended: Date	28	28	28	28	28	28	28	28	28	28	28	28
Ended: Time	2359	2359	2359	2359	2359	2359	2359	2359	2359	2359	2359	2359

The precipitation amounts may occur at any time during the month. The time indicated is the ending time of the interval. Date and time are not entered for trace amounts.

# OBSERVATIONS AT 3-HOUR INTERVALS

## November 2003: Akron 1W, Ohio

Hour	Sunshine	Pressure	Rainfall rate	Temperature	Dew Point	Wind			Sunshine	Pressure	Rainfall rate	Temperature	Dew Point	Humidity	Wind			Sunshine	Pressure	Rainfall rate	Temperature	Dew Point	Humidity	Wind		
						Direction	Speed	Gust							Direction	Speed	Gust							Direction	Speed	Gust
NOV 19									NOV 20									NOV 21								
01		29.58	0.00	60	57	90	20	6	16	29.80	0.00	43	35	73	31	6	10	29.92	0.00	47	36	65	21	3	12	
04		29.56	0.01	60	56	87	20	8	16	29.87	0.00	39	34	85	27	1	2	29.93	0.00	45	37	73	21	4	7	
07		29.53	0.00	58	57	97	19	2	8	29.96	0.00	35	34	94	24	0	2	29.98	0.00	42	37	83	20	1	6	
10		29.49	0.04	55	54	96	34	4	11	30.00	0.00	44	36	73	23	6	8	30.00	0.00	54	41	61	22	3	7	
13		29.51	0.02	50	48	92	35	4	8	29.97	0.00	53	36	53	21	2	10	29.97	0.00	60	42	52	21	3	6	
16		29.53	0.00	51	36	56	28	5	12	29.95	0.00	54	35	49	20	4	13	29.97	0.00	61	43	53	22	1	5	
19		29.65	0.00	46	38	71	26	2	7	29.95	0.00	49	36	60	18	5	12	30.01	0.00	49	43	79	01	5	6	
22		29.69	0.00	46	37	72	27	5	10	29.93	0.00	48	35	61	21	4	14	30.00	0.00	45	42	43	06	1	2	
NOV 22									NOV 23									NOV 24								
01		30.00	0.00	43	41	95	09	0	0	30.00	0.00	56	47	71	16	4	8	29.69	0.00	59	38	46	17	6	14	
04		29.99	0.00	41	40	96	12	0	2	29.99	0.00	53	45	74	15	1	7	29.63	0.00	60	38	45	17	7	19	
07		29.98	0.00	48	39	72	17	2	7	29.99	0.00	54	42	63	16	4	7	29.55	0.00	60	42	51	18	8	16	
10		30.00	0.00	54	41	60	21	3	13	29.97	0.00	59	46	64	18	5	10	29.65	0.04	42	39	90	26	11	22	
13		29.97	0.00	59	43	55	20	4	10	29.89	0.00	65	51	59	20	8	22	29.78	0.00	32	28	87	26	8	18	
16		29.96	0.00	61	47	60	18	6	17	29.85	0.00	65	47	51	18	6	16	29.88	0.00	31	22	71	23	9	12	
19		29.99	0.00	55	47	75	15	1	5	29.81	0.00	61	40	46	15	6	14	29.97	0.00	29	20	67	24	2	12	
22		30.00	0.00	57	47	71	16	2	10	29.74	0.00	58	41	53	15	0	7	30.05	0.00	28	19	67	21	5	12	
NOV 25									NOV 26									NOV 27								
01		30.10	0.00	26	18	71	22	5	14	30.02	0.00	33	21	62	18	1	9	30.10	0.00	37	27	68	10	1	4	
04		30.13	0.00	25	18	76	22	5	9	30.03	0.00	32	21	65	20	2	8	30.07	0.00	41	31	69	13	4	5	
07		30.17	0.00	24	19	80	20	1	3	30.07	0.00	33	23	67	19	3	7	30.05	0.00	40	34	80	13	4	10	
10		30.18	0.00	29	19	67	22	3	6	30.07	0.00	38	25	58	22	5	10	30.05	0.00	42	34	75	15	0	5	
13		30.13	0.00	37	17	43	20	4	12	30.06	0.00	44	24	44	22	5	12	29.98	0.02	42	38	83	17	1	5	
16		30.10	0.00	36	21	54	17	2	12	30.07	0.00	44	27	51	15	1	11	29.96	0.12	43	40	91	19	1	5	
19		30.05	0.00	33	19	56	16	1	8	30.10	0.00	41	27	58	18	1	5	29.96	0.02	43	42	96	18	0	6	
22		30.03	0.00	32	20	62	15	1	7	30.12	0.00	37	27	67	17	0	2	29.92	0.00	44	43	97	23	0	2	
NOV 28									NOV 29									NOV 30								
01		29.86	0.01	44	43	97	21	0	0	29.68	0.00	29	26	89	25	7	18	29.88	0.00	33	24	70	21	5	19	
04		29.76	0.00	44	43	97	11	0	5	29.72	0.00	32	28	86	26	7	17	29.89	0.00	35	24	65	22	4	14	
07		29.66	0.23	43	42	97	34	6	10	29.80	0.00	30	29	93	30	8	19	29.90	0.00	36	25	65	21	8	20	
10		29.58	0.02	41	39	93	35	2	18	29.93	0.15	33	30	91	26	2	17	29.95	0.00	38	26	62	22	6	19	
13		29.59	0.00	35	33	93	24	1	10	29.98	0.01	36	28	72	30	4	11	29.91	0.00	44	28	54	23	5	22	
16		29.65	0.01	34	32	94	25	5	12	30.01	0.00	33	26	75	25	8	16	29.86	0.00	44	30	56	23	6	14	
19		29.67	0.00	33	31	91	27	7	14	30.00	0.00	30	24	79	21	9	18	29.85	0.00	44	31	61	22	5	13	
22		29.66	0.00	30	28	93	25	9	17	29.92	0.00	30	23	76	20	9	18	29.85	0.00	45	30	56	23	4	11	

### WEATHER NOTES

**NOTES:**

Units are: Temperature=°F, Wind=mph, Pressure=inches Hg, Precipitation=inches.  
 Wind Direction: Directions are those from which the wind is blowing, indicated in tens of degrees from true north: i.e., 09 for East, 18 for South, 27 for West, and 00 or 36 for North.  
 Wind Speed: The observed one-minute average speed in miles-per-hour.  
 Wind Gust: The maximum instantaneous wind speed for the 10-minute period preceding the observation.  
 Rainfall Rate: The instantaneous rainfall rate at the time of observation, calculated by timing consecutive 0.01" pulses from the electronic rain gauge and interpolating this rate for one hour.

### SUMMARY BY HOUR

Hour	Averages						Resultant Wind	
	Sunshine	Pressure	Temperature	Dew Point	Humidity	Wind Speed	Direction	Speed
01		30.037	44	37	76	2.7	23	1.3
04		30.033	44	36	77	3.1	21	1.1
07		30.049	43	38	82	2.2	19	1.0
10		30.062	47	38	72	3.6	24	1.5
13		30.032	51	37	63	3.5	24	1.9
16		30.025	50	37	63	3.9	22	2.3
19		30.037	47	37	70	3.2	22	1.3
22		30.033	45	36	72	2.9	24	1.6

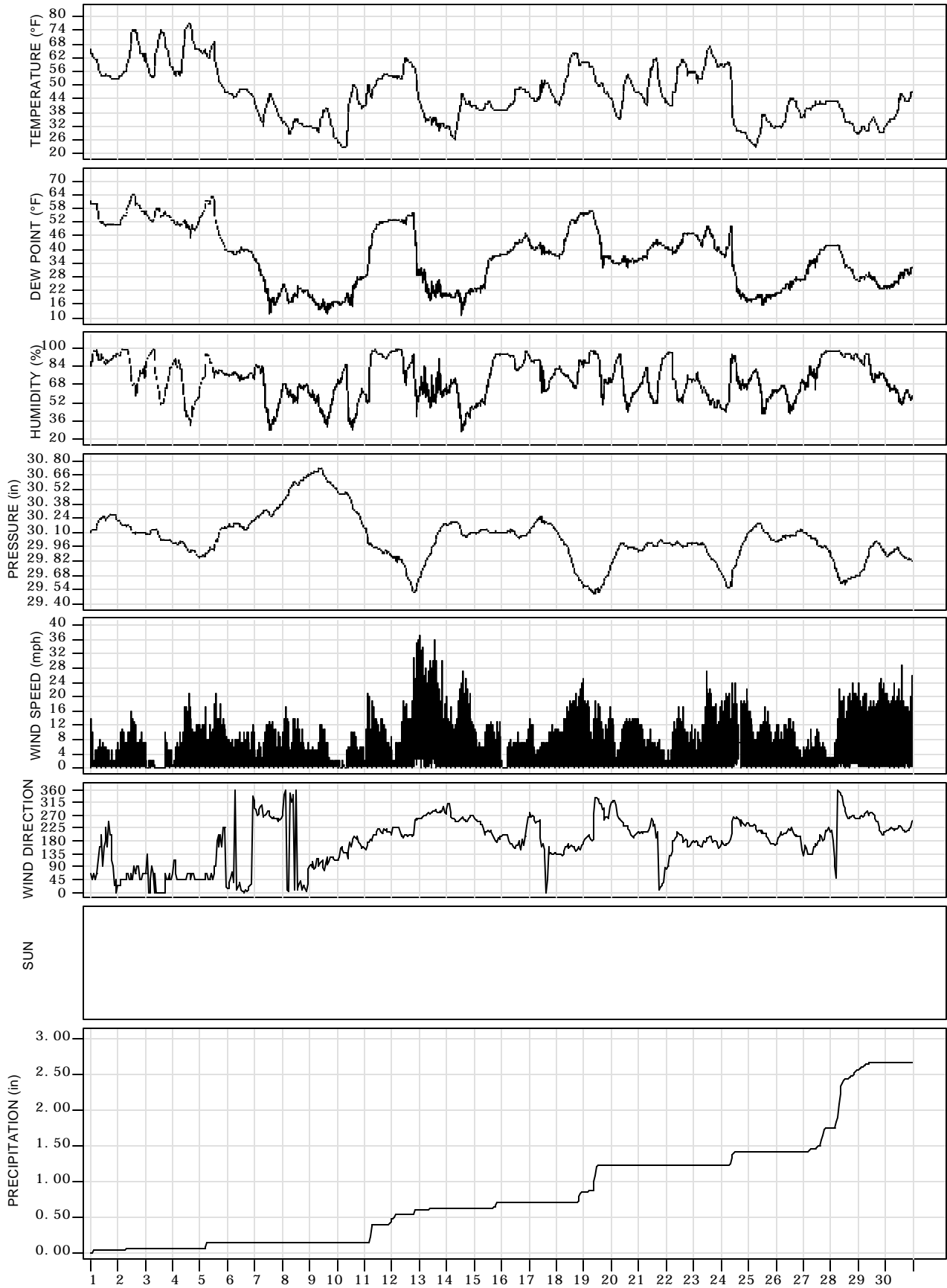
**HOURLY PRECIPITATION (Water Equivalent)  
November 2003: Akron 1W, Ohio**

Date	A.M. Hour Ending at												P.M. Hour Ending at												Date
	01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12	
01			0.04							0.01														01	
02								0.01																02	
03																								03	
04																								04	
05					0.03	0.05	0.01																	05	
06																								06	
07																								07	
08																								08	
09																								09	
10																								10	
11					0.09	0.14	0.01		0.01												0.01	0.03	0.03	11	
12	0.02	0.02	0.03	0.01					0.01															12	
13									0.01											0.06				13	
14																			0.01					14	
15																0.01	0.01	0.02	0.03					15	
16																						0.01		16	
17																								17	
18																		0.03	0.05	0.04	0.03			18	
19				0.01		0.01			0.12	0.09	0.11	0.03	0.01											19	
20																								20	
21																								21	
22																								22	
23																								23	
24								0.01	0.08	0.05	0.02	0.01		0.01										24	
25																								25	
26																								26	
27					0.01	0.02					0.01	0.02	0.02	0.01		0.07	0.07	0.07	0.03					27	
28	0.01			0.01	0.07	0.06	0.19	0.14	0.12	0.04	0.03	0.02	0.02	0.01		0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	28	
29	0.01	0.01	0.01	0.01	0.01	0.01	0.01		0.01	0.01														29	
30																								30	
Sum	0.04	0.03	0.08	0.03	0.21	0.29	0.23	0.15	0.35	0.20	0.17	0.08	0.03	0.02	0.01	0.08	0.09	0.09	0.09	0.17	0.06	0.07	0.05	0.04	Sum

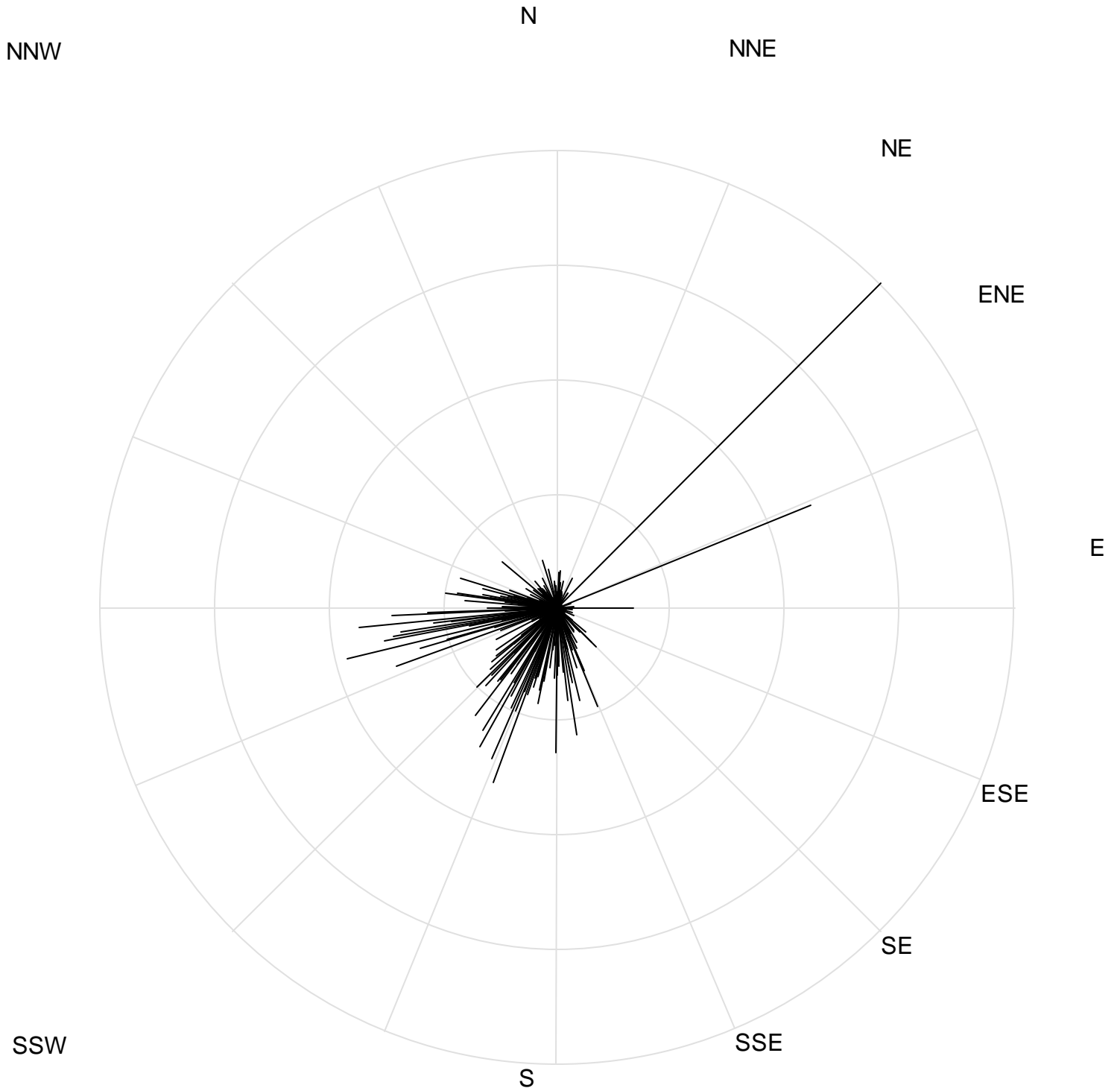
During a frozen precipitation event, hourly precipitation totals may not be recorded. In this case, daily amounts are typically entered in the last column (hour ending at 12 A.M.)

# HOURLY-BY-HOURLY DATA

## November 2003: Akron 1W, Ohio



Wind Rose: November 2003  
Akron 1W, Ohio



Maximum direction of wind: 93.7 miles from 45°.  
2316.5 total miles of wind.