FORT HUACHUCA/LIBBY AZ	
Latitude = 31.60 N	WMO No. 722730
Longitude =110.30 W	Elevation = 4718 feet
Period of Record = 1967 to 1996	Average Pressure = 25.30 inches Hg

Design Criteria Data

		Mean Coincident (Average) Values			
Dry Bulb Temperature (T)	**Design Value (^oF)**	Wet Bulb Temperature (^oF)	Humidity Ratio (gr/lb)	Wind Speed (mph)	Prevailing Direction (NSEW)
Median of Extreme Highs	100	63	41	6.9	E
0.4% Occurrence	97	62	43	9.1	W
1.0% Occurrence	95	62	46	8.5	W
2.0% Occurrence	92	62	48	8.2	W
Mean Daily Range	21	-	-	-	-
97.5% Occurrence	35	31	24	4.7	W
99.0% Occurrence	32	29	23	4.4	W
99.6% Occurrence	29	26	18	3.9	W
Median of Extreme Lows	23	20	13	2.4	S
		Mean Coincident (Average) Values			
Wet Bulb Temperature (T_{wb})	**Design Value (^oF)**	Dry Bulb Temperature (^oF)	Humidity Ratio (gr/lb)	Wind Speed (mph)	Prevailing Direction (NSEW)
Median of Extreme Highs	71	86	110	6.7	WNW
0.4% Occurrence	69	85	100	6.1	W
1.0% Occurrence	68	82	97	5.6	W
2.0% Occurrence	67	82	93	5.7	W
		Mean Coincident (Average) Values			
Humidity Ratio (HR)	**Design Value (gr/lb)**	Dry Bulb Temperature (^oF)	Vapor Pressure (in. Hg)	Wind Speed (mph)	Prevailing Direction (NSEW)
Median of Extreme Highs	118	75	0.67	6.1	WNW
0.4% Occurrence	110	74	0.62	5.4	W
1.0% Occurrence	106	74	0.60	4.8	W
2.0% Occurrence	102	74	0.58	5.0	W
Air Conditioning/		$T \geq 93^oF$	$T \geq 80^oF$	$T_{wb} \geq 73^oF$	$T_{wb} \geq 67^oF$
Humid Area Criteria	# of Hours	165	1724	1	305

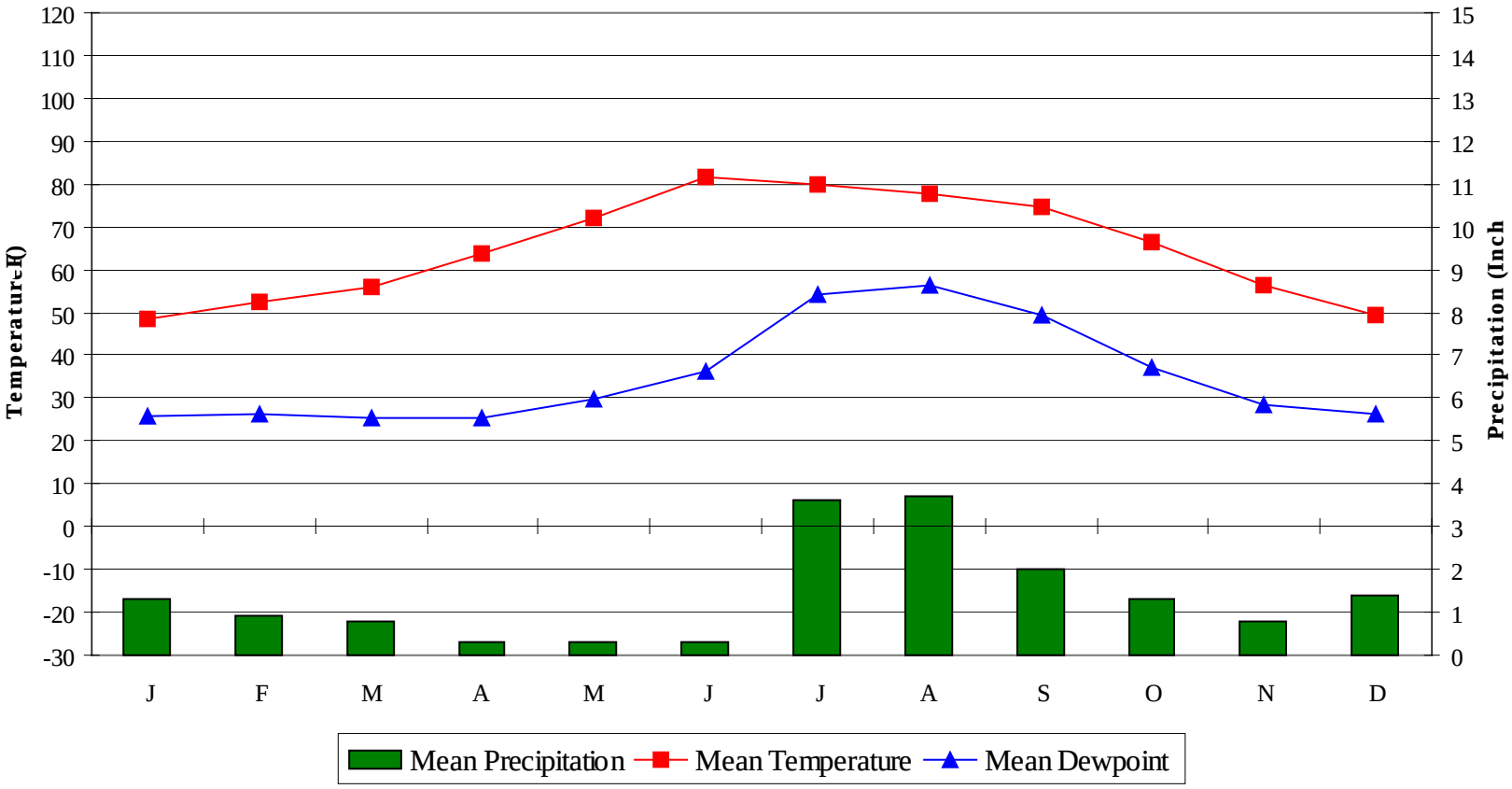
Other Site Data

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^oF-RH 60% Latent + Sensible
11	3.0	90	0.1 + 1.5
Ground Water Temperature (^oF) 50 Foot Depth *	**Frost Depth 50 Year Recurrence (in.)**	**Ground Snow Load 50 Year Recurrence (lb/ft^2)**	**Average Annual Freeze-Thaw Cycles (#)**
67.7	0	5	16

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

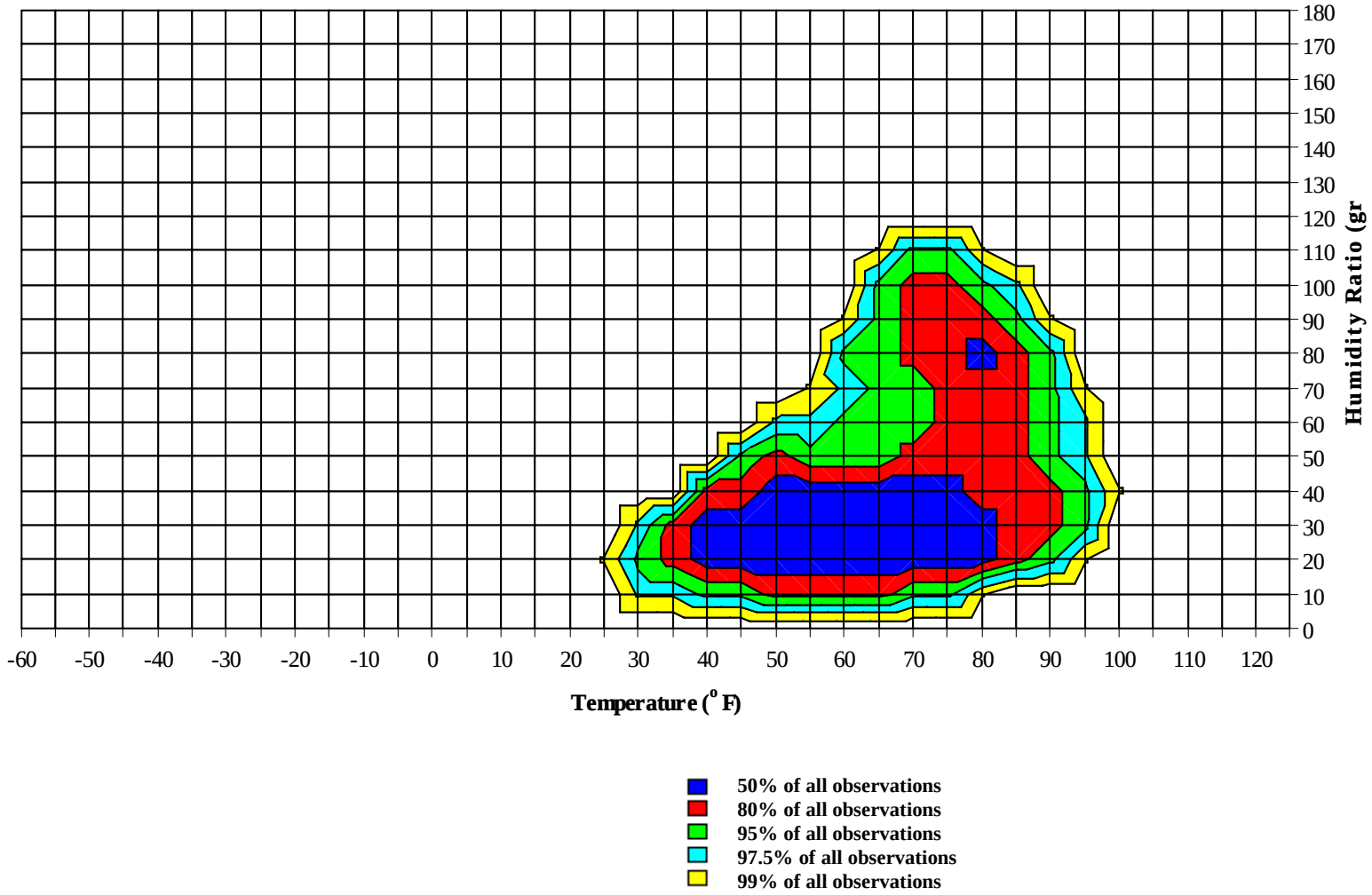
FORT HUACHUCA/LIBBY AZ WMO No. 722730

Average Annual Climate

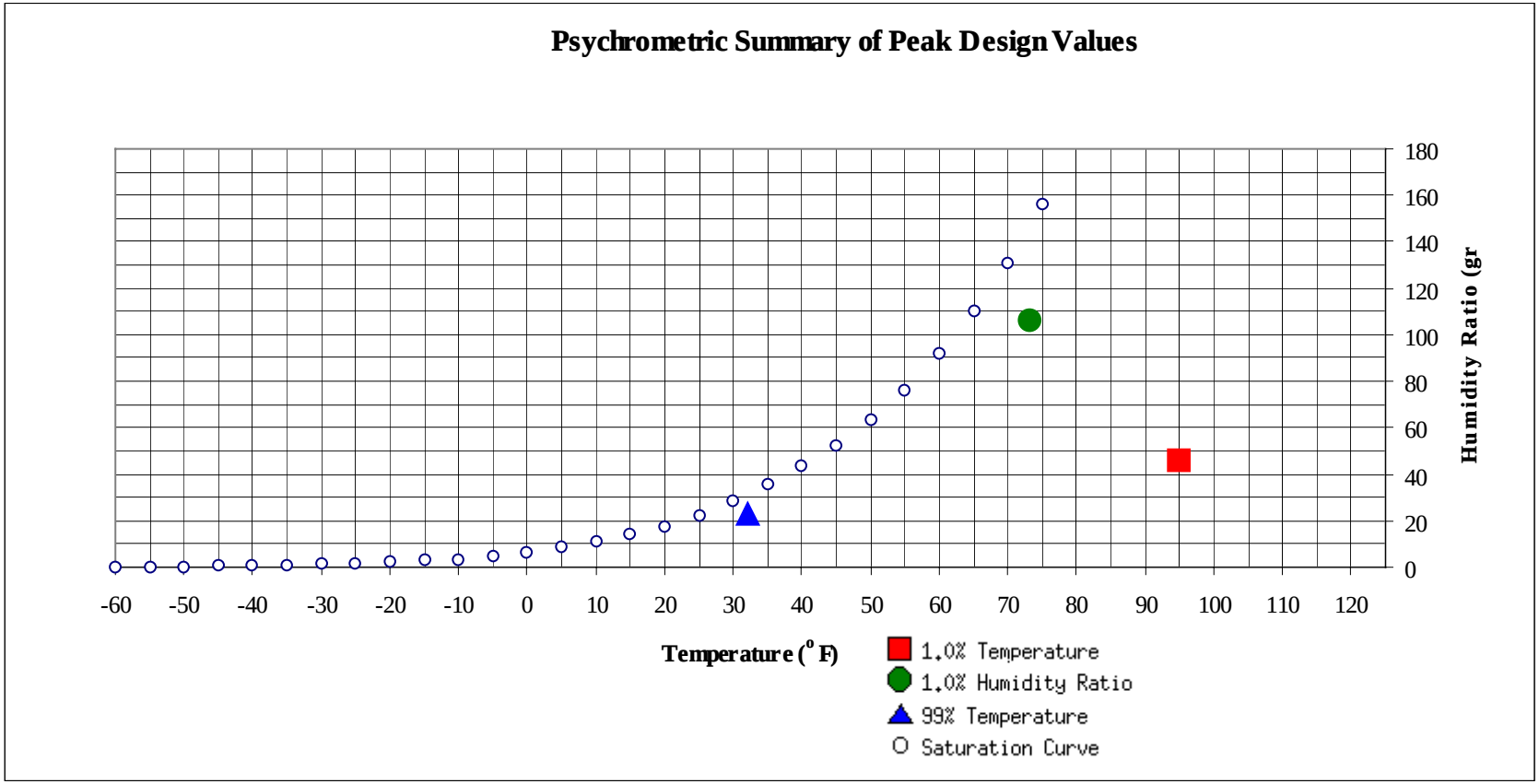


FORT HUACHUCA/LIBBY AZ WMO No. 722730

Long Term Psychrometric Summary



FORT HUACHUCA/LIBBY AZ WMO No. 722730



	(°F)	MCHR (gr/lb)	Enthalpy (btu/lb)
99% Dry Bulb	32	22.6	11.2

	(gr/lb)	MCDB (°F)	MCWB (°F)	MC Dewpt (°F)	Enthalpy (btu/lb)
1.0% Humidity Ratio	106.4	73.1	66.7	64.1	34.2

	(°F)	MCHR (gr/lb)	MCWB (°F)	Enthalpy (btu/lb)
1.0% Dry Bulb	95	45.9	62.1	30.0

FORT HUACHUCA/LIBBY AZ WMO No. 722730

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

Period of Record = 1967 to 1996

Temperature Range (°F)	January Hour Group (LST) 01 To 08	09 To 16	17 To 00	Total Obs	MCWB (°F)	February Hour Group (LST) 01 To 08	09 To 16	17 To 00	Total Obs	MCWB (°F)	March Hour Group (LST) 01 To 08	09 To 16	17 To 00	Total Obs	MCWB (°F)
105 / 109															
100 / 104															
95 / 99															
90 / 94															
85 / 89												0	0	0	54.1
80 / 84												2	0	2	51.9
75 / 79		1	0	1	48.8		3	1	5	49.1		14	3	17	50.4
70 / 74		6	1	7	47.3		15	4	19	48.0		34	14	48	48.2
65 / 69		20	4	24	45.6		30	11	41	46.5	2	42	25	68	46.3
60 / 64		32	11	43	44.2	0	43	23	65	44.7	6	48	43	97	44.5
55 / 59	3	49	30	82	42.7	6	46	43	96	43.0	24	43	49	116	42.6
50 / 54	13	50	52	115	41.4	26	37	53	116	41.4	44	32	49	125	40.8
45 / 49	42	46	63	151	39.1	52	29	47	127	38.9	62	20	32	114	38.7
40 / 44	59	25	48	132	35.5	60	14	26	100	35.8	52	9	20	81	36.0
35 / 39	64	14	27	104	32.2	47	5	12	64	32.3	37	3	10	50	33.1
30 / 34	45	5	10	60	28.8	26	1	3	31	28.6	18	1	3	22	30.0
25 / 29	16	1	2	19	24.2	5	0	1	6	23.8	3	0	0	3	25.4
20 / 24	6	0	0	6	19.7	2	0	0	2	19.6					
15 / 19	0			0	15.8	0			0	17.0					
10 / 14															
5 / 9															

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.

FORT HUACHUCA/LIBBY AZ WMO No. 722730

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)				MCWB	Hour Group (LST)				MCWB	Hour Group (LST)				MCWB
	01 To 08	09 To 16	17 To 00	Total Obs	(°F)	01 To 08	09 To 16	17 To 00	Total Obs	(°F)	01 To 08	09 To 16	17 To 00	Total Obs	(°F)
105 / 109															
100 / 104							0		0	57.0		3	0	3	63.2
95 / 99							1	0	1	58.1		25	10	35	61.2
90 / 94		0	0	0	55.8		9	3	12	57.4	0	56	29	85	59.3
85 / 89		3	1	4	54.0	0	31	14	45	55.6	8	64	45	117	57.8
80 / 84		21	5	26	52.6	2	57	30	89	53.9	23	51	55	129	56.5
75 / 79	0	47	19	67	50.6	10	63	47	119	52.2	49	27	50	126	55.1
70 / 74	3	58	36	97	48.8	30	48	55	133	50.4	64	10	32	106	53.7
65 / 69	15	43	47	105	47.0	53	24	48	125	48.7	51	3	14	68	52.2
60 / 64	32	28	51	111	44.9	61	10	29	101	46.9	30	1	4	35	49.7
55 / 59	52	20	37	108	42.9	51	3	13	68	44.3	12	0	1	13	46.8
50 / 54	58	10	23	91	40.4	25	1	4	31	41.8	3			3	42.7
45 / 49	41	6	12	59	37.8	10	1	2	13	38.9	0			0	42.0
40 / 44	23	2	6	31	35.4	5	0	1	6	36.1	0			0	35.0
35 / 39	13	1	2	16	32.3	2			2	32.8					
30 / 34	3	0	1	4	30.7										
25 / 29	0			0	27.0										
20 / 24	0			0											
15 / 19															
10 / 14															
5 / 9															

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.

FORT HUACHUCA/LIBBY AZ WMO No. 722730

Dry-Bulb Temperature Hours For An Average Year (Sheet 3 of 5)

Period of Record = 1967 to 1996

Temperature Range (°F)	July Hour Group (LST) 01 To 08	July 09 To 16	July 17 To 00	July Total Obs	July MCWB (°F)	August Hour Group (LST) 01 To 08	August 09 To 16	August 17 To 00	August Total Obs	August MCWB (°F)	September Hour Group (LST) 01 To 08	September 09 To 16	September 17 To 00	September Total Obs	September MCWB (°F)
105 / 109		0		0	65.0										
100 / 104		1	0	1	63.6		0		0	64.5					
95 / 99		14	5	20	63.6		3	1	5	65.5		1		1	65.6
90 / 94	0	41	17	58	63.5		26	9	34	64.9		10	2	12	63.3
85 / 89	3	63	33	99	63.9	0	64	26	89	64.8		46	12	58	61.9
80 / 84	18	63	50	131	63.8	5	79	43	127	64.8	2	75	32	108	61.1
75 / 79	50	41	62	153	63.6	32	50	67	149	64.0	13	59	51	123	60.2
70 / 74	81	18	49	147	63.1	76	19	62	158	63.1	43	31	67	141	58.9
65 / 69	84	7	27	118	62.6	99	6	35	140	61.9	74	12	47	133	57.5
60 / 64	13	1	3	17	60.9	32	1	5	39	59.0	74	5	24	103	55.7
55 / 59						3		0	3	54.5	27	1	4	33	51.9
50 / 54											6	1	1	8	47.0
45 / 49											0			0	42.7
40 / 44															
35 / 39															
30 / 34															
25 / 29															
20 / 24															
15 / 19															
10 / 14															
5 / 9															

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.

FORT HUACHUCA/LIBBY AZ WMO No. 722730

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)				MCWB	Hour Group (LST)				MCWB	Hour Group (LST)				MCWB
	01 To 08	09 To 16	17 To 00	Total Obs	(°F)	01 To 08	09 To 16	17 To 00	Total Obs	(°F)	01 To 08	09 To 16	17 To 00	Total Obs	(°F)
105 / 109															
100 / 104															
95 / 99															
90 / 94		1	0	1	59.1										
85 / 89		11	1	12	57.3		0		0	51.5					
80 / 84		37	9	45	56.0		2	0	2	51.8					
75 / 79	2	58	18	78	54.7		15	1	16	51.2		1		1	49.8
70 / 74	8	58	38	104	53.5		38	7	44	49.6		11	1	12	48.5
65 / 69	25	41	54	120	51.8	0	48	17	64	48.1		25	5	30	46.6
60 / 64	52	23	57	131	50.0	6	47	38	91	46.5		38	14	52	44.7
55 / 59	61	12	40	113	47.2	26	38	55	119	44.2	3	49	31	83	43.2
50 / 54	53	5	18	77	44.0	52	26	55	133	42.1	14	50	55	119	41.3
45 / 49	28	2	9	39	40.2	63	15	34	112	38.6	42	38	61	140	38.9
40 / 44	14	1	2	17	36.0	47	10	20	76	35.5	64	20	41	125	35.7
35 / 39	5		1	6	32.7	27	3	11	41	32.1	58	11	25	94	32.2
30 / 34	0			0	30.8	16	0	2	18	28.7	45	4	12	62	29.0
25 / 29						3	0	0	3	24.8	18	1	2	21	24.5
20 / 24						0			0	21.0	2	1	0	2	20.8
15 / 19											2	0	0	2	15.6
10 / 14											0		0	0	11.2
5 / 9											0			0	8.0

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.

FORT HUACHUCA/LIBBY AZ WMO No. 722730

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

Period of Record = 1967 to 1996

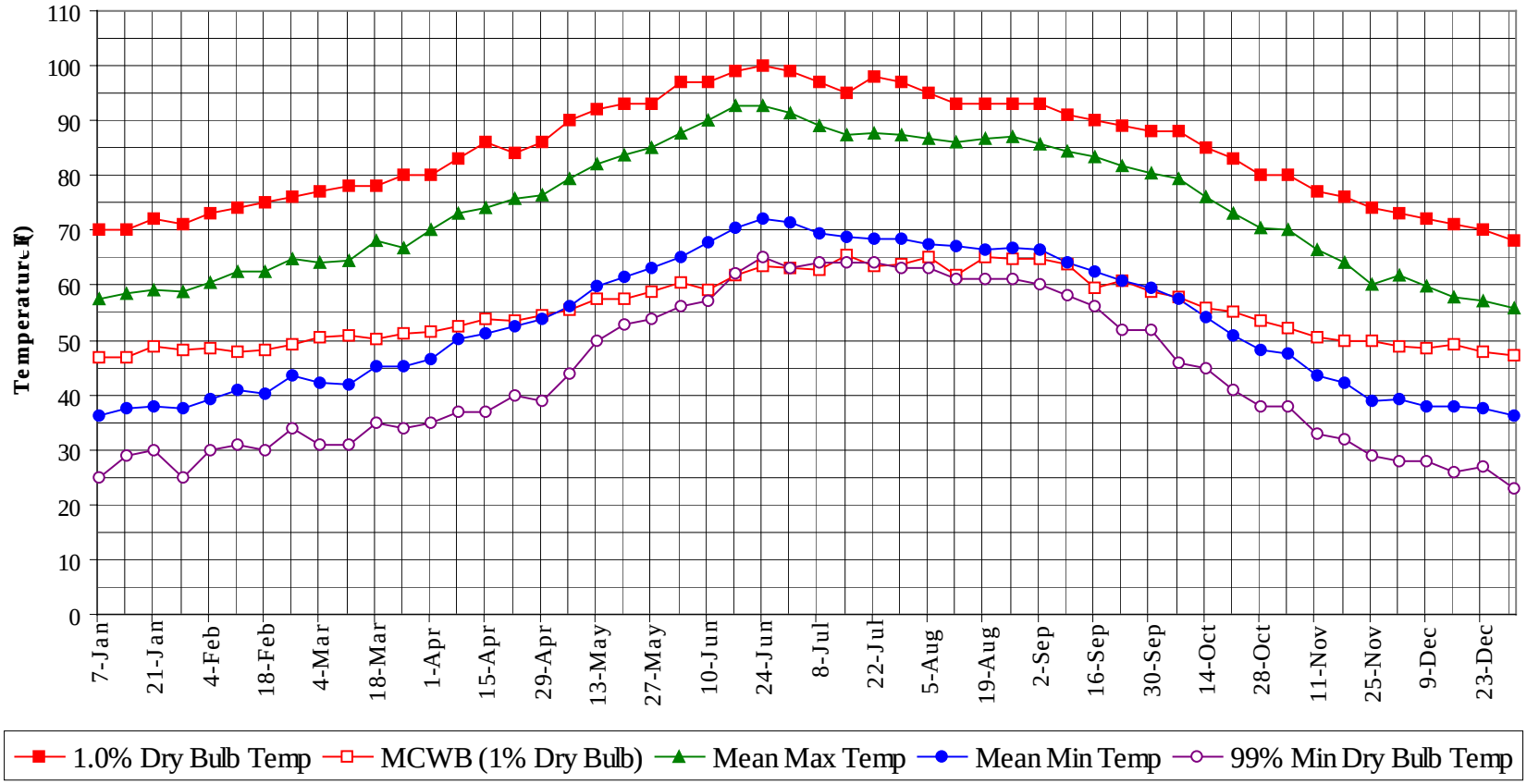
Annual Totals

Temperature Range (°F)	Hour Group (LST) 01 To 08	09 To 16	17 To 00	Total Obs	MCWB (°F)
105 / 109		0		0	65.0
100 / 104		4	1	5	63.3
95 / 99		45	16	61	62.2
90 / 94	0	146	61	207	61.6
85 / 89	11	286	137	434	61.0
80 / 84	52	391	231	674	59.7
75 / 79	160	383	331	873	57.5
70 / 74	311	347	378	1036	54.8
65 / 69	408	297	342	1047	52.1
60 / 64	311	273	302	886	47.6
55 / 59	271	258	300	829	44.0
50 / 54	295	208	299	802	41.6
45 / 49	337	153	248	738	38.9
40 / 44	316	80	156	551	35.7
35 / 39	247	36	81	364	32.3
30 / 34	147	12	31	189	29.0
25 / 29	42	2	5	49	24.4
20 / 24	10	1	1	11	20.1
15 / 19	2	0	0	2	15.7
10 / 14	0		0	0	11.2
5 / 9	0			0	8.0

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.

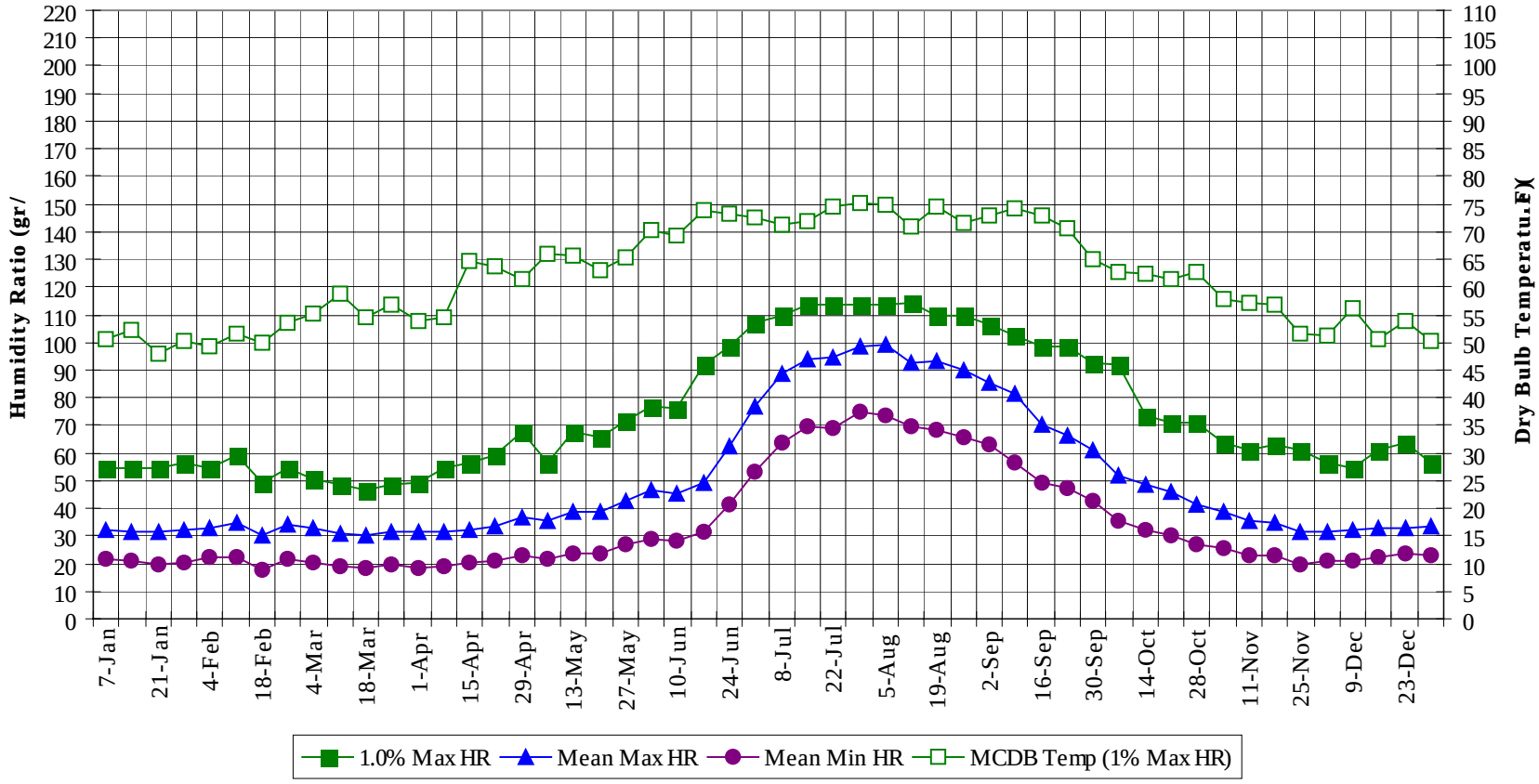
FORT HUACHUCA/LIBBY AZ WMO No. 722730

Annual Summary of Temperatures



FORT HUACHUCA/LIBBY AZ WMO No. 722730

Long Term Humidity and Dry Bulb Temperature Summary



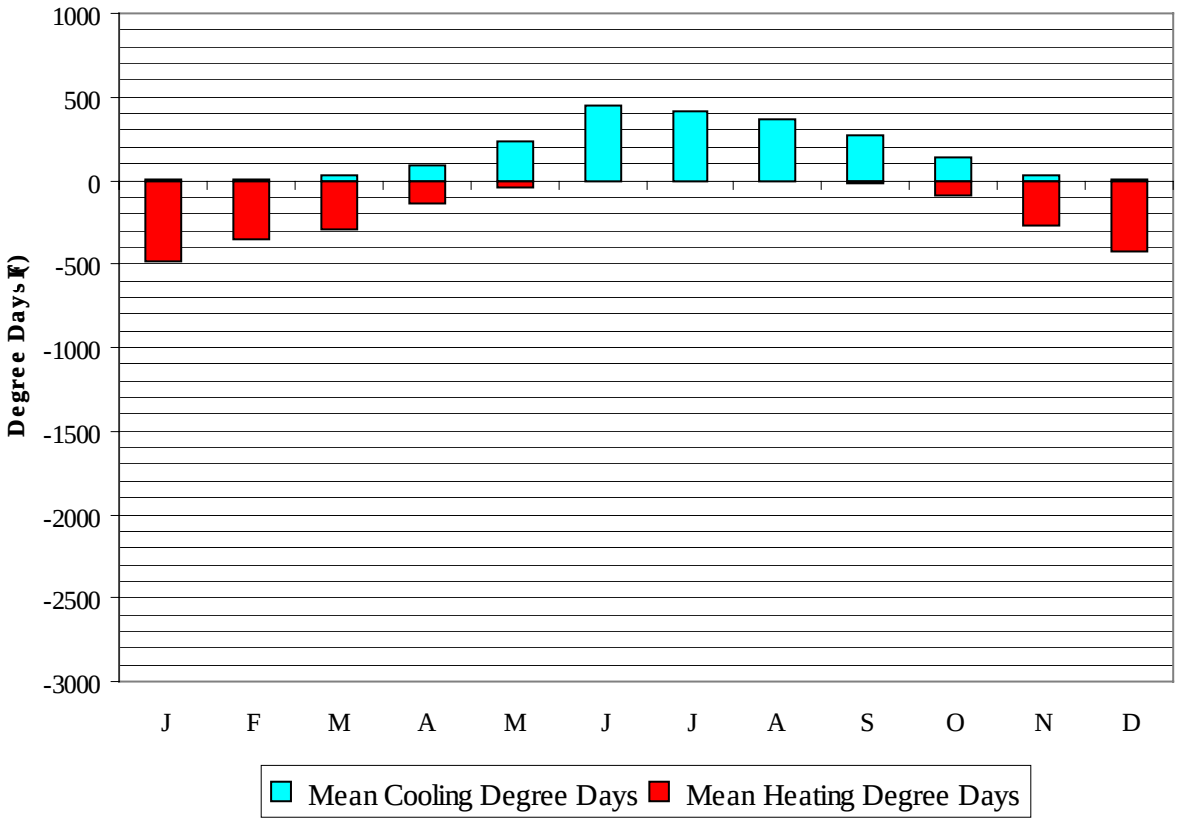
FORT HUACHUCA/LIBBY AZ WMO No. 722730

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	70.0	46.8	57.4	36.2	25.0	54.6	50.4	32.0	21.5
14-Jan	70.0	47.0	58.5	37.5	29.0	54.6	52.1	31.8	20.7
21-Jan	72.0	48.9	59.3	37.9	30.0	54.6	48.1	31.4	19.9
28-Jan	71.0	48.2	58.9	37.5	25.0	56.7	50.3	32.3	20.5
4-Feb	73.0	48.6	60.5	39.3	30.0	54.6	49.4	33.1	22.1
11-Feb	74.0	48.0	62.4	40.9	31.0	58.8	51.7	35.1	22.4
18-Feb	75.0	48.2	62.6	40.2	30.0	49.0	49.8	29.9	17.8
25-Feb	76.0	49.2	64.6	43.4	34.0	54.6	53.6	34.2	21.6
4-Mar	77.0	50.4	64.2	42.1	31.0	50.4	55.3	32.6	20.4
11-Mar	78.0	51.0	64.6	42.0	31.0	48.3	58.8	31.2	19.3
18-Mar	78.0	50.3	68.1	45.1	35.0	46.9	54.5	30.0	18.6
25-Mar	80.0	51.1	66.8	45.1	34.0	48.3	56.9	31.7	19.6
1-Apr	80.0	51.4	70.0	46.7	35.0	49.0	53.9	31.7	18.3
8-Apr	83.0	52.5	73.2	50.2	37.0	54.6	54.5	31.2	19.1
15-Apr	86.0	53.9	74.0	51.2	37.0	56.7	64.8	32.1	20.2
22-Apr	84.0	53.4	75.9	52.5	40.0	58.8	63.8	33.5	21.1
29-Apr	86.0	54.6	76.5	54.0	39.0	67.9	61.3	37.1	23.1
6-May	90.0	55.6	79.4	56.1	44.0	56.7	66.1	35.6	21.9
13-May	92.0	57.6	82.2	60.0	50.0	67.9	65.8	38.6	23.7
20-May	93.0	57.6	83.8	61.5	53.0	65.8	63.0	38.7	23.7
27-May	93.0	58.7	85.2	63.0	54.0	71.4	65.4	43.0	27.1
3-Jun	97.0	60.4	87.7	65.2	56.0	77.0	70.2	46.5	28.6
10-Jun	97.0	59.3	90.2	67.8	57.0	76.3	69.2	45.2	28.0
17-Jun	99.0	61.8	92.9	70.5	62.0	91.7	73.9	49.1	31.3
24-Jun	100.0	63.4	92.9	72.1	65.0	98.7	73.1	62.3	41.6
1-Jul	99.0	63.1	91.3	71.3	63.0	107.1	72.6	77.2	53.2
8-Jul	97.0	62.7	89.0	69.4	64.0	109.9	71.3	88.5	63.4
15-Jul	95.0	65.4	87.5	68.8	64.0	113.4	71.8	94.2	69.4
22-Jul	98.0	63.4	87.8	68.6	64.0	113.4	74.4	94.5	69.2
29-Jul	97.0	63.7	87.6	68.4	63.0	113.4	75.2	98.8	74.9
5-Aug	95.0	65.2	86.9	67.6	63.0	113.4	74.7	98.8	73.6
12-Aug	93.0	61.9	86.2	67.0	61.0	114.1	70.9	92.6	69.3
19-Aug	93.0	65.3	86.7	66.5	61.0	109.9	74.7	93.4	68.1
26-Aug	93.0	64.9	86.9	66.8	61.0	109.9	71.7	89.8	65.8
2-Sep	93.0	64.8	85.7	66.5	60.0	106.4	72.8	85.4	63.0
9-Sep	91.0	63.9	84.5	64.0	58.0	102.2	74.1	81.6	56.6
16-Sep	90.0	59.5	83.5	62.3	56.0	98.7	73.0	70.6	49.1
23-Sep	89.0	60.7	81.8	60.7	52.0	98.7	70.8	66.6	47.1
30-Sep	88.0	58.8	80.4	59.4	52.0	92.4	65.1	61.0	42.4
7-Oct	88.0	57.9	79.4	57.7	46.0	91.7	62.8	52.2	35.5
14-Oct	85.0	55.7	76.2	54.3	45.0	73.5	62.4	48.3	32.3
21-Oct	83.0	55.1	73.2	50.7	41.0	70.7	61.5	45.9	30.4
28-Oct	80.0	53.4	70.6	48.2	38.0	70.7	62.8	41.2	27.2
4-Nov	80.0	52.2	70.1	47.4	38.0	63.7	57.7	38.6	25.7
11-Nov	77.0	50.6	66.6	43.7	33.0	60.9	57.0	35.2	23.3
18-Nov	76.0	49.9	64.2	42.3	32.0	63.0	56.9	34.8	22.8
25-Nov	74.0	49.9	60.2	38.9	29.0	60.9	51.6	31.2	20.0
2-Dec	73.0	49.0	61.8	39.3	28.0	56.7	51.1	31.7	20.9
9-Dec	72.0	48.7	59.8	38.0	28.0	54.6	56.2	31.9	21.0
16-Dec	71.0	49.3	57.7	37.8	26.0	60.9	50.6	32.7	22.2
23-Dec	70.0	48.0	57.1	37.6	27.0	63.7	54.0	33.1	23.5
31-Dec	68.0	47.1	55.7	36.2	23.0	56.7	50.4	33.5	23.0

FORT HUACHUCA/LIBBY AZ WMO No. 722730

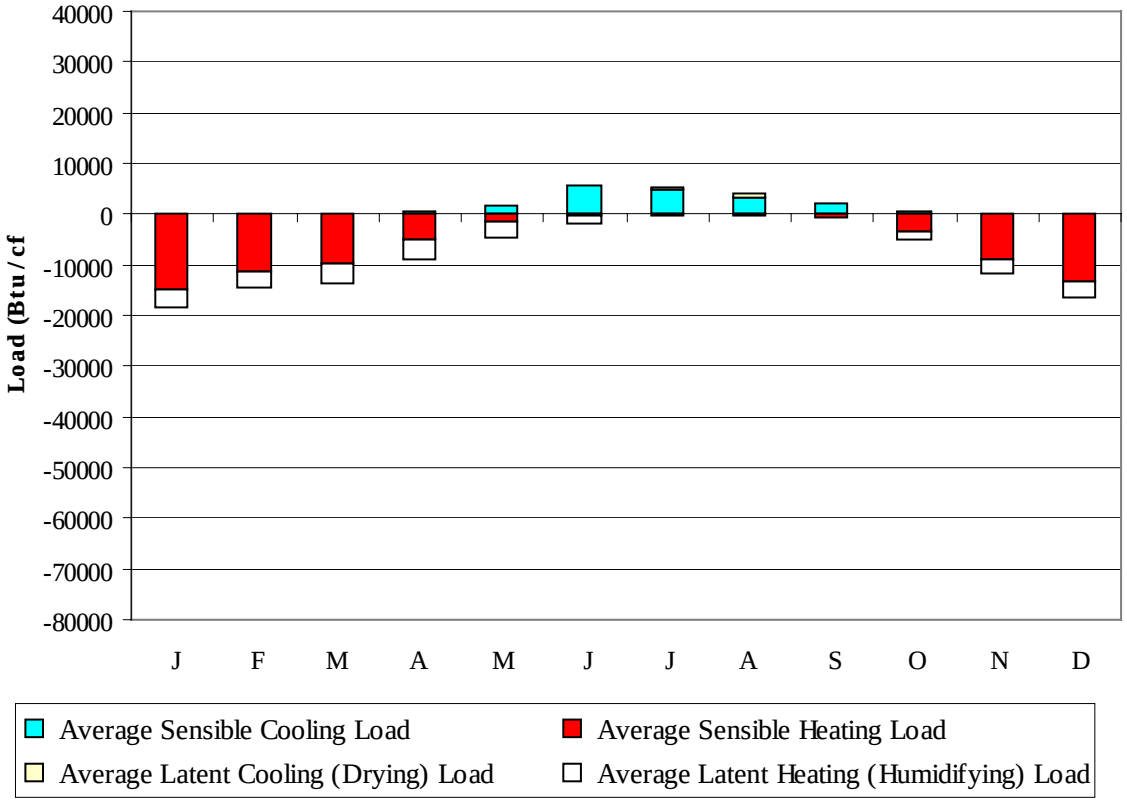
Degree Days, Heating and Cooling
(Base 65°F)



	Mean Cooling Degree Days (°F)	Mean Heating Degree Days (°F)
JAN	3	485
FEB	9	353
MAR	27	294
APR	92	138
MAY	228	37
JUN	447	4
JUL	419	1
AUG	363	2
SEP	271	13
OCT	133	92
NOV	25	268
DEC	5	425
ANN	2023	2112

FORT HUACHUCA/LIBBY AZ WMO No. 722730

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	-14929	0	-3653
FEB	5	-11278	0	-3356
MAR	44	-9694	0	-3878
APR	336	-4909	0	-3925
MAY	1690	-1569	0	-2884
JUN	5606	-207	12	-1472
JUL	4674	-99	592	-93
AUG	3395	-189	696	-6
SEP	2115	-684	115	-153
OCT	663	-3518	4	-1378
NOV	36	-8946	0	-2947
DEC	1	-13420	0	-3164
ANN	18565	-69442	1419	-26909

Average Annual Solar Radiation – Nearest Available Site

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

City: TUCSON
State: AZ
WBAN No: 23160
Lat(N): 32.12
Long(W): 110.93
Elev(ft): 2556

Stn Type: Primary
SHADING GEOMETRY IN DIMENSIONLESS UNITS
Window: 1
Overhang: 0.962
Vert Gap: 0.658

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	1090	1400	1780	2240	2500	2580	2240	2120	1900	1580	1200	990	1800
	Std Dev	78	92	113	87	74	93	77	106	83	91	73	69	35
	Minimum	880	1230	1580	2060	2300	2350	2070	1840	1760	1380	990	850	1730
	Maximum	1230	1560	2000	2390	2600	2720	2400	2270	2090	1720	1320	1130	1870
	Diffuse	300	370	470	500	520	540	700	610	480	360	300	280	450
Clear Day	Global	1270	1610	2050	2460	2680	2740	2630	2430	2110	1700	1330	1160	2020
NORTH	Global	250	300	370	460	610	710	610	490	390	320	260	230	420
	Diffuse	250	300	370	430	470	500	500	450	390	320	260	230	370
Clear Day	Global	220	270	340	430	610	730	660	480	360	290	230	210	400
EAST	Global	730	910	1110	1330	1420	1430	1230	1230	1170	1010	800	680	1090
	Diffuse	300	370	460	530	560	580	600	550	480	400	320	280	450
Clear Day	Global	880	1060	1260	1430	1490	1490	1440	1390	1270	1100	900	820	1210
SOUTH	Global	1650	1630	1400	1100	790	650	690	900	1250	1610	1690	1610	1250
	Diffuse	400	450	500	500	490	480	510	510	490	460	410	380	470
Clear Day	Global	2110	2020	1700	1180	800	650	700	980	1440	1870	2050	2090	1460
WEST	Global	720	880	1050	1280	1360	1350	1100	1080	1060	980	790	660	1030
	Diffuse	310	380	460	540	570	580	600	560	490	400	320	280	460
Clear Day	Global	880	1060	1260	1430	1490	1490	1440	1390	1270	1100	900	820	1210

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

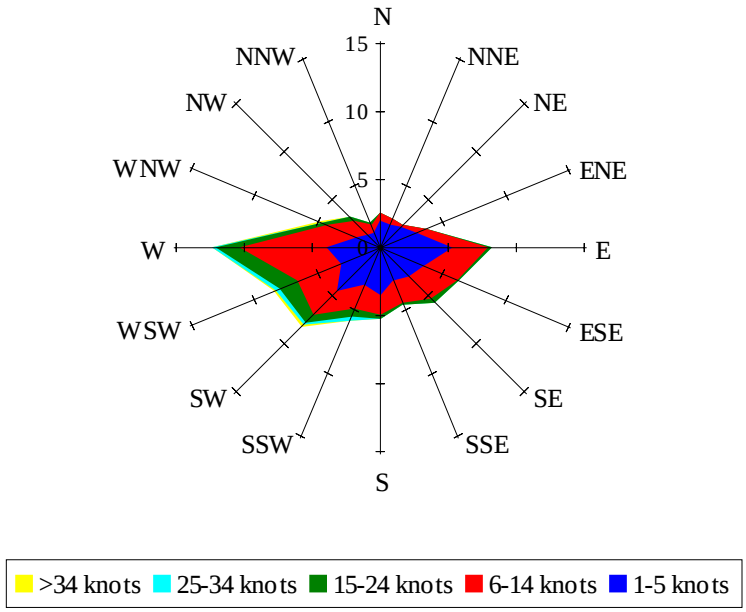
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
HORIZ	Unshaded	730	980	1280	1640	1850	1900	1650	1560	1380	1120	820	660	1300
NORTH	Unshaded	170	210	260	300	370	430	390	320	270	220	180	160	270
	Shaded	150	190	230	280	330	370	340	290	240	200	160	140	240
EAST	Unshaded	510	640	790	950	1020	1020	880	880	840	720	560	470	770
	Shaded	440	550	660	780	820	820	690	710	690	600	480	410	640
SOUTH	Unshaded	1230	1170	930	650	430	370	400	520	790	1120	1250	1210	840
	Shaded	1180	940	460	310	310	310	320	310	330	770	1150	1180	630
WEST	Unshaded	500	620	750	920	980	970	780	770	760	690	550	450	730
	Shaded	430	530	630	750	780	770	620	620	620	590	470	390	600

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	40	80	95	81	42	63	97	108	94	59
	M.Cloudy	28	60	72	60	28	53	85	94	77	43
NORTH	M.Clear	9	14	15	14	10	20	16	16	16	21
	M.Cloudy	10	16	18	16	10	19	18	17	18	18
EAST	M.Clear	84	68	17	14	10	87	62	16	16	12
	M.Cloudy	45	48	19	16	10	65	56	17	18	13
SOUTH	M.Clear	34	65	77	66	35	13	26	33	25	12
	M.Cloudy	21	47	57	47	21	14	27	32	24	13
WEST	M.Clear	9	14	15	66	84	13	16	19	66	86
	M.Cloudy	10	16	18	46	43	14	18	20	55	55
M.Clear	(% hrs)	60	58	53	51	50	81	82	78	73	70
		Sept					Dec				
		9am	11am	1pm	3pm	5pm	9am	11am	1pm	3pm	5pm
HORIZ.	M.Clear	48	85	95	78	38	19	53	64	48	12
	M.Cloudy	35	65	75	59	26	13	36	46	34	8
NORTH	M.Clear	11	15	16	15	10	6	11	12	10	5
	M.Cloudy	12	17	18	17	10	5	12	14	11	4
EAST	M.Clear	84	62	16	15	10	55	52	12	10	5
	M.Cloudy	48	47	18	17	10	24	32	14	11	4
SOUTH	M.Clear	32	59	68	55	25	44	86	97	80	32
	M.Cloudy	22	45	53	40	15	19	48	59	44	12
WEST	M.Clear	11	15	21	68	77	6	11	17	57	45
	M.Cloudy	12	17	22	48	37	5	12	16	33	15
M.Clear	(% hrs)	77	76	69	63	58	54	57	52	52	53

Wind Summary - December, January, and February

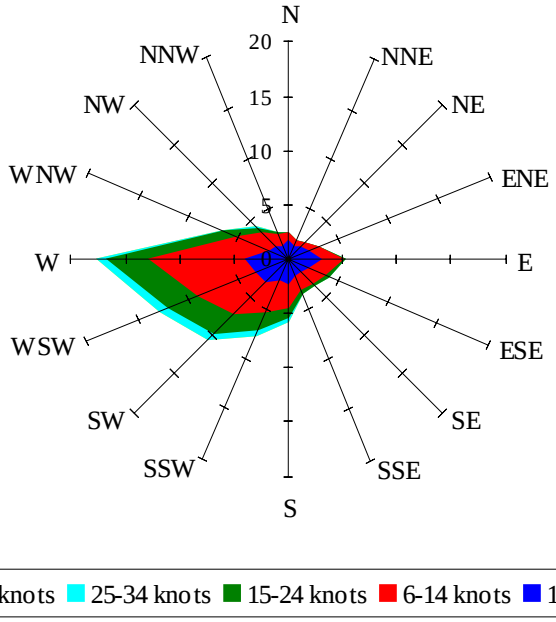
Labels of Percent Frequency on North Axis



Percent Calm = 16.58

Wind Summary - March, April, and May

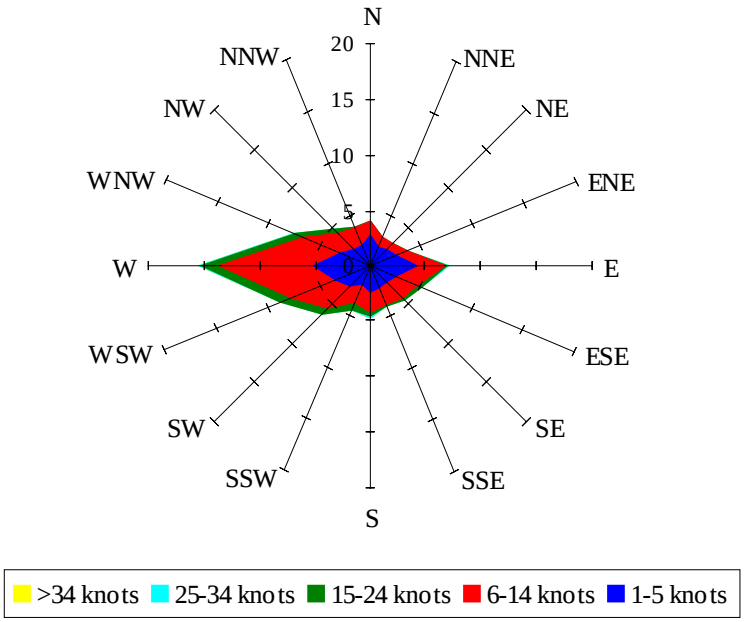
Labels of Percent Frequency on North Axis



Percent Calm = 7.81

Wind Summary - June, July, and August

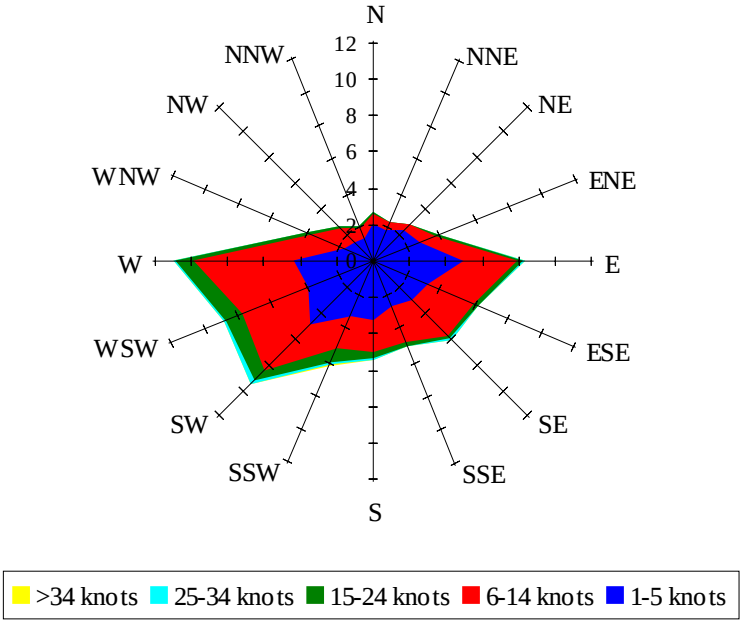
Labels of Percent Frequency on North Axis



Percent Calm = 11.57

Wind Summary - September, October, and November

Labels of Percent Frequency on North Axis



Percent Calm = 14.62