


ATOMIC ENERGY INTERNATIONAL
A DIVISION OF NORTH AMERICAN AVIATION, INC.

INTER-OFFICE LETTERS ONLY

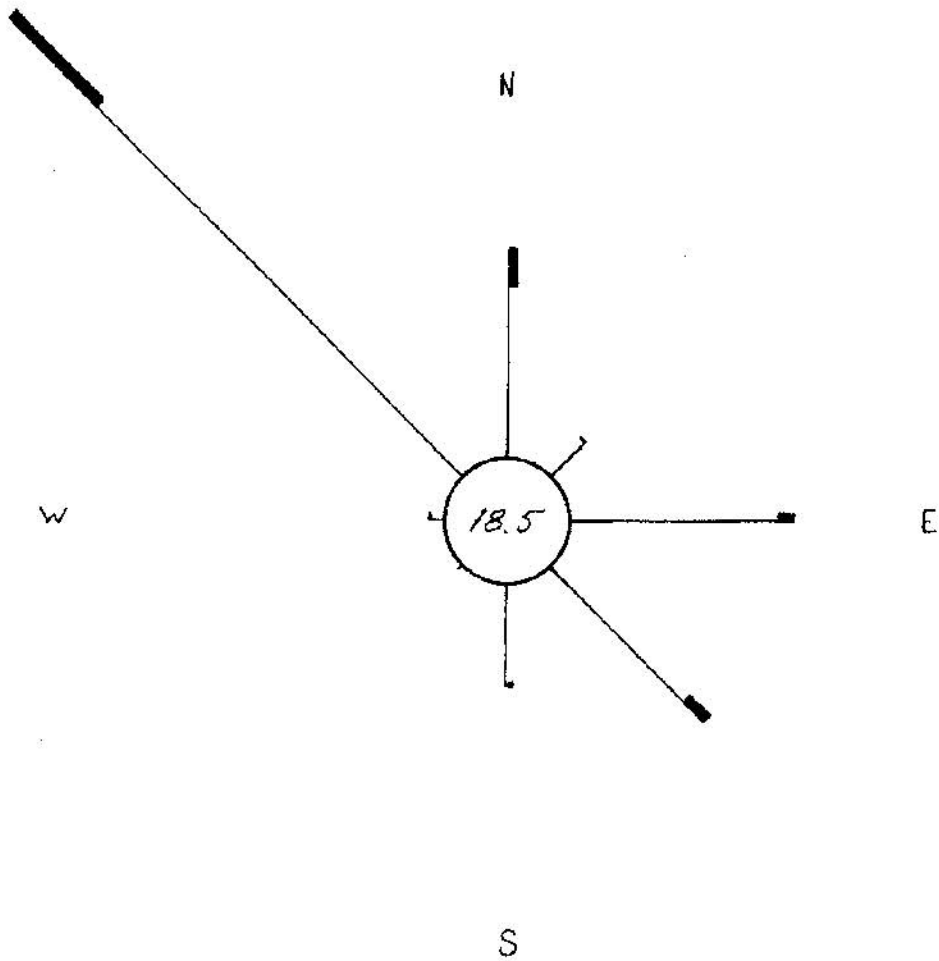
TO: Those Listed ADDRESS:
FROM: J. W. Roth ADDRESS: 795-62
PHONE: 317 DATE: December 3, 1957
SUBJECT: Summary of Climatic conditions at the SRE Site for the month of
July, 1957.

This summary includes wind, temperature, and precipitation data collected at the SRE site during July, 1957. The temperature and precipitation data were obtained from instruments located at an elevation of about 1850 feet, which is the approximate elevation of the reactor floor. The wind data was determined from observations taken at an elevation of about 2000 feet, or approximately 150 feet above the reactor floor, the percent of time during which the wind blew from each of eight directions and with a speed within various intervals is shown graphically on a wind rose. The percent of time during which the wind was calm is entered numerically in the circle at the center of the rose. These percentages are based upon the total number of observations made during the month.


J. W. Roth
Health Physics Unit

HW:cb
cc: W.E. Fisher(5)
L.A. Garber
I.S. Maddins
J.C. Lang
A.A. Jarvett

WIND ROSE - SRE
 July, 1957



18.5

% of calms (0-7 mph)

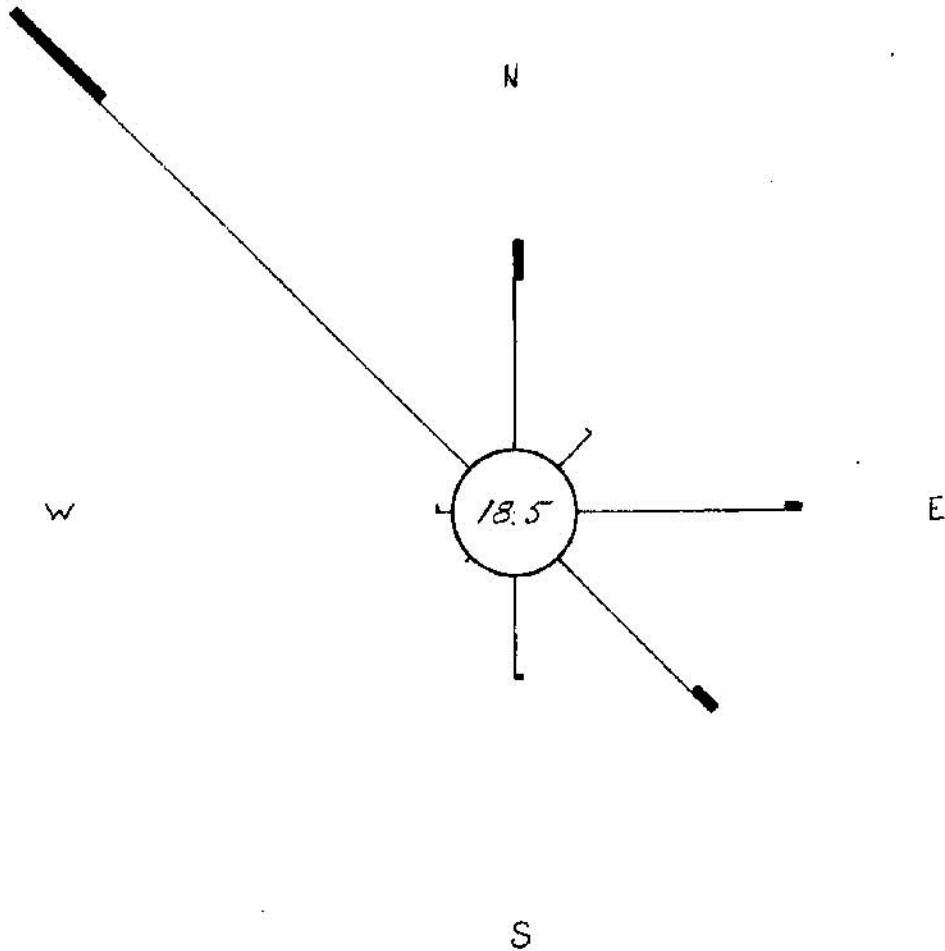
— 10 mph
 — 20 mph

Scale

0 10 20 30 40 50

Measured from circumference of circle

WIND ROSE - 30%
July, 1957



18.5

% of calms (0-1 mph)

— 4 - 15 mph
■ 16 - 31 mph

% scale

0 10 20 30 40 50

Measured from circumference of circle

NE	E	SE	S	SW	W	NW	calm	Time	N	NE	E	SE	S	SW	W	NW	calm	Time
/	/					/		11-12	/							/		7-8
/	/					/		12-1	/							/		8-9
/	/					2		1-2	/							/		9-10
/	/					1		2-3	/							/		10-11
/	/					1		3-4	/							/		11-12
/	/					1		4-5	/							/		12-1
/	/					1		5-6	/							/		1-2
/	/					1		6-7	/							/		2-3
/	/					1		7-8	/							/		3-4
/	/					1		8-9	/							/		4-5
/	/					1		9-10	/							/		5-6
/	/					1		10-11	/							/		6-7
/	/					1		11-12	/							/		7-8
/	/					1		12-1	/							/		8-9
/	/					1		1-2	/							/		9-10
/	/					1		2-3	/							/		10-11
/	/					1		3-4	/							/		11-12
/	/					1		4-5	/							/		12-1
/	/					1		5-6	/							/		1-2
/	/					1		6-7	/							/		2-3
/	/					1		7-8	/							/		3-4
/	/					1		8-9	/							/		4-5
/	/					1		9-10	/							/		5-6
/	/					1		10-11	/							/		6-7
/	/					1		11-12	/							/		7-8
/	/					1		12-1	/							/		8-9
/	/					1		1-2	/							/		9-10
/	/					1		2-3	/							/		10-11
/	/					1		3-4	/							/		11-12
/	/					1		4-5	/							/		12-1
/	/					1		5-6	/							/		1-2
/	/					1		6-7	/							/		2-3

Feb 1957

2.2
2.1

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NE	SE	S	SW	W	NW	Calm	Time	A	NE	E	SE	S	SW	W	NW	Calm	Time	A	NE	E	SE	S	SW	W	NW	Calm	Time
/	/				/		3-4								/												11-12
/	/				/		4-5								2												12-1
/	/				/		5-6								2												1-2
/	/				/		6-7								2												2-3
/	/				/		7-8								2												3-4
/	/				/		8-9								2												4-5
/	/				/		9-10								2												5-6
/	/				/		10-11								2												6-7
/	/				/		11-12								2												7-8
/	/				/		12-1								2												8-9
/	/				/		1-2								2												2-3
/	/				/		2-3								2												3-4
/	/				/		3-4								2												4-5
/	/				/		5-6								2												5-6
/	/				/		6-7								2												6-7
/	/				/		7-8								2												7-8
/	/				/		8-9								2												8-9
/	/				/		9-10								2												9-10
/	/				/		10-11								2												10-11
/	/				/		11-12								2												11-12
/	/				/		12-1								2												12-1
/	/				/		1-2								2												1-2
/	/				/		2-3								2												2-3
/	/				/		3-4								2												3-4
/	/				/		4-5								2												4-5
/	/				/		5-6								2												5-6
/	/				/		6-7								2												6-7
/	/				/		7-8								2												7-8
/	/				/		8-9								2												8-9
/	/				/		9-10								2												9-10
/	/				/		10-11								2												10-11
/	/				/		11-12								2												11-12
/	/				/		12-1								2												12-1
/	/				/		1-2								2												1-2
/	/				/		2-3								2												2-3
/	/				/		3-4								2												3-4
/	/				/		4-5								2												4-5
/	/				/		5-6								2												5-6
/	/				/		6-7								2												6-7
/	/				/		7-8								2												7-8
/	/				/		8-9								2												8-9
/	/				/		9-10								2												9-10
/	/				/		10-11								2												10-11
/	/				/		11-12								2												11-12
/	/				/		12-1								2												12-1
/	/				/		1-2								2												1-2
/	/				/		2-3								2												2-3
/	/				/		3-4								2												3-4
/	/				/		4-5								2												4-5
/	/				/		5-6								2												5-6
/	/				/		6-7								2												6-7
/	/				/		7-8								2												7-8
/	/				/		8-9								2												8-9
/	/				/		9-10								2												9-10
/	/				/		10-11								2												10-11
/	/				/		11-12								2												11-12
/	/				/		12-1								2												12-1
/	/				/		1-2								2												1-2
/	/				/		2-3								2												2-3
/	/				/		3-4								2												3-4
/	/				/		4-5								2												4-5
/	/				/		5-6								2												5-6
/	/				/		6-7								2												6-7
/	/				/		7-8								2												7-8
/	/				/		8-9								2												8-9
/	/				/		9-10								2												9-10
/	/				/		10-11								2												10-11
/	/				/		11-12								2												11-12
/	/				/		12-1								2												12-1
/	/				/		1-2								2												1-2
/	/				/		2-3								2												2-3
/	/				/		3-4								2												3-4
/	/				/		4-5								2												4-5
/	/				/		5-6								2												5-6
/	/				/		6-7								2												6-7
/	/				/		7-8		</																		

N	NE	E	SE	S	SW	W	NW	CEM	Emc	I	NE	E	SE	S	SW	W	NW	CEM	Emc	Wp
									7-8											3-4
									8-9											4-5
									9-10											5-6
									10-11											6-7
									11-12											7-8
									12-1											8-9
									1-2											9-10
									2-3											10-11
									3-4											11-12
									4-5											12-1
									5-6											1-2
									6-7											2-3
									7-8											3-4
									8-9											4-5
									9-10											5-6
									10-11											6-7
									11-12											7-8
									12-1											8-9
									1-2											9-10
									2-3											10-11
									3-4											11-12
									4-5											12-1
									5-6											1-2
									6-7											2-3
									7-8											3-4
									8-9											4-5
									9-10											5-6
									10-11											6-7
									11-12											7-8
									12-1											8-9
									1-2											9-10
									2-3											10-11
									3-4											11-12
									4-5											12-1
									5-6											1-2
									6-7											2-3
									7-8											3-4
									8-9											4-5
									9-10											5-6
									10-11											6-7
									11-12											7-8
									12-1											8-9
									1-2											9-10
									2-3											10-11

3

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N	NE	E	SE	S	SW	W	NW	Cabin	Time	X	AE	E	SE	S	SW	W	NW	Cabin	Time
									11-12										7-8
									12-1			/							8-9
									1-2				/						9-10
									2-3				/						10-11
									3-4				/						11-12
									4-5				/						12-1
									5-6				/						1-2
									6-7				/						2-3
									7-8				/						3-4
									8-9				/						4-5
									9-10				/						5-6
									10-11				/						6-7
									11-12				/						7-8
									12-1				/						8-9
									1-2				/						9-10
									2-3				/						10-11
									3-4				/						11-12
									4-5				/						12-1
									5-6				/						1-2
									6-7				/						2-3

N	NE	E	SE	S	SW	W	All Cbhm	Time	N	NE	E	SE	S	SW	W	NNN	Cbhm	Time
	/	/	/				✓	3-4									✓	11-12
	/	/	/					4-5	/							2		12-1
	/	/	/					5-6								2		1-2
	/	/	/					6-7								1		2-3
	/	/	/					7-8								2		3-4
	/	/	/					8-9								1		4-5
	/	/	/					9-10								1		5-6
	/	/	/					10-11								1		6-7
	/	/	/					11-12	/							1		7-8
	/	/	/				2	12-1	/							1		8-9
	/	/	/				1	1-2	/							1		9-10
	/	/	/				1	2-3	/							1		10-11
	/	/	/				1	3-4	/							1		11-12
	/	/	/				1	4-5	/							1		12-1
	/	/	/				1	5-6	/							1		1-2
	/	/	/				1	6-7	/							1		2-3
	/	/	/				1	7-8	/							1		3-4
	/	/	/				1	8-9	/							1		4-5
	/	/	/				1	9-10	/							1		5-6
	/	/	/				1	10-11	/							1		6-7
	/	/	/				1	11-12	/							1		7-8
	/	/	/				1	12-1	/							1		8-9
	/	/	/				1	1-2	/							1		9-10
	/	/	/				1	2-3	/							1		10-11
	/	/	/				1	3-4	/							1		11-12
	/	/	/				1	4-5	/							1		12-1
	/	/	/				1	5-6	/							1		1-2
	/	/	/				1	6-7	/							1		2-3
	/	/	/				1	7-8	/							1		3-4
	/	/	/				1	8-9	/							1		4-5
	/	/	/				1	9-10	/							1		5-6
	/	/	/				1	10-11	/							1		6-7

③

7

N	NE	E	SE	S	SW	W	NW	Calm	Time	N	NE	E	SE	S	SW	W	NW	Calm	Time	
/	/							✓	11-12	/	/								✓	7-8
/								✓	12-1	/	/								✓	8-9
							2		1-2						/					9-10
							1		2-3						/					10-11
							2		3-4						/					11-12
							2		4-5						/					12-1
							1		5-6						/					1-2
							1		6-7						/					2-3
							1		7-8						/					3-4
							1		8-9						/					4-5
							1		9-10						/					5-6
							1		10-11						/					6-7
							1		11-12						/					7-8
							2		12-1						/					8-9
							1		1-2						/					9-10
							1		2-3						/					10-11
							1		3-4						/					11-12
							1		4-5						/					12-1
							1		5-6						/					1-2
							1		6-7						/					2-3
							1		7-8						/					3-4
							1		8-9						/					4-5
							1		9-10						/					5-6
							1		10-11						/					6-7
							1		11-12						/					7-8
							1		12-1						/					8-9
							2		1-2						/					9-10
							1		2-3						/					10-11
							1		3-4						/					11-12
							1		4-5						/					12-1
							2		5-6						/					1-2
							1		6-7						/					2-3

(10)

N	NE	E	SE	S	SW	W	NW	Calculated	N	NE	E	SE	S	SW	W	NW	Estimated
						2-2	2-2	2-3									10-1
						2-2	2-2	3-4									11-12
						1-1	1-1	4-5									7-8
						1-1	1-1	5-6									7-8
						1-1	1-1	6-7									2-3
						1-1	1-1	7-8									3-4
						1-1	1-1	8-9									4-5
						1-1	1-1	9-10									5-6
						1-1	1-1	10-11									6-7
						1-1	1-1	11-12									7-8
						1-1	1-1	12-1									8-9
						1-1	1-1	1-2									9-10
						1-1	1-1	2-3									10-11
						1-1	1-1	3-4									11-12
						1-1	1-1	4-5									12-1
						1-1	1-1	5-6									1-2
						1-1	1-1	6-7									2-3
						1-1	1-1	7-8									3-4
						1-1	1-1	8-9									4-5
						1-1	1-1	9-10									5-6
						1-1	1-1	10-11									6-7
						1-1	1-1	11-12									7-8
						1-1	1-1	12-1									8-9
						1-1	1-1	1-2									9-10
						1-1	1-1	2-3									10-11
						1-1	1-1	3-4									11-12
						1-1	1-1	4-5									12-1
						1-1	1-1	5-6									1-2
						1-1	1-1	6-7									2-3
						1-1	1-1	7-8									3-4
						1-1	1-1	8-9									4-5
						1-1	1-1	9-10									5-6

✓

✓

✓

N	NE	E	SE	S	SW	W	NW	Cabin	Time	N	NE	E	SE	S	SW	W	NW	Cabin	Time	(11)
								6-7									2		2-3	
								7-8									1		3-4	
								8-9									1		4-5	
								9-10									1		5-6	
								10-11									1		6-7	
								11-12									1		7-8	
								12-1									1		8-9	
								1-2									1		9-10	
								2-3									1		10-11	
								3-4									1		11-12	
								4-5									1		12-1	
								5-6									1		1-2	
								6-7									1		2-3	
								7-8									1		3-4	
								8-9									1		4-5	
								9-10									1		5-6	
								10-11									1		6-7	
								11-12									1		7-8	
								12-1									1		8-9	
								1-2									1		9-10	
								2-3									1		10-11	
								3-4									1		11-12	
								4-5									1		12-1	
								5-6									1		1-2	
								6-7									1		2-3	
								7-8									1		3-4	
								8-9									1		4-5	
								9-10									1		5-6	
								10-11									1		6-7	
								11-12									1		7-8	
								12-1									1		8-9	
								1-2									1		9-10	
								2-3									1		10-11	
								3-4									1		11-12	
								4-5									1		12-1	
								5-6									1		1-2	
								6-7									1		2-3	
								7-8									1		3-4	
								8-9									1		4-5	
								9-10									1		5-6	
								10-11									1		6-7	
								11-12									1		7-8	
								12-1									1		8-9	
								1-2									1		9-10	
								2-3									1		10-11	
								3-4									1		11-12	
								4-5									1		12-1	
								5-6									1		1-2	
								6-7									1		2-3	
								7-8									1		3-4	
								8-9									1		4-5	
								9-10									1		5-6	
								10-11									1		6-7	
								11-12									1		7-8	
								12-1									1		8-9	
								1-2									1		9-10	
								2-3									1		10-11	
								3-4									1		11-12	
								4-5									1		12-1	
								5-6									1		1-2	
								6-7									1		2-3	
								7-8									1		3-4	
								8-9									1		4-5	
								9-10									1		5-6	
								10-11									1		6-7	
								11-12									1		7-8	
								12-1									1		8-9	
								1-2									1		9-10	
								2-3									1		10-11	
								3-4									1		11-12	
								4-5									1		12-1	
								5-6									1		1-2	
								6-7									1		2-3	
								7-8									1		3-4	
								8-9									1		4-5	
								9-10									1		5-6	
								10-11									1		6-7	
								11-12									1		7-8	
								12-1									1		8-9	
								1-2									1		9-10	
								2-3									1		10-11	
								3-4									1		11-12	
								4-5									1		12-1	
								5-6									1		1-2	
								6-7									1		2-3	
								7-8									1		3-4	
								8-9									1		4-5	
								9-10									1		5-6	
								10-11									1		6-7	
								11-12									1		7-8	
								12-1									1		8-9	
								1-2									1		9-10	
								2-3									1		10-11	
								3-4									1		11-12	
								4-5									1		12-1	
								5-6									1		1-2	
								6-7									1		2-3	
								7-8									1		3-4	
								8-9									1		4-5	

(12)

N	NE	E	SE	S	SW	W	NW	Com	Time	N	NE	E	SE	S	SW	W	NW	Com	Time
			1/2					✓	18-1				1/2					✓	18-7
		1/2	2/1						18-2				2/1						18-8
		1/1	2/1						18-3				2/1						18-9
		1/1	2/2						18-4			2/2							18-10
		1/1	1/1						18-5			1/1							18-11
		1/1	1/1						18-6			1/1							18-12
		1/1	1/1						18-7			1/1							18-13
		1/1	1/1						18-8			1/1							18-14
		1/1	1/1						18-9			1/1							18-15
		1/1	1/1						18-10			1/1							18-16
		1/1	1/1						18-11			1/1							18-17
		1/1	1/1						18-12			1/1							18-18
		1/1	1/1						18-13			1/1							18-19
		1/1	1/1						18-14			1/1							18-20
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		1/1	1/1						18-16			1/1							18-22
		1/1	1/1						18-17			1/1							18-23
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		1/1	1/1						18-19			1/1							18-25
		1/1	1/1						18-20			1/1							18-26
		1/1	1/1						18-21			1/1							18-27
		1/1	1/1						18-22			1/1							18-28
		1/1	1/1						18-23			1/1							18-29
		1/1	1/1						18-24			1/1							18-30
		1/1	1/1						18-25			1/1							18-31
		1/1	1/1						18-26			1/1							18-32
		1/1	1/1						18-27			1/1							18-33
		1/1	1/1						18-28			1/1							18-34
		1/1	1/1						18-29			1/1							18-35
		1/1	1/1						18-30			1/1							18-36
		1/1	1/1						18-31			1/1							18-37
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		1/1	1/1						18-33			1/1							18-39
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		1/1	1/1						18-37			1/1							18-43
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		1/1	1/1						18-40			1/1							18-46
		1/1	1/1						18-41			1/1							18-47
		1/1	1/1						18-42			1/1							18-48
		1/1	1/1						18-43			1/1							18-49
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		1/1	1/1						18-45			1/1							18-51
		1/1	1/1						18-46			1/1							18-52
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		1/1	1/1						18-48			1/1							18-54
		1/1	1/1						18-49			1/1							18-55
		1/1	1/1						18-50			1/1							18-56
		1/1	1/1						18-51			1/1							18-57
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		1/1	1/1						18-53			1/1							18-59
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		1/1	1/1						18-55			1/1							18-61
		1/1	1/1						18-56			1/1							18-62
		1/1	1/1						18-57			1/1							18-63
		1/1	1/1						18-58			1/1							18-64
		1/1	1/1						18-59			1/1							18-65
		1/1	1/1						18-60			1/1							18-66
		1/1	1/1						18-61			1/1							18-67
		1/1	1/1						18-62			1/1							18-68
		1/1	1/1						18-63			1/1							18-69
		1/1	1/1						18-64			1/1							18-70
		1/1	1/1						18-65			1/1							18-71
		1/1	1/1						18-66			1/1							18-72
		1/1	1/1						18-67			1/1							18-73
		1/1	1/1						18-68			1/1							18-74
		1/1	1/1						18-69			1/1							18-75
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		1/1	1/1						18-71			1/1							18-77
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		1/1	1/1						18-73			1/1							18-79
		1/1	1/1						18-74			1/1							18-80
		1/1	1/1						18-75			1/1							18-81
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		1/1	1/1						18-77			1/1							18-83
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		1/1	1/1						18-80			1/1							18-86
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		1/1	1/1						18-82			1/1							18-88
		1/1	1/1						18-83			1/1							18-89
		1/1	1/1						18-84			1/1							18-90
		1/1	1/1						18-85			1/1							18-91
		1/1	1/1						18-86			1/1							18-92
		1/1	1/1						18-87			1/1							18-93
		1/1	1/1						18-88			1/1							18-94
		1/1	1/1						18-89			1/1							18-95
		1/1	1/1						18-90			1/1							18-96
		1/1	1/1						18-91			1/1							18-97
		1/1	1/1						18-92			1/1							18-98
		1/1	1/1						18-93			1/1							18-99