

SELFRIDGE ANGB	MI	
Latitude = 42.62 N		WMO No. 725377
Longitude = 82.83 W		Elevation = 581 feet
Period of Record = 1967 to 1996		Average Pressure = 29.35 inches Hg

Design Criteria Data

	Design Value	Mean Coincident (Average) Values			
		Wet Bulb Temperature (°F)	Humidity Ratio (gr/lb)	Wind Speed (mph)	Prevailing Direction (NSEW)
Dry Bulb Temperature (T)	(°F)				
Median of Extreme Highs	94	77	112	10.0	W
0.4% Occurrence	89	74	105	9.3	W
1.0% Occurrence	86	72	99	9.0	W
2.0% Occurrence	83	71	96	8.6	S
Mean Daily Range	17	-	-	-	-
97.5% Occurrence	11	10	7	8.9	W
99.0% Occurrence	6	5	5	8.3	W
99.6% Occurrence	2	1	4	7.8	W
Median of Extreme Lows	-4	-5	3	10.8	WSW
	Design Value	Mean Coincident (Average) Values			
		Dry Bulb Temperature (°F)	Humidity Ratio (gr/lb)	Wind Speed (mph)	Prevailing Direction (NSEW)
Wet Bulb Temperature (T_{wb})	(°F)				
Median of Extreme Highs	80	91	139	9.3	W
0.4% Occurrence	77	87	126	8.2	S
1.0% Occurrence	75	84	119	7.8	S
2.0% Occurrence	73	81	112	7.1	S
	Design Value	Mean Coincident (Average) Values			
		Dry Bulb Temperature (°F)	Vapor Pressure (in. Hg)	Wind Speed (mph)	Prevailing Direction (NSEW)
Humidity Ratio (HR)	(gr/lb)				
Median of Extreme Highs	140	87	0.91	9.7	W
0.4% Occurrence	127	83	0.82	8.3	S
1.0% Occurrence	120	80	0.79	5.4	S
2.0% Occurrence	113	78	0.74	5.9	S
Air Conditioning/ Humid Area Criteria	# of Hours	T ≥ 93°F	T ≥ 80°F	T _{wb} ≥ 73°F	T _{wb} ≥ 67°F
		11	387	200	885

Other Site Data

Weather Region	Rain Rate 100 Year Recurrence (in./hr)	Basic Wind Speed 3 sec gust @ 33 ft 50 Year Recurrence (mph)	Ventilation Cooling Load Index (Ton-hr/cfm/yr) Base 75°F-RH 60% Latent + Sensible
6	2.8	90	1.1 + 0.4
Ground Water Temperature (°F) 50 Foot Depth *	Frost Depth 50 Year Recurrence (in.)	Ground Snow Load 50 Year Recurrence (lb/ft ²)	Average Annual Freeze-Thaw Cycles (#)
51.0	59	20	61

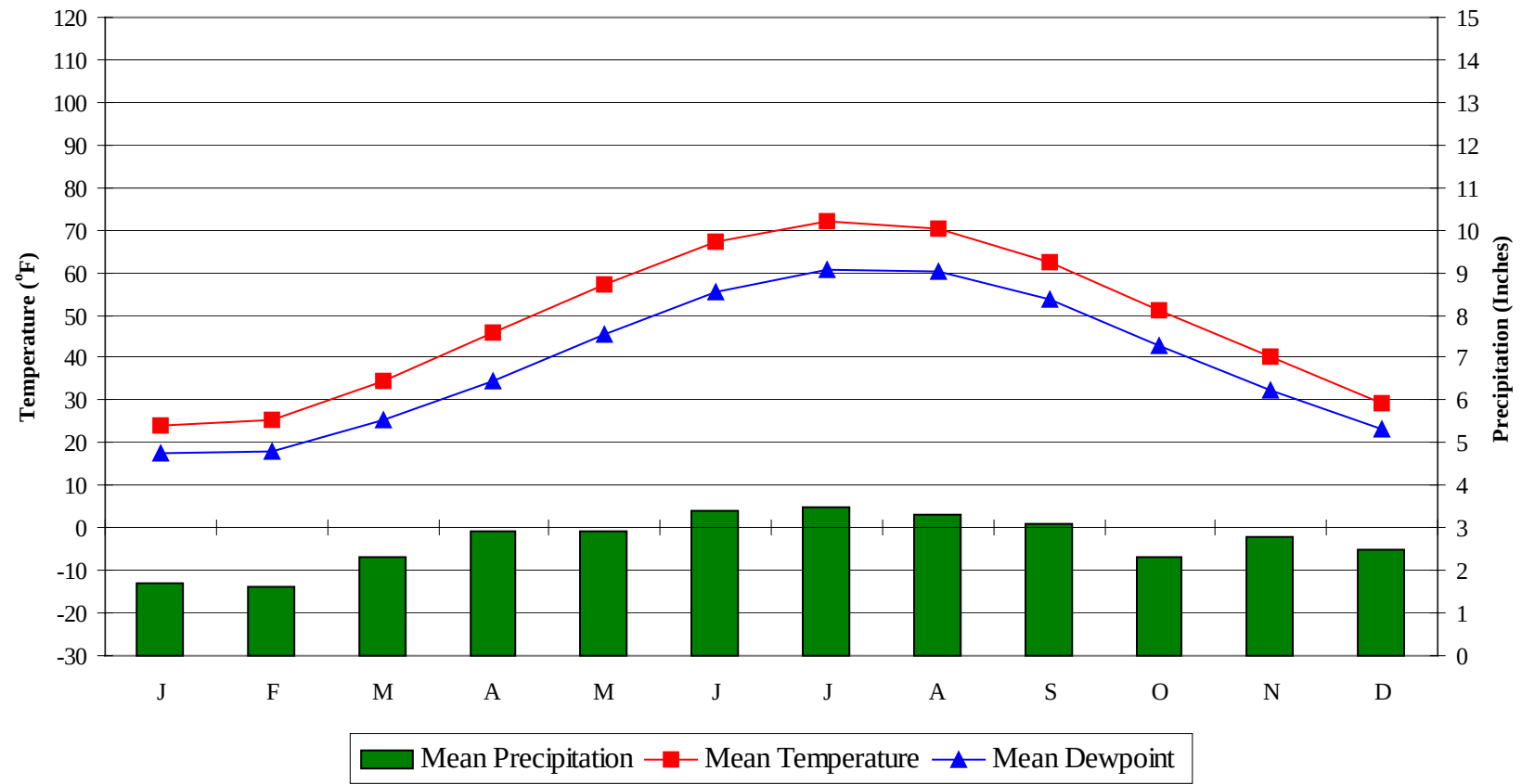
*Note: Temperatures at greater depths can be estimated by adding 1.5°F per 100 feet additional depth.

SELFRIDGE ANGB

MI

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Average Annual Climate

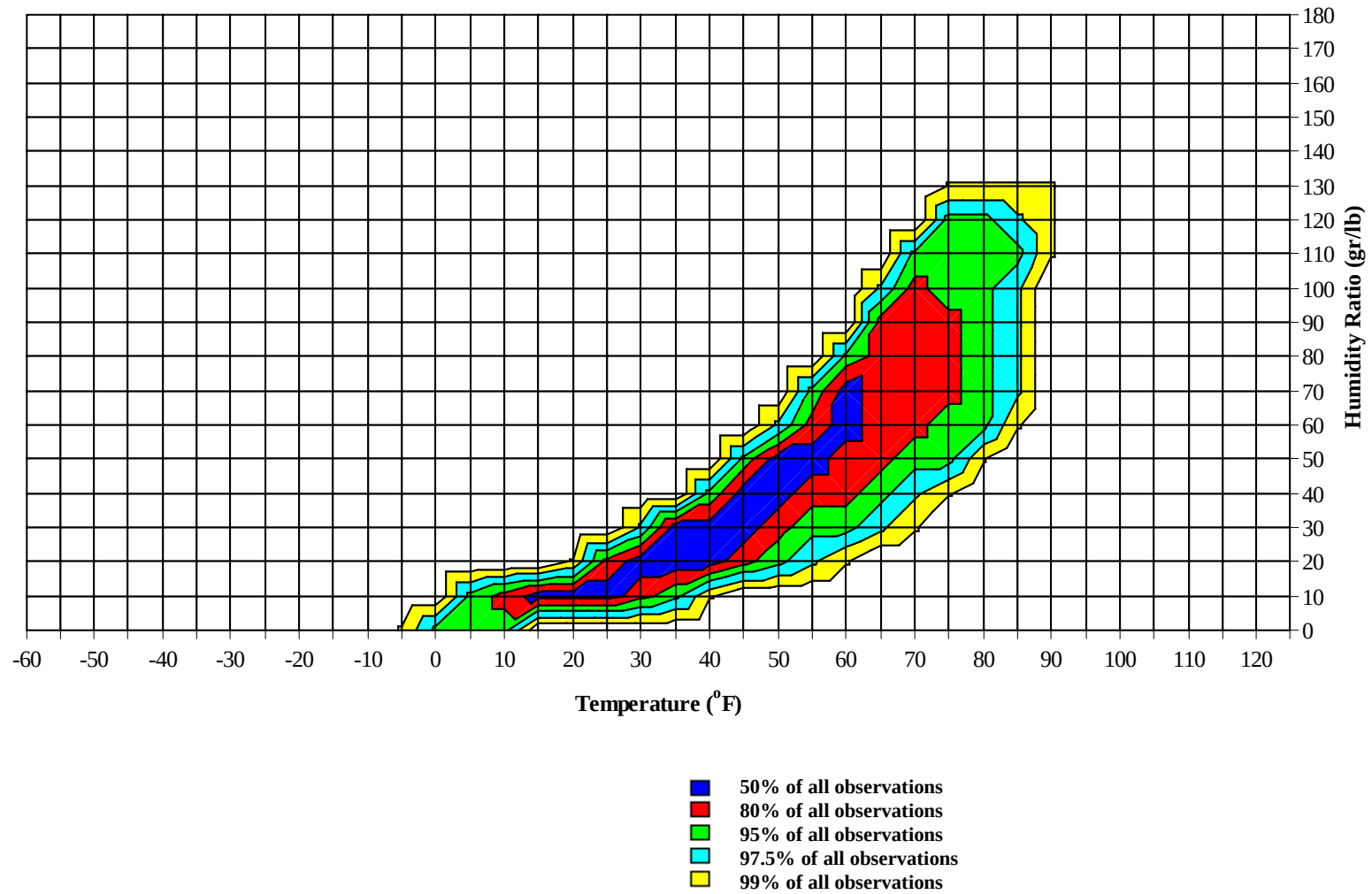


SELFRIDGE ANGB

MI

WMO No. 725377

Long Term Psychrometric Summary

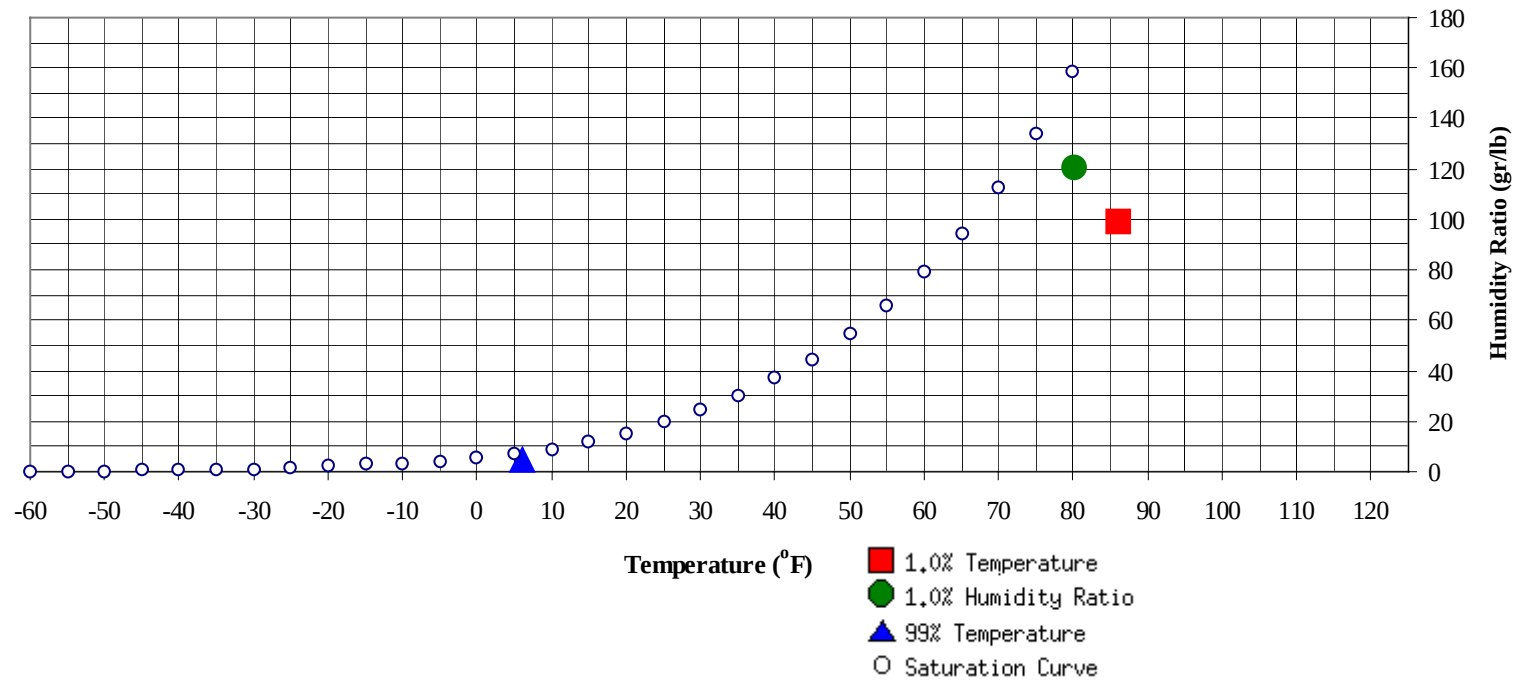


SELFRIDGE ANGB

MI

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Psychrometric Summary of Peak Design Values



	(°F)	MCHR (gr/lb)	Enthalpy (btu/lb)	1.0% Humidity Ratio	(gr/lb)	MCDB (°F)	MCWB (°F)	MC Dewpt (°F)	Enthalpy (btu/lb)
99% Dry Bulb	6	5.1	2.2		120.4	80.1	74.3	72	38.1

	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
1.0% Dry Bulb	86	99.1	72.3	36.2

Dry-Bulb Temperature Hours For An Average Year (Sheet 1 of 5)

Period of Record = 1967 to 1996

Temperature Range (°F)	January					February					March				
	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00		
100 / 104															
95 / 99															
90 / 94															
85 / 89															
80 / 84															
75 / 79												0	0	0	60.1
70 / 74												2	1	3	59.3
65 / 69											0	3	2	5	55.5
60 / 64		0		0	55.1		0	0	0	50.0	1	5	3	9	52.5
55 / 59	0	1	1	2	53.0		1	0	1	48.9	2	8	5	15	50.0
50 / 54	1	2	2	5	48.4	0	3	1	4	45.2	5	14	9	28	46.2
45 / 49	3	4	3	10	43.6	1	7	3	11	42.1	9	26	18	53	42.0
40 / 44	7	13	8	28	39.1	5	17	11	33	38.2	18	42	36	96	37.8
35 / 39	21	34	29	83	34.2	23	35	34	92	33.9	44	54	53	152	33.7
30 / 34	43	45	48	137	29.8	40	40	41	121	29.8	58	44	54	157	29.4
25 / 29	37	42	37	117	25.0	32	37	38	107	24.5	44	27	36	107	24.6
20 / 24	35	39	39	114	20.0	33	34	37	104	20.0	31	15	19	65	20.1
15 / 19	34	32	35	102	15.5	29	23	30	83	15.4	20	6	10	35	15.6
10 / 14	30	20	25	74	10.8	25	16	18	59	10.7	11	2	3	16	10.8
5 / 9	18	10	14	41	6.0	21	8	9	38	6.0	3	0	0	3	6.1
0 / 4	11	4	5	20	1.4	9	2	3	14	1.5	1		0	1	1.9
-5 / -1	5	2	1	8	-3.1	3	1	1	5	-3.2	0			0	-2.0
-10 / -6	2	1	1	4	-7.0	1	0		1	-6.9					
-15 / -11	0	0	0	0	-12.0	0			0	-10.5					
-20 / -16	0	0		0	-16.4										

Caution: This summary reflects the typical distribution of temperature in a typical year. It does not reflect the typical moisture distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary and the ventilation and infiltration load pages in this manual.

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Dry-Bulb Temperature Hours For An Average Year (Sheet 2 of 5)**Period of Record = 1967 to 1996**

Temperature Range (°F)	April					May					June				
	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00		
100 / 104												0		0	75.2
95 / 99												1	0	1	73.6
90 / 94		0		0	68.0		1	0	1	71.9		5	1	6	73.5
85 / 89		0	0	0	67.7		4	1	5	69.8	0	17	6	23	71.2
80 / 84		2	1	3	64.1	0	12	4	16	67.5	2	33	15	50	68.8
75 / 79		4	2	6	62.6	1	21	10	32	64.6	8	46	29	83	66.2
70 / 74	0	8	4	12	59.0	4	27	18	49	61.6	26	53	49	128	63.8
65 / 69	1	15	8	24	56.5	15	39	29	83	58.2	47	44	52	143	61.0
60 / 64	7	25	14	46	53.4	26	46	41	112	54.8	55	26	42	123	57.2
55 / 59	12	30	23	65	49.5	39	43	46	129	51.3	46	11	29	85	53.1
50 / 54	20	40	31	91	45.8	49	32	43	125	47.2	33	4	13	49	48.8
45 / 49	35	41	47	123	42.2	49	16	34	99	43.3	16	0	4	20	44.6
40 / 44	51	39	49	139	38.0	38	6	17	61	39.2	6	0	1	7	40.1
35 / 39	51	23	35	108	33.7	21	1	5	26	34.8	1		0	1	34.9
30 / 34	38	11	19	68	29.3	5		1	6	30.1					
25 / 29	18	2	7	27	24.8	0			0	27.5					
20 / 24	6	1	1	8	20.5										
15 / 19	1		0	1	15.5										
10 / 14	0			0	11.0										
5 / 9															
0 / 4															
-5 / -1															
-10 / -6															
-15 / -11															
-20 / -16															

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SELFRIDGE ANGB MI

WMO No. 725377

Dry-Bulb Temperature Hours For An Average Year (Sheet 3 of 5)**Period of Record = 1967 to 1996**

Temperature Range (°F)	July					August					September				
	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00		
100 / 104		0	0	0	78.5										
95 / 99		2	0	2	75.2		0	0	0	79.5		0		0	74.7
90 / 94		9	4	13	75.8		5	1	6	77.3		1	0	1	73.0
85 / 89	0	30	12	42	73.1	0	21	5	26	73.2		5	1	6	72.7
80 / 84	5	54	29	88	70.1	2	47	21	70	70.7	0	18	5	23	70.5
75 / 79	21	70	53	144	67.6	13	72	48	133	68.3	3	32	14	49	67.8
70 / 74	53	50	65	168	65.5	45	59	65	168	65.8	16	47	35	98	65.3
65 / 69	62	25	49	136	62.1	63	33	57	153	62.4	36	49	48	132	61.8
60 / 64	60	7	26	93	58.4	58	11	33	102	58.6	42	45	49	136	57.4
55 / 59	33	1	9	42	54.3	43	1	14	58	54.4	48	27	44	118	53.3
50 / 54	13		2	15	49.7	18	0	4	22	49.9	46	12	27	84	49.1
45 / 49	1		0	1	45.6	5		1	6	45.5	28	3	13	44	44.7
40 / 44						1			1	40.9	15	1	5	21	40.6
35 / 39											5		1	6	36.4
30 / 34											1		0	1	31.8
25 / 29											0			0	29.0
20 / 24															
15 / 19															
10 / 14															
5 / 9															
0 / 4															
-5 / -1															
-10 / -6															
-15 / -11															
-20 / -16															

Caution: This summary reflects the typical distribution of temperature in a typical year. It does not reflect the typical moisture distribution. Because wet bulb temperatures are averaged, this summary understates the annual moisture load. For accurate moisture load data, see the long-term humidity summary and the ventilation and infiltration load pages in this manual.

SELFRIDGE ANGB MI

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Dry-Bulb Temperature Hours For An Average Year (Sheet 4 of 5)

Period of Record = 1967 to 1996

Temperature Range (°F)	October					November					December				
	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00			01 To 08	09 To 16	17 To 00		
100 / 104															
95 / 99															
90 / 94															
85 / 89															
80 / 84		2	0	2	67.5										
75 / 79		5	1	6	65.4		0		0	61.0					
70 / 74	0	13	4	17	62.7		1	0	1	61.1					
65 / 69	6	23	13	42	59.9	0	3	1	4	58.2		0	0	0	61.0
60 / 64	17	40	28	84	56.6	3	7	5	15	56.8	0	1	1	2	57.9
55 / 59	32	51	42	125	52.3	9	16	12	37	52.8	1	3	2	6	53.5
50 / 54	40	49	50	139	47.9	17	28	21	66	48.2	3	4	3	10	48.1
45 / 49	47	40	49	136	43.3	24	40	32	96	43.5	6	8	6	20	43.5
40 / 44	49	19	37	105	39.1	38	49	46	133	38.7	10	24	15	50	38.9
35 / 39	34	6	18	58	34.9	54	50	53	156	33.9	38	54	48	140	34.3
30 / 34	17	1	5	22	30.6	47	32	44	123	29.4	59	61	62	181	30.0
25 / 29	6	0	1	7	26.2	32	11	22	65	24.9	47	39	45	131	24.9
20 / 24	1			1	21.8	11	2	5	18	20.4	29	26	29	84	20.3
15 / 19						4	1	1	6	16.0	24	16	20	59	15.6
10 / 14						1	0	0	1	11.1	15	8	11	33	11.1
5 / 9											10	4	5	19	6.3
0 / 4											4	1	2	7	1.6
-5 / -1											1		0	1	-2.5
-10 / -6															
-15 / -11															
-20 / -16															

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SELFRIDGE ANGB MI

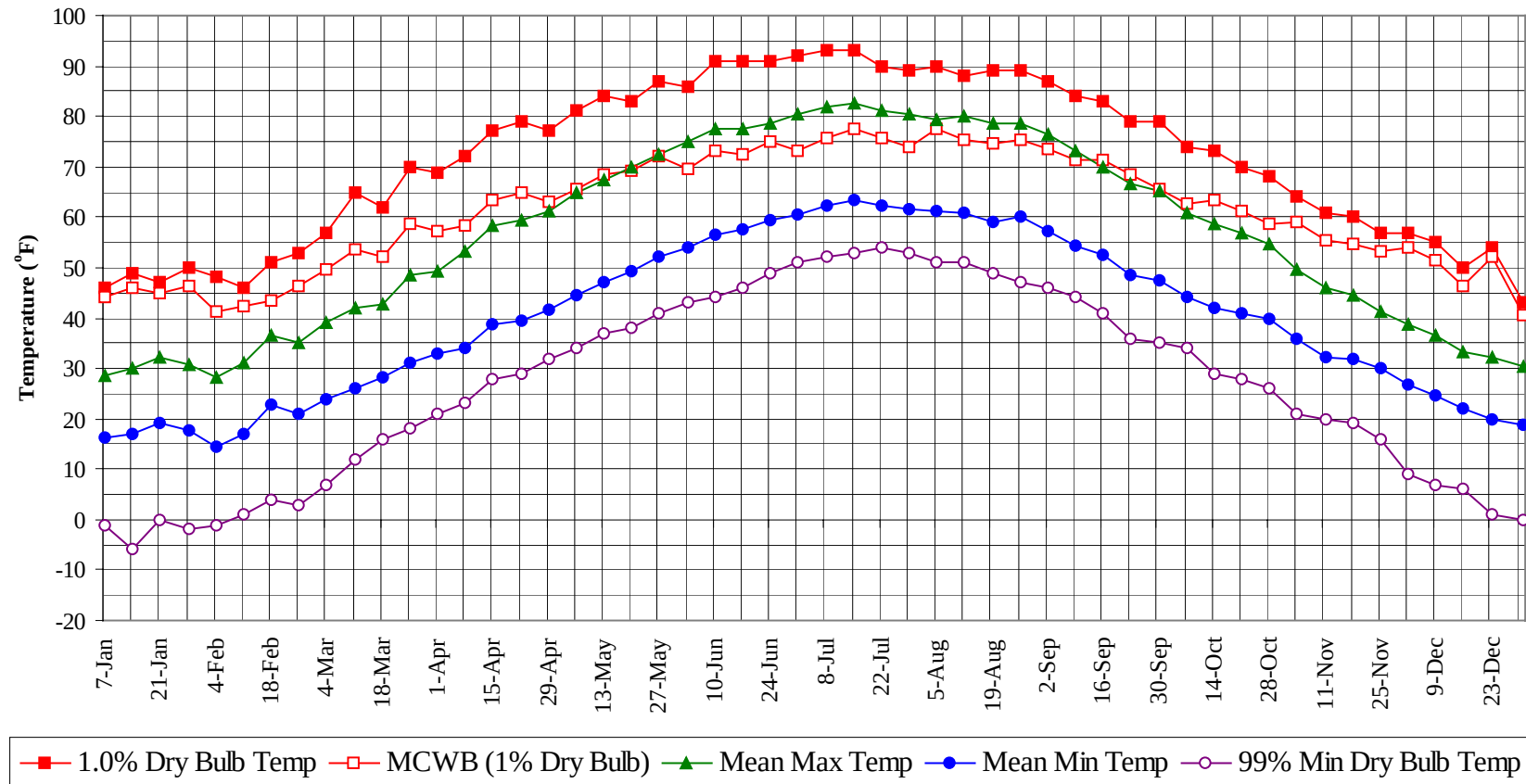
WMO No. 725377

Dry-Bulb Temperature Hours For An Average Year (Sheet 5 of 5)**Period of Record = 1967 to 1996**

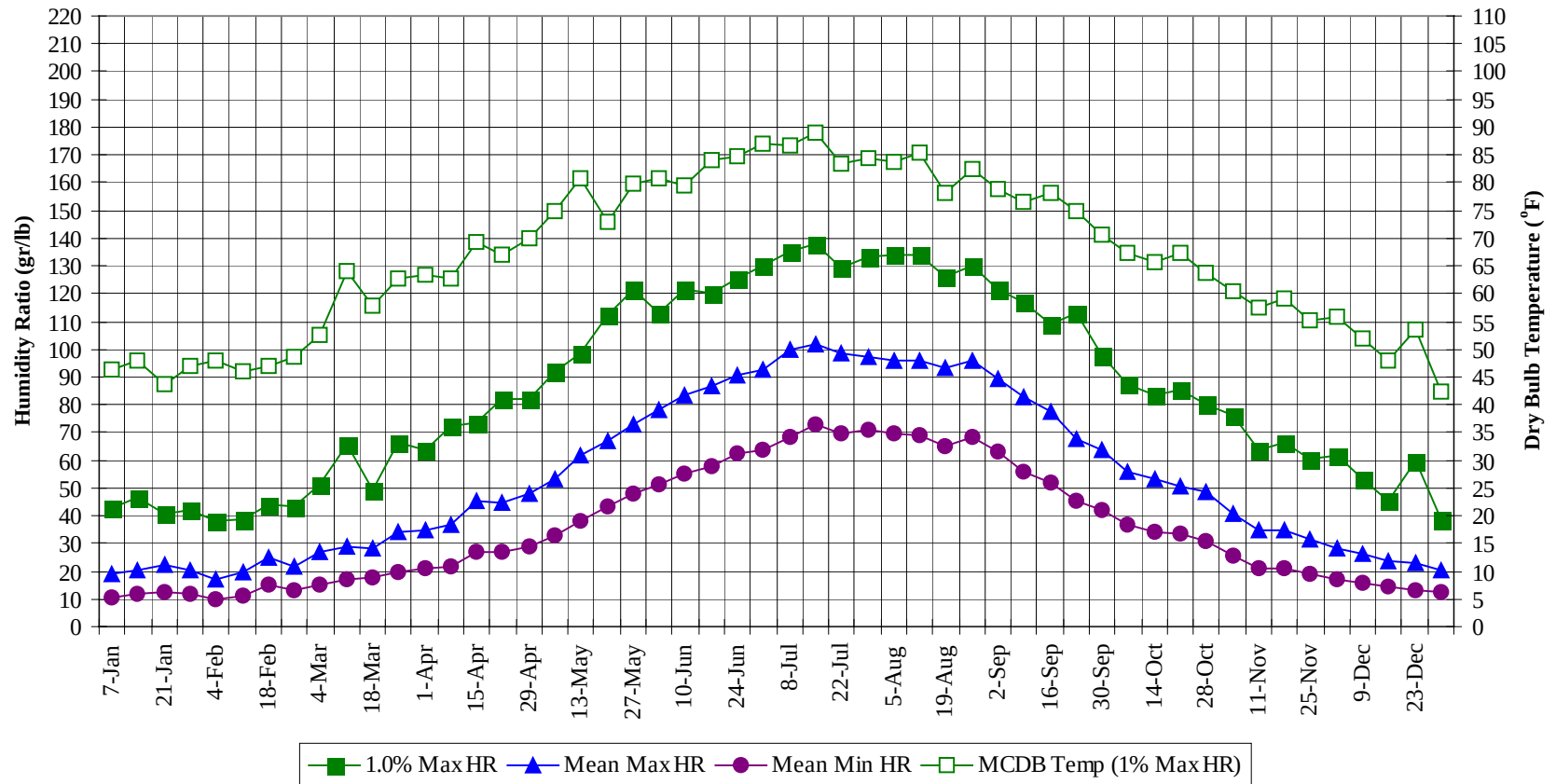
Temperature Range (°F)	Annual Totals				
	Hour Group (LST)			Total Obs	M C W B (°F)
	01 To 08	09 To 16	17 To 00		
100 / 104		1	0	1	77.6
95 / 99		3	1	4	75.2
90 / 94		20	7	27	75.5
85 / 89	0	75	25	100	72.5
80 / 84	9	168	74	252	69.8
75 / 79	46	252	157	455	67.2
70 / 74	147	261	241	648	64.7
65 / 69	234	234	258	726	61.1
60 / 64	271	214	241	727	56.8
55 / 59	267	192	227	686	52.4
50 / 54	247	189	205	641	47.7
45 / 49	227	184	209	620	43.2
40 / 44	238	210	223	672	38.6
35 / 39	288	256	275	818	34.1
30 / 34	303	233	272	808	29.7
25 / 29	216	157	184	557	24.8
20 / 24	145	117	130	392	20.1
15 / 19	111	78	95	284	15.5
10 / 14	80	45	56	182	10.8
5 / 9	51	22	28	101	6.1
0 / 4	27	7	10	44	1.5
-5 / -1	9	2	2	13	-3.1
-10 / -6	3	1	1	5	-7.0
-15 / -11	0	0	0	0	-11.7
-20 / -16	0	0		0	-16.4

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Annual Summary of Temperatures



Long Term Humidity and Dry Bulb Temperature Summary



SELFRIDGE ANGB**MI****WMO No. 725377****Long Term Dry Bulb Temperature and Humidity Summary**

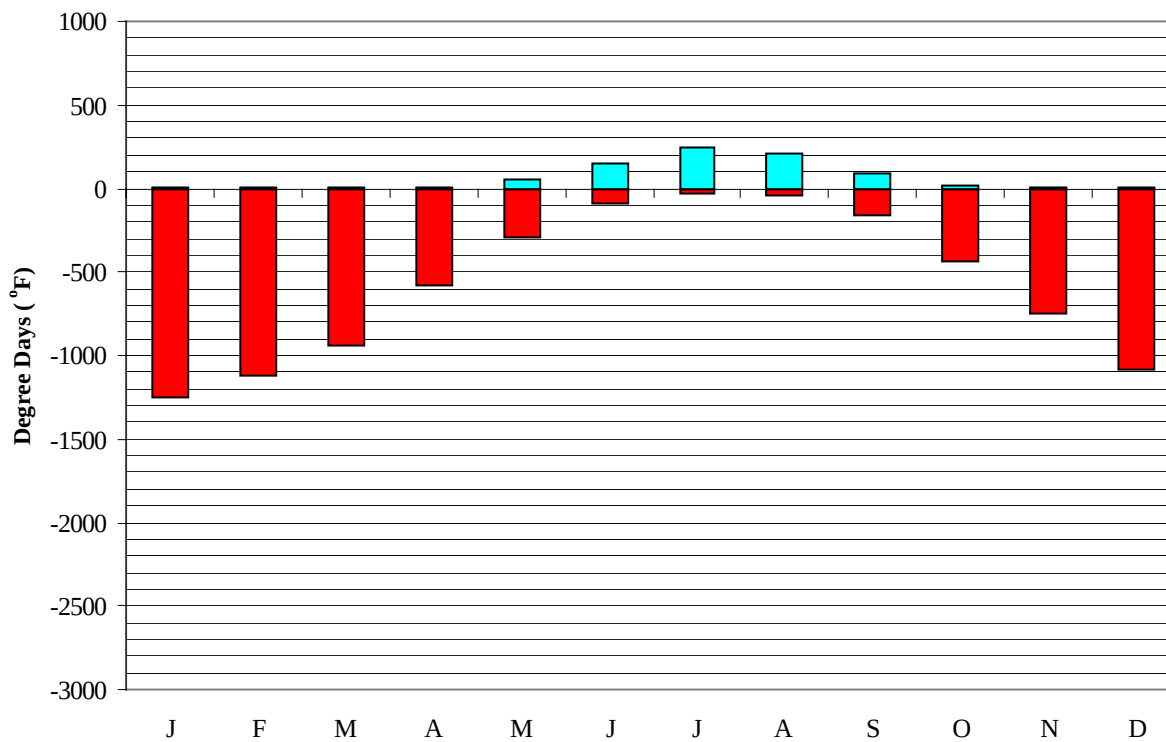
Week Ending	1.0% Temp (°F)	MCWB @ 1% Temp (°F)	Mean Max Temp (°F)	Mean Min Temp (°F)	99% Temp (°F)	1.0% HR (gr/lb)	MCDB @ 1% HR (°F)	Mean Max HR (gr/lb)	Mean Min HR (gr/lb)
7-Jan	46.0	44.1	28.5	16.2	-1.0	42.7	46.2	18.8	10.7
14-Jan	49.0	46.0	30.1	17.0	-6.0	46.9	47.8	20.6	11.9
21-Jan	47.0	45.0	32.2	19.2	0.0	40.6	43.7	22.3	12.6
28-Jan	50.0	46.3	30.7	17.7	-2.0	42.0	47.0	20.5	11.6
4-Feb	48.0	41.4	28.3	14.5	-1.0	37.8	47.8	16.8	9.5
11-Feb	46.0	42.5	31.0	17.0	1.0	38.5	46.1	19.7	11.0
18-Feb	51.0	43.3	36.5	22.9	4.0	44.1	46.9	25.1	15.1
25-Feb	53.0	46.3	35.2	20.9	3.0	43.4	48.5	21.7	13.0
4-Mar	57.0	49.6	39.2	23.8	7.0	51.1	52.6	26.7	15.2
11-Mar	65.0	53.5	42.1	26.1	12.0	65.8	64.2	28.6	16.8
18-Mar	62.0	52.1	42.9	28.2	16.0	49.0	57.8	28.3	17.5
25-Mar	70.0	58.8	48.5	31.0	18.0	66.5	62.7	34.4	19.7
1-Apr	69.0	57.2	49.2	32.8	21.0	63.7	63.3	35.0	21.0
8-Apr	72.0	58.3	53.3	34.1	23.0	72.1	62.9	37.1	21.4
15-Apr	77.0	63.3	58.4	38.7	28.0	73.5	69.2	45.5	27.1
22-Apr	79.0	64.8	59.4	39.5	29.0	81.9	66.9	44.9	26.9
29-Apr	77.0	63.1	61.4	41.5	32.0	81.9	69.8	47.8	28.8
6-May	81.0	65.7	64.7	44.4	34.0	91.7	74.8	53.5	33.0
13-May	84.0	68.3	67.5	47.0	37.0	98.7	80.6	61.7	38.3
20-May	83.0	69.4	69.8	49.4	38.0	112.0	72.8	67.3	43.2
27-May	87.0	72.0	72.3	52.1	41.0	121.8	79.8	72.6	48.0
3-Jun	86.0	69.4	74.9	53.9	43.0	112.7	80.8	78.4	51.5
10-Jun	91.0	73.0	77.5	56.5	44.0	121.8	79.5	83.3	55.4
17-Jun	91.0	72.4	77.5	57.7	46.0	120.4	83.9	86.4	57.6
24-Jun	91.0	74.9	78.8	59.6	49.0	125.3	84.6	90.4	62.5
1-Jul	92.0	73.2	80.5	60.5	51.0	130.2	87.2	92.9	64.0
8-Jul	93.0	75.8	81.8	62.4	52.0	135.1	86.6	100.0	68.4
15-Jul	93.0	77.4	82.4	63.4	53.0	137.9	89.0	101.5	73.2
22-Jul	90.0	75.6	81.2	62.2	54.0	129.5	83.3	98.6	69.7
29-Jul	89.0	74.0	80.3	61.6	53.0	133.0	84.2	97.0	70.7
5-Aug	90.0	77.5	79.4	61.1	51.0	133.7	83.8	95.6	69.3
12-Aug	88.0	75.2	80.2	60.7	51.0	133.7	85.2	95.6	69.0
19-Aug	89.0	74.5	78.5	59.2	49.0	126.0	78.1	93.6	65.1
26-Aug	89.0	75.3	78.5	59.9	47.0	130.2	82.3	96.0	68.5
2-Sep	87.0	73.4	76.5	57.3	46.0	121.8	78.9	89.4	62.8
9-Sep	84.0	71.3	73.3	54.5	44.0	116.9	76.5	82.9	55.5
16-Sep	83.0	71.4	69.9	52.6	41.0	109.2	78.1	77.4	52.1
23-Sep	79.0	68.5	66.6	48.6	36.0	112.7	74.8	67.9	45.4
30-Sep	79.0	65.5	65.2	47.3	35.0	98.0	70.6	63.4	41.9
7-Oct	74.0	62.6	60.9	44.2	34.0	87.5	67.4	55.9	36.5
14-Oct	73.0	63.6	58.7	42.1	29.0	83.3	65.7	53.2	33.9
21-Oct	70.0	61.2	57.0	41.0	28.0	85.4	67.3	50.5	33.3
28-Oct	68.0	58.8	54.8	39.9	26.0	79.8	63.8	48.6	30.7
4-Nov	64.0	59.2	49.5	35.9	21.0	76.3	60.3	40.9	25.9
11-Nov	61.0	55.3	46.1	32.1	20.0	63.7	57.6	35.0	21.2
18-Nov	60.0	54.8	44.6	31.9	19.0	66.5	59.0	34.5	21.1
25-Nov	57.0	53.1	41.4	29.9	16.0	60.2	55.1	31.4	19.1
2-Dec	57.0	54.0	38.6	26.7	9.0	61.6	55.8	28.2	16.9
9-Dec	55.0	51.5	36.4	24.7	7.0	53.2	52.0	26.5	16.0
16-Dec	50.0	46.4	33.2	22.1	6.0	45.5	48.1	23.8	14.5
23-Dec	54.0	52.2	32.2	19.9	1.0	59.5	53.7	23.3	13.4
31-Dec	43.0	40.7	30.4	18.7	0.0	38.5	42.3	20.7	12.3

SELFRIDGE ANGB

MI

WMO No. 725377

Degree Days, Heating and Cooling
(Base 65°F)



■ Mean Cooling Degree Days ■ Mean Heating Degree Days

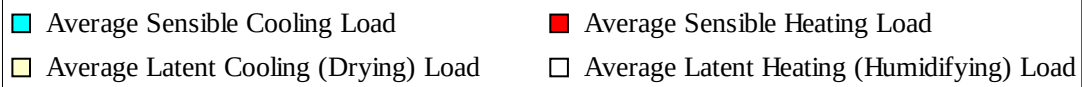
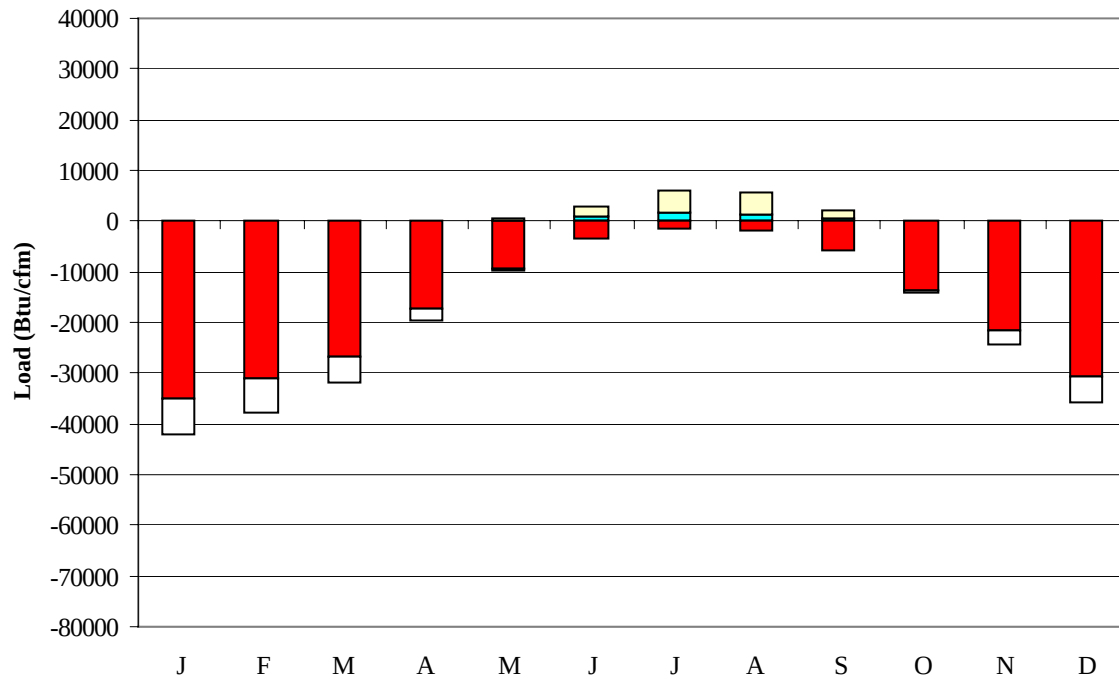
	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	0	1254
FEB	0	1120
MAR	1	946
APR	10	578
MAY	52	292
JUN	151	90
JUL	250	32
AUG	207	46
SEP	84	159
OCT	12	436
NOV	0	747
DEC	0	1087
ANN	768	6787

SELFRIDGE ANGB

MI

WMO No. 725377

Average Ventilation and Infiltration Loads
(Outside Air vs. 75°F, 60% RH summer; 68°F, 30% RH winter)



	Average Sensible Cooling Load (Btu/cfm)	Average Sensible Heating Load (Btu/cfm)	Average Latent Cooling Load (Btu/cfm)	Average Latent Heating Load (Btu/cfm)
JAN	0	-34894	0	-7124
FEB	0	-31241	0	-6388
MAR	1	-26906	0	-4751
APR	36	-17190	11	-2271
MAY	240	-9495	448	-419
JUN	929	-3440	1966	-20
JUL	1754	-1478	4466	-4
AUG	1201	-1975	4396	0
SEP	335	-5617	1818	-39
OCT	22	-13550	93	-675
NOV	0	-21690	4	-2804
DEC	0	-30554	0	-5400
ANN	4518	-198030	13202	-29895

Average Annual Solar Radiation – Nearest Available Site

(Source: National Renewable Energy Laboratory, Golden CO, 1995)

City: DETROIT
 State: MI
 WBAN No: 94847
 Lat(N): 42.42
 Long(W): 83.02
 Elev(ft): 627

Stn Type: Secondary
 SHADING GEOMETRY IN DIMENSIONLESS UNITS

Window: 1
 Overhang: 0.603
 Vert Gap: 0.329

AVERAGE INCIDENT SOLAR RADIATION (Btu/sq.ft./day), Percentage Uncertainty = 9		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ	Global	520	780	1090	1450	1790	1970	1930	1670	1300	890	540	410	1200
	Std Dev	34	67	70	119	131	125	83	119	84	74	52	38	28
	Minimum	420	670	980	1140	1460	1750	1800	1450	1120	700	420	340	1140
	Maximum	600	1000	1270	1650	2070	2310	2140	1920	1470	1070	670	490	1270
	Diffuse	320	440	590	710	830	870	850	750	610	450	330	280	590
Clear Day	Global	770	1130	1620	2130	2470	2600	2520	2210	1750	1240	830	670	1660
NORTH	Global	180	260	340	430	550	620	590	480	370	270	190	160	370
	Diffuse	180	260	340	420	500	540	530	460	370	270	190	160	350
Clear Day	Global	170	240	330	430	580	680	630	470	360	260	180	160	370
EAST	Global	340	500	680	870	1030	1110	1110	980	790	580	350	270	720
	Diffuse	220	310	410	520	610	640	640	570	460	340	230	190	430
Clear Day	Global	600	810	1070	1300	1420	1460	1420	1310	1110	860	620	530	1040
SOUTH	Global	770	960	980	950	890	840	880	980	1060	1020	730	610	890
	Diffuse	330	420	490	540	580	590	600	580	520	430	320	280	470
Clear Day	Global	1740	1870	1800	1490	1180	1030	1080	1320	1630	1800	1720	1650	1520
WEST	Global	340	500	650	820	990	1080	1080	980	790	560	350	270	700
	Diffuse	220	320	410	520	610	650	640	570	460	340	230	190	430
Clear Day	Global	600	810	1070	1300	1420	1460	1420	1310	1110	860	620	530	1040

Average Annual Solar Heat and Illumination – Nearest Available Site

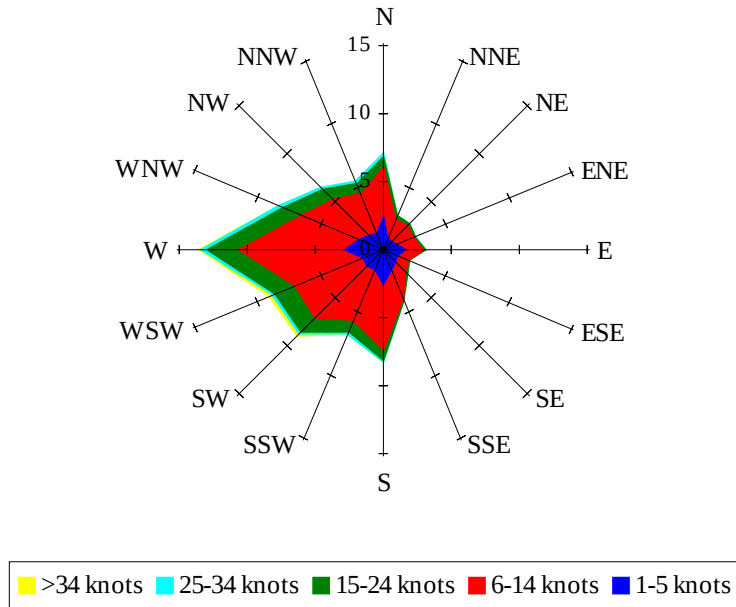
(Source: National Renewable Energy Laboratory, Golden CO, 1995)

AVERAGE TRANSMITTED SOLAR RADIATION (Btu/sq.ft./day) FOR DOUBLE GLAZING, Percentage Uncertainty = 9		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ	Unshaded	340	530	760	1040	1290	1430	1400	1200	920	610	350	270	850
NORTH	Unshaded	130	180	240	300	360	410	390	320	260	190	130	110	250
	Shaded	110	150	200	250	310	350	340	280	220	160	110	90	220
EAST	Unshaded	230	350	480	620	730	790	790	700	560	410	240	180	510
	Shaded	200	300	400	520	610	650	650	580	470	350	210	160	430
SOUTH	Unshaded	580	710	690	630	560	520	550	630	720	740	550	460	610
	Shaded	550	640	530	400	350	360	360	380	510	630	520	440	470
WEST	Unshaded	230	350	460	590	700	770	770	700	560	400	240	180	500
	Shaded	200	300	390	490	580	630	640	580	470	340	210	160	420

AVERAGE INCIDENT ILLUMINANCE (klux-hr) FOR MOSTLY CLEAR AND MOSTLY CLOUDY CONDITIONS, Percentage Uncertainty = 9		March					June				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	26	62	76	66	33	37	76	96	97	74
	M.Cloudy	15	36	45	40	20	23	49	67	67	52
NORTH	M.Clear	8	13	15	14	9	20	16	17	17	16
	M.Cloudy	7	14	16	15	8	12	16	19	19	16
EAST	M.Clear	62	63	20	14	9	69	77	43	17	16
	M.Cloudy	18	28	18	15	8	28	42	32	19	16
SOUTH	M.Clear	28	67	84	72	36	11	29	49	49	30
	M.Cloudy	11	29	37	32	15	9	22	36	36	23
WEST	M.Clear	8	13	15	56	67	11	16	17	41	74
	M.Cloudy	7	14	16	28	23	9	16	19	31	45
M.Clear	(% hrs)	31	27	27	24	24	44	44	38	33	33
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	17	55	78	76	52	5	29	40	29	4
	M.Cloudy	10	33	50	50	34	3	17	23	17	3
NORTH	M.Clear	6	13	16	16	13	2	8	10	8	2
	M.Cloudy	5	12	17	17	12	2	7	10	7	1
EAST	M.Clear	45	71	39	16	13	16	39	10	8	2
	M.Cloudy	13	31	27	17	12	4	13	10	7	1
SOUTH	M.Clear	12	49	74	73	47	13	64	81	63	11
	M.Cloudy	6	24	41	41	25	3	18	24	17	3
WEST	M.Clear	6	13	16	41	69	2	8	11	39	13
	M.Cloudy	5	12	17	28	34	2	7	10	13	3
M.Clear	(% hrs)	43	40	35	34	36	18	19	18	18	19

Wind Summary - December, January, and February

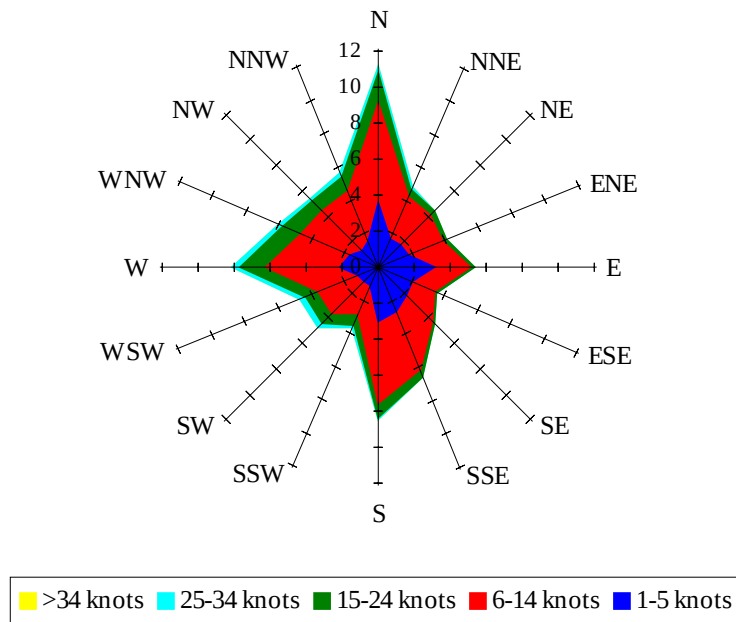
Labels of Percent Frequency on North Axis



Percent Calm = 7.39

Wind Summary - March, April, and May

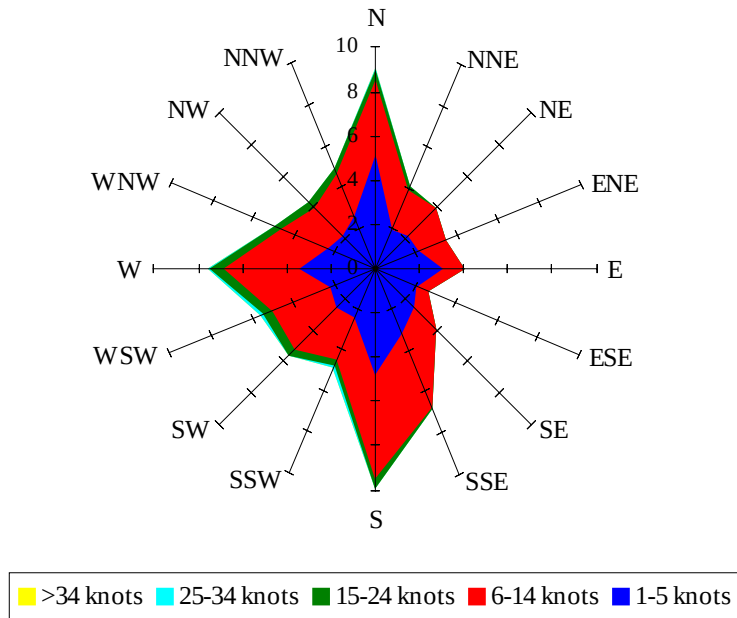
Labels of Percent Frequency on North Axis



Percent Calm = 9.99

Wind Summary - June, July, and August

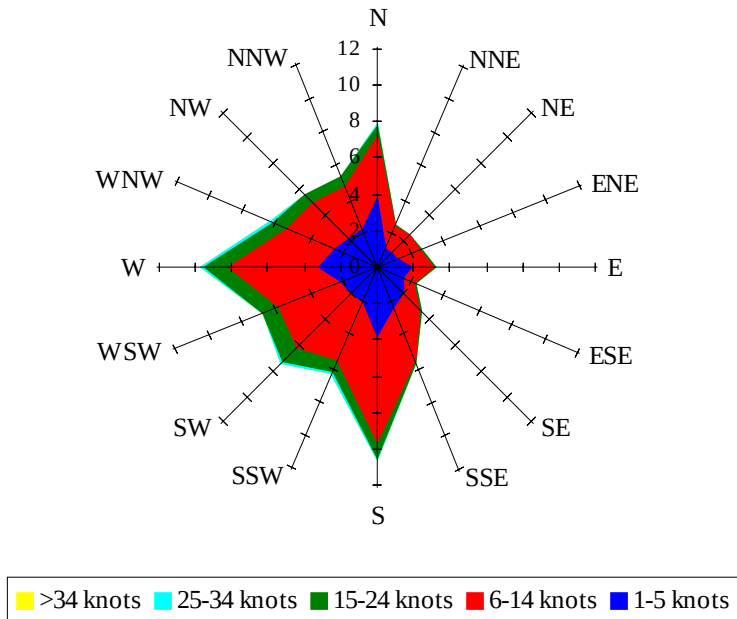
Labels of Percent Frequency on North Axis



Percent Calm = 15.73

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 12.15