


ATOMICS INTERNATIONAL
A DIVISION OF NORTH AMERICAN AVIATION, INC.

INTER-OFFICE LETTERS ONLY

TO: Those Listed ADDRESS:
FROM: J. D. Moore ADDRESS: 796-62
PHONE: 315 DATE: March 27, 1958
SUBJECT: Summary of Climatic Conditions at the
SRE Site for the Month of December 1957

This summary includes temperature and precipitation data obtained from the SRE weather station located at an elevation of approximately 1850 ft above sea level, which is the approximate elevation of the reactor floor. Wind velocity data from observations taken at an elevation of approximately 2000 ft above sea level are shown graphically on a self explanatory wind rose. Velocity percentages from eight directions are based on the total number of observations made during the month.

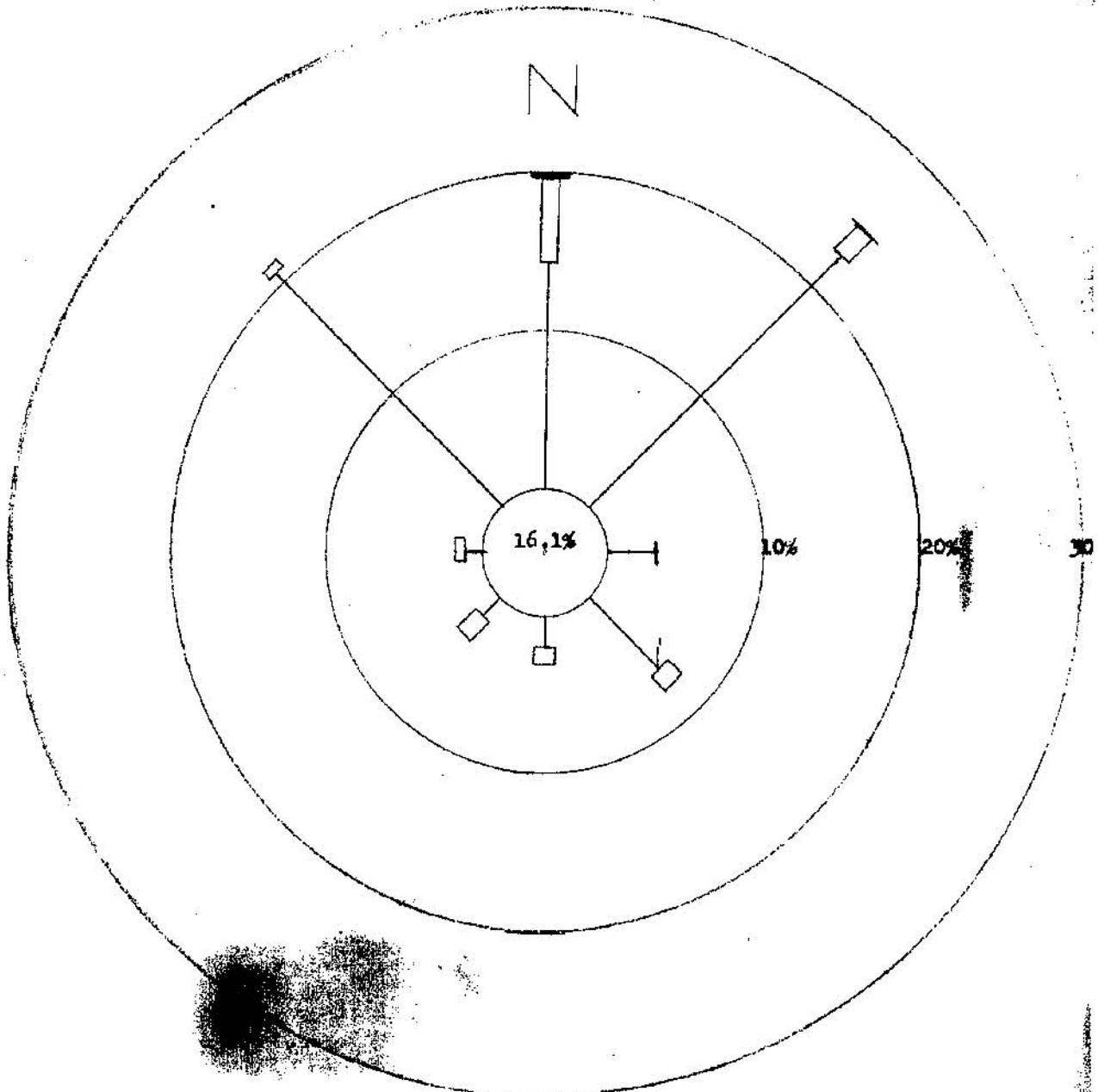
JDM:rb


J. D. Moore
Health Physics

Distribution:

W. J. Fisher
L. A. Gerber
H. G. Henry
A. W. Jarrett
J. C. Lang
I. J. Watkins
R. E. Durand

WIND RECORD
SBS
DECEMBER 1957



% OF CALMS 0-3MPH
3-15 15-31 31+
WINDSPEED IN MILES PER HOUR

N	NE	E	SE	S	SW	W	NW	W _{min}	W _{max}	N	NE	E	SE	S	SW	W	NW	W _{min}	W _{max}	Time	1
1								9.10		2								✓		5	Calms =
1							10.11			1								✓		6	0-3
1							11.12			2								✓		7	1-8-15
1							12.13			1								✓		8	2-16-31
1							13.14			2								✓		9	3-32+
1							14.15			1								✓		10	
1							15.16			2								✓		11	
1							16.17			1								✓		12	
1							17.18			2								✓		13	
1							18.19			1								✓		14	
1							19.20			2								✓		15	
1							20.21			1								✓		16	
1							21.22			2								✓		17	
1							22.23			1								✓		18	
1							23.24			2								✓		19	
1							24.25			1								✓		20	
1							25.26			2								✓		21	
1							26.27			1								✓		22	
1							27.28			2								✓		23	
1							28.29			1								✓		24	
1							29.30			2								✓		25	
1							30.31			1								✓		26	
1							31.32			2								✓		27	
1							32.33			1								✓		28	
1							33.34			2								✓		29	
1							34.35			1								✓		30	
1							35.36			2								✓		31	
1							36.37			1								✓		32	
1							37.38			2								✓		33	
1							38.39			1								✓		34	
1							39.40			2								✓		35	
1							40.41			1								✓		36	
1							41.42			2								✓		37	
1							42.43			1								✓		38	
1							43.44			2								✓		39	
1							44.45			1								✓		40	
1							45.46			2								✓		41	
1							46.47			1								✓		42	
1							47.48			2								✓		43	
1							48.49			1								✓		44	
1							49.50			2								✓		45	

Dec 1957

NE

W	NE	W	NW	Col/row
46	1	1	13	2
1-31 2-15	1-1 1	1-1 1	1-13 13	2-2 2
40 1-22 2-18			6	
86	1	1	19	2

3
5
3
6

78
109 observations

N	NE	E	SE	S	SW	W	NW	Calm
19	6	7	26	11	13	10	16	12 = 120
1-17	1-6	1-7	1-19 with 2-7	1-8 2-3 water	1-3 2-9 3-1	1-3 2-7	1-16	12
2-2								

TOTAL OBS. 120

PAGE #1

Chart Loaded 0140 12-7-57

TOTAL OBS: 105

1-24
2-23
3-1
1-14
2-15
3-2
1-19
2-3

N = 48

NE = 31

NW = 22

Calm = 4

S	11	10	9	8	7	6	5	4	3	2	1	TIME	DATE	TIME
												8:50		
												9:00		
												10:10		
												11:00		
												12:10		
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												2:00		
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												11:00		
												12:00		

No RECORD FROM 0300 TO 0700

No RECORD on COMPASS ROSE FROM 1:00 PM TO 12:13-5

WIND

DIR	OBS	FORK
N	15	1-2-3
NE	9	1-9
E	6	1-6
W	1	1-1
NW	64	1-64
Calan	20	
	<u>115</u>	<u>195</u>

TOTAL OBS

115

V	RE	RE	SE	S	SW	W	SW	SW	N	RE	E	SE	S	S	SW	W	SW	TH	TIME	N	SW	TH	TIME
/	/																		12-1-32				9-9 ³⁰
/	/																		12-1-32				10-1-32
/	/																		12-1-32				11-1-32
/	/																		12-1-32				12-1-32
/	/																		12-1-32				12-1-32
/	/																		12-1-32				12-1-32
/	/																		12-1-32				12-1-32
/	/																		12-1-32				12-1-32
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/	/																		12-1-32				12-1-32
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/	/																		12-1-32				12-1-32
/	/																		12-1-32				12-1-32

No. Broad from
12-17-70

6

45 S 0100
Dip
14-17-70

Dir	OBS	Force
N	1	1-1
NE	37	1-36 2-1
E	11	1-8 2-3
SE	14	1-7 2-7
S	10	1-1 2-9
SW	7	1-1 2-6
NW	13	1-11 2-2
Calm	17	
	<u>110</u>	

TOTAL
OBS 110

S	M	F	SH	S	SW	W	IN	CALM	TIME	H	NE	S	SE	E	SW	W	IN	CALM	TIME	DATE	TIME	
							/	/	1:24		/								9:40		12-17	9:40
							/	/	2:20		/								10:01			10:01
							/	/	3:14		/								11:10			11:10
							/	/	4:40		/								12:10			12:10
							/	/	5:50		/								1-10			1-10
							/	/	6:60		/								2:20			2:20
							/	/	7:70		/								3:30			3:30
							/	/	8:80		/								4:40			4:40
							/	/	9:90		/								5:50			5:50
							/	/	10:10		/								6:60			6:60
							/	/	11:10		/								7:70			7:70
							/	/	12:10		/								8:80			8:80
							/	/	1-10		/								9:90			9:90
							/	/	2:20		/								10:10			10:10
							/	/	3:30		/								11:10			11:10
							/	/	4:40		/								12:10			12:10
							/	/	5:50		/								1-10			1-10
							/	/	6:60		/								2:20			2:20
							/	/	7:70		/								3:30			3:30
							/	/	8:80		/								4:40			4:40
							/	/	9:90		/								5:50			5:50
							/	/	10:10		/								6:60			6:60
							/	/	11:10		/								7:70			7:70
							/	/	12:10		/								8:80			8:80
							/	/	1-10		/								9:90			9:90
							/	/	2:20		/								10:10			10:10
							/	/	3:30		/								11:10			11:10
							/	/	4:40		/								12:10			12:10
							/	/	5:50		/								1-10			1-10
							/	/	6:60		/								2:20			2:20
							/	/	7:70		/								3:30			3:30
							/	/	8:80		/								4:40			4:40

PM 12-17

(9)

N - 9 1-9

NE - 36 1-36

E - 2 1-2

SE - 3 1-3

S - 5 1-5

SW - 9 1-9

W - 6 1-6

NW - 32 1-32

Co-hm - 26

128

TOTAL
128

total
128

N - 5	1-5
NE - 17	1-17
E - 3	1-3
SE - 24	1-24
S - 2	1-2
SW - 3	1-3
NW - 18	1-18

Culm 56

128

Y	NO	Z	SE	G	SN	N	W	CAIN	TIME	N	RE	E	SE	S	IN	N	EM	DATE	TIME	(U)	
	/	/							9:40		/								5-5 ³⁰	12-22-57	
	/	/							10:0 ³⁰		/								1-6 ³⁰		
	/	/							11-11 ³⁰										7-7 ³⁰		
	/	/							12/10 ³⁰										8-8 ³⁰		
	/	/							1-1 ³⁰										9-9 ³⁰		
	/	/							2-2 ³⁰										10/10 ³⁰		
	/	/							3-3 ³⁰		/								11/11 ³⁰		
	/	/							4-4 ³⁰		/								12/12 ³⁰		
	/	/							5-5 ³⁰		/								1-1 ³⁰		
	/	/							6-6 ³⁰		/								3-2 ³⁰		
	/	/							7-7 ³⁰		/								3-3 ³⁰		
	/	/							8-8 ³⁰		/								4-4 ³⁰		
	/	/							9-9 ³⁰		2								5-5 ³⁰		
	/	/							10/10 ³⁰		/								6-6 ³⁰		
	/	/							11/11 ³⁰		2								7-7 ³⁰		
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	/	/							1-1 ³⁰										10/10 ³⁰		
	/	/							2-2 ³⁰		/								11/11 ³⁰		
	/	/							3-3 ³⁰		/								12-12-57		
	/	/							4-4 ³⁰		/								1-1 ³⁰		
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	/	/							1-1 ³⁰		/								10/10 ³⁰		
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	/	/							3-3 ³⁰		1 2								12/12 ³⁰		
	2	2							4-4 ³⁰		/										

Record

DOCS

N-20

1-20

NE-86

1-81
2-5

NW-3

1-3

Carbon

1

110

TOTAL 110

	Y	ME	E	SE	S	SW	W	NW	NE	N	ME	S	E	SE	S	SW	W	NW	NE	DATE	TIME	Start (D)	
																							1 PM 12-20
												/	/										4-4 ³⁰
														/									5-5 ³⁰
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																							1-1 ³⁰
																							2-2 ³⁰
																							3-3 ³⁰

Record

Record

Record

Record

Record

N - 3	1-3
Ne - 4	1-4
E - 8	1-8
Se - 16	1-15 2-1
S - 4	1-4
Sw - 2	1-2
NW - 22	1-22

colun₃ - 32

 91

TOTAL 91

DATE	TIME	NAME	INITIALS	REMARKS
8-8 ³⁰	12-12	/		
9-9 ³⁰	1-12	/		
10-10 ³⁰	2-2	/		
11-11 ³⁰	3-3	/		
12-12 ³⁰	4-4	/		
1-1 ³⁰	5-5	/		
2-2 ³⁰	6-6	/		
3-3 ³⁰	7-7	/		
4-4 ³⁰	8-8	/		
5-5 ³⁰	9-9	/		
6-6 ³⁰	10-10	/		
7-7 ³⁰	11-11	/		
8-8 ³⁰	12-12	/		
9-9 ³⁰	1-1	/		
10-10 ³⁰	2-2	/		
11-11 ³⁰	3-3	/		
12-12 ³⁰	4-4	/		
1-1 ³⁰	5-5	/		
2-2 ³⁰	6-6	/		
3-3 ³⁰	7-7	/		
4-4 ³⁰	8-8	/		
5-5 ³⁰	9-9	/		
6-6 ³⁰	10-10	/		
7-7 ³⁰	11-11	/		
8-8 ³⁰	12-12	/		
9-9 ³⁰	1-1	/		
10-10 ³⁰	2-2	/		
11-11 ³⁰	3-3	/		
12-12 ³⁰	4-4	/		
1-1 ³⁰	5-5	/		
2-2 ³⁰	6-6	/		
3-3 ³⁰	7-7	/		
4-4 ³⁰	8-8	/		
5-5 ³⁰	9-9	/		
6-6 ³⁰	10-10	/		
7-7 ³⁰	11-11	/		
8-8 ³⁰	12-12	/		
9-9 ³⁰	1-1	/		
10-10 ³⁰	2-2	/		
11-11 ³⁰	3-3	/		
12-12 ³⁰	4-4	/		
1-1 ³⁰	5-5	/		
2-2 ³⁰	6-6	/		
3-3 ³⁰	7-7	/		

No Record From 12-30
30 DEC 57
31 DEC 57

No Record From 4 30 PM 12/29
TO 0900 30 DEC

(8)

N- 8 1-8

NE- 27 1-27

NW- 22 1-22

Colan - 7

64

total obs: 64

UP 78 1190 31 Dec 1957

N-5	1-5
Ne-20	1-19
Nw-3	2-1
Cothm-1	1-3
	0
	<u>29</u>

TOTAL 29