

ATOMICS INTERNATIONAL
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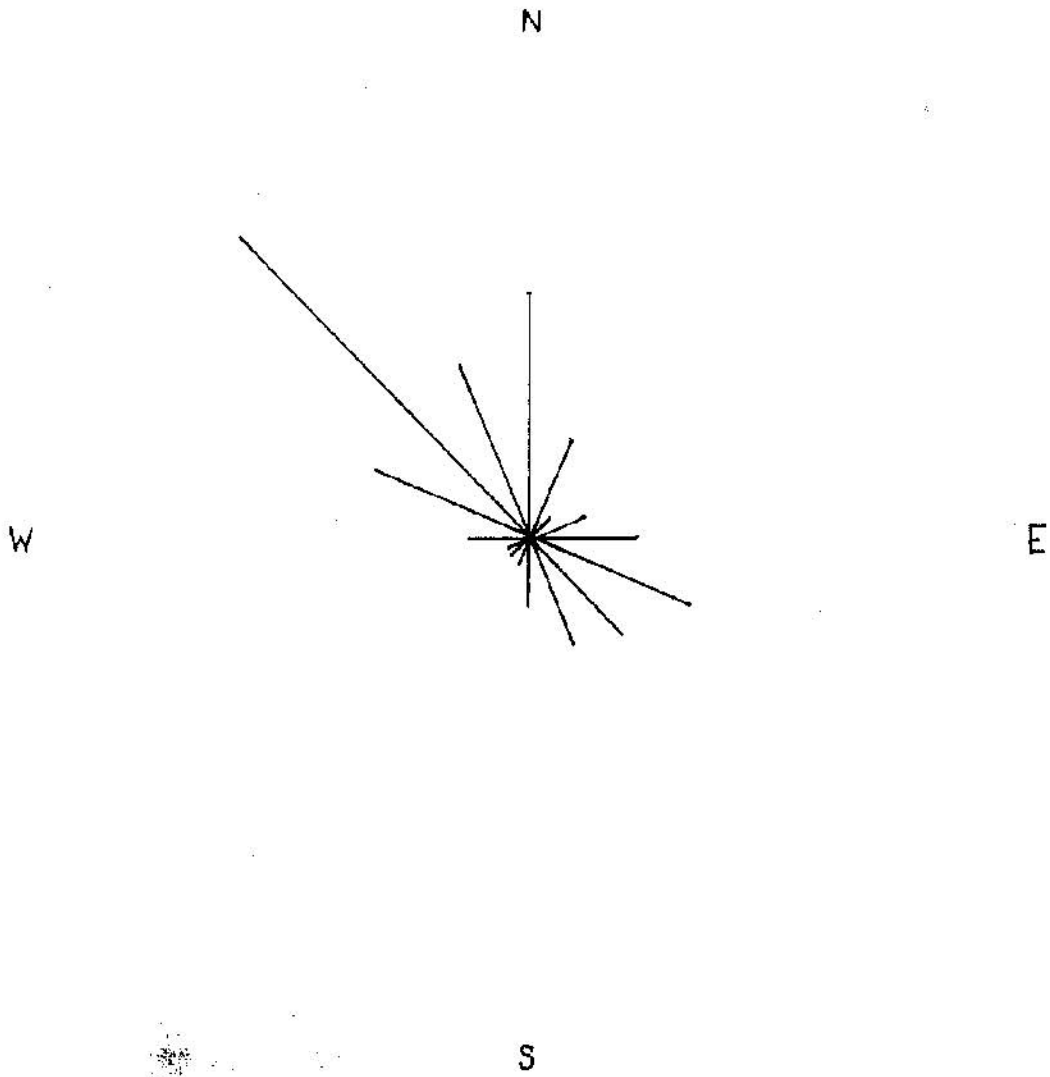
TO: Those Listed ADDRESS:
FROM: J. N. Roth ADDRESS: 796-62
PHONE: 407 DATA: December 3, 1957
SUBJECT: Summary of Climatic Conditions at the SRE Site for the month of
June, 1957.

This summary includes wind, temperature, and precipitation data collected at the SRE Site during June, 1957. The temperature and precipitation data were obtained from instruments at the elevation of the reactor floor. The wind rose data was determined from observations taken at an elevation of about 2000 feet, or about 150 feet above the reactor floor. The percent of time during which the wind blew from each of 16 directions is shown graphically on the wind rose. These percentages were based upon the total number of observations made during the month.

J. N. Roth
J. N. Roth
Health Physics Unit

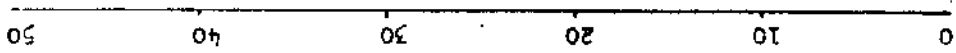
JNR:eb
cc: W. L. Fisher (5)
L. A. Gerber
J. G. Lang
A. A. Jarrett
I. S. Watkins

WIND ROSE
SRE
JUNE, 1957



% Scale



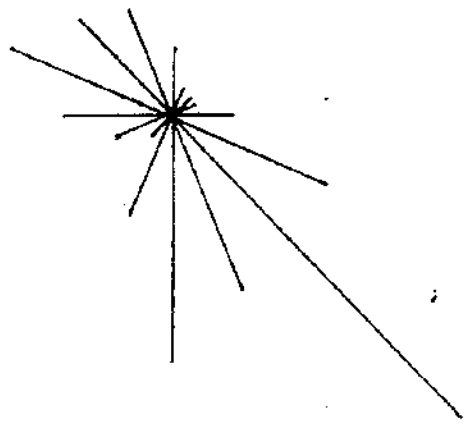


% Scale

S



E



M

N

WIND ROSE
SRE
JUNE, 1957

N	NE	E	SE	SSW	SW	WSW	W	WNW	NNW	Cal	Time
											6-7
											7-8
											8-9
											11-12
											12-1
											1-2
											2-3
											3-4
											4-5
											5-6
											6-7
											7-8
											8-9
											9-10
											10-11
											11-12
											12-1
											1-2

6/3-57
7/1-57

✓

III

N	WNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NO	NNW	W	Time
								✓									2-3
					✓		✓	✓									3-4
					✓												4-5
					✓												5-6
					✓												6-7
					✓												7-8
					✓												8-9
					✓												9-10
					✓												10-11
					✓												11-12
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					✓												10-11
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					✓												9-10
					✓												10-11
					✓												11-12
					✓												12-1

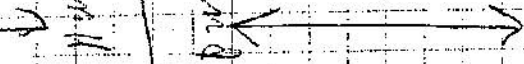
6/7

N	NE	E	ESE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Calm	Time
				✓	✓				✓					10-11
			✓	✓					✓					11-12
			✓	✓					✓					12-1
														1-2
														2-3
														3-4
														4-5
														5-6
														6-7
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														9-10
														10-11
														11-12
														12-1
														1-2
														2-3
														3-4
														4-5
														5-6

4/9
 $\sqrt{64}$

Wind Speeds

N	NE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NNW	N	Wind	Speeds	Time
✓	✓													6-7	0-3	calm
✓	✓													7-8	4-15	1
✓	✓													8-9	16-31	2
✓	✓													9-10	32+	3
														10-11	8-10	
														11-12	15-20	midnight
														12-1	20-25	6/3
														1-2		
														2-3		
														3-4		
														4-5		
														5-6		
														6-7		
														7-8		
														8-9		
														9-10		
														10-11		
														11-12		
														12-1		
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														11-12		
														1-2		



19
AM

Wind	Time	W	WNW	W	WSW	S	SSW	SW	SSW	SSE	ESE	E	ENE	NE	ENE	E	SE	SSW	W	NNW	WNW	Time	Notes	
1-2																						1-2	Area	
2-3																							2-3	Com. S. Calicut
3-4																							3-4	4-5-6-7-8
4-5																							4-5	4-5-6-7-8
5-6																							5-6	4-5-6-7-8
6-7																							6-7	4-5-6-7-8
7-8																							7-8	4-5-6-7-8
8-9																							8-9	4-5-6-7-8
9-10																							9-10	Area
10-11																							10-11	Area
11-12																							11-12	Area
12-1																							12-1	Area
1-2																							1-2	Area
2-3																							2-3	Area
3-4																							3-4	Area
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10-11																							10-11	Area
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12-1																							12-1	Area
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9-10																							9-10	Area
10-11																							10-11	Area
11-12																							11-12	Area
12-1																							12-1	Area

3

Area 6/10

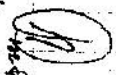
Area 11/12

SEEDS		PENDING		CALM		TIME		MEM										
N	NE	E	ENE	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	W	Time	MEM	
																0	10-11	
																1	11-12	noon
																0	12-1	3-5 PM
																1	1-2	4-5 PM
																1	2-3	6-7 PM
																1	3-4	8-9 PM
																1	4-5	10-11 PM
																0	9-10	
																1	10-11	
																1	11-12	
																1	12-1	noon
																1	1-2	
																1	2-3	
																1	3-4	
																1	4-5	
																1	5-6	

midnight
Am

Am

noon



Time	Wind Speed	Wind Dir	Temp	Humidity	Pressure	Clouds	Visibility	Remarks
6-7	0-3	0-30	1	0	0	0	0	
7-8	4-15	1	0	0	0	0	0	
8-9	16-31	-2	0	0	0	0	0	
9-10	32-4	-3	0	0	0	0	0	
10-11			0	0	0	0	0	
11-12		midnight	0	0	0	0	0	
12-1		AM	0	0	0	0	0	
1-2			0	0	0	0	0	
2-3			0	0	0	0	0	
3-4			0	0	0	0	0	
4-5			0	0	0	0	0	
5-6			0	0	0	0	0	
6-7			0	0	0	0	0	
7-8			0	0	0	0	0	
8-9			0	0	0	0	0	
9-10			0	0	0	0	0	
10-11			0	0	0	0	0	
11-12			0	0	0	0	0	
12-1		AM	0	0	0	0	0	
1-2		PM	0	0	0	0	0	
2-3			0	0	0	0	0	
3-4			0	0	0	0	0	
4-5			0	0	0	0	0	
5-6			0	0	0	0	0	
6-7			0	0	0	0	0	
7-8			0	0	0	0	0	
8-9			0	0	0	0	0	
9-10			0	0	0	0	0	
10-11			0	0	0	0	0	
11-12			0	0	0	0	0	
12-1			0	0	0	0	0	
1-2			0	0	0	0	0	
2-3			0	0	0	0	0	
3-4			0	0	0	0	0	
4-5			0	0	0	0	0	
5-6			0	0	0	0	0	
6-7			0	0	0	0	0	
7-8			0	0	0	0	0	
8-9			0	0	0	0	0	
9-10			0	0	0	0	0	
10-11			0	0	0	0	0	
11-12			0	0	0	0	0	
12-1			0	0	0	0	0	
1-2			0	0	0	0	0	

5

300000
0.010
0.010

Direction	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	
N																																	
NNE																																	
ENE																																	
E																																	
ESE																																	
SSE																																	
S																																	
SSW																																	
SW																																	
WSW																																	
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NNW																																	
Storm Time	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	0	0	0	0	0	0	1	0
Day	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	
Time	Am									Am	noon	pm											pm	mid-nite	Am								

6

TIME	CRIM	MMW	NW	WNW	W	WSW	SW	SSW	S	SSE	SE	ESE	E	ENE	NE	NNE	N
9-10 AM	0	0	↓			↓											↓
10-11	0	↓	↓														↓
11-12 noon	1	↓	↓														↓
12-1 pm	1	↓	↓														↓
1-2	1	↓	↓														↓
2-3	1	↓	↓														↓
3-4	1	↓	↓														↓
4-5	1	↓	↓														↓
5-6	1	↓	↓														↓
6-7	1	↓	↓														↓
7-8	0	↓	↓														↓
8-9	0	↓	↓														↓
9-10	0	↓	↓														↓
10-11 pm	1	↓	↓														↓
11-12 midnight	2	↓	↓														↓
12-1 AM	2	↓	↓														↓
1-2	1	↓	↓														↓
2-3	1	↓	↓														↓
3-4	2	↓	↓														↓
4-5	1	↓	↓														↓
5-6	1	↓	↓														↓
6-7	1	↓	↓														↓
7-8	0	↓	↓														↓
8-9	0	↓	↓														↓
9-10	0	↓	↓														↓
10-11 AM	0	↓	↓														↓
11-12 AM	1	↓	↓														↓
12-1 PM	1	↓	↓														↓
1-2	1	↓	↓														↓
2-3	1	↓	↓														↓
3-4	1	↓	↓														↓
4-5	1	↓	↓														↓

①

Moan

Time	GNM	NPNW	NW	WNW	W	WSW	SW	SSW	S	SSE	SE	ESE	E	ENE	NE	NNE	N
5-6 pm	1		✓		✓												
6-7	1																
7-8	1																
8-9	0												✓				
9-10	0											✓	✓				
10-11	1												✓				
11-12 pm	0												✓				
12-1 Am	0												✓				
1-2	1																
2-3	1																
3-4	1																
4-5	1																
5-6	1																
6-7	0																
7-8	1		✓														
8-9	1																
9-10	1																
10-11	1																
11-12 Am	2																
12-1 pm	2																
1-2	2																
2-3	1																
3-4	1																
4-5	1																
5-6	1																
6-7	1																
7-8	1		✓														
8-9	1																
9-10	1																
10-11	0																
11-12 P	1																
12-1 Am	1																

8

midnight

midnight

Time	Area	CA	NW	NW	WNW	W	WSW	SW	SSW	S	SSW	SE	ESE	E	ENE	NE	NNE	N
1-2	Area	1																1
2-3		1																1
3-4		1																1
4-5		1																1
5-6		1																1
6-7		1																1
7-8		1																1
8-9		1																1
9-10		1																1
10-11		1																1
11-12	Area	1																1
12-1	Area	1																1
1-2		1																1
2-3		1																1
3-4		1																1
4-5		1																1
5-6		1																1
6-7		1																1
7-8		1																1
8-9		1																1
9-10		1																1
10-11		1																1
11-12	Area	1																1
12-1	Area	1																1
1-2		1																1
2-3		1																1
3-4		1																1
4-5		1																1
5-6		1																1
6-7		1																1
7-8		1																1
8-9		1																1

Area

Area

Area

Handwritten weather log table with columns for wind direction (N, NNE, NE, ENE, E, ESE, SE, SSE, S, SSW, SW, WSW, W, WNW, NNW, C) and time (9-10 AM, 10-11, 11-12 Noon, 12-1 PM, 1-2 PM, 2-3, 3-4, 4-5, 5-6, 6-7, 7-8, 8-9, 9-10, 10-11, 11-12 PM, 12-1 AM, 1-2 AM, 2-3, 3-4, 4-5, 5-6, 6-7, 7-8, 8-9, 9-10, 10-11, 11-12 AM, 12-1 AM, 1-2 AM, 2-3, 3-4, 4-5). The data consists of vertical tick marks indicating wind activity. A circled '10' is present at the top right. A handwritten note 'End of chart' is written near the bottom right.

End of chart

(10)

Wind Name

Wind