

**UNITED STATES ARMY  
ELECTRONICS COMMAND  
METEOROLOGICAL TEAM DATA**

**EDGWOOD ARSENAL, MARYLAND**

**DECEMBER 1970**

**METEOROLOGICAL SERVICES TECHNICAL AREA**

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**ATMOSPHERIC SCIENCES LABORATORY  
WHITE SANDS MISSILE RANGE, NEW MEXICO**

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METEOROLOGICAL DATA REPORT  
Atmospheric Sciences Laboratory Meteorological Team

EDGEGOOD ARSENAL, MARYLAND

DECEMBER 1970

Meteorological Data  
furnished by:

U.S. Army Electronics Command  
Atmospheric Sciences Laboratory  
Meteorological Services Technical Area  
White Sands Missile Range, N.M. 88002

INTRODUCTION

This report presents meteorological data as obtained from the processing of information recorded by the U. S. Army Meteorological Team:

Any correspondence pertaining to processing and/or distribution of the inclosed data should be directed to:

Commanding Officer and Director  
Atmospheric Sciences Laboratory  
U.S. Army Electronics Command  
ATTN: AMSL-BL-M  
White Sands Missile Range, N.M. 88002

GEOGRAPHICAL DATA

	<u>Elevation</u>	<u>Latitude</u>	<u>Longitude</u>
Edgewood	17 ft MSL	39° 23'N	76° 18'W

 RAIN GAGE

N

DELTA-T  
2M WIND D/S  
SOIL SURFACE TEMP.

WBGT



P/K MAST

RUNWAY  
270 FT.HYGROTHERMOGRAPH  
MAX-MIN-GEN THERM.

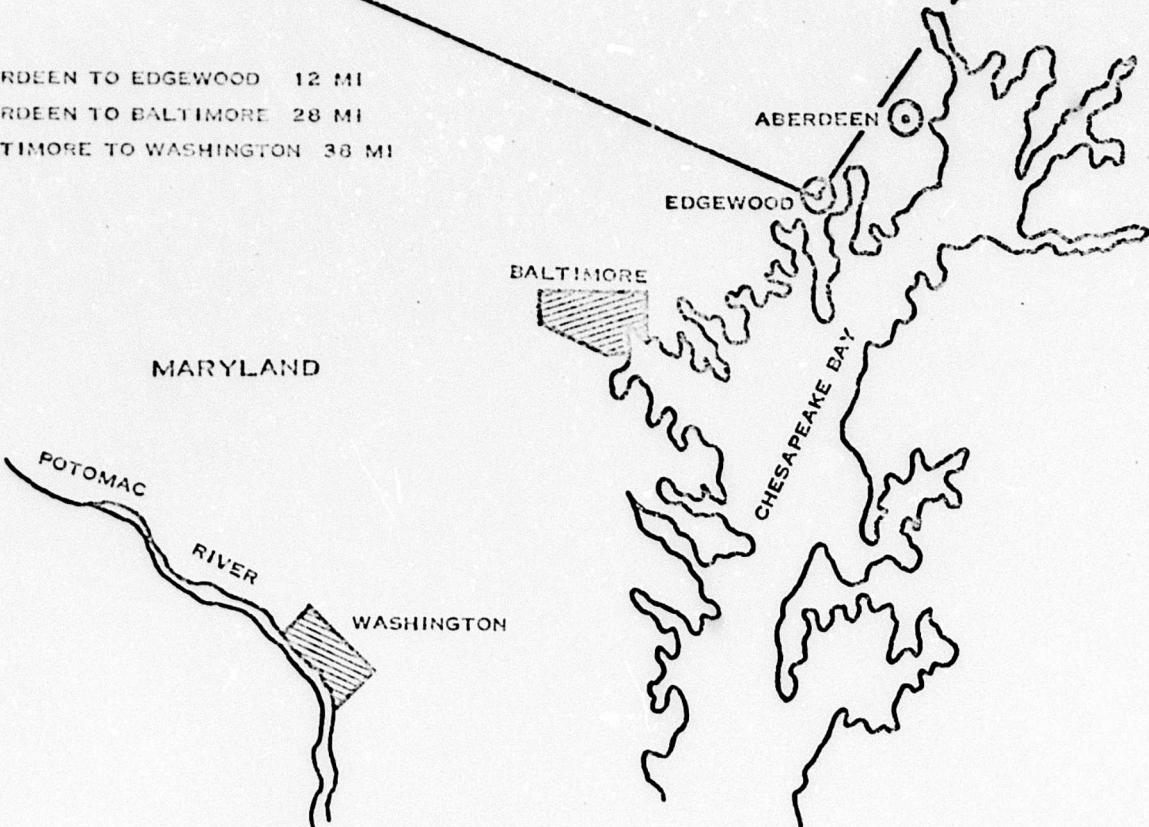
INSTR. SHELTER

T/N RADIOMETERS  

PYRHELIOMETER

## EDGEWOOD MET SITE

ABERDEEN TO EDGEWOOD 12 MI  
ABERDEEN TO BALTIMORE 28 MI  
BALTIMORE TO WASHINGTON 38 MI



DATA COLLECTION SENSORS

<u>DATA</u>	<u>SENSORS</u>
Precipitation	Weighing-type recording 8" raingage
Station Pressure	Recording microbarograph
Temperature	
Relative Humidity	Recording hygrothermograph
Dew Point	Derived from temperature and relative humidity readings
Wind Direction and Speed	AN/GMQ-11
Vertical Eppley Radiation	Eppley pyrheliometer mounted with sensor plate parallel to the horizon
Soil Temperatures	Thermocouple
Temperature Gradient ( $\Delta T$ )	Thermopiles
Wet Bulb Globe Temperatures	Thermocouples
Net Exchange Radiation	Net Exchange radiometer
Total Hemispheric Radiation	Total Hemispheric radiometer

## NATURE OF SURFACE MATERIAL AROUND SENSORS

Edgewood - Generally level terrain, grass-covered

## UNITS OF DATA MEASUREMENT

Units of measurement for data collected by US Army Meteorological Teams that are tabulated for distribution by the Meteorological Support Activity:

<u>Meteorological Element</u>	<u>Unit of Measurement</u>
Precipitation - - - - -	Inches
Pressure- - - - -	Millibars
Temperature - - - - -	Degrees Fahrenheit
Relative Humidity - - - - -	Percent
Wind Direction- - - - -	Sixteen Points of the Compass with reference to true north
Wind Speed- - - - -	Miles per hour
Wind Chill- - - - -	Kilogram calories/ $m^2$ /Hour
Radiation - - - - -	Langleys
Ozone - - - - -	Parts per hundred million
Visibility- - - - -	Horizontal visibility in Statute miles
Sky Cover - - - - -	Tenths of Opaque Overcast
Snow Depth- - - - -	Inches
General Weather - - - - -	Predominant condition

All meteorological elements, except radiation, are tabulated on the 24-hour clock, local standard time. Radiation is tabulated on the 24-hour clock, true solar time.

## EDGEGOOD DECEMBER 1970

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HOUR	STA PRECIP	PRESS	TEMP	HUMID	PT	DEW	WIND		SNOW/SOIL	TEMP	DELTA T
							DIRECT	SPEED			
1	0.	1025.2	35	99	35	NE			34.6	3.8	
2	0.	1025.7	34	99	33	C			34.7	4.5	
3	0.	1026.1	34	99	33	C			34.9	2.6	
4	0.	1026.3	35	99	34	C			35.1	4.4	
5	0.	1026.4	34	99	34	C			37.2	2.0	
6	0.	1026.4	35	99	35	C			37.2	2.2	
7	0.	1026.7	33	99	33	C			34.8	4.1	
8	0.	1027.9	36	99	36	C			36.5	0.7	
9	0.	1027.8	43	63	32	ENE	1		43.3	-1.6	
10	0.	1027.9	47	59	33	ENE	2		47.9	-2.2	
11	0.	1027.4	49	60	35	ESE	1		52.2	-2.2	
12	0.	1026.4	49	62	36	SSE	4		54.5	-2.2	
13	0.	1026.0	48	65	37	S	4		51.8	-1.3	
14	0.	1025.5	48	64	36	SW	4		50.8	-1.0	
15	0.	1025.0	48	65	36	SSW	3		48.4	-1.4	
16	0.	1024.3	48	69	38	SSW	3		46.5	-1.4	
17	0.	1024.1	45	76	38	SSW	1		42.7	2.3	
18	0.	1023.7	44	82	38	S	1		40.9	3.6	
19	0.	1023.2	44	88	41	SSE	1		42.3	2.1	
20	0.	1022.8	45	91	42	SSE	2		41.5	2.5	
21	0.	1022.8	48	93	46	SSW	3		44.3	-3.3	
22	0.	1022.7	48	96	47	SSW	7		45.3	-2.2	
23	0.	1022.5	48	99	48	SSW	6		44.4	-2.2	
24	0.	1022.0	47	99	47	SSW	7		44.1	-3.3	
TOT	0.00	1025.2	43	84	38	SSW	51		42.7	1.1	
Avg		1027.9	49	99	48		2		54.5	4.5	
Max		1022.0	33	59	32		7		34.6	-2.2	
Min							0				

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EDGETWOOD DECEMBER 1970

	HOUR	VERT RAD	NET RAD	TOT RAD
1	0	-4	-4	22
2	0	-4	-4	23
3	0	-3	-3	24
4	0	-4	-4	22
5	0	-1	-1	25
6	0	-1	-1	25
7	0	-3	-3	23
8	3	-3	-3	24
9	12	2	2	34
10	24	8	8	48
11	33	14	14	57
12	39	18	18	62
13	26	13	13	50
14	20	10	10	45
15	13	5	5	38
16	10	3	3	36
17	2	-3	-3	27
18	0	-2	-2	26
19	0	-1	-1	27
20	0	-3	-3	25
21	0	-1	-1	27
22	0	0	0	30
23	0	-1	-1	30
24	0	-2	-2	29
TOT	182	37	37	779
Avg				
Max				
Min				

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## EDGWOOD DECEMBER 1970

2

HOUR	STA PRECIP	PRESS	TEMP	HUMID	PT	DEW	- WIND -		SNOW/SOIL	TEMP	DELTAT
							DIRECT	SPEED			
1	0•	1021•3	47	98	47	SSW	5	43•9	•5		
2	0•	1020•8	48	99	47	SSW	7	45•0	•3		
3	0•	1020•6	48	99	47	SSW	7	44•3	•4		
4	0•	1020•2	46	99	46	SSW	6	44•2	•6		
5	0•	1020•4	45	99	45	SW	3	43•1	1•0		
6	0•	1020•5	45	99	44	SSW	2	42•2	2•0		
7	0•	1020•6	44	99	44	SSW	2	41•5	1•3		
8	0•	1021•1	44	99	44	C	42•0	1•2			
9	0•	1021•4	49	93	47	SW	1	47•3	-1•3		
10	0•	1021•7	51	79	45	SSW	1	51•5	-2•1		
11	0•	1021•4	55	68	45	SSW	1	56•2	-2•1		
12	0•	1021•2	57	66	46	SW	2	58•7	-2•4		
13	0•	1020•8	59	64	47	SW	4	58•7	-1•9		
14	0•	1020•6	59	64	47	WSW	4	58•7	-1•7		
15	0•	1020•8	60	62	47	WSW	3	55•3	-1•6		
16	0•	1021•0	62	60	48	WSW	1	51•0	-1•7		
17	0•	1021•3	54	77	47	C	43•7	6•1			
18	0•	1021•4	47	91	44	C	41•6	7•5			
19	0•	1022•1	45	99	44	C	39•9	4•7			
20	0•	1022•8	42	99	42	C	38•3	6•2			
21	0•	1023•3	39	99	39	C	36•6	4•3			
22	0•	1023•6	37	99	37	C	36•7	4•2			
23	0•	1024•2	37	99	37	C	36•4	5•9			
24	0•	1024•2	36	99	36	C	36•2	3•6			
TOT	0.00						49				
Avg		1021•6	48	88	44	SSW	2	45•6	1•5		
Max		1024•2	62	99	48		7	59•7	7•5		
Min		1020•2	36	60	36		0	36•2	-2•4		

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## EIGENWERT-DATENBLATT 1970

MOTIV	VERH.	TOT								TOT			TOT	
		TOT			AVG		TOT			AVG				
		MIN	MAX	Avg	MIN	MAX	MIN	MAX	Avg	MIN	MAX	Avg		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
10	11	12	13	14	15	16	17	18	19	20	21	22	23	
24	25	26	27	28	29	30	31	32	33	34	35	36	37	
38	39	40	41	42	43	44	45	46	47	48	49	50	51	
52	53	54	55	56	57	58	59	60	61	62	63	64	65	
68	69	70	71	72	73	74	75	76	77	78	79	80	81	
84	85	86	87	88	89	90	91	92	93	94	95	96	97	
98	99	100	101	102	103	104	105	106	107	108	109	110	111	
112	113	114	115	116	117	118	119	120	121	122	123	124	125	
126	127	128	129	130	131	132	133	134	135	136	137	138	139	
142	143	144	145	146	147	148	149	150	151	152	153	154	155	
156	157	158	159	160	161	162	163	164	165	166	167	168	169	
171	172	173	174	175	176	177	178	179	180	181	182	183	184	
186	187	188	189	190	191	192	193	194	195	196	197	198	199	
200	201	202	203	204	205	206	207	208	209	210	211	212	213	
214	215	216	217	218	219	220	221	222	223	224	225	226	227	
228	229	230	231	232	233	234	235	236	237	238	239	240	241	
244	245	246	247	248	249	250	251	252	253	254	255	256	257	
258	259	260	261	262	263	264	265	266	267	268	269	270	271	
274	275	276	277	278	279	280	281	282	283	284	285	286	287	
288	289	290	291	292	293	294	295	296	297	298	299	300	301	

HOURS	PRECIP	PRESS	STA	TEMP	HUMID PT	DFW = SNOW - ININ - DIRECT SPEED	SNOW/SOIL	TEMP	DELTA T	36	98	98	35	32	NNE	C	C	35.8	3.8
										0	0	0	0	0	0	0	0	0	0
1	0.0	1024.0	1024.0	36	98	98	35	35	4.2	36	98	98	35	32	NNE	C	35.6	4.2	
2	0.0	1024.3	1024.3	36	97	97	35	35	4.2	36	97	97	36.2	36.2	S	C	36.7	7.1	
3	0.0	1024.2	1024.2	37	97	97	35	35	4.3	36	97	97	36.2	36.2	S	C	36.7	3.8	
4	0.0	1024.1	1024.1	35	98	98	35	34	4.4	36	98	98	36.2	36.2	S	C	36.7	4.4	
5	0.0	1024.5	1024.5	35	98	98	34	34	4.4	36	98	98	36.4	36.4	S	C	36.7	2.5	
6	0.0	1024.7	1024.7	34	99	99	34	35	4.5	36	99	99	36.7	36.7	S	C	36.7	2.9	
7	0.0	1024.9	1024.9	35	98	98	35	35	4.5	36	98	98	36.7	36.7	S	C	36.7	3.8	
8	0.0	1025.0	1025.0	44	95	95	43	43	4.7	43	95	95	43.8	43.8	S	C	43.8	-7.7	
9	0.0	1025.2	1025.2	52	56	56	37	37	4.9	49	52	52	49.2	49.2	S	C	49.2	-1.2	
10	0.0	1024.4	1024.4	55	46	46	35	35	5.0	54.2	55	55	54.2	54.2	S	C	54.2	-1.6	
11	0.0	1023.6	1023.6	58	59	59	40	40	5.0	56.1	56	56	56.1	56.1	S	C	56.1	-1.5	
12	0.0	1021.6	1021.6	53	62	62	35	35	5.0	54.6	54	54	54.6	54.6	S	C	54.6	-0.8	
13	0.0	1020.1	1020.1	57	59	59	38	38	5.0	53.8	53	53	53.8	53.8	S	C	53.8	-0.6	
14	0.0	1019.6	1019.6	68	48	48	45	45	5.0	50.7	50	50	50.7	50.7	S	C	50.7	-0.9	
15	0.0	1019.0	1019.0	54	99	99	52	52	5.0	49.4	49	49	49.4	49.4	S	C	49.4	1.4	
16	0.0	1017.3	1017.3	52	92	92	47	47	5.0	48.8	48	48	48.8	48.8	S	C	48.8	0.6	
17	0.0	1016.1	1016.1	53	79	79	46	46	5.0	48.2	48	48	48.2	48.2	S	C	48.2	1.6	
18	0.0	1015.4	1015.4	64	76	76	45	45	5.0	47.5	47	47	47.5	47.5	S	C	47.5	1.8	
19	0.0	1014.4	1014.4	57	85	85	47	47	5.0	47.1	47	47	47.1	47.1	S	C	47.1	0.7	
20	0.0	1013.0	1013.0	52	49	49	49	49	5.0	47.7	47	47	47.7	47.7	S	C	47.7	0.8	
21	0.0	1011.2	1011.2	53	46	46	49	49	5.0	49.0	49	49	49.0	49.0	S	C	49.0	-0.5	
22	0.0	1009.6	1009.6	55	95	95	52	52	5.0	47.2	47	47	47.2	47.2	S	C	47.2	-0.4	
23	0.0	1007.5	1007.5	52	87	87	51	51	5.0	47.1	47	47	47.1	47.1	S	C	47.1	-0.4	
24	0.0	1006.0	1006.0	50	84	84	51	51	5.0	47.1	47	47	47.1	47.1	S	C	47.1	-0.4	
25	0.02	1020.0	1020.0	47	93	93	41	41	5.0	45.1	45	45	45.1	45.1	S	C	45.1	1.5	
26	0.02	1025.2	1025.2	54	99	99	44	44	5.0	55.1	55	55	55.1	55.1	S	C	55.1	7.1	
27	0.02	1027.5	1027.5	54	92	92	32	32	5.0	35.6	35	35	35.6	35.6	S	C	35.6	-1.6	

## EDGEGWOOD DECEMBER 1970

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HOURLY	VERT RAD	NET RAD	TOT RAD
1	0	-3	24
2	0	-3	24
3	0	-3	24
4	0	-3	24
5	0	-2	25
6	0	-3	25
7	0	-2	25
8	1	-2	26
9	10	3	35
10	21	7	45
11	32	13	57
12	32	14	61
13	23	12	51
14	13	7	42
15	6	3	37
16	2	-23	11
17	1	-14	16
18	0	-6	26
19	0	0	29
20	0	0	30
21	0	-2	29
22	0	-1	30
23	0	-2	30
24	0	-3	29
TOTAL	141	-13	755
AVERAGE			
MAXIMUM			
MINIMUM			

## EDGEWOOD DECEMBER 1970

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	STA	PRECIP	PRESS	TEMP	HUMID PT	DIRECT SPEED	WIND DIRECTION	SNOW/SOIL	TEMP	DELTAT
1	0.	1004.6	55	81	50	SSW	7	48.6	.5	
2	0.	1002.7	55	85	50	SSW	10	48.1	.7	
3	0.	1000.4	54	89	51	SSW	6	47.4	1.0	
4	0.	999.4	57	82	51	SSW	5	49.3	.4	
5	0.	1001.0	59	84	54	N	7	51.2	.8	
6	0.	1000.1	57	69	47	N	9	49.1	1.0	
7	0.	999.8	55	74	47	WSW	6	46.6	1.7	
8	0.	999.9	56	71	46	N	6	47.6	.5	
9	0.	1000.4	59	30	27	N	11	47.9	.6	
10	0.	1001.4	60	27	26	NNW	15	50.8	-2	
11	0.	1001.6	59	39	27	NNW	21	53.7	-1.0	
12	0.	1002.0	57	36	30	N	14	53.8	-.5	
13	0.	1004.0	52	41	30	NNW	16	49.7	-.3	
14	0.	1005.1	52	41	29	NNW	13	47.5	-.1	
15	0.	1006.3	49	43	28	NNW	17	45.3	.1	
16	0.	1007.9	48	45	28	NW	15	43.5	.3	
17	0.	1009.6	46	50	29	NN	12	42.8	.1	
18	0.	1011.0	46	52	29	NN	10	42.6	0.0	
19	0.	1013.5	44	56	30	NN	10	40.6	.5	
20	0.	1015.1	43	60	30	NN	11	38.7	.7	
21	0.	1016.5	40	59	27	N	14	36.9	.8	
22	0.	1018.7	39	61	25	NNW	14	35.6	1.3	
23	0.	1019.4	36	65	26	NN	15	34.5	1.3	
24	0.	1019.9	35	63	24	NNW	16	33.5	1.0	
TOT	0.00	1006.7	50	58	35	NW	11	45.2	.5	
Avg		1019.9	60	89	54		21	53.8	1.7	
Max		999.4	35	27	24		5	33.5	-1.0	
Min									-1-	
							258			

EDGEGOOD DECEMBER 1970

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HOUR	VERT RAD	NET RAD	TOT RAD
1	0	-2	29
2	0	-4	24
3	0	-5	27
4	0	-1	39
5	0	-5	27
6	0	-6	27
7	0	-7	27
8	2	-6	25
9	12	-1	35
10	25	7	46
11	35	13	52
12	39	16	60
13	22	13	43
14	8	3	36
15	15	6	41
16	5	1	31
17	1	-3	26
18	0	-2	26
19	0	-2	26
20	0	-6	23
21	0	-8	20
22	0	-8	20
23	0	-8	19
24	0	-9	18
TOT	164	-24	747
Avg			
Max			
Min			

-

## EDgewood DECEMBER 1976

5

	STA	PRECIP	PRESS	TEMP	HUMID	UFW	- WIND -	SNOW/SOIL	TEMP	DELTAT
HOUR						DIREC	SPEED			
1	0.	1020.4	33	66	23	NW	7	32.9	1.1	
2	0.	1020.8	31	73	23	NNW	3	32.2	2.8	
3	0.	1022.1	31	72	23	NNW	3	31.6	1.8	
4	0.	1022.9	30	74	23	NW	1	30.5	3.1	
5	0.	1022.7	25	91	23	C	28.0	4.7		
6	0.	1022.9	23	95	22	C	27.8	3.6		
7	0.	1023.7	26	97	26	C	28.2	4.2		
8	0.	1023.8	30	96	29	C	32.9	•3		
9	0.	1023.5	35	70	26	C	36.6	•7		
10	0.	1023.2	37	63	26	NNW	1	42.5	-2.0	
11	0.	1022.4	38	60	26	WSW	2	46.6	-2.1	
12	0.	1020.5	40	58	26	WSW	3	48.4	-2.3	
13	0.	1019.0	40	61	27	SSW	3	48.4	-2.1	
14	0.	1019.0	40	62	29	S	4	48.5	-2.1	
15	0.	1017.2	40	62	28	S	6	44.3	-7.9	
16	0.	1016.3	39	70	31	S	7	41.3	•4	
17	0.	1014.7	39	73	31	S	4	39.3	1.0	
18	0.	1013.0	43	77	36	SSW	5	36.8	•2	
19	0.	1012.3	43	90	40	SSW	10	40.7	0.0	
20	0.	1010.9	43	67	33	SSW	11	40.9	•1	
21	0.	1009.9	43	65	32	SSW	7	40.7	•2	
22	0.	1008.3	43	68	33	SSW	5	41.0	•2	
23	0.	1007.0	42	64	31	SSW	3	40.6	•2	
24	0.	1006.2	40	70	31	SSW	2	37.6	2.1	
TOT		0.00						84		
AVE		1017.6	36	73	28					•6
MAX		1023.8	43	97	40					4.7
MIN		1006.2	23	58	22					-2.3

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## EDGEGWOOD DECEMBER 1970

5

HOUR	VERT RAD	NET RAD	TOT RAD
1	0	-7	19
2	0	-8	18
3	0	-7	19
4	0	-6	19
5	0	-6	19
6	0	-6	20
7	0	-5	19
8	5	-3	23
9	10	1	31
10	20	7	41
11	27	11	48
12	26	11	48
13	35	16	57
14	20	7	43
15	18	5	41
16	11	1	33
17	1	-2	25
18	0	-3	26
19	0	-2	27
20	0	-1	28
21	0	-1	28
22	0	-1	27
23	0	-1	27
24	0	-2	25
TOT	173	-2	711
AVE			
MAX			
MIN			

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## EDGEGOOD DECEMBER 1970

6

	STA	PRECIP PRESS	TEMP	HUMID PT	DEW	- WIND DIRECTION	- WIND SPEED	SNOW/SOIL	TEMP	DELTA T
HOUR										
1	0•	1005•6	44	58	30	WSW	2	36•2	1•8	
2	0•	1006•2	43	48	25	WNW	11	38•6	•8	
3	0•	1006•5	41	48	23	WNW	13	36•3	•8	
4	0•	1007•0	40	47	21	WNW	17	36•0	•4	
5	0•	1008•2	36	47	18	NW	16	33•2	•4	
6	0•	1010•1	30	49	13	NW	13	30•9	•2	
7	0•	1011•1	28	44	9	NW	19	28•2	•3	
8	0•	1012•2	29	46	10	NW	15	28•8	•4	
9	0•	1012•6	30	46	12	NW	15	31•1	•9	
10	0•	1013•0	31	46	13	NW	17	34•3	-1•1	
11	0•	1013•1	32	43	12	NW	19	37•2	-1•5	
12	0•	1012•2	33	42	13	NW	18	39•3	-1•6	
13	0•	1012•2	34	41	13	NW	19	38•3	-1•6	
14	0•	1012•3	34	40	13	NW	16	34•0	-1•2	
15	0•	1012•8	33	42	12	NW	18	35•1	-1•9	
16	0•	1013•5	32	45	13	NW	17	31•4	-1•5	
17	0•	1014•2	31	47	13	NW	14	29•5	-1•4	
18	0•	1015•0	31	48	13	NW	11	29•2	-1•4	
19	0•	1015•6	31	51	15	NW	13	28•8	-0•3	
20	0•	1015•8	31	53	16	NW	12	29•1	-0•3	
21	0•	1016•7	32	53	17	NW	14	30•9	-0•3	
22	0•	1017•7	33	52	17	NW	10	31•7	-0•1	
23	0•	1018•3	32	51	16	NW	19	31•6	0•0	
24	0•	1018•9	32	52	16	NW	12	31•6	0•0	
TOT		0.00					334			
Avg		1012•5			47	16	NW	14	33•1	-0•1
Max		1018•9			58	30		19	39•3	1•8
Min		1005•6			40	9		12	28•2	-1•6

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## EDGEGOOD DECEMBER 1970

6

HOURLY	VERT RAD	NET RAD	TOT RAD	RAD
1	0	-5	22	
2	0	-6	23	
3	0	-8	21	
4	0	-6	22	
5	0	-8	18	
6	0	-6	20	
7	0	-8	17	
8	2	-8	18	
9	13	-2	29	
10	26	5	40	
11	35	13	46	
12	40	16	54	
13	41	15	54	
14	35	12	50	
15	25	5	41	
16	13	-2	30	
17	2	-7	19	
18	0	-8	18	
19	0	-7	14	
20	0	-7	18	
21	0	-6	19	
22	0	-4	23	
23	0	-3	24	
24	0	-3	24	
TOT	232	-38	670	
AVE				
MAX				
MIN				

## EDGEWOOD DECEMBER 1970

7

HOUR	STA PRECIP	TEMP	HUMID PT	DEW PT	WIND		SNOW/SOIL	TEMP	DELTA T
					DIRECT	SPEED			
1 0•	1019•1	31	54	16	NNW	10	32•0	•2	
2 0•	1020•2	30	51	14	NNW	8	30•7	•1	
3 0•	1021•0	29	53	14	NNW	7	29•9	•3	
4 0•	1021•4	28	55	14	NNW	6	27•5	•3	
5 0•	1022•0	28	56	14	NNW	4	26•6	•5	
6 0•	1022•4	27	59	15	NNW	3	26•0	•8	
7 0•	1023•6	27	58	14	NNW	6	26•1	•7	
8 0•	1025•9	28	58	15	NNW	4	28•5	•7	
9 0•	1025•3	30	50	13	NNW	5	32•4	-1•5	
10 0•	1025•9	31	48	14	NNW	9	35•7	-1•7	
11 0•	1025•7	33	44	14	NNW	11	40•8	-2•1	
12 0•	1025•3	35	42	14	NNW	11	43•4	-2•2	
13 0•	1025•4	36	41	15	NNW	12	44•7	-2•3	
14 0•	1025•4	37	40	15	NNW	9	44•0	-1•9	
15 0•	1025•9	38	39	15	NNW	7	38•8	-1•2	
16 0•	1026•5	38	40	16	NNW	4	34•4	-1•0	
17 0•	1027•1	35	42	14	NNW	5	29•9	2•2	
18 0•	1027•9	30	44	10	NNW	2	27•1	3•2	
19 0•	1028•2	28	47	10	NNW	1	24•0	6•0	
20 0•	1028•9	26	49	10	NNW	1	25•2	3•7	
21 0•	1029•7	21	53	7	NNW	1	25•4	3•4	
22 0•	1030•0	18	63	8	CC	0	24•4	5•6	
23 0•	1030•4	17	80	12	CC	0	23•5	2•3	
24 0•	1030•6	16	90	14	CC	0	23•5	3•2	
TOT	0•00					130			
AVE	1025•5	29	52	13	NNW	5	31•0	•7	
MAX	1030•6	38	90	16	NNW	12	44•7	6•0	
MIN	1019•1	16	39	7	NNW	0	23•5	-2•3	

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## EDGEGOOD DECEMBER 1970

7

HOUR	VERT RAD	NET RAD	TOT RAD
1	0	-2	24
2	0	-3	24
3	0	-6	20
4	0	-6	19
5	0	-7	17
6	0	-7	17
7	0	-7	19
8	2	-7	21
9	13	-1	31
10	26	7	42
11	36	13	52
12	41	16	58
13	41	16	58
14	36	13	54
15	27	6	45
16	13	-2	31
17	2	-7	19
18	0	-7	18
19	0	-6	18
20	0	-6	17
21	0	-6	17
22	0	-6	18
23	0	-5	17
24	0	-5	18
TOT	237	-25	674
AVE			
MAX			
MIN			

HOUR	STA	PRECIP	PRESS	TEMP	HUMID PT	DEW - WIND		SNOW/SOIL	TEMP	DELTA T
						DIRECT	SPEED			
1	0.	1030•6		16	92	14		C	23•8	2•4
2	0.	1030•8		16	92	14		C	23•8	3•5
3	0.	1030•7		15	92	14		C	24•0	2•8
4	0.	1030•3		15	92	14		C	24•4	1•8
5	0.	1030•8		16	92	14		C	25•0	1•8
6	0.	1031•1		16	92	14		C	25•9	•8
7	0.	1031•1		18	93	17		C	26•6	1•4
8	0.	1031•2		21	94	19		C	27•5	•6
9	0.	1031•1		23	88	19		C	39•5	-•5
10	0.	1031•3		26	79	21		C	32•9	-1•3
11	0.	1030•1		31	58	18		C	40•2	-2•2
12	0.	1028•9		33	53	18		SSW	39•7	-1•5
13	0.	1028•2		34	47	16		SSW	39•7	-1•2
14	0.	1026•9		34	47	16		SSW	41•0	-1•5
15	0.	1026•7		36	45	17		SSW	38•6	-1•2
16	0.	1026•4		37	47	18		SSW	34•9	-•5
17	0.	1026•3		37	49	19		SSW	32•0	•7
18	0.	1026•3		35	51	19		SSW	31•3	1•0
19	0.	1026•4		35	54	20		SSW	31•1	1•2
20	0.	1026•6		35	55	20		SSW	31•1	1•1
21	0.	1026•2		35	54	21		SSW	32•8	•5
22	0.	1025•8		36	56	22		SSW	31•9	•7
23	0.	1025•6		36	60	23		SSW	32•6	•9
24	0.	1024•9		35	62	23		SSW	32•6	•4
TOT	0.00							79		
Avg		1028.5		28	68	18		SSW	31.4	.5
Max		1031.3		37	94	23		SSW	41.0	3.5
Min		1024.9		15	45	14		SSW	23.8	-2.2

## EDGEWOOD DECEMBER 1970

	8	VERT RAD	NET RAD	TOT RAD
HOURLY				
1	0	-5	18	
2	0	-5	18	
3	0	-4	14	
4	0	-5	17	
5	0	-5	19	
6	0	-4	21	
7	0	-3	21	
8	1	-3	21	
9	8	1	39	
10	13	6	37	
11	29	12	50	
12	38	16	54	
13	21	13	45	
14	16	9	40	
15	20	7	42	
16	9	1	32	
17	2	-4	24	
18	0	-6	21	
19	0	-5	21	
20	0	-6	21	
21	0	-5	22	
22	0	-5	21	
23	0	-4	24	
24	0	-5	23	
TOT	157	-9	660	
AVE				
MAX				
MIN				

9

	STA HOURLY PRECIP	PRESS	TEMP	HUMID PT	DEW	- WIND DIRECT	WIND SPEED	SNOW/SOIL	TEMP	DELTA T
1	0.	1024.0	36	56	22	SSW	7	33.2	*3	
2	0.	1023.8	37	57	23	SSW	6	33.0	*6	
3	0.	1022.9	36	56	22	SSW	6	32.3	*8	
4	0.	1022.1	36	56	21	SSW	7	32.5	*6	
5	0.	1022.0	36	58	23	SSW	6	32.7	*7	
6	0.	1021.8	36	56	22	SSW	6	32.3	*7	
7	0.	1021.6	37	58	24	SSW	5	33.5	*3	
8	0.	1021.6	36	56	22	SSW	5	34.4	0.0	
9	0.	1021.3	38	56	24	SSW	4	37.3	-4	
10	0.	1021.2	39	52	23	SSW	4	40.6	-2.0	
11	0.	1020.2	40	47	21	SSW	3	47.7	-2.2	
12	0.	1019.2	42	44	22	SSW	6	44.8	-1.7	
13	0.	1018.0	43	42	22	SSW	5	50.6	-1.3	
14	0.	1017.1	45	51	28	SSW	4	42.3	-0.2	
15	0.	1016.2	46	55	31	SSW	5	44.0	-0.2	
16	0.	1016.5	46	58	32	SSW	2	42.8	0.0	
17	0.	1016.6	47	63	35	SSW	1	41.1	1.7	
18	0.	1016.7	46	72	38	C	0	41.2	0.9	
19	0.	1016.5	45	76	38	C	0	41.1	1.2	
20	0.	1016.7	43	76	36	C	0	40.8	0.9	
21	0.	1017.0	43	73	35	C	0	41.0	1.3	
22	0.	1017.2	44	67	34	C	0	36.8	3.2	
23	0.	1017.0	44	79	38	C	0	33.8	6.0	
24	0.	1017.1	38	92	36	C	0	32.8	4.2	
TOT		0.00					85			
AVG		1019.3	41	61	28	SSW	4	38.6	*6	
MAX		1024.0	47	92	38		7	50.6	6.0	
MIN		1016.2	36	42	21		0	32.3	-2.2	

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## EDGEGOOD DECEMBER 1970

9

HOUR	VERT RAD	NET RAD	TOT RAD	RAD
1	0	-3	23	
2	0	-3	24	
3	0	-5	21	
4	0	-5	22	
5	0	-5	22	
6	0	-5	23	
7	0	-4	24	
8	1	-2	26	
9	6	2	31	
10	16	5	38	
11	27	12	50	
12	28	13	50	
13	31	14	54	
14	10	3	33	
15	13	3	34	
16	2	2	33	
17	1	0	30	
18	0	0	30	
19	0	0	29	
20	0	-1	29	
21	0	0	29	
22	0	-1	29	
23	0	-3	24	
24	0	-2	24	
TOT	135	15	732	
AVE				
MAX				
MIN				

## EDGEGOOD DECEMBER 1970

10

	STA PRECIP	PRESS	TEMP	HUMID	PT	DEW	- WIND -	WIND/SOIL	TEMP	DELTA T
HOUR					DIRECT	SPEED				
1	0•	1017•0	34	100	34	C			36.9	3.9
2	0•	1017•2	36	90	34	C			39.3	1.1
3	0•	1017•4	39	84	34	C			39.2	2.1
4	0•	1017•5	40	87	36	C			34.7	7.2
5	0•	1017•9	39	95	38	C			32.9	5.6
6	0•	1018•9	33	100	33	C			32.3	6.4
7	0•	1019•5	35	100	35	C			31.5	4.1
8	0•	1020•6	35	100	35	C			33.5	4.5
9	0•	1021•3	40	53	25	NNN			41.8	1.3
10	0•	1021•8	45	47	26	NNN			46.1	-1.2
11	0•	1022•5	49	44	28	NNW			51.7	-1.7
12	0•	1022•2	52	42	29	NNW			53.9	-1.9
13	0•	1022•2	53	39	29	NNW			53.8	-1.4
14	0•	1022•0	54	41	31	NNW			47.9	1.1
15	0•	1022•3	55	40	31	NNW			47.6	-1.2
16	0•	1022•8	53	47	33	N			42.4	1.1
17	0•	1022•9	52	51	35	NNE			39.7	2.1
18	0•	1022•9	50	54	34	NNE			38.8	2.7
19	0•	1023•8	46	62	34	NN			37.3	5.2
20	0•	1024•1	43	74	35	C			34.4	4.4
21	0•	1024•1	38	83	33	C			33.0	5.7
22	0•	1023•9	34	92	32	C			32.8	3.0
23	0•	1024•1	32	97	31	C			31.1	3.1
24	0•	1024•2	29	98	28	C			30.4	3.6
TOT	0.00								62	
Avg	1021•4	42	72	32		NNW			39.3	2.5
Max	1024•2	55	100	38		9			53.9	7.2
Min	1017•0	29	39	25		0			30.4	-1.9

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EUGEWOOD DECEMBER 1970

10

HOUR	VERT RAD	NET RAD	TOT RAD
1	0	-2	27
2	0	0	39
3	0	-1	28
4	0	-1	28
5	0	-3	25
6	0	-3	24
7	0	-4	24
8	1	-3	25
9	10	0	35
10	19	6	43
11	31	12	56
12	35	15	59
13	36	15	59
14	17	5	40
15	15	4	38
16	7	-1	32
17	1	-3	27
18	0	-3	26
19	0	-2	26
20	0	-2	25
21	0	-2	24
22	0	-2	25
23	0	-2	23
24	0	-3	23
TOT	172	20	773
AVE			
MAX			
MIN			

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11

HOUR	STA	PRECIP	PRESS	TEMP	HUMID PT	DEFW	WIND DIRECTION	WIND SPEED	SNOW/SOIL	TEMP	DELTA T		
												C	C
1	0.	0.	1024.0	29	98	28				30.3	5.2		
2	0.	0.	1024.0	28	98	28				32.0	2.6		
3	0.	0.	1023.7	29	98	28				32.0	2.4		
4	0.	0.	1023.2	27	97	26				29.0	3.9		
5	0.	0.	1023.2	29	98	28				30.9	2.0		
6	0.	0.	1023.2	31	99	30	NE			32.8	2.2		
7	0.	0.	1023.0	32	96	31	ENE			34.3	0.9		
8	0.	0.	1022.7	34	93	33	ENE			37.3	-1.2		
9	0.	0.	1022.5	35	81	30	ENE	2		38.5	-1.3		
10	0.	0.	1022.3	36	77	30	E	2		38.8	-1.4		
11	0.	0.	1021.6	38	74	30	E	4		43.1	-1.5		
12	0.	0.	1020.3	38	71	30	E	4		45.4	-1.9		
13	T		1019.4	40	67	30	E	4		44.6	-1.4		
14	0.	0.	1018.3	41	67	31	E	4		43.2	-1.8		
15	0.	0.	1017.7	42	72	33	ENE	3		42.5	-1.7		
16	0.	0.	1017.7	41	77	35	ENE	2		41.0	-1.2		
17	0.	0.	1016.9	41	100	41	ENE	2		40.1	0.0		
18	0.	0.	1016.6	40	100	40	NE	1		40.2	-1.1		
19	0.	0.	1016.4	39	100	39	NE	3		39.5	-1.1		
20	0.	0.	1016.0	39	100	39	NE	3		39.5	-1.2		
21	0.	0.	1015.5	38	100	38	NE	3		39.4	-1.1		
22	0.	0.	1015.0	39	100	39	NE	2		39.7	0.0		
23	0.	0.	1014.4	39	100	39	NE	2		39.6	0.0		
24	0.	0.	1014.0	40	100	40	NE	2		39.7	0.1		
	TOT									4.6			
	Avg									2			
	Max									4			
	Min									0			

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5.2  
2.6  
2.4  
3.9  
2.0  
2.2  
2.2  
0.9  
-1.938.1  
45.4  
29.0

## EDGWOOD DECEMBER 1970

11

HOUR	VERT RAD	NET RAD	TOT RAD
1	0	-2	23
2	0	-2	24
3	0	-2	25
4	0	-3	24
5	0	-2	23
6	0	-1	25
7	0	-1	26
8	1	0	29
9	2	0	30
10	3	2	31
11	8	4	35
12	17	9	44
13	16	8	43
14	10	5	38
15	5	2	33
16	3	1	31
17	1	-4	25
18	0	-9	20
19	0	-2	28
20	0	-1	29
21	0	-2	28
22	0	0	29
23	0	-1	27
24	0	0	27
TOT	66	-1	697
AVE			
MAX			
MIN			

## EDGWOOD DECEMBER 1970

12

	STA	PRECIP	PRESS	TEMP	HUMID PT	DEN	WIND DIREC	WIND SPEED	SNOW/SOIL	TEMP	DELTAT
1	0.		1013.7	41	99	41	NNE	3	40.4	-1	
2	0.		1013.3	42	99	42	ENE	4	41.0	-1	
3	0.		1013.4	42	99	42	NE	0	40.5	-2	
4	0.		1013.3	40	100	40	ENE	5	39.7	-3	
5	0.		1013.3	38	100	38	ENE	6	39.0	-3	
6	0.		1013.5	38	100	38	NE	6	39.2	-2	
7	•03		1013.3	39	100	39	ENE	8	38.9	-2	
8	•12		1013.3	39	100	39	ENE	6	39.1	-2	
9	•09		1013.8	39	100	39	NE	4	39.5	-3	
10	•10		1013.3	40	100	40	ENE	8	39.9	-4	
11	•07		1012.7	39	100	39	ENE	6	39.8	-7	
12	0.		1012.2	39	100	39	ENE	5	40.1	-7	
13	0.		1010.5	39	100	39	ENE	7	40.4	-6	
14	0.		1009.9	39	100	39	ENE	6	40.6	-6	
15	0.		1009.6	40	100	40	ENE	7	40.3	-5	
16	0.		1009.8	41	100	41	ENE	7	40.3	-4	
17	•01		1009.6	41	100	41	ENE	6	40.9	-3	
18	•01		1010.0	42	100	42	NE	5	41.3	-5	
19	T		1010.4	43	100	43	NNE	5	41.3	-6	
20	0.		1010.7	42	100	42	N	4	40.9	-6	
21	0.		1011.2	41	100	41	NNE	5	40.7	-6	
22	0.		1011.3	40	100	40	NNF	6	40.5	-5	
23	0.		1011.6	40	100	40	NNF	4	40.5	-5	
24	0.		1012.1	40	100	40	NNF	3	40.4	-5	
TOT	•43							134			
Avg	1011.9		40	100	40		ENE	6	40.2	•4	
Max	1013.8		43	100	43			8	41.3	NONE	
Min	1009.6		38	99	39			3	38.9	•7	

EUGEWOOD DECEMBER 1970

12

HOURLY	VERT RAD	NET RAD	TOT RAD
1	0	0	30
2	0	0	30
3	0	0	31
4	0	0	29
5	0	0	24
6	0	0	29
7	0	0	29
8	0	0	28
9	0	0	24
10	1	-2	24
11	3	-2	24
12	3	-2	24
13	3	-3	24
14	2	-3	27
15	2	0	31
16	1	0	29
17	0	-4	26
18	0	-6	24
19	0	-5	23
20	0	-6	26
21	0	-4	29
22	0	0	29
23	0	0	29
24	0	0	29
TOT	15	-42	656
AVE			
MAX			
MIN			

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## EDGEGWOOD DECEMBER 1970

13

	STA	PRECIP	PRESS	TEMP	HUMID PT	DEW	WIND DIRECTION	WIND SPEED	SNOW/SOIL	TEMP	DELTA T
1	0°	1012.3	40	100	40	NNE	4	40.1	-5	-4	-4
2	0°	1012.7	39	100	39	NNE	2	40.2	-5	-5	-5
3	0°	1013.1	39	100	39	NNE	3	40.0	-5	-5	-5
4	0°	1013.2	39	100	39	NNE	2	40.0	-5	-5	-5
5	0°	1013.3	39	100	39	NNE	2	39.4	-6	-5	-5
6	0°	1013.3	39	100	39	NNE	1	39.7	-5	-5	-5
7	0°	1013.6	39	100	39	ENE	1	39.7	-6	-6	-6
8	0°	1013.7	38	100	38	ENE	1	39.8	-6	-6	-6
9	0°	1013.8	39	96	38	C	43.5	-1.2	-1.2	-1.2	-1.2
10	0°	1014.4	39	97	38	C	43.0	-1.3	-1.3	-1.3	-1.3
11	0°	1014.6	40	98	40	SSW	1	44.0	-1.2	-1.2	-1.2
12	0°	1013.8	41	100	41	SSW	1	43.9	-1.2	-1.2	-1.2
13	0°	1013.4	41	100	41	SW	3	43.9	-0.9	-0.9	-0.9
14	0°	1012.7	41	100	41	SSW	3	43.5	-0.7	-0.7	-0.7
15	0°	1012.9	42	94	40	SSW	3	43.7	-0.5	-0.5	-0.5
16	0°	1013.0	44	96	43	SSW	3	41.9	-0.1	-0.1	-0.1
17	0°	1013.3	44	98	43	SSW	2	41.5	0.0	0.0	0.0
18	0°	1013.7	44	53	28	W	2	38.3	1.8	1.8	1.8
19	0°	1014.5	43	55	27	WNW	5	36.5	2.1	2.1	2.1
20	0°	1015.1	44	60	31	WNW	3	35.6	2.2	2.2	2.2
21	0°	1015.3	43	58	29	W	3	35.5	1.1	1.1	1.1
22	0°	1015.7	41	60	29	W	5	35.0	1.0	1.0	1.0
23	0°	1015.9	40	58	27	W	2	37.7	0.7	0.7	0.7
24	0°	1016.3	41	60	28	SSW	2	37.3	0.8	0.8	0.8
TOT	0.00						54				
Avg	1013.9	41		87	36	NNE	2	40.2	-0.0	-0.0	-0.0
Max	1016.3	44		100	43		5	44.0	2.2	2.2	2.2
Min	1012.3	38		53	27		0	35.0	-1.3	-1.3	-1.3

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## EUGEWOOD DECEMBER 1970

13

HOUR	VERT RAD	NET RAD	TOT RAD	NET RAD	TOT RAD	NET RAD	TOT RAD
1	0	0	29				
2	0	0	29				
3	0	0	28				
4	0	0	29				
5	0	0	28				
6	0	0	28				
7	0	0	29				
8	1	-1	29				
9	0	6	32				
10	6	3	36				
11	7	3	35				
12	8	4	37				
13	10	6	38				
14	7	4	36				
15	15	6	43				
16	4	1	31				
17	0	-1	28				
18	0	-4	24				
19	0	-5	22				
20	0	-5	21				
21	0	-5	21				
22	0	-5	22				
23	0	-1	27				
24	0	0	28				
Total	64	2	710				
Avg							
Max							
Min							

14

MOULD	STA	PRECIP	PRESS	TEMP	HUMID PT	DEW - WIND		SNOW/SOIL	TEMP	DELTA T
						DIRECT	SPEED			
1	1016•3	41	50	24	W	5	37.6	•4	37.8	•3
2	1016•8	43	51	26	W	7	37.8	•3	37.7	•4
3	1017•5	43	53	27	WNW	9	37.7	•4	37.6	•4
4	1017•7	42	55	27	W	5	37.6	•7	35.2	•7
5	1017•7	41	56	27	W	7	37.4	•1	36.9	•1
6	1018•6	41	54	25	WNW	8	36.9	•1	36.8	•1
7	1019•5	41	51	25	WNW	8	36.8	•1	36.8	•1
8	1020•6	39	52	23	WNW	6	39.0	-6	41.1	-1.4
9	1021•3	40	51	24	NN	7	41.1	-1.1	41.5	-1.1
10	1021•5	41	53	25	NN	10	46.0	-1.9	44.7	-1.9
11	1021•4	42	54	27	WNW	10	43.8	-1.3	41.5	-1.3
12	1021•6	43	44	23	NN	10	41.5	-1.6	39.5	-1.5
13	1020•8	43	45	23	WNW	10	44.7	-1.9	33.0	4.2
14	1020•5	43	45	23	WNW	10	43.8	-1.3	32.2	4.7
15	1020•2	43	42	22	NW	8	41.5	-1.6	29.9	5.9
16	1020•3	39	41	18	WNW	8	39.5	-1.5	33.0	1.3
17	1020•3	29	46	19	WNW	3	35.1	1.8	35.6	2.0
18	1020•4	26	54	12	WNW	1	35.6	4.4	28.9	6.7
19	1020•3	29	71	21	C	C	29.4	2.9	29.4	2.9
20	1020•4	32	84	28	C	C	33.0	1.3	35.1	1.8
21	1020•2	34	91	31	C	C	35.1	1.8	35.6	2.0
22	1020•1	34	94	33	C	C	33.5	2.0	33.5	4.4
23	1019•7	33	83	28	C	C	37.2	•9	46.0	5.9
24	1019•1	34	83	29	C	C	28.9	-1.9	28.9	-1.9
TOT	0.00					133				
Avg	1019•7	38	58	24	WNW	6				
MAX	1021•5	43	94	33	10	10				
MIN	1016•3	26	41	10	9	9				

14

EDGEWOOD DECEMBER 1970

HOUR	VERT RAD	NET RAD	TOT RAD
1	9	-1	27
2	0	-1	26
3	0	-1	27
4	0	-2	24
5	0	-4	24
6	0	-2	25
7	0	-1	26
8	0	-1	27
9	5	1	31
10	20	7	40
11	24	9	46
12	30	12	51
13	34	14	56
14	30	12	53
15	23	7	45
16	11	0	32
17	1	-5	23
18	0	-5	20
19	0	-3	22
20	0	-3	21
21	0	-1	24
22	0	0	27
23	0	-1	26
24	0	-2	24
TOT	178	29	753
AVE			
MAX			
MIN			

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## EDGEWOOD DECEMBER 1970

15

HOUR	PRECIP	STA	TEMP	HUMID PT	DEW	WIND DIRECTION	WIND SPEED	SNOW/SOIL	TEMP	DELTA T
1	0.	1018.8	33	70	25	WSW	1	31.4	3.5	
2	0.	1018.8	36	67	26	WSW	2	31.7	2.6	
3	0.	1020.0	35	65	24	NNW	2	33.1	2.1	
4	0.	1021.1	33	72	24	NNW	4	32.8	2.7	
5	0.	1022.1	31	66	21	NNW	6	32.3	1.8	
6	0.	1023.0	32	62	21	NNW	5	31.2	2.8	
7	0.	1024.3	35	61	23	NNW	2	30.3	2.6	
8	0.	1025.8	37	58	23	NNW	3	30.9	2	
9	0.	1026.7	38	54	23	NW	4	35.1	7.9	
10	0.	1027.2	39	50	22	NNW	4	40.2	-1.8	
11	0.	1027.5	40	47	22	N	7	45.1	-2.6	
12	0.	1026.9	41	46	22	E	6	47.1	-2.7	
13	0.	1026.7	41	44	21	E	5	49.1	-2.8	
14	0.	1026.6	42	42	20	E	4	48.1	-2.1	
15	0.	1026.6	37	44	17	N	4	44.2	-1.8	
16	0.	1025.9	36	47	12	NE	4	39.5	-5	
17	0.	1027.1	25	54	11	ENE	2	33.2	7.2	
18	0.	1027.6	24	70	15	C	C	28.7	3.7	
19	0.	1028.6	24	83	20	C	C	29.2	8.8	
20	0.	1028.4	24	89	21	C	C	29.0	7.5	
21	0.	1028.5	24	91	22	C	C	29.1	5.6	
22	0.	1028.6	22	93	21	C	C	29.2	6.0	
23	0.	1028.9	25	96	24	C	C	29.2	5.4	
24	0.	1029.1	22	95	21	C	C	28.5	5.1	
TOT	0.00							69		
AVG		1025.7	32	65	21	NNW	3	34.9	2.1	
MAX		1029.1	42	96	26		8	49.1	8.8	
MIN		1018.8	22	42	11		0	28.5	-2.8	

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ENGEGOOD DECEMBER 1970

15

HOURLY	VERT RAD	NET RAD	TOT RAD
1	0	-4	22
2	0	-5	22
3	0	-2	24
4	0	-2	25
5	0	-4	22
6	0	-6	20
7	0	-5	20
8	2	-5	22
9	12	0	32
10	24	7	46
11	34	13	55
12	38	16	59
13	37	15	58
14	31	11	51
15	23	7	45
16	11	0	32
17	1	-4	23
18	0	-5	21
19	0	-3	21
20	0	-3	21
21	0	-3	20
22	0	-3	22
23	0	-3	22
24	0	-3	21
TOT	213	9	726
AVE			
MAX			
MIN			

HOURLY	STA	PRECIP	PRESS	TEMP	HUMID PT	DEW	= WIND	WIND	SNOW/SOIL	TEMP	DELTA T
							DIRECT	SPEED			
1	0.	1029.1	23	95	22	NE	1	29.6	5.1		
2	0.	1028.5	27	97	26	ENE	1	28.3	5.4		
3	0.	1029.0	29	98	28	ESE	1	28.2	6.4		
4	0.	1028.8	31	99	30	NE	1	29.1	4.9		
5	0.	1028.7	31	99	31	NE	1	30.7	7		
6	0.	1028.7	32	99	32	NE	1	31.3	3		
7	0.	1028.6	34	97	34	ENE	2	32.8	2		
8	0.	1027.9	35	92	33	NE	3	34.9	0.0		
9	0.	1027.7	37	91	35	ENE	3	35.1	-2		
10	0.	1027.5	39	90	36	E	4	36.9	-3		
11	0.	1026.6	39	87	35	ENE	6	38.7	-6		
12	0.	1025.3	39	85	35	E	7	39.3	-6		
13	0.	1024.0	40	86	36	E	6	39.4	-4		
14	0.	1022.8	41	94	39	ENE	3	39.3	-1		
15	.05	1021.3	42	100	42	ESE	4	39.4	-2		
16	.04	1019.9	42	100	42	E	7	39.7	-3		
17	.11	1018.1	43	100	43	E	10	40.6	-8		
18	.09	1016.4	43	100	43	E	10	41.1	-1.4		
19	.14	1015.3	44	100	44	E	10	41.3	-2.0		
20	.07	1012.6	45	100	45	E	10	41.2	-1.7		
21	.15	1011.4	45	100	45	E	10	41.7	-1.9		
22	.38	1009.9	46	100	46	ESE	6	42.4	-1.8		
23	.26	1006.9	47	100	47	ESE	10	42.6	-7		
24	.01	1003.8	47	100	47	E	11	42.7	-7		
TOT	1.30	1021.6	38	96	37	E	128				
AVE							5	36.9	.4		
MAX		1029.1	47	100	47		11	42.7	6.4		
MIN		1003.8	23	85	22		1	28.2	-2.0		

EDGEGOOD DECEMBER 1970

16

HOUR	VERT RAD	NET PAD	TOT RAD
1	0	-3	22
2	0	-4	20
3	0	-4	21
4	0	-2	22
5	0	-1	25
6	0	1	24
7	0	0	28
8	0	0	28
9	2	1	29
10	4	2	30
11	7	3	34
12	7	3	34
13	5	2	32
14	3	-7	23
15	1	-8	20
16	0	-5	22
17	0	-5	23
18	0	-4	22
19	0	-3	23
20	0	-2	23
21	0	-2	23
22	0	-1	27
23	0	-1	27
24	0	0	25
TOT	29	-40	611
AVE			
MAX			
MIN			

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17

	STA	PRECIP	PRESS	TEMP	HUMID	DEW PT	WIND DIREC	WIND SPEED	SNOW/SOTL	DELTA T
1	•03	1002.2	47	100	47	E	12	43.0	-3	-0.5
2	•07	1001.5	46	100	46	ENE	9	42.9	-0.5	-0.1
3	•02	1000.8	46	100	46	ENE	6	43.2	-1	-0.1
4	•02	999.9	42	100	42	N	6	43.2	-1	-0.1
5	•01	1000.4	41	100	41	W	5	43.4	-3	-0.5
6	0•	1001.1	40	100	40	NW	5	43.4	-5	-0.5
7	0•	1002.4	40	96	39	NNW	6	42.6	-4	-0.4
8	0•	1003.6	41	95	39	NNW	6	41.4	-6	-0.6
9	0•	1004.3	43	87	39	NW	5	42.0	0.0	0.0
10	0•	1005.0	45	78	38	NW	6	42.8	-1	-0.1
11	0•	1005.5	45	73	37	NW	9	44.0	-7	-0.7
12	0•	1005.4	46	71	37	NW	7	44.7	-8	-0.8
13	0•	1005.8	48	71	39	NNW	8	45.4	-7	-0.7
14	0•	1006.3	50	66	29	NNW	8	46.3	-6	-0.6
15	0•	1007.0	50	69	39	NNW	7	46.6	0.0	0.0
16	0•	1008.1	50	68	40	NW	7	45.4	-1	-0.1
17	0•	1008.9	49	65	37	NNW	9	44.2	-6	-0.6
18	0•	1010.1	47	64	36	NNW	11	43.8	-4	-0.4
19	0•	1011.5	45	63	34	NNW	10	42.7	-8	-0.8
20	0•	1012.7	45	64	34	NNW	10	41.5	-5	-0.5
21	0•	1013.5	45	65	34	NNW	7	41.4	-5	-0.5
22	0•	1014.2	45	64	33	NNW	8	41.3	-4	-0.4
23	0•	1014.9	44	65	33	NNW	6	41.2	-3	-0.3
24	0•	1015.4	44	66	33	NNW	6	41.2	-3	-0.3
TOT	•15	1006.7	45	79	38	NNW	180	43.2	-1	-0.8
Avg		1015.4	50	100	47		12	46.6	-8	-0.8
Max		999.9	40	63	33		5	41.2	-8	-0.8
Min										

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## EDGEWOOD DECEMBER 1970

17

HOLD	VERT	NET	TOT	RAD
	RAD	RAD	RAD	
1	0	-2	24	
2	0	-3	24	
3	0	-2	24	
4	0	-3	26	
5	0	-2	24	
6	0	-1	28	
7	0	0	29	
8	1	0	30	
9	1	5	38	
10	14	7	40	
11	23	9	46	
12	17	9	43	
13	15	9	43	
14	19	11	46	
15	15	9	46	
16	5	2	34	
17	0	0	30	
18	0	-2	28	
19	0	-3	27	
20	0	-4	25	
21	0	-2	27	
22	0	-1	27	
23	0	0	28	
24	0	-1	28	
TOT	120	35	769	
Avg				
MAX				
MIN				

	STA PRECIP PRESS	TEMP	HUMID	DEW PT	WIND DIRECT	WIND SPEED	SNOW/SOIL	TEMP	DELTAT
1	0.	1015.6	44	63	32	WNW	5	41.3	.4
2	0.	1016.3	41	64	39	WNW	5	41.0	.4
3	0.	1016.8	39	69	39	WNW	6	40.0	.7
4	0.	1017.1	40	74	32	WNW	3	38.4	1.6
5	0.	1017.8	39	72	39	W	2	38.1	1.2
6	0.	1018.8	37	78	31	N	4	37.3	2.0
7	0.	1019.6	40	80	34	WNW	2	37.8	.8
8	0.	1020.8	42	81	36	C	36.5	2.7	
9	0.	1021.3	44	68	34	"	1	40.0	-1.3
10	0.	1021.6	45	57	31	NW	6	41.8	-1.4
11	0.	1021.6	46	56	31	NNW	8	43.4	-1.6
12	0.	1021.2	46	54	31	NNW	9	45.8	-1.5
13	0.	1020.7	47	53	31	NNW	6	46.9	-2.3
14	0.	1020.3	48	51	31	NNW	5	48.8	-1.9
15	0.	1020.4	46	53	30	NNW	5	46.6	-1.1
16	0.	1020.4	42	57	28	E	3	44.0	1.6
17	0.	1020.5	35	64	24	NNE	1	39.8	3.8
18	0.	1020.5	32	80	27	C	38.0	4.9	
19	0.	1020.5	31	93	29	C	36.7	2.9	
20	0.	1020.5	30	99	30	C	36.1	2.5	
21	0.	1020.5	29	98	28	C	36.3	3.1	
22	0.	1020.3	27	97	26	C	35.2	2.1	
23	0.	1020.0	28	97	27	C	34.9	2.0	
24	0.	1019.4	29	99	29	C	34.0	3.4	
TOT	0.00						71	39.9	
Avg	1019.7	39	73	30	WNW	3		1.0	
Max	1021.6	44	99	36		9	49.8	4.9	
Min	1015.6	27	51	24		0	34.0	-2.3	

## EDGEGOOD DECEMBER 1970

18

HOUR	VERT RAD	NET RAD	TOT RAD
1	0	0	29
2	0	0	28
3	0	-2	27
4	0	-4	24
5	0	-4	24
6	0	-4	23
7	0	-3	25
8	1	-3	24
9	10	0	33
10	22	7	44
11	32	13	54
12	36	16	60
13	31	14	54
14	30	13	51
15	23	7	44
16	8	1	33
17	1	-3	25
18	0	-4	23
19	0	-3	24
20	0	-3	23
21	0	-3	23
22	0	-3	23
23	0	-3	23
24	0	-3	22
TOT	194	26	763
AVE			
MAX			
MIN			

19

	STA	PRECIP	PRESS	TEMP	HUMID PT	DEFW - WIND DIR	INUN - SPEED	SNOW/SOIL	TEMP	DELTA T
1	0.	1018.6	32	100	32	NNE		1	34.1	2.8
2	0.	1017.6	34	100	34	NNE		1	35.1	.8
3	0.	1016.7	36	100	36	C		1	35.9	.5
4	0.	1015.6	37	100	37	NE		1	37.9	-2
5	0.	1015.0	39	100	39	C		1	38.6	-3
6	0.	1013.8	42	100	42	S		1	39.4	-2
7	0.	1013.6	42	98	41	SSW	2	2	39.8	-1
8	0.	1013.4	42	98	42	WSW	1	1	40.9	-3
9	0.	1013.1	44	93	42	S		1	41.7	-4
10	0.	1013.0	45	81	39	WSW	2	2	43.3	-5
11	0.	1012.5	45	79	39	WSW	3	3	44.6	-1.0
12	0.	1010.6	46	78	40	SW	2	2	44.4	-1.2
13	0.	1009.8	47	78	40	SSW	4	4	47.0	-9
14	0.	1009.2	51	72	42	SSW	2	2	44.4	-1.1
15	0.	1008.9	49	68	39	SSW	3	3	45.0	-2
16	0.	1008.6	46	80	40	SSW	3	3	43.7	1.4
17	0.	1008.8	44	91	42	SSW	2	2	42.4	1.0
18	0.	1008.7	42	100	42	SSW	3	3	40.6	1.4
19	0.	1008.8	41	99	40	SSW	2	2	39.8	3.2
20	0.	1009.5	45	99	45	C		1	39.2	3.0
21	0.	1010.6	53	56	38	N		1	38.5	8.5
22	0.	1011.8	56	53	39	N		10	43.3	1.3
23	0.	1013.5	49	57	35	NNW		12	41.4	1.6
24	0.	1015.0	48	55	32	NNW		6	40.1	1.4
TOT	0.00	1012.4	44	85	39	SSW	3	63	40.9	.9
Avg		1018.6	56	100	45		12		47.0	8.5
Max		1018.6	53	53	32		0		34.1	-1.2
Min		1008.6								

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## EDGEGWOOD DECEMBER 1970

19

HOUR	VERT RAD	NET RAD	TOT RAD
1	0	-3	23
2	0	-1	24
3	0	0	27
4	0	1	28
5	0	0	27
6	0	0	28
7	0	1	31
8	1	0	31
9	4	2	33
10	4	3	34
11	11	6	39
12	11	5	38
13	27	11	49
14	8	1	35
15	20	7	43
16	9	2	33
17	1	-1	27
18	0	-3	24
19	0	-3	27
20	0	-2	27
21	0	-2	26
22	0	-4	26
23	0	-5	25
24	0	-5	24
TOT	96	10	729
Avg			
Max			
Min			

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	STA	PRECIP	PRESS	TEMP	HUMID PT	DEW PT	WIND DIRECTION	WIND SPEED	SNOW/SOIL TEMP	NETTA T
1	0°	1015.6	46	52	29	WNW	7	38.4	1.2	
2	0°	1016.6	44	55	29	NW	10	38.3	1.4	
3	0°	1017.6	43	56	29	NNW	3	37.2	1.6	
4	0°	1018.0	42	56	27	NNW	5	36.8	1.5	
5	0°	1018.9	39	60	26	NNW	3	36.1	1.8	
6	0°	1019.5	37	68	27	NNW	1	34.7	5.1	
7	0°	1020.6	40	71	31	N	1	34.8	3.9	
8	0°	1021.3	44	68	34	WSW	1	34.3	3.8	
9	0°	1022.1	45	61	32	W	2	39.2	-0.9	
10	0°	1023.1	48	53	32	WSW	3	43.6	-1.5	
11	0°	1023.0	47	53	31	WSW	3	45.1	-0.9	
12	0°	1022.8	48	48	29	W	3	43.4	-0.5	
13	0°	1022.5	48	45	28	NW	4	46.9	-0.6	
14	0°	1022.4	48	43	27	NNW	7	44.1	-0.3	
15	0°	1022.5	47	43	25	NNW	6	43.4	0.0	
16	0°	1022.6	40	46	21	NNW	4	40.4	0.6	
17	0°	1022.9	31	54	16	NNW	1	35.4	6.4	
18	0°	1023.3	29	79	23	C	34.8	4.7		
19	0°	1023.7	27	91	25	C	32.9	3.2		
20	0°	1024.1	28	97	27	C	31.8	3.6		
21	0°	1024.3	27	97	26	C	31.5	3.8		
22	0°	1024.8	26	97	25	C	32.8	2.7		
23	0°	1025.4	24	96	23	C	31.5	5.2		
24	0°	1025.4	25	96	24	C	30.9	1.2		
TOT	0.00						68			
AVE		1021.8	38	66	27	WNW	3	37.4	2.0	
MAX		1025.4	48	97	34	10	46.9	6.4		
MIN		1015.6	24	43	16	0	30.9	-1.5		

## EDGEGOOD DECEMBER 1970

20

HOUR	VERT RAD	NET RAD	TOT RAD
1	0	-5	23
2	0	-6	23
3	0	-4	24
4	0	-5	23
5	0	-5	23
6	0	-4	23
7	0	-4	24
8	1	-4	23
9	11	0	33
10	18	8	42
11	27	13	54
12	13	6	40
13	32	13	54
14	25	10	47
15	17	4	40
16	7	-1	30
17	1	-4	24
18	0	-4	22
19	0	-4	23
20	0	-4	22
21	0	-4	22
22	0	-2	24
23	0	-3	23
24	0	-3	23
TOT	152	-12	709
AVE			
MAX			
MIN			

21

	STA HOURLY PRECIP PRESS	TEMP	HUMID PT	DFW - WIND PT	DIRECT SPEED	SNOW/SOIL TEMP	NETTA T
1	0•	1025•2	28	97	27	C	30•7 4•5
2	0•	1025•2	29	98	28	C	30•4 4•8
3	0•	1025•4	29	93	27	C	30•8 3•2
4	0•	1025•1	30	92	28	C	31•0 4•6
5	0•	1025•1	30	93	29	C	32•0 2•0
6	0•	1025•3	31	97	30	C	33•5 1•1
7	0•	1025•6	32	93	30	C	33•8 •6
8	0•	1025•1	32	85	28	C	34•9 •7
9	0•	1025•5	34	75	27	C	36•3 •2
10	0•	1025•4	35	68	25	ENE	37•5 •3
11	0•	1025•1	35	66	25	ESE	38•0 •6
12	0•	1024•4	35	63	24	E	38•8 •8
13	0•	1022•5	35	76	28	ESE	38•0 •4
14	0•	1022•4	33	100	33	E	34•5 •3
15	.02	1022•3	32	100	32	ENE	35•2 •3
16	.03	1022•1	32	100	32	NE	35•5 •3
17	.01	1021•1	32	100	32	ENE	35•9 •3
18	.01	1021•4	32	100	32	ENE	35•8 •5
19	0•	1021•5	32	100	32	ENE	35•8 -1•0
20	0•	1021•4	32	100	32	ENE	35•7 -1•4
21	0•	1021•5	32	100	32	ENE	35•8 -1•2
22	.05	1021•5	32	100	32	NE	35•6 -1•2
23	.02	1021•4	32	100	32	ENE	35•3 -1•3
24	.01	1021•3	32	100	32	ENE	35•2 -1•2
TOT	.15	1023•5	32	91	30	ENE	34•8 •4
AVE							38•8 4•8
MAX		1025•6	35	100	33		30•4 -1•4
MIN		1021•1	28	63	24		

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## EDGEGOOD DECEMBER 1970

21

HOUR	VERT	NET	TOT	RAD	RAD
1	0	-3	23		
2	0	-3	22		
3	0	-2	24		
4	0	-2	25		
5	0	-1	26		
6	0	0	27		
7	0	0	27		
8	1	0	28		
9	3	2	31		
10	6	3	32		
11	4	2	32		
12	7	3	33		
13	6	3	31		
14	3	4	29		
15	2	-4	25		
16	1	-5	23		
17	0	-4	23		
18	0	-4	24		
19	0	-5	22		
20	0	-4	22		
21	0	-5	22		
22	0	-4	23		
23	0	-4	22		
24	0	-4	22		
TOT	33	-40	618		
AVE					
MAX					
MIN					

	STA	PRECIP	PRESS	TEMP	HUMID	PT	DEW	- WIND -	WIND SPEED	SNOW/SOIL	TEMP	DELTA T
HOUR												
1	•02	1020.4		32	100	32		ENE	5	35.5	-1.3	
2	•01	1020.1	32	100	32		ENE	5	35.5	-1.1		
3	•07	1019.5	32	100	32		ENE	4	35.6	-1.1		
4	0.	1018.7	33	100	33		ENE	3	35.5	-1.1		
5	•03	1018.5	34	100	34		ENE	3	35.5	-1.9		
6	•04	1016.4	34	100	34		ENE	5	35.3	-7		
7	•08	1016.3	35	100	35		ENE	6	35.7	-4		
8	•09	1017.2	35	100	35		NW	5	35.4	-2		
9	•23	1015.6	35	100	35		E	3	34.7	-5		
10	•01	1014.6	36	100	36		E	2	34.5	-4		
11	•07	1014.1	36	100	36		NW	1	36.2	-1.1		
12	•04	1011.9	37	100	37		E	1	37.2	-1.4		
13	•01	1010.9	38	100	38		NNE	3	38.2	-1.3		
14	0.	1010.6	38	100	38		NW	3	39.1	-1.3		
15	0.	1010.2	39	100	39		NNE	1	39.3	-1.4		
16	0.	1010.5	39	100	39		NNE	1	40.0	-1.2		
17	0.	1010.5	39	100	39		C	0	40.0	-1.0		
18	0.	1011.0	38	100	38		C	0	40.2	-1.1		
19	0.	1012.0	38	100	39		N	1	40.2	-1.1		
20	0.	1012.5	38	100	38		NNW	2	40.1	-2		
21	0.	1012.9	37	100	37		NNW	3	39.5	-1.1		
22	0.	1013.2	36	100	36		N	2	39.5	-1.1		
23	0.	1013.5	36	100	36		N	1	39.5	-1.1		
24	0.	1013.7	36	100	36		NNW	1	39.5	-1.2		
TOT		•70								61		
AVE		1014.4	36		100	36	ENE	3	37.6	-1.0		
MAX		1020.4	39		100	39		6	40.2			
MIN		1010.2	32		100	32		0	34.5			

EDGEWOOD DECEMBER 1970

22

HOUR	VERT RAD	NET RAD	TOT RAD
1	0	-4	23
2	0	-4	24
3	0	-3	27
4	0	-3	25
5	0	-4	23
6	0	-3	23
7	0	-2	24
8	1	-2	24
9	1	-1	26
10	2	-1	25
11	2	-2	27
12	5	-2	27
13	5	-1	30
14	4	0	33
15	4	2	33
16	4	3	34
17	1	0	31
18	0	0	30
19	0	0	29
20	0	0	28
21	0	0	29
22	0	0	29
23	0	0	29
24	0	0	29
TOT	29	-27	662
AVE			
MAX			
MIN			

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23

STA HOUR	PRECIP PRESS	TEMP	HUMID	PT	DEW	WIND DIREC	SPEED	SNOW/SOIL	DELTAT
1 0.	0.	1013.8	36	100	36	NNE	2	39.4	-1.2
2 0.	0.	1014.2	35	100	35	SW	1	39.6	-1.1
3 0.	0.	1014.5	25	100	35	W	1	39.5	-1.2
4 0.	0.	1014.3	35	100	35	C	1	39.5	-1.2
5 0.	0.	1014.3	35	100	35	E	1	39.3	-1.1
6 0.	0.	1014.2	35	100	35	C	1	39.2	-1.3
7 0.	0.	1014.7	36	100	36	SE	1	39.1	-1.3
8 .01	.01	1015.1	35	100	35	SE	1	39.2	-1.3
9 .01	.01	1014.6	35	100	35	E	2	39.0	-1.4
10 .03	.03	1015.1	35	99	35	ENE	3	39.1	-1.4
11 .0	.0	1014.4	36	99	35	ENE	5	39.0	-1.2
12 .01	.01	1012.5	36	99	35	ENE	6	38.8	-1.3
13 .01	.01	1011.6	35	98	35	NE	5	39.0	-1.9
14 .04	.04	1010.8	35	98	34	NE	5	38.9	-1.0
15 .01	.01	1010.3	35	98	35	NE	5	38.9	-1.9
16 T	T	1009.0	36	98	36	ENE	5	38.9	-1.4
17 .01	.01	1008.8	38	97	37	NE	5	38.9	-1.4
18 T	T	1008.6	39	97	38	NE	5	38.9	-1.7
19 .0	.0	1008.0	39	97	39	NE	4	38.9	-1.8
20 .0	.0	1007.5	38	98	38	ENE	5	38.9	-1.9
21 0.	0.	1006.8	37	98	37	NE	5	39.3	-1.7
22 0.	0.	1006.3	38	99	37	NE	4	39.3	-1.0
23 0.	0.	1005.0	38	99	38	NE	3	39.3	-1.1
24 .02	.02	1004.2	37	99	37	NE	3	39.3	-1.1
TOT	.15	1011.2	36	99	36	NE	3	39.1	-1.0
AVE		1015.1	29	100	38		6	39.6	
MAX		1004.2	35	97	34		0	38.8	
MIN									

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EDGEGOOD DECEMBER 1970

23

HOUR	VERT RAD	NET RAD	TOT RAD
1	0	0	28
2	0	0	29
3	0	0	29
4	0	0	28
5	0	0	28
6	0	0	28
7	0	0	28
8	1	0	28
9	2	1	30
10	2	-2	27
11	3	-4	27
12	1	-4	26
13	2	-4	24
14	1	-4	25
15	1	-5	24
16	1	-5	27
17	0	-3	28
18	0	-5	24
19	0	-4	27
20	0	-3	28
21	0	-3	29
22	0	-1	29
23	0	-2	29
24	0	-5	24
TOT	14	-53	654
AVE			
MAX			
MIN			

24

HOUR	STA PRECIP	PRESS	TEMP	HUMID PT	DEW	WIND		SNOW/SOIL	TEMP	DELTA T
						DIRECT	SPEED			
1	T	1002.6	38	100	38	NE	2	39.2	-1.0	
2	.06	1003.3	38	100	38	NNW	3	39.3	-0.6	
3	.01	1004.2	38	99	38	NNW	4	39.5	-0.6	
4	0.	1004.0	37	97	36	NW	2	39.1	-0.9	
5	0.	1004.7	38	50	20	NW	8	37.6	0.0	
6	0.	1005.5	39	43	18	NW	3	36.5	1.5	
7	0.	1007.0	37	44	17	WNW	6	36.1	0.9	
8	0.	1008.9	36	43	16	NW	19	34.4	0.0	
9	0.	1010.2	35	39	12	WNW	13	34.4	-0.5	
10	0.	1011.5	34	38	11	NW	13	34.4	-0.8	
11	0.	1012.1	35	37	11	WNW	11	36.5	-1.6	
12	0.	1012.0	36	39	13	NW	19	37.8	-1.3	
13	0.	1011.8	37	37	13	WNW	12	39.1	-1.5	
14	0.	1012.0	38	36	13	WNW	11	39.2	-1.2	
15	0.	1012.3	38	37	14	NW	11	38.3	-0.7	
16	0.	1013.2	38	38	14	NW	9	36.4	-3.0	
17	0.	1013.9	36	39	14	NW	9	34.7	-0.9	
18	0.	1014.7	32	46	13	NNW	4	34.6	2.5	
19	0.	1015.5	31	48	14	NW	2	34.6	1.1	
20	0.	1015.7	30	48	13	NW	2	34.6	2.1	
21	0.	1016.1	29	50	13	WNW	1	34.3	2.3	
22	0.	1016.1	28	52	13	WNW	1	33.2	2.6	
23	0.	1016.2	25	57	12	WNW	1	30.5	3.1	
24	0.	1015.9	24	72	16	C	0	30.7	3.1	
TOT	.07						153			
AVE		1010.8		54	18	NW	6	36.0	.5	
MAX		1016.2		100	38	13	39.5	3.1		
MIN		1002.6		36	11	0	30.5	-1.6		

## EDGWOOD DECEMBER 1970

24

	VERT RAD	NET RAD	TOT RAD
HOUR			
1	0	-4	28
2	0	-3	27
3	0	-5	27
4	0	-7	24
5	0	-9	20
6	0	-7	21
7	0	-4	23
8	2	-5	23
9	12	0	30
10	23	8	43
11	33	13	51
12	39	16	57
13	36	17	54
14	33	13	52
15	24	7	43
16	12	0	31
17	2	-5	21
18	0	-6	21
19	0	-6	22
20	0	-5	21
21	0	-6	21
22	0	-5	21
23	0	-5	21
24	0	-3	24
TOT	216	-11	726
AVF			
MAX			
MIN			

25

HOUR	PRECIP	STA PRESS	TEMP	HUMID PT	DEW - WIND DIRECTION	IND - SPEED	SNOW/SOIL	TEMP	DELTA T
1	0.	1015.8	22	79	17	C	30.3	2.3	
2	0.	1015.7	22	80	17	C	30.3	3.9	
3	0.	1015.2	21	82	16	C	30.1	3.4	
4	0.	1014.7	21	87	18	C	29.8	3.6	
5	0.	1014.2	22	88	19	C	30.0	2.6	
6	0.	1014.8	21	88	18	C	30.0	1.8	
7	0.	1013.5	23	90	21	C	30.0	1.8	
8	0.	1014.1	25	93	23	C	30.0	1.1	
9	0.	1013.7	27	94	23	C	30.8	-2	
10	0.	1013.5	31	70	22	C	30.9	-1.5	
11	0.	1012.6	32	56	18	C	34.0	-1.9	
12	0.	1011.1	32	56	19	C	36.0	-1.4	
13	0.	1009.8	33	61	21	SSW	36.2	-1.3	
14	0.	1008.4	35	59	22	SSW	37.8	-2.1	
15	0.	1006.7	35	55	20	S	37.5	-1.4	
16	T	1004.8	34	64	23	SSE	35.6	-1.5	
17	.01	1003.8	31	64	20	SE	33.3	2.0	
18	T	1003.1	30	69	21	ESE	32.9	2.5	
19	0.	1003.7	29	74	22	E	33.5	0.6	
20	0.	1003.1	29	76	22	C	33.5	1.9	
21	0.	1001.6	29	74	21	ENE	33.5	1.1	
22	0.	1001.0	29	78	23	N	33.6	0.4	
23	.01	1000.3	19	95	27	NNE	33.6	-0.4	
24	.04	999.5	21	97	27	NNE	33.5	-0.4	
TOT	.06	1008.9	28	76	21	SSW	28	7	
Avg		1015.8	35	97	27		32.8	7	
MAX		949.5	21	55	16		37.8	3.9	
MIN							29.8	-2.1	

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EUGEWOOD DECEMBER 1970

25

HOUR	VERT RAD	NET RAD	TOT RAD
1	0	-4	23
2	0	-4	20
3	0	-4	20
4	0	-5	21
5	0	-3	22
6	0	-3	23
7	0	-3	22
8	1	-2	23
9	6	0	27
10	21	4	37
11	33	10	47
12	25	11	47
13	15	7	39
14	22	8	44
15	22	6	41
16	11	0	31
17	2	-5	21
18	0	-5	20
19	0	-1	26
20	0	-1	25
21	0	-2	24
22	0	-1	27
23	0	0	27
24	0	-1	26
TOT	158	2	633
AVF			
MAX			
MIN			

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	STA	PRECIP	PRESS	TEMP	HUMID PT	DEN - WIND DIRECTION	WIND SPEED	SNOW/SOIL TEMP	DELTA T
HOUR						N	N	N	
1	0°	998.5	27	97	26	N	5	34.0	-0.2
2	0°	998.8	27	95	26	N	4	34.0	0.0
3	0°	999.1	28	91	25	NNW	6	34.0	+0.3
4	0°	999.6	28	86	24	NNW	6	34.0	+0.3
5	0°	1000.7	28	84	24	NNW	6	33.9	0.0
6	0°	1001.5	28	81	23	NW	7	33.2	+0.2
7	0°	1002.5	29	62	17	NW	9	32.0	+0.2
8	0°	1003.4	26	65	16	NNW	10	31.2	-0.3
9	0°	1004.6	27	54	12	WNW	13	30.4	-0.4
10	0°	1004.9	28	50	12	WNW	13	30.5	-0.5
11	0°	1005.0	29	49	12	NW	14	30.8	-0.8
12	0°	1004.6	30	47	12	NNW	11	31.9	-1.0
13	0°	1004.1	31	45	12	WNW	12	34.5	-1.0
14	0°	1004.8	31	44	12	WNW	12	34.4	-0.9
15	0°	1005.3	31	41	11	NNW	9	33.3	-0.8
16	0°	1005.6	30	41	9	WNW	12	31.1	-0.4
17	0°	1005.9	28	42	8	WNW	9	29.6	-0.4
18	0°	1006.3	26	44	7	WNW	10	29.3	-0.4
19	0°	1007.0	25	45	7	NNW	10	29.7	+0.3
20	0°	1007.4	24	44	5	WNW	5	28.8	+0.2
21	0°	1007.4	22	46	4	WNW	3	28.6	+0.5
22	0°	1007.4	21	47	4	WNW	3	28.0	+0.4
23	0°	1007.6	20	46	3	WNW	6	27.9	+0.3
24	0°	1007.6	19	46	2	WNW	5	27.4	+0.6
TOT	0.00							21.3	
AVE		1004.1	27	58	13			31.3	-0.1
MAX		1007.6	31	97	26			34.5	+0.6
MIN		998.5	19	41	2			27.4	-1.0

26

	VENT	NET	TOT	
WIND	RAD	RAD	RAD	
1	0	0	27	
2	0	0	26	
3	0	0	26	
4	0	2	26	
5	0	0	27	
6	0	0	27	
7	0	2	26	
8	0	1	25	
9	0	1	25	
10	0	7	29	
11	22	2	40	
12	33	5	40	
13	37	7	53	
14	38	8	56	
15	33	7	40	
16	24	3	42	
17	11	-2	30	
18	17	1	22	
19	0	-4	20	
20	0	-4	21	
21	0	-5	20	
22	0	-5	19	
23	0	-6	19	
24	0	0	19	
<b>TOT</b>	<b>207</b>	<b>-21</b>	<b>107</b>	
AVE				
MAX				
MIN				

HOUR	PRECIP PUFFS	TEMP	HUMID PT	DEM - WIND DIRECTION SPECI		TEMP	DELTAT
				SNOW/SOIL	WIND		
1	0	1007.4	18	47	1	1008.2	27.6
2	0	1007.1	17	50	3	1008.2	27.7
3	0	1006.9	19	55	5	1008.0	29.8
4	0	1006.5	21	59	0	1007.0	27.4
5	0	1006.1	22	54	0	1008.1	28.5
6	0	1005.8	24	52	0	1008.1	29.8
7	0	1005.6	25	52	16	1008.0	29.8
8	0	1005.2	26	51	16	1008.0	29.8
9	0	1004.8	28	49	11	1008.0	30.3
10	0	1005.0	29	50	12	1008.4	31.4
11	0	1005.2	32	49	16	1008.0	32.0
12	0	1002.6	35	43	15	1008.6	36.8
13	0	1002.0	36	45	17	1008.6	37.6
14	0	1002.2	36	43	16	1008.1	33.3
15	0	1002.4	37	42	14	1008.0	35.0
16	0	1003.5	36	44	16	1008.0	31.0
17	0	1003.9	34	45	17	1008.0	32.7
18	0	1004.9	33	44	14	1008.0	33.7
19	0	1006.3	32	45	13	1008.0	33.7
20	0	1007.0	30	45	12	1008.0	27.4
21	0	1007.7	29	45	16	1008.0	27.6
22	0	1008.1	28	47	16	1008.0	27.4
23	0	1008.4	27	44	10	1008.0	27.0
24	0	1008.7	26	47	0	1008.0	26.6
TOT	0.00					14.3	
Avg		1005.5	28	46	11	1008.0	29.8
Max		1004.7	37	50	17	13	36.5
Min		1007.0	16	47	1	0	26.6

27

group	VHT	HAD	PAU	TOT	RAD
1	0	-6	19	19	
2	0	-5	19	24	
3	0	-4	22	22	
4	0	-3	23	23	
5	0	-2	24	24	
6	0	-1	24	24	
7	0	1	24	24	
8	0	3	24	24	
9	0	14	34	34	
10	0	17	47	47	
11	0	16	50	50	
12	0	17	50	50	
13	0	20	62	62	
14	0	22	64	64	
15	0	12	34	34	
16	0	12	34	34	
17	0	2	24	24	
18	0	-5	21	21	
19	0	-6	20	20	
20	0	-6	19	19	
21	0	-6	19	19	
22	0	-5	20	20	
23	0	-6	20	20	
24	0	-6	20	20	
TOT	148	-41	671		
Avg					
Max					
Min					

## EUGENE O'ODORR DR. CFCMMP 1970

28

			DEW - 1100	WIND -	SNOW/SOIL	TEMP	DELTAT
86	1000 08	11	56	WNN	5	27.0	-1.0
87	500 13	6	6	27.1	-1.0		
88	57 12	6	6	26.7	-1.0		
89	57 12	NNA	NNA	NNA	1.1		
90	55 12	5	5	26.2	-1.0		
91	54 12	4	4	26.1	-1.0		
92	54 12	4	4	26.0	-1.0		
93	54 12	4	4	26.6	-1.0		
94	55 15	7	7	26.6	-1.0		
95	55 15	7	7	26.8	-1.0		
96	55 15	7	7	29.6	-1.0		
97	55 15	NNA	NNA	10	32.6	-1.0	
98	54 14	NNA	NNA	11	35.0	-1.0	
99	54 14	NNA	NNA	12	36.0	-1.0	
100	54 14	NNA	NNA	12	37.0	-1.0	
101	54 14	NNA	NNA	11	33.9	-1.0	
102	54 14	NNA	NNA	10	33.2	-1.0	
103	54 14	NNA	NNA	9	33.2	-1.0	
104	54 14	NNA	NNA	9	29.2	-1.0	
105	54 14	NNA	NNA	8	27.1	-1.0	
106	54 14	NNA	NNA	8	26.5	-1.0	
107	54 14	NNA	NNA	8	26.5	-1.0	
108	54 14	NNA	NNA	8	26.5	-1.0	
109	54 14	NNA	NNA	7	26.5	-1.0	
110	54 14	NNA	NNA	7	25.6	-1.0	
111	54 14	NNA	NNA	5	25.4	-1.0	
112	54 14	NNA	NNA	5	24.0	-1.0	
113	54 14	NNA	NNA	7	23.7	-1.0	
114	54 14	NNA	NNA	4	24.0	-1.0	
115	54 14	NNA	NNA	4	24.0	-1.0	
116	54 14	NNA	NNA	4	24.0	-1.0	
117	54 14	NNA	NNA	4	24.0	-1.0	
118	54 14	NNA	NNA	4	24.0	-1.0	
119	54 14	NNA	NNA	4	24.0	-1.0	
120	54 14	NNA	NNA	4	24.0	-1.0	

## EFFECTS OF CLOUDS ON THERMALS 1970

24

	VERT RAD	NET RAD	TOT RAD
1	0	-5	20
2	0	-6	19
3	0	-6	20
4	0	-5	20
5	0	-5	20
6	0	-5	20
7	0	-5	21
8	2	-4	23
9	10	-1	30
10	22	6	42
11	33	12	51
12	34	16	55
13	37	15	55
14	31	12	49
15	21	5	36
16	12	0	30
17	2	-6	21
18	0	-6	19
19	0	-6	20
20	0	-6	19
21	0	-6	19
22	0	-6	19
23	0	-6	19
24	0	-6	18
TOT	204	-26	656
Avg			
Max			
Min			

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29

HOURLY	PRECIP	STA	PRES	TEND	HUMID	PT	DIRECT	SPECI	TEMP	SNOW/SOIL	NETTA T
1	0.	1017.3	22	50	7	NNA	N	N	26.2	• 4	• 4
2	0.	1017.5	21	51	5	N	N	N	25.1	• 4	• 4
3	0.	1017.3	21	54	7	NNA	N	N	26.2	1.7	1.7
4	0.	1017.4	20	55	6	N	N	N	26.1	1.1	1.1
5	0.	1017.3	20	57	7	N	N	N	26.2	1.6	1.6
6	0.	1017.6	19	58	6	NNA	N	N	26.9	0	0
7	0.	1018.3	20	60	9	N	N	N	24.6	1.2	1.2
8	0.	1018.1	23	61	12	N	N	N	25.7	-5	-5
9	0.	1018.6	24	55	12	N	N	N	29.6	1.3	1.3
10	0.	1018.9	24	49	11	NNA	N	N	32.2	-2	-2
11	0.	1018.4	36	44	11	N	N	N	35.9	-2	-2
12	0.	1017.3	31	42	10	N	N	N	40.6	-2	-2
13	0.	1016.5	32	41	11	NNA	N	N	41.3	-2.5	-2.5
14	0.	1016.2	33	41	11	N	N	N	36.2	-1.0	-1.0
15	0.	1015.9	33	40	11	NNA	N	N	34.3	-1.4	-1.4
16	0.	1015.7	31	41	12	NNA	N	N	37.1	-0	-0
17	0.	1015.9	28	45	9	NNA	N	N	27.6	1.2	1.2
18	0.	1015.9	25	48	8	NNA	N	N	26.5	0.0	0.0
19	0.	1016.2	21	57	8	N	N	N	25.1	2.4	2.4
20	0.	1016.4	19	62	9	NNA	N	N	23.9	4.2	4.2
21	0.	1016.3	20	63	11	N	N	N	23.6	4.2	4.2
22	0.	1016.3	20	65	10	N	N	N	24.0	3.7	3.7
23	0.	1016.3	19	65	10	N	N	N	24.4	3.0	3.0
24	0.	1016.3	19	65	9	N	N	N	24.8	2.5	2.5
TOT	0.00	1017.0	24	52	0	N	N	N	24.5	7	7
Avg		1018.9	33	46	12				41.3	6.3	6.3
Max		1018.9	33	46	5				23.6	-2.5	-2.5
Min		1015.7	19	40	0						

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## EUGENIOO URGEMATR 1970

24

	VENT	NET	TOT	
HOUR	RAD	RAD	RAD	
1	0	-6	19	
2	0	-6	19	
3	0	-6	14	
4	0	-6	19	
5	0	-5	19	
6	0	-5	19	
7	0	-6	14	
8	2	-4	21	
9	12	0	30	
10	23	7	42	
11	36	13	51	
12	38	16	58	
13	38	16	57	
14	33	14	57	
15	24	8	43	
16	12	0	31	
17	2	-5	21	
18	0	-5	19	
19	0	-4	20	
20	0	-4	19	
21	0	-4	19	
22	0	-5	19	
23	0	-5	19	
24	0	-5	19	
TOT	218	-7	671	
AVE				
MAX				
MIN				

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	STA	PRECIP	PRESS	TEMP	HUMID PT	WIND DIR	WIND SPEED	DEW - INCH	INCH - SNOW/SNOL.	TEMP - SNOW/SNOL.	WIND DIRECTION	WIND SPEED
1	0.	1016.4	19	64	9	N	1	25.4	2.6			
2	0.	1016.4	19	63	N	NNN	1	26.6	1.0			
3	0.	1017.3	17	66	7	NNN	1	26.7	1.1			
4	0.	1017.3	15	64	5	NNN	2	24.6	2.6			
5	0.	1017.4	15	76	9	NNN	2	26.7	5.2			
6	0.	1017.5	14	62	10	NNN	1	23.9	5.1			
7	0.	1018.6	20	81	15	NNN	1	23.8	2.5			
8	0.	1018.9	23	83	19	NNN	1	25.5	2			
9	0.	1019.5	26	65	16	N	1	28.6	-1.5			
10	0.	1020.1	29	57	15	NNN	1	30.0	-1.7			
11	0.	1019.6	29	51	14	NNN	1	34.6	-2.2			
12	0.	1019.2	31	45	12	NN	1	38.5	-2.1			
13	0.	1018.4	32	41	11	NN	1	40.7	-2.0			
14	0.	1017.6	33	38	11	NNN	1	39.4	-1.9			
15	0.	1017.6	34	37	11	NNN	1	36.9	-1.6			
16	0.	1018.3	33	37	9	NNN	1	30.4	-1.0			
17	0.	1018.5	29	39	7	NN	1	27.0	1.2			
18	0.	1018.8	26	42	9	NNN	1	23.6	5.2			
19	0.	1018.7	18	56	5	NNN	1	22.8	3.4			
20	0.	1019.9	19	67	10	NNN	1	23.5	6.2			
21	0.	1020.5	22	73	14	NN	1	23.4	7.4			
22	0.	1020.7	22	63	12	*	1	25.3	1.6			
23	0.	1020.9	22	59	10	NNN	1	25.7	1.0			
24	0.	1019.9	22	59	10	NNN	2	26.1	1.0			
TOT	0.00							72				
Avg	1018.7			59	10	NNN	3	28.0	1.5			
MAX	1020.9			84	19	NN	10	49.7	7.4			
MIN	1016.4			37	6	NNN	0	22.8	-2.2			

36

	WEHT	NET	TOT	
HOUR	RAD	RAD	RAD	
1	0	-5	19	
2	0	-5	19	
3	0	-6	19	
4	0	-6	19	
5	0	-4	19	
6	0	-4	19	
7	0	-5	19	
8	3	-4	21	
9	12	0	31	
10	24	8	44	
11	35	14	54	
12	40	17	58	
13	40	17	59	
14	35	15	54	
15	25	8	45	
16	13	0	32	
17	2	-5	22	
18	0	-5	19	
19	0	-5	21	
20	0	-4	20	
21	0	-4	20	
22	0	-4	21	
23	0	-4	21	
24	0	-4	21	
TOT	229	5	696	
Avg				
Max				
Min				

	STA HOUR	PRECIP PRESS	TEMP	HUMID PT	Dew - wind dirrect	Wind speed	Snow/Soil	Temp	Relat. t
	0.	1019.9	23	59	11	NW	1	26.5	1.0
1	2	0.0	1021.0	22	59	16	NE	2	26.9
2	3	0.0	1020.6	22	59	16	NE	2	27.4
3	4	0.0	1020.6	23	60	11	NNE	2	27.9
4	5	0.0	1020.1	22	58	9	NE	2	28.1
5	6	0.0	1019.8	22	60	10	NE	2	28.3
6	7	0.0	1020.0	22	59	10	NE	1	27.8
7	8	0.0	1020.8	23	60	11	C	28.0	0.1
8	9	0.0	1020.4	25	56	21	NNE	1	30.8
9	10	0.0	1020.3	27	48	10	NNE	3	33.7
10	11	0.0	1019.3	28	45	10	ENE	3	37.7
11	12	0.0	1017.8	30	43	10	E	3	43.3
12	13	0.0	1015.3	31	42	11	E	5	42.0
13	14	0.0	1014.8	30	44	11	ESE	3	36.5
14	15	0.0	1014.8	31	45	12	ESE	3	37.3
15	16	0.0	1014.5	30	46	11	N	1	39.5
16	17	T	1014.4	30	56	16	NW	3	30.5
17	18	•01	1012.6	28	82	23	NNE	7	30.2
18	19	T	1011.7	29	78	23	NW	7	30.2
19	20	•01	1010.2	26	97	26	NE	4	30.3
20	21	•07	1009.3	27	97	26	ENE	11	30.8
21	22	•09	1006.8	28	97	27	NE	12	30.9
22	23	•03	1004.6	28	97	27	ESE	13	30.9
23	24	•02	1002.3	27	97	26	ESE	20	31.3
24								117	
	Total		•23	1015.5	26	64	15	NW	5
	Avg			1021.0	31	97	27		31.4
	Max			1002.3	22	42	9	20	43.3
	Min							0	26.5

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## EUGEWOOD OCTOBER 1970

31

	HOURLY	VERT RAD	NET RAD	TOT RAD
1	0	-3	22	
2	0	-3	22	
3	0	-2	23	
4	0	-1	24	
5	0	-1	25	
6	0	-2	24	
7	0	-2	24	
8	1	-1	26	
9	5	1	29	
10	14	6	37	
11	32	15	52	
12	31	14	54	
13	35	16	55	
14	19	10	44	
15	6	3	32	
16	1	1	24	
17	0	0	27	
18	0	0	26	
19	0	0	27	
20	0	0	28	
21	0	0	28	
22	0	-1	26	
23	0	-1	24	
24	0	-1	24	
TOT	144	48	731	
Ave				
Max				
Min				

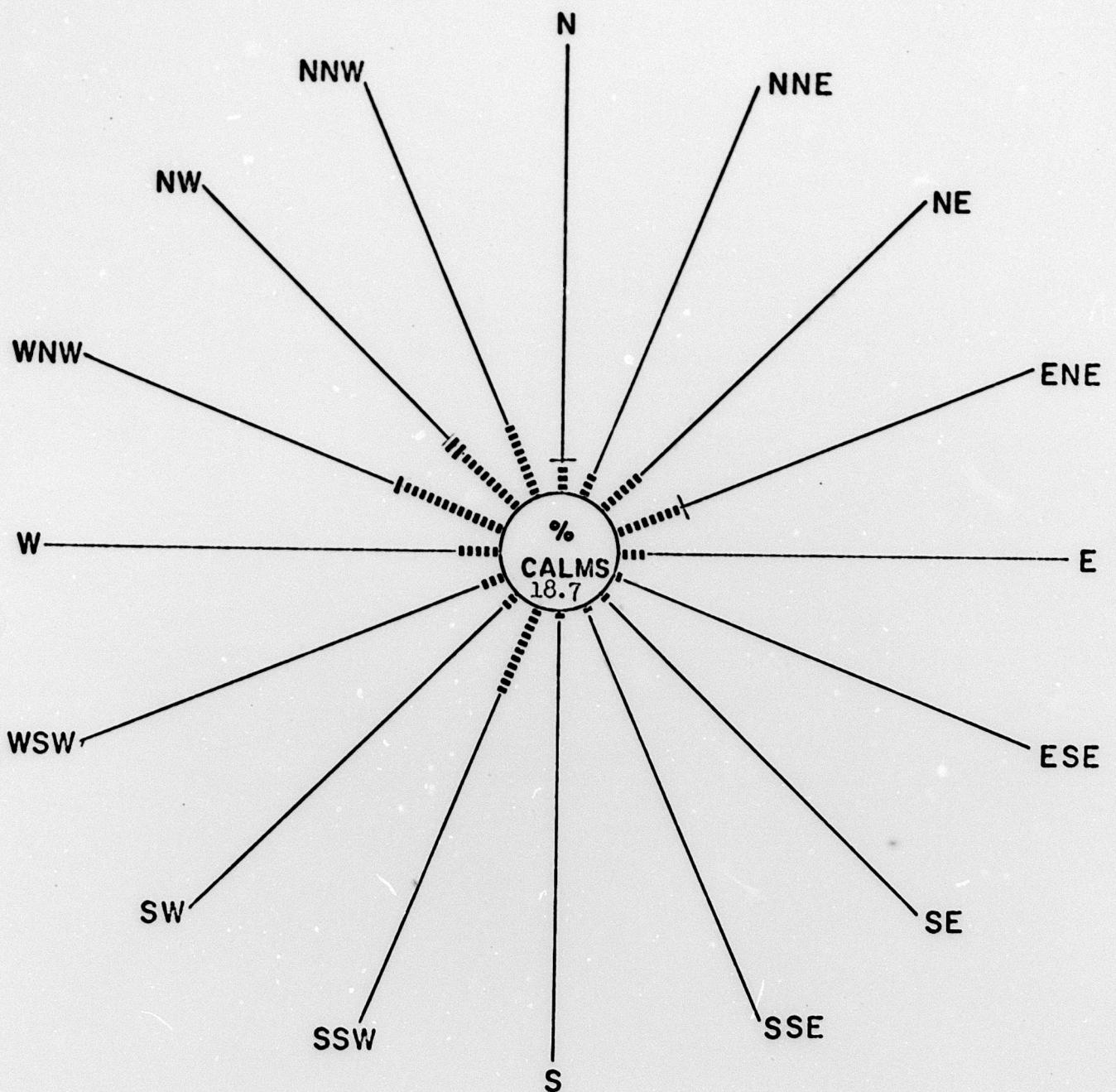
WIND ROSE  
EDGEWOOD DECEMBER 1970

DIR	HOURLY OBSERVATIONS OF WIND SPEEDS						TOT	AVG SPD
	8--12	13--18	19--24	25--31	32--38	39--46		
N	FREQ	9	10	0	1	0	0	0
	PCT	1.21	1.34	0.00	0.13	0.00	0.00	0.00
NNNE	FREQ	18	8	0	0	0	0.00	2.69
	PCT	2.42	1.08	0.00	0.00	0.00	0.00	0
NE	FREQ	27	16	1	0	0	0.00	3.49
	PCT	3.63	2.15	0.13	0.00	0.00	0.00	4.4
ENE	FREQ	28	25	7	1	1	0.00	5.91
	PCT	3.76	3.36	.94	.13	0.00	0.00	6.2
E	FREQ	9	9	7	0	0	0.00	8.33
	PCT	1.21	1.21	.94	0.00	0.00	0.00	8.33
ESE	FREQ	5	1	0	0	0	0.00	0
	PCT	.67	.13	0.00	0.00	0.00	0.00	0
SE	FREQ	4	0	0	0	0	0.00	0
	PCT	.54	0.00	0.00	0.00	0.00	0.00	0
SSE	FREQ	3	1	0	0	0	0.00	0
	PCT	.40	.13	0.00	0.00	0.00	0.00	0
S	FREQ	4	5	0	0	0	0.00	0
	PCT	.54	.67	0.00	0.00	0.00	0.00	0
SSW	FREQ	29	43	7	9	0	0.00	1.21
	PCT	3.90	5.74	.94	0.00	0.00	0.00	0
SW	FREQ	13	4	0	0	0	0.00	0
	PCT	1.75	.54	0.00	0.00	0.00	0.00	0
WSW	FREQ	18	5	0	0	0	0.00	0
	PCT	2.42	.67	0.00	0.00	0.00	0.00	0
W	FREQ	16	19	2	1	0	0.00	0
	PCT	2.15	2.55	.27	.13	0.00	0.00	0
NNW	FREQ	20	27	44	9	1	0.00	0.00
	PCT	2.69	3.63	5.91	1.21	0.00	0.00	0
NW	FREQ	11	21	33	15	3	0.00	0
	PCT	1.48	2.82	4.44	2.02	.40	0.00	0
NNW	FREQ	18	27	19	0	0	0.00	0
	PCT	2.42	3.63	2.55	0.00	0.00	0.00	0
TOT	FREQ	232	221	120	27	5	0	0
	PCT	31.18	29.70	16.13	3.63	.67	0.00	0
CALM	FREQ	139	PCT	18.64			MISSING FREQ	0
							PCT	0.00

EDGEGOOD

WIND ROSE

DECEMBER 1970



- 0 - % OF DATA MISSING

LEGEND: EACH BLIP EQUALS ONE PERCENT  
OF DIRECTION FREQUENCY.

1 TO 12 MPH 00000000

13 TO 31 MPH 00000000

32 AND OVER 11111111

EDGEGOOD DECEMBER 1970  
HOURLY AVERAGES FOR THE MONTH

	STA	TEMP	HUMID PT	WIND DIRECTION	WIND SPEED	SNOW/SOIL TEMP	DELTAT
HOURLY	PRECIP	PRESS					
1	T	1016.3	33	80	27	NNE	4
2	T	1016.4	33	80	27	ENE	4
3	T	1016.5	33	80	27	NNW	4
4	T	1016.4	33	81	27	NNW	3
5	T	1016.6	33	80	27	"	3
6	T	1016.8	32	81	26	NE	3
7	T	1017.3	33	80	27	ENE	3
8	*01	1017.8	34	79	27	ENE	3
9	*01	1018.0	36	70	26	"	4
10	T	1018.2	38	64	26	NN	5
11	T	1017.9	39	60	26	SSW	6
12	T	1017.0	40	58	26	NN	6
13	T	1016.3	41	58	26	SSW	7
14	T	1016.0	41	59	27	NNW	6
15	T	1015.9	41	59	27	SSW	6
16	T	1015.9	40	63	27	SSW	6
17	T	1015.9	38	67	27	NNW	5
18	T	1015.9	36	70	26	NNW	4
19	T	1016.3	36	74	27	NNW	4
20	T	1016.3	35	77	28	NNW	4
21	*01	1016.4	35	77	27	NNW	4
22	*02	1016.3	34	77	27	NE	4
23	*01	1016.2	34	79	27	NNW	4
24	T	1015.9	33	81	27	NNW	4

EUGEWOOD DECEMBER 1970  
HOURLY AVERAGES FOR THE MONTH

HOUR	VERT	NET	TOT	RAD	RAD
1	2	-3	24	24	
2	3	-3	24	24	
3	4	-3	24	24	
4	5	-3	23	23	
5	6	-3	24	24	
6	7	-3	24	24	
7	8	1	25	25	
8	9	-2	25	25	
9	10	1	31	31	
10	11	16	5	39	
11	12	24	9	46	
12	13	27	11	49	
13	14	26	11	48	
14	15	20	7	43	
15	16	16	4	39	
16	17	8	-1	31	
17	18	1	-4	24	
18	19	-4	-4	23	
19	20	-3	24	24	
20	21	-3	23	23	
21	22	-3	24	24	
22	23	-3	24	24	
23	24	-3	24	24	
24					

EDGEWOOD DECEMBER 1970  
MONTHLY CLIMATOLOGICAL SUMMARY

	STA	PRECIP	PRESS	TEMP	HUMID PT	DEW - WIND	WIND - SNOW/SOIL	TEMP	DELTA T
TOT	3.26								
AVE	1016.6	36	72	27	WWW	4°	36.7	.6	
MAX	1021.0	43	93	35	WWW	21	44.8	4.5	
AVE MTN	1010.8	27	53	19			39.7	-1.8	

AVE MAX WIND SPEED AND DIRECTION IS ACTUAL MAXIMUM SPEED AND CONCURRENT DIRECTION  
 THE MAXIMUM SPEED OCCURRED 1 TIME  
 DELTA T EXTREME INVERSION WAS 8.8  
 DELTA T EXTREME LAPSE WAS -3.6

EUGENEOUD DECEMBER 1970  
MONTHLY CLIMATOLOGICAL SUMMARY

	VERT	NET	TOT
	RAD	RAD	RAD
TOT	146	-5	707
AVE			
AVE MAX			
AVE MIN			

TOT IS AVERAGE FOR THE MONTH