

SMEAT	
MEDICAL EXPERIMENTS LOG	
PART NO.	S/N
SKC32100168-608	001

PRE-TEST DATA

RETURN TO:
W. THORNTON/CB

SMEAT
MEDICAL EXPERIMENTS LOG

JUNE 15, 1972

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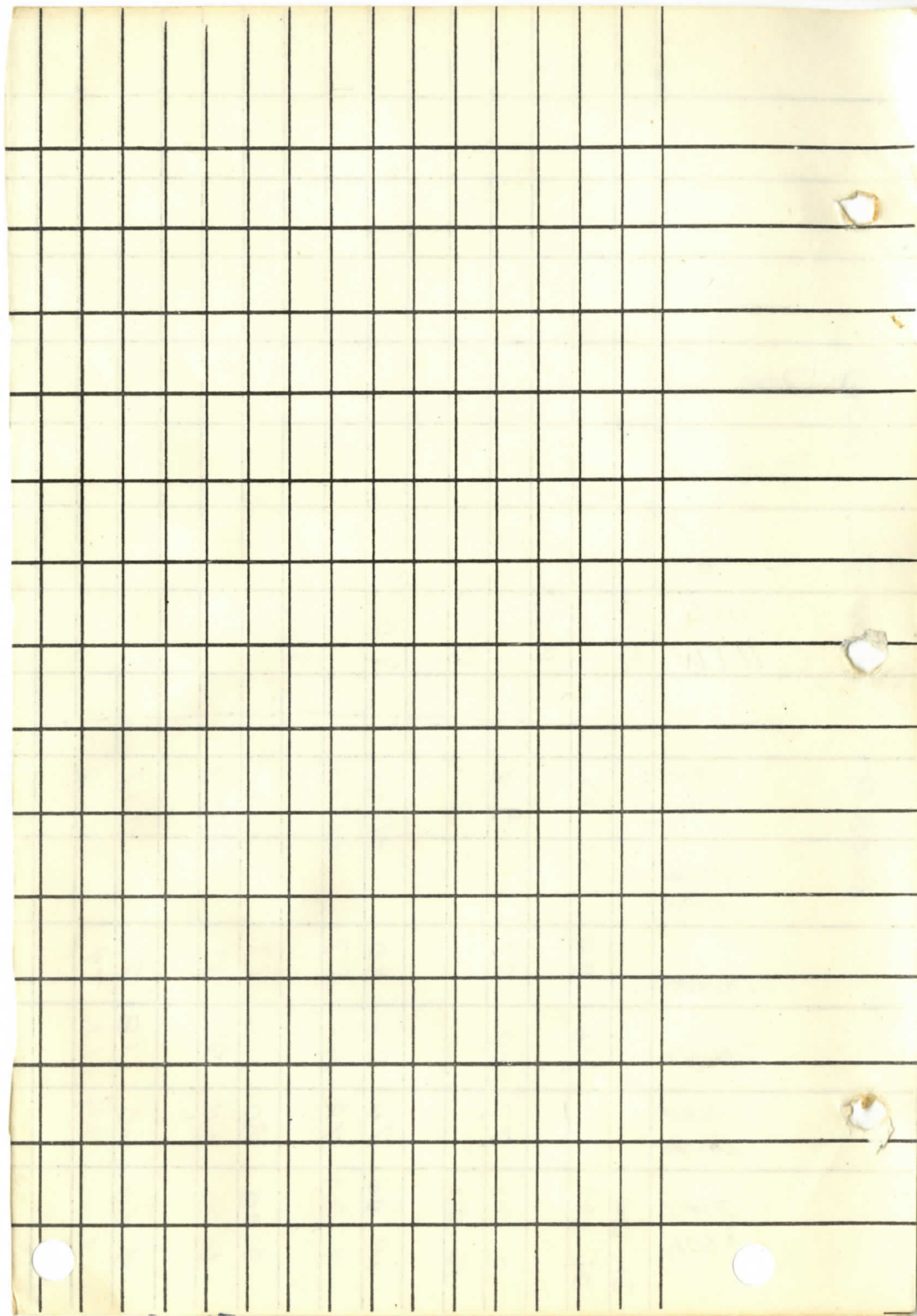
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DATE 6/15/72

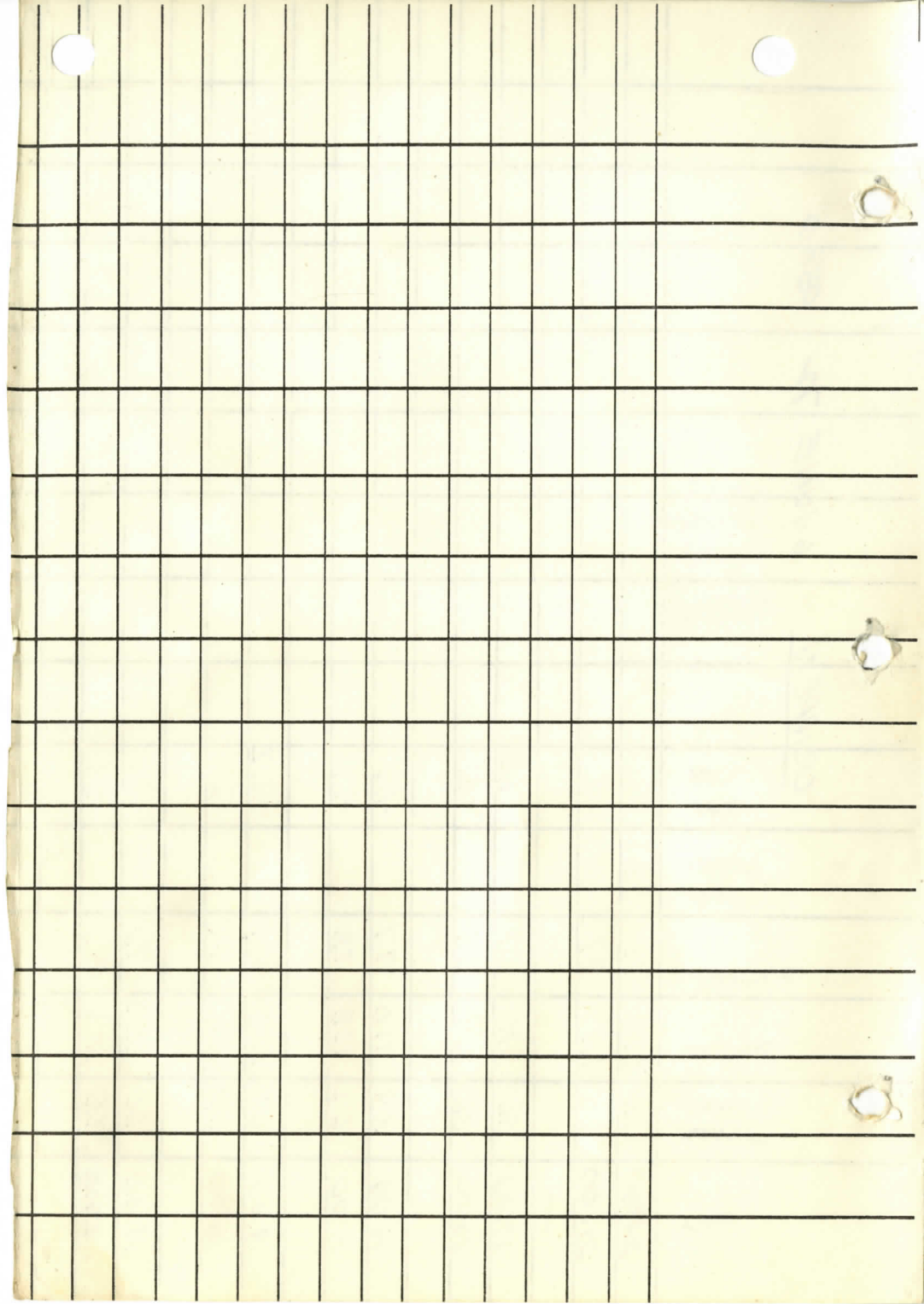
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DATE 6/15/72

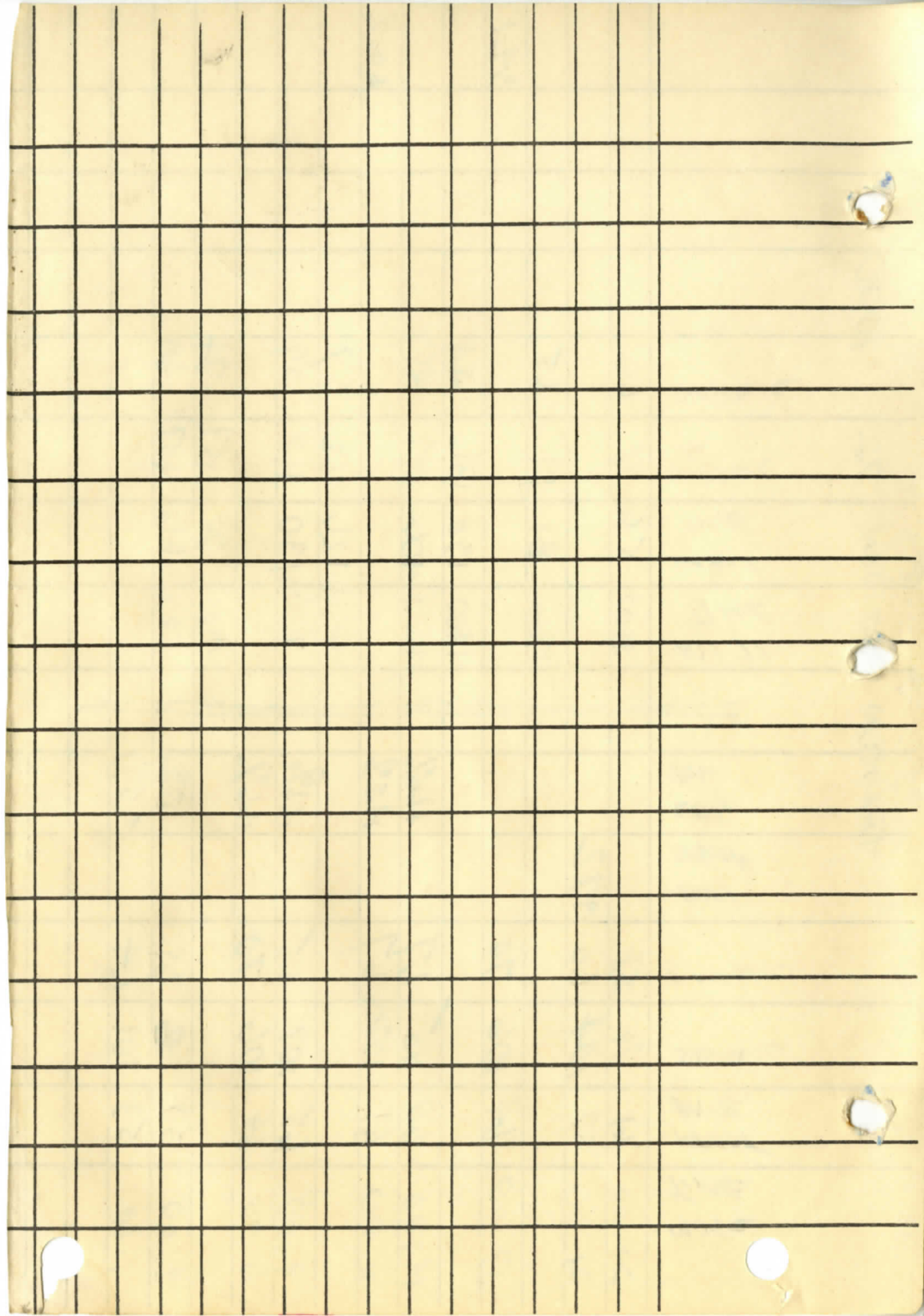
M092 TIME	HEART RATE	SYSTOLIC	DIASTOLIC	BODY TEMP	T LEG	KVOL	BOBKO	M171 TIME	HEART RATE	SYSTOLIC	DIASTOLIC	JUN 72	1330
24:00								22:00					
21:00	72	116	88	98.1	0	0		19:00					
17:00	77	109	73	-	0.7	0.7		13:00					
16:00													
14:00	74	110	80		+13+3			8:00					
11:00	72	111	87		+15+3			3:00					
9:00	80	116	73		+7.2+3								
6:00	84	94	75		+7.3+3								
4:00	60	118	76		+1+2								
1:00	64	116	74		1+2								



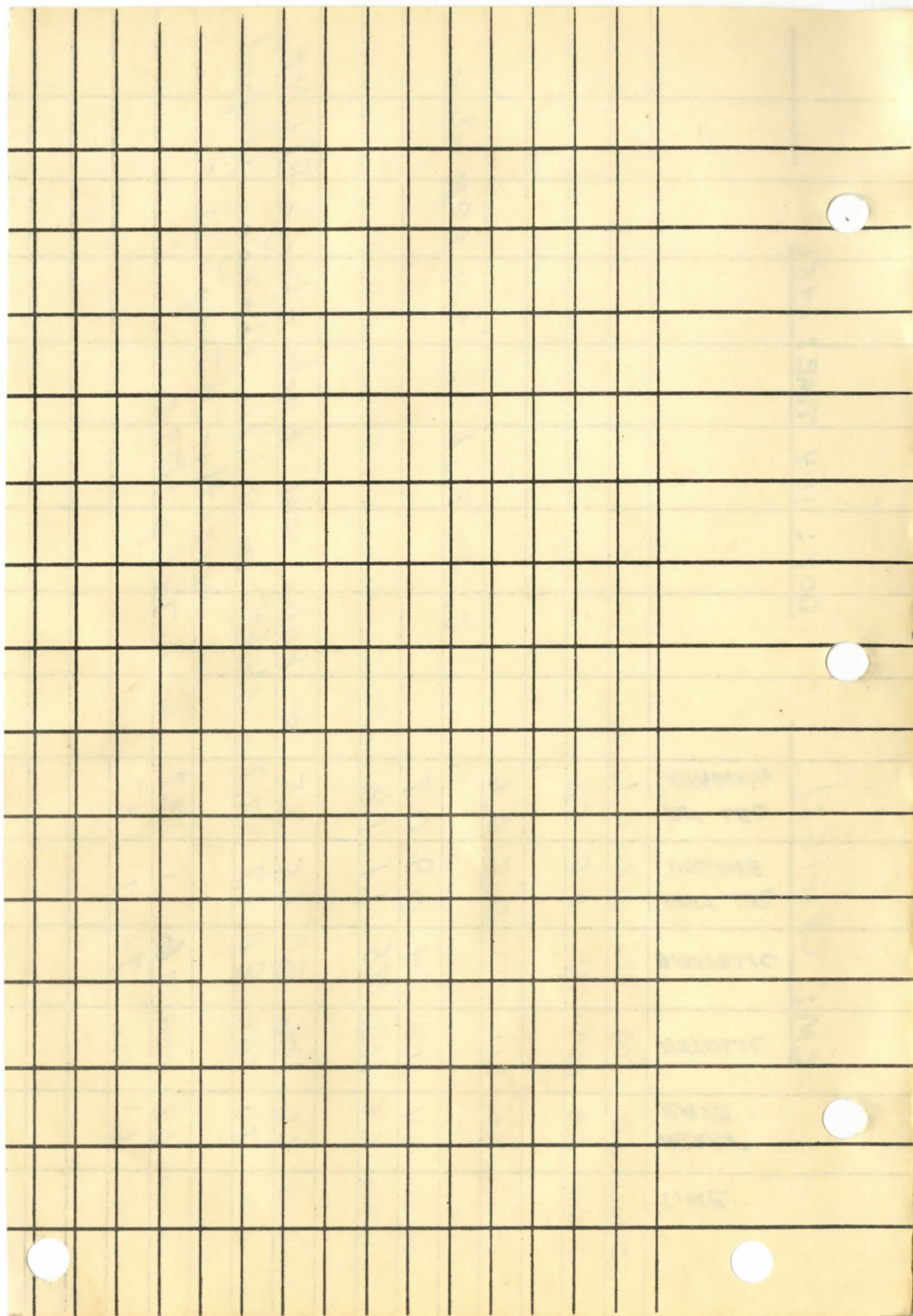
TIME	HEART RATE	SYSTOLIC	DIASTOLIC	BODY TEMP	LEG VOL.	CIRIPPEN	6 JUNE 72	0830
24:00	60	108	76	98.2	0			
21:00	63	111	77		0			
—								
17:00	56	111	67		-1.0			
16:00	56	101	55		-1.1			
14:00	59	110	77		-1.5			
11:00	62	108	78		-1.7			
9:00	60	106	61		-2.2			
6:00	60	101	72		-2.3			
4:00	60	102	70		-0.6			
1:00	60	105	85		0.5			
				1-3	1-3			8-0



MOSZ	TIME	HEART RATE	SYSTOLIC	DIASTOLIC	BOOY TEMP	LEG VOL.	THORNTON	M/71 TIME	HEART RATE	SYSTOLIC	DIASTOLIC	1000
24 00	61	94	58					2400	56	98	66	
21 00	57	104	60	97.2								
17 00	64	106	70					1700	81	111	65	34.1
14 00	60	105	67			+1.0%		1400	130	136	44	
11 00	61	102	67			+1.2%		1200	106	147	48	60.2
9 00	65	109	65			+1.6%		9 00	126	162	57	
6 00	64	106	70			+1.6%		7 00	130	168	59	
4 00	58	108	69			.2%		4 00	84	157	74	
1 00	53	101	64			+5.5%		1 00	66	107	69	



TIME	HEART RATE	SYSTOLIC	DIASTOLIC	LEFT LEG VOLUME	RT LEG READINGS	CM: CRIPPEN	DOY: 164 TIME: 1454
24:00	60	109	72	0.0	0.1		
21:00	60	109	71	0.0	0.3		
17:00	60	111	79	0.7	0.6		Cardio Tech is 2-4 BPM slow-
14:00	64	108	74	0.9	0.7		
11:00	65	112	75	1.1	1.2		
9:00	66	106	80	1.5	3.5		← Belly seal hurts - large RL VMS
6:00	70	106	80	1.7	3.7		shift - no visible change - plugged in correctly - C.H. Temp - 77.5
4:00	63	104	76	.1	3.7		← C. Temp 77.5
1:00	61	116	74	.1	3.7		



TIME	HEART RATE	SYSTOLIC	DIASTOLIC	LEFT LEG VOLUME	RT LEG VOLUME	RESPIRING	BODY TEMP.	DOY: 164	TIME 1415	CAGE 76	CHAMBER 78
24:00	60	105	63	+2.3%	+2.2%						
21:00	55	104	61								
17:00	66	96	57	+0.7%	+0.2%						
14:00	67	103	60	+2.7%	+0.1%						
11:00	66	102	66	+0.9%	+0.2%						
9:00	69	99	65	+1.6%	+2.9%						
6:00	67	101	72	+1.3%	+1.5%						
4:00	63	106	62	-1.1%	+2.7%						
1:00	59	101	63	-1.1%	0						

The LVMs before and after the 10:00 a.m. and 1:00 p.m. were 1.0 g and 1.1 g respectively. They were not to be adjusted and were 1.0 g.

Bill moved in here

Isolation was at 10:00 a.m. and after the run

Heart
DATE

11:00 104
10:00 103
9:00 70
8:00 69
7:00 68
1:00 72

THORNTON

NO 92

164

2036

TIME	HEART RATE	SYS/DIASTOLIC	CM.	B.B.K.O.	LEFT LEG	RIGHT LEG	BODY TEMP.	REMARKS
	72	119	72	0.0	0.0	97.7		
24:00	70	116	73	0.1	0.2			R & L LVMS cal. vals- weren't reached
21:00								
17:00	66	112	85	0.7	0.1			
14:00	68	117	72	1.2	0.0			
11:00	62	115	72	1.5	0.1			
9:00	72	117	75	2.0	0.1			
6:00	68	104	71	2.3	0.0			
4:00	64	130	75	1.3	0.0			
1:00	64	111	86	1.1	0.0			

[illegible]

[illegible]

TIME	HEART RATE	SYSTOLIC	DATE	LEFT VOL	RIGHT VOL	6/15/72	CM	CRIPPER	TIME	1850
24:00	52	115	76	-3	0.0					
21:00	52	109	75	-3	0.0					
17:00	56	104	83	+6	+3					
14:00	56	111	80	1.2	.3					
11:00	52	115	75	1.2	.3					
9:00	56	118	96	1.5	.4					
6:00	54	105	94	1.7	.3					
4:00	48	110	84	0.0	+1					
1:00	46	109	74	-1	+1					

EXPERIMENT

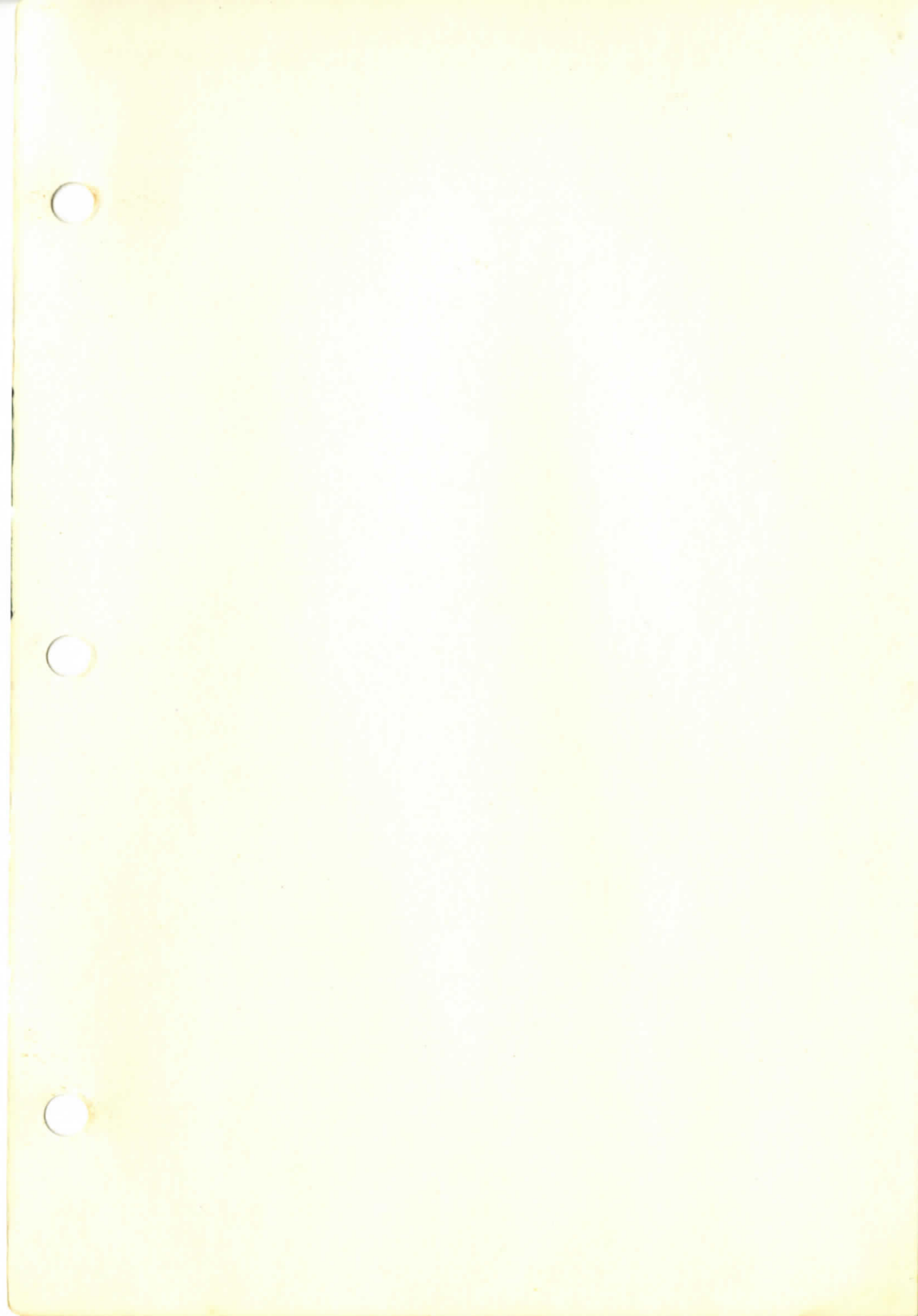
CREWMAN-BOBKO

DAY- 172 TIME- 1600Z

TIME

REMARKS

	MAC ₂	O ₂	O ₂ /h ₂	MV	HR	BP	97.5
2100	1.28	1.107	825	53.3	69	110/70	
1600	.7	.847	.775	23.0	75-73.8	100/70	
1500	.69	.840	.808	23.1	80	130/85 M	Δ ₂ - 0.921
1100	1.20	1.499	.810	36.9	101	126/83	
1000	1.29	1.516	.814	37.7	123	147/80	150/90 M
600	1.98	2.093	.917	51.9	135	159/72	180/100 M
500	1.97	2.204	.911	52.8			180/100 M 176/71
000	.35	.405	.846	14.2	71	115/86	18 Total - 1753
						97.2	Cabin Temp 74



DATE 6/22/72

M092 LOG

CREWMAN - Crippen

DAY - 176 TIME - 1318

REMARKS

Johnson → Man

TIME	HEART RATE	DIASTOLIC		LEFT LEG VOLUME		RIGHT LEG VOLUME		BODY TEMP	REMARKS
		SYSTOLIC	DIASTOLIC	LEFT LEG	RIGHT LEG	LEFT LEG	RIGHT LEG		
24:00	59	100	66	-1	0.0			97.9°F	Man
21:00	60	98	63	-1	+1			58 Wt. 157	Man
								L-B.B. - 3.2	Man
19:00	56	93	83	0.0	+1			R-B.B.C - 3.0	Man
17:00	54	102	65	8	+1			106-70	Man
								Chamber T- 68.5	Man
14:00	53	99	80	1.2	0				Man
		92	64					12:00 → 110/80	Man
11:00	54	93	67	1.3	0				Man
		101	64	4.5	0			105/75	Man
9:00	57	99	65	1.5	0				Man
		105	68	1.7	-1				Man
6:00	58	105	68	1.7	-1				Man
									Man
4:00	61	94	68	1.3	+1				Man
1:00	50	94	67	1.3	+1				Man

Wick → 112/75
 " 116/75
 # LAND Temp 71.
 A-H 03/65 → R 11 110/80
 " 94/65 → " 105/80
 107/75 104/75

DATE 6/22/72

M092 LOG

CREWMAN-THORNTON

DAY-118 TIME-1330

TIME

SYSTOLIC

DIASTOLIC

LEFT LEG
VOLUME
POLIC

SOME
RIGHT LEG
VOLUME

REMARKS

BODY TEMP

97.9

AT Leg C 43cm 6 1/2

45 leg C 42 mm 6 1/2

CAL $\angle 9.5^\circ$ CAL $\angle 343.7^\circ$

DATE 6/22/72

M092 LOG

CREWMAN - CRIPPER

DAY-178 TIME-1215

TIME

HEART
RATE

SYSTOLIC

DIASTOLIC

LEFT LEG
VOLUMERIGHT LEG
VOLUME

REMARKS

BODY TEMP

RL H¹/₈LL H³/₈

R PC 3.0

L BB 3.1

R AP 2.9

Rt 2g LVMS was replaced
when it didn't stick

The provided cal. number

Crimson was extremely quiet and
there was still drift on the
LVMSCal high RL 4.06 R-4
LL 2.09 R 2.2

Chamber Temp 70

Co 71.5

DATE 6/22/72

M092 LOG

CREWMAN- Crippen

DAY-183 TIME-1543

TIME

REMARKS

							BODY TEMP	98.4	
							R-14 $\frac{1}{2}$	L-14 $\frac{1}{4}$	AP
							BB 3.1	13-14 (too tight?)	2.9
							Man HR-52		
							12:00	108/70 man	
							112/76 M	7:19 v	
							L-L	2:70	5:00
							115/75 M	2:13	10:7 H
							L-D-S - 3,3	R-3,5	O= .4

DATE 6/22/72

M092 LOG

HEART
RATE

SYSTOLIC

DIASTOLIC

LEFT LEG
VOLUMERIGHT LEG
VOLUME

Man

BODY TEMP

REMARKS

CREWMAN- Bobko

DAY- 183 TIME- 1931

TIME

24

65

123

79

-1

0

130/80

98.5

120/12

1-15 1/4

BE 4.0

15/16

21

71

122

74

+1

+1

128/75

R-15 1/4

BD 4.6

"

128/73

124/9A

17

65

127

75

.4

.2

125/80

120/18

120/18

120/18

120/18

120/18

14

70

114

83

1.2

.2

120/18

120/18

120/18

120/18

120/18

120/18

11

68

116

73

1.4

.2

120/18

120/18

120/18

120/18

120/18

120/18

9

70

119

75

1.8

.2

120/18

120/18

120/18

120/18

120/18

120/18

6

70

119

75

1.8

.2

120/18

120/18

120/18

120/18

120/18

120/18

4

70

119

75

1.8

.2

120/18

120/18

120/18

120/18

120/18

120/18

3

67

126

76

.5

.3

130/80

130/80

130/80

130/80

130/80

130/80

1:00

68

129

71

.5

.3

125/18

125/18

125/18

125/18

125/18

125/18

Term. @ 7:00 T.C. + mail

DATE 6/22/72

BH BE

M092 LOG

CREWMAN- THORNTON

DAY- 183 TIME- 2040

TIME

HEART
RATE

SYSTOLIC

DIASTOLIC

LEFT LEG
VOLUMERIGHT LEG
VOLUME

REMARKS

BODY TEMP

97.8

RT LEG 174 L. LEG 168

24:00

46

106

79

-2%

-1%

21:00

49

97

71

-3%

-1%

17:00

47

100

77

+6%

-2%

14:00

47

97

65

+12%

-2%

11:00

52

96

64

+14%

+2%

09:00

53

101

79

+19%

-3%

06:00

57

104

74

+22%

-4%

04:00

50

96

74

-5%

-4%

01:00

48

102

61

-7%

-5%

Cal

HGH L - .8 R + 3.5

LDW L + 3.1 R - .5

DATE Wet Run

- TM

M092 LOG

CREWMAN - Crippen
DAY - 192 TIME - 2057

REMARKS

BODY TEMP

RIGHT LEG VOLUME

LEFT LEG VOLUME

DIASTOLIC

SYSTOLIC

HEART RATE

TIME

2400

2100

1700

1400

1100

900

600

400

100

R-14 1/4 14-15 BC 3.0

L-14 1/4 14-15 BB 3.2

23-50 Man-42A Resp 1620

Restart N₂ off

45-104 11R 53

13:00 58HR BP 99-63

8:00 55 99-58 R-10

3:00 47 98/65 R-12

DATE 7/10/72

M092 LOG

HEART RATE

SYSTOLIC

DIASTOLIC

LEFT LEG VOLUME

RIGHT LEG VOLUME

Resp. Rate

BODY TEMP

TIME

DAY - 193

TIME - 2035

REMARKS LL-BH 303/RL-BF-301

CREWMAN - THORNTON

2600

54

102

050

0

0

16

16-16 3/4

2100

55

111

62

-02

0

12

RL 17 1/4

1700

54

95

62

05

0

1400

53

101

61

100

0

18

1100

50

97

68

100

-01

900

60

98

65

103

<-1

600

60

93

63

115

-04

400

52

102

62

<-1

-03

100

49

101

65

<-1

-03

RL 2.9

L-L <-1.0

RL -03

Lil 2.0

M092 LOG

TIME

HEART RATE

SYSTOLIC

DIASTOLIC

LEFT LEG VOLUME

RIGHT LEG VOLUME

REMARKS

DAY- TIME-

CREWMAN-

BODY TEMP

DATE 7/10/72

DATE 7/10/72

M092 LOG

TIME

HEART
RATE

SYSTOLIC

DIASTOLIC

LEFT LEG
VOLUMERIGHT LEG
VOLUMEB.P.
mmHg

BODY TEMP

REMARKS

CABIN TEMP.

CREWMAN- CripDAY- 205 TIME- 2051Z

23 July

25:

50

101

51

0.0

0.2

108/55

BODY TEMP

- NA

147 PSI

REMARKS

CABIN TEMP.

CREWMAN- CripDAY- 205 TIME- 2051Z

23 July

24:

45

137

57

-0.2

0.2

112/90

RIGHT LEG

14 1/4

8C

3.0

REMARKS

CABIN TEMP.

23 July

23 July

23:

46

99

59

-0.3

0.2

110/75

LEFT LEG

14 1/4

8B

3.2

REMARKS

CABIN TEMP.

23 July

23 July

22:

46

94

64

-0.4

0.2

108/55

BODY TEMP

- NA

147 PSI

REMARKS

CABIN TEMP.

23 July

23 July

21:

47

101

57

-0.4

0.2

110/75

BODY TEMP

- NA

147 PSI

REMARKS

CABIN TEMP.

23 July

23 July

20:

48

101

46

-0.4

0.2

110/72

BODY TEMP

- NA

147 PSI

REMARKS

CABIN TEMP.

23 July

23 July

19:

50

99

60

0.1

0.2

112/76

BODY TEMP

- NA

147 PSI

REMARKS

CABIN TEMP.

23 July

23 July

18:

45

98

76

0.6

0.2

110/

BODY TEMP

- NA

147 PSI

REMARKS

CABIN TEMP.

23 July

23 July

17:

48

95

65

1.0

0.2

113/73

BODY TEMP

- NA

147 PSI

REMARKS

CABIN TEMP.

23 July

23 July

16:

49

93

54

1.2

0.2

105/75

BODY TEMP

- NA

147 PSI

REMARKS

CABIN TEMP.

23 July

23 July

15:

49

106

62

1.2

0.2

110/73

BODY TEMP

- NA

147 PSI

REMARKS

CABIN TEMP.

23 July

23 July

14:

48

98

69

1.3

0.3

108/76

BODY TEMP

- NA

147 PSI

REMARKS

CABIN TEMP.

23 July

23 July

13:

48

96

75

1.5

0.3

110/76

BODY TEMP

- NA

147 PSI

REMARKS

CABIN TEMP.

23 July

23 July

12:

54

99

61

1.6

0.3

108/74

BODY TEMP

- NA

147 PSI

REMARKS

CABIN TEMP.

23 July

23 July

11:

50

98

60

1.6

0.3

108/76

BODY TEMP

- NA

147 PSI

REMARKS

CABIN TEMP.

23 July

23 July

10:

48

101

62

1.7

0.3

108/76

BODY TEMP

- NA

147 PSI

REMARKS

CABIN TEMP.

23 July

23 July

OVER.

M092 LOG

CREWMAN- CRIPPEN

DAY-205 TIME-

TIME-

REMARKS

[illegible]DATE 7/10/72

DATE 7/10/72

M092 LOG

TIME

HEART
RATE

SYSTOLIC

DIASTOLIC

LEFT LEG
VOLUMERIGHT LEG
VOLUMEMAW
B.P.

BODY TEMP

CREWMAN- BO

7/23/72 DAY-205

TIME-1752Z

REMARKS 14.7PSIA

2500	88			-6.1	0.0	130/45		
2400	82	STARTED		-0.1	0.0	130/40	LEFT LEG	BD 3.8 15/4
2300	77	120	64	-0.1	0.0	130/45	RIGHT LEG	CC 3.2 15/8
2200	73	129	62	-0.2	0.0	130/45		
2100	88	119	70	-0.1	0.0	128/40		
2000	90	121	60	-0.2	0.1	130/40		
1900	87	129	60	-0.2	0.1	135/45		
1800	99	127	72	0.2	0.1	135/85		
1700	105	134	67	0.4	0.1	135/45		
1600	102	133	69	0.7	0.1			
1500	100	131	69	0.7	0.1			
1400	90	128	68	1.1	0.1			
1300	97	124	71	1.4	0.1			
1200	107	135	65	1.3	0.1			
1100	76	122	64	1.5	0.2			
1000	90	125	70	1.5	0.2			
0900								

M092 LOG

CREWMAN-80

DAY-705 TIME-

REMARKS

TIME	M092 LOG	HEART RATE		SYSTOLIC		DIASTOLIC		LEFT LEG VOLUME		RIGHT LEG VOLUME		REMARKS
0900		97	126	67	2.0	0.1						BODY TEMP NONE - INSTANT 200.1
0800		74	129	76	2.3	0.2						AT PI-CAL
0700		82	118	68	2.3	0.2						LEFT 0 - 0.1
0600		85	104	71	2.4	0.2						RIGHT - 3.4
0500		93	115	83	2.6	0.2						LOW CAL
0400		73	122	69	1.2	0.2						LEFT 4.5
0300		67	119	67	1.6	0.1						RIGHT 0 - 10.2
0200		64	116	73	0.7	0.2			125/80			
0100		67	109	68	1.0	0.2			123/80			
0000		66	116	66	0.9	0.2						

DATE 7/10/72

DATE 7/10/72

M092 LOG
TIMEHEART
RATE

SYSTOLIC

DIASTOLIC

LEFT LEG
VOLUMERIGHT LEG
VOLUME

24

54

87

56

-1.2

0

BODY TEMP

LEGS

RIGHT

BE

3.0

17.8

16.8

16.8

23

56

92

43

-1.2

+1

LEGS

RIGHT

BE

3.0

17.8

16.8

16.8

16.8

22

55

96

62

-1.2

+1

LEGS

RIGHT

BE

3.0

17.8

16.8

16.8

16.8

21

54

98

45

-1.2

+1

LEGS

RIGHT

BE

3.0

17.8

16.8

16.8

16.8

20

51

92

66

-1.2

+2

LEGS

RIGHT

BE

3.0

17.8

16.8

16.8

16.8

19

50

94

59

0

+2

LEGS

RIGHT

BE

3.0

17.8

16.8

16.8

16.8

18

50

95

54

+1.5

0

LEGS

RIGHT

BE

3.0

17.8

16.8

16.8

16.8

17

50

90

56

+1.7

0

LEGS

RIGHT

BE

3.0

17.8

16.8

16.8

16.8

16

50

94

63

+1.7

0

LEGS

RIGHT

BE

3.0

17.8

16.8

16.8

16.8

15

52

99

57

+1.8

0

LEGS

RIGHT

BE

3.0

17.8

16.8

16.8

16.8

14

55

88

52

+1.1

0

LEGS

RIGHT

BE

3.0

17.8

16.8

16.8

16.8

13

53

89

51

+1.15

0

LEGS

RIGHT

BE

3.0

17.8

16.8

16.8

16.8

12

54

94

55

+1.4

-1

LEGS

RIGHT

BE

3.0

17.8

16.8

16.8

16.8

11

51

91

53

+1.4

-1

LEGS

RIGHT

BE

3.0

17.8

16.8

16.8

16.8

10

56

-

-

-

-

LEGS

RIGHT

BE

3.0

17.8

16.8

16.8

16.8

9

66

82

63

1.4

-1.0

-

LEGS

RIGHT

BE

3.0

17.8

16.8

16.8

16.8

16.8

16.8

16.8

CREWMAN- Thornton

7/23/72 DAY-205 TIME-2007

REMARKS

M092 LOG

HEART RATE	
SYSTOLIC	
DIASTOLIC	
LEFT	

LEG
VOLUME
RIGHT LEG
VOLUME

D	REMARKS

CREWMAN-
AY- 205

THORNTON
TIME-

Year	Percentage of Population in Labor Force
1950	55
1955	65
1960	60
1970	85

REMARKS

[illegible]

102/78

5.

41.7

629

7-100	
-------	--

[illegible]

8

1

$L \rightarrow -L$ CAL 141

$$R \rightarrow +2.5 \text{ CAL HI}$$

R ↑ -1.6 CAL 60

L → +2.7 CAL L6

DATE 7/10/72





DATE 6/22/72

M171 LOG

HEART RATE

SYSTOLIC

DIASTOLIC

MACO2

O2 CONSUMED

CO2/O2 RATIO

MINUTE VOLUME

REMARKS

CREWMAN - BOBKO

DAY - 175 TIME - 1445

CABIN AIR 0-20.6 14.0-1.73 14.3-2.2

VITAL CAPACITY 5,705 5,645

BODY TEMP ESS out

End to End, 122 023 9.8

1 min SW 270 at 15.0

1

13.9

933

2338

2174

918

870

36.2

24.6

22.9

45.3

1667

1310

85

104

69

105

146

75

1260

1456

870

36.2

24.6

22.9

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36.2

24.6

22.9

45.3

1667

1310

85

DATE 6/22/72

DATE 6/22/72

CREWMAN- THORNTON

DAY-175 TIME-2035

REMARKS

M171 LOG

TIME

CABIN AIR

VITAL CAPACITY 6.2/3/5.0³⁰ 5.9/2.5.

BODY TEMP

TOTAL WORK

2687

DATE 6/22/72

M171 LOG

TIME

	SYSTOLIC	DIASTOLIC	MAC02
1	118	76	90
2	118	76	90
3	118	76	90
4	118	76	90
5	118	76	90
6	118	76	90
7	118	76	90
8	118	76	90
9	118	76	90
10	118	76	90
11	118	76	90
12	118	76	90
13	118	76	90
14	118	76	90
15	118	76	90
16	118	76	90
17	118	76	90
18	118	76	90
19	118	76	90
20	118	76	90
21	118	76	90
22	118	76	90
23	118	76	90
24	118	76	90
25	118	76	90
26	118	76	90
27	118	76	90
28	118	76	90
29	118	76	90
30	118	76	90
31	118	76	90
32	118	76	90
33	118	76	90
34	118	76	90
35	118	76	90
36	118	76	90
37	118	76	90
38	118	76	90
39	118	76	90
40	118	76	90
41	118	76	90
42	118	76	90
43	118	76	90
44	118	76	90
45	118	76	90
46	118	76	90
47	118	76	90
48	118	76	90
49	118	76	90
50	118	76	90
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52	118	76	90
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72	118	76	90
73	118	76	90
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79	118	76	90
80	118	76	90
81	118	76	90
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84	118	76	90
85	118	76	90
86	118	76	90
87	118	76	90
88	118	76	90
89	118	76	90
90	118	76	90
91	118	76	90
92	118	76	90
93	118	76	90
94	118	76	90
95	118	76	90
96	118	76	90
97	118	76	90
98	118	76	90
99	118	76	90
100	118	76	90

02
CONSUMED
C02/02
RATIO
M

Ratio	Minute	Volume
02		

CREWMAN -	DAY - <u>176</u> TIME	REMARKS
-----------	-----------------------	---------

REMARKS

CABIN AIR	02-20.62	H20 1.67 C42.18
VITAL CAPACITY	5,362	5,354 5,360
BODY TEMP	5-96.6	97.6 98.0
06.03	M-110/80	vs 153/83
Cabin Temp - 69.0° F		
		10-16-70

TOTAL WORK

DATE 6/22/72

M171 LOG

TIME

HEART
RATE

SYSTOLIC

DIASTOLIC

MACO2

CONSUMED
O2CO2/O2
RATIOMINUTE
VOLUME

REMARKS

CREWMAN-

THORNTON

DAY-178

TIME-1449

20

96

101

58

208

2.48

.87

71.9

CABIN AIR

70

16

136

1.54

.907

39.3

VITAL CAPACITY

5.7

15

96

118

70

132

1.496

.908

39.4

BODY TEMP

96.3

11

110

150

82

234

2.512

.971

66.7

10

120

141

77

224

2.489

.937

63.7

6

329

3.457

.996

101.7

5

25

~~2.61~~

.984

116.0

0

90

480

.564

.836

19.7

TOTAL WORK

2646

DATE 6/22/72

CREWMAN- CRIPPEN
DAY- 178 TIME- 1836

M171 LOG

TIME

HEART
RATE

SYSTOLIC

DIASTOLIC

MACO2

CONSUMED
O2CO2/O2
RATIOMINUTE
VOLUME

REMARKS

CABIN AIR

VITAL CAPACITY 5,420 / 5,402

BODY TEMP 96.8

5 to end

Finally gave up on
the 4.6% -> 5.025 -calibration balance part
below the vital capacity -Being correction of
1/10 of a shroud onthe Osmometer, we were
still unable to balance

TOTAL WORK 1493

25:00

49

106

83

22:00

52

112

61

21:00

.980

1403

7.5

358

19:00

70

120

80

17:00

65

95

71

16:00

70

157

56

.620

.842

734

19.9

15:00

.650

.889

738

20.5

14:00

94

172

73

13:50

121

76

12:45

92

137

71

11:00

1.276

1.516

.861

34.8

10:00

91

177

79

1.170

1.390

.864

32.7

9:00

113

150

75

8:00

1.910

2.138

.929

56.1

5:00

123

165

78

1.860

2.130

.916

49.9

4:00

85

134

70

0:00

64

1.350

.584

.876

12.9

TIME

6/22/72

SYSTOLIC
DIASTOLIC

MAC02

02
CONSUMED
C02

RATIO
/02

MINUTE
VOL.

—ZUMF

DAY-170 T

REMARKS

CABIN AIR

VITAL CAPACITY

BODY TEMP

TOTAL WORK

DATE 6/22/72

CREWMAN - CRIP
DAY - 183 TIME - 1650

M171 LOG

TIME

HEART RATE

SYSTOLIC

DIASTOLIC

MACO2

O2 CONSUMED

RATIO CO2/O2

MINUTE VOLUME

REMARKS

2100

633

90

86

92

92

92

92

92

92

92

92

92

92

92

1600

144

144

144

144

144

144

144

144

144

144

144

144

144

144

1500

113

113

113

113

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113

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TOTAL WORK

DATE 6/22/72

M171 LOG

CREWMAN- <u>Crip</u>	DAY- <u>188</u> TIME- <u>1341</u>	REMARKS

[illegible]

DATE 6/22/72

M171 LOG

CREWMAN- THORNTON
DAY- 188 TIME- 217

REMARKS

TIME	HEART RATE	SYSTOLIC	DIASTOLIC	MACO2	CO2 CONSUMED	CO2/RATIO	MINUTE VOLUME	CABIN AIR	VITAL CAPACITY	BODY TEMP	REMARKS
25:00	59	94	60					20.41	2.40	1.16	
22:00	64	88	73						5.93	5.42	
21:00				1.370	1.239	1.118	59.3				
19:00	89	116	69	3.390	1.297	1.204	88.3				Had to replace three
18:00	89	119	61	1.510	1.280	1.209	49.0				spacers to get reasonable
15:00				1.500	1.280	1.209	49.0				impedance of isolation
14:00	104	165	70								was good.
12:00	116	155	70								
11:00	116			2.650	2.078	1.327	84.4				
10:00	119			2.750	2.173	1.318	89.0				
9:00	132	149	67								
6:00	141	183	81	3.940	2.935	1.403	142.4				
5:00				3.150	2.433	1.361	120.2				
4:00	110	177	50								
3:00	83	136	67								
0:00	72	121	77	5.20	4.71	1.103	22.9				TOTAL WORK 2703

DATE 6/22/72

CREWMAN- DAVIS

DAY-

TIME-

REMARKS

M171 LOG

TIME

HEART RATE

SYSTOLIC

DIASTOLIC

MACO2

CONSUMED O2

CO2/O2 RATIO

MINUTE VOLUME

CABIN AIR

VITAL CAPACITY

BODY TEMP

TOTAL WORK

21

76

86

65

1.334

1.340

16.3

CABIN AIR

16

93

114

520

.741

.989

21.8

CABIN AIR

15

92

139

85

.814

1.043

24.8

CABIN AIR

11

105

130

1220

1.067

1.223

33.2

CABIN AIR

10

128

153

71

1.990

1.238

41.8

CABIN AIR

5

128

153

2.11

1.755

1.291

60.1

CABIN AIR

0

095

110

68

3.02

1.027

11.6

CABIN AIR

5.110
 5.085
 3.3
 4.811
 6.155

TOTAL WORK

M171 LOG

DATE 7/10/72

CREWMAN - CrippenDAY - 1931

TIME -

REMARKS

HEART
RATESYSTOLIC
DIASTOLICMACO2
CONSUMED
CO2/O2
RATIOMINUTE
VOLUME

TIME

21:00	52	97	70	1140	272	1198	44.4	CABIN AIR P-4999 67.56 CO2-2.08 14.0 5.23
18:00	77	119	65	610	497	1215	21.0	VITAL CAPACITY 5384 5.337
17:00	74	111	65	840	677	1252	27.4	BODY TEMP
16:00*	77	125	65	750	605	1250	23.7	
15:00*	75	136	71	840	692	1278	26.7	End - O2 - 66.95 6.05 10.20
13:00	95	-	63	1170	917	1302	33.9	
12:00	96	142	57	1410	1080	1339	39.6	
11:00*	97	133	57	1390	1054	1355	39.7	
10:00*	104	147	65	1490	1124	1366	44.2	
7:00	118	163	68	2130	1581	1395	60.0	1480
6:00	114	165	71	2040	1520	1388	56.9	
5:00	122	162	73	2100	1619	1346	59.0	
4:00	80	173	57	1350	1030	1352	37.5	
3:00	75	135	66	890	563	1597	27.7	
2:00	71	111	66	530	346	11499	17.7	
1:00	66	122	67	360	263	1316	12.8	TOTAL WORK
0:00	74	111	65	1480	341	1316	16.1	1244.80

DATE 7/10/72

CREWMAN - Crippen
DAY - 7-15 TIME -

M171 LOG

TIME

HEART RATE
SYSTOLIC
DIASTOLIC
MACO2
O2 CONSUMED
CO2/O2 RATIO
MINUTE VOLUME

REMARKS

21			122	1257	996	91.6	CABIN AIR 02038H ₂ Δ179 CD ₂ Δ12
23							VITAL CAPACITY 5.712 5.775
18				108	984	20.7	BODY TEMP -
17			680	642	1.477	19.8	93/48/30 106/22 107/48
16			660	642	1.477	19.8	25/129
15			690	641	1.058	20.5	132
13	90	122	1180	1079	1.164	30.6	167
12	87	132	1440	1143	1.29	36.9	
11	90		1300	1051	1.216	33.3	1.265
10	99	158	1380	1090	1.285	38.7	175/90
7		↓	1890	1448	1.353	48.0	↓
6	120		1990	1516	1.361	50.0	
5			2110	1637	1.385	55.1	1975
4	64		1721	1587	1.321	29.1	
3	81		920	555	1.668	24.8	
2	61		850	501	1.490	18.1	
100	50		440	260	1.833	35.0	TOTAL WORK 1473
200			440	260	1.833	35.0	

M171 LOG				CREWMAN - <u>Bobko</u>			
				DAY - <u>7-15</u> TIME - <u>1030</u>			
				REMARKS			
TIME	HEART RATE	SYSTOLIC	DIASTOLIC	MACO2	CONSUMED O2 RATIO	MINUTE VOLUME	
24	76	135 M 120	85 M 84				CABIN AIR 02-249 H ₂ O 220.16
21	72	130 M 104	85 M 78	1.460	12.03	51.7	VITAL CAPACITY 5965 6.439
17	95			.750	1.073	22.4	BODY TEMP —
16	95			.890	.812	25.8	131/14 183/64 133/65
15	108			.830	.742	24.7	
12	121	140 151	85 M 51	1.450	1.208	37.5	
11	125			1.320	1.129	34.5	
10	125			1.520	1.283	40.1	
7	150			2.160	1.712	53.1	
6	154			2.240	1.768	55.3	
5	155			2.120	1.755	57.1	
2	95	140 110	90 82	.460	.339	16.6	
1	92			.340	.272	12.7	
00				.320	.308	13.1	
							TOTAL WORK 1772

DATE 7/10/72

M171 LOG

DATE 7/10/72

CREWMAN-THORNTON

DAY- 193 TIME- 2235

REMARKS

[illegible]

M171 LOG				CREWMAN - <u>Crip</u>			
TIME				DAY - <u>203</u> TIME - <u>1630</u>			
				REMARKS			
				CABIN AIR			
				VITAL CAPACITY 5.444 5.338			
				BODY TEMP NA			
				26.76/00			
				02 11.0 007			
				2.55-53 7.47 12.14			
				69.6 439 13.09			
				8.5 15.04			
				57.1-498 969 15.39			
				TOTAL WORK			

SP-1 FL-1547

MACO2 CONSUMED CO2 RATIO MINUTE VOLUME

HEART RATE SYSTOLIC DIASTOLIC

TIME	HEART RATE	SYSTOLIC	DIASTOLIC	MACO2	CONSUMED CO2	RATIO	MINUTE VOLUME
25:00	50	104	73				120/85
23:00	57						122/85
22:30	66	111	71				123/85
21	60	101	75		9.13	37.4	120/83
18:00	80	113	63	805	809	17.8	
17:00	77	118	62	800	818	24.8	
16	77	111	59	830	819	20.8	
15	91	126	61	842	815	21.2	
14	100	135	71	36	43		
13	97	144	76	124	1445	29.4	
12	100	148	14	1.827	87	33.8	
11	97	136	68	1.664	826	31.1	
10	98	151	83	1.786	826	34.1	
7: 18	125	161	77	1.998	842	45.5	
6: 19	124	165	71	1.998	843	45.5	

DATE 7/10/72

20 Wet Run @ Alt-

CREWMAN-

CREWMAN - CRIP
DAY - 203 TIME - 1654

REMARKS

CABIN AIR

Mode	I
------	---

BODY TEMP

10

...

10

TOTAL WORK

10

M171 LOG

TIME

HEART RATE

SYSTOLIC

DIASTOLIC

MAC02

02
CONSUMED
C027

2/02
RATIO
M

MINUTE
VOLUME

DAY-

TIME-

CREWMAN-

REMARKS

CABIN AIR

VITAL CAPACITY

BODY TEMP

TOTAL WORK

DATE 7/10/72

DATE 7/10/72

S. L. FLIGHT UNIT TEST

CREWMAN-

DAY- 202

REMARKS

ATD

M171 LOG

TIME

	CABIN AIR	2025.	HP	27-11	; 10 - 1515
	VITAL CAPACITY	5,397	5,641		
	BODY TEMP	- Not avail			
	BP before start	93-95/68	94-93/63	BP before start	
		97-95/76	103-101/56	96/94-58-59	
		106-105/58-59	5.93/72	113/59	
		95/59	105/78 Max vs 103-72		
		97-66	104-64	118-20	
		101-58 vs 105-75	100-61		
		Ox ck all zero limits 10 ~			
		CO ₂ was 14.83 vs 14.85			
		Marshall rep-diddled CO ₂ + O ₂ gains-			
		91-50 79-58 85/001	83.59		
		92-66	80-59 vs 105/78	87.52	
	TOTAL WORK				

DATE 7/10/72

SL TEST

FLIGHT UNIT
M771-106

SYSTOLIC
DIASTOLIC
MACO2
CONSUMED
CO2/O2
RATIO
MINUTE
VOLUME

UNIT TEST

CREWMAN- BOB KOOL

DAY- 202 TIME- 1340 ~~DOT~~

REMARKS

TIME	HEART RATE	SYSTOLIC	DIASTOLIC	MACO2	CONSUMED CO2/O2 RATIO	MINUTE VOLUME	REMARKS
26:00	87	126	107				CABIN AIR $\%O_2 = 0.13 \%$ $\%O_2 = 20.17$ $\%H_2O = 1.40$
25:00	84	121	92				VITAL CAPACITY 5.967 / 6.043
24:00							BODY TEMP N.A.
23:00	86	115	78				3rd try H.R. = 78 re-cycling TBP 120/91
22:00	78	126	86	.3	8.64		HA - ZERO LEVELS NOT ADJUSTED ABOVE 0.001
21:00	76	113	83	1.664	0.934	43.2	
20:00	84	113	83				
19:00	100	104	67				
18:00	97	128	65	.750	.824	21.7	
17:00	96	131	65	.870	.809	22.0	
16:00	98	131	65	.890	.840	23.0	139/36 @ 1500
15:00	108	139	36	.910	.852	23.5	DROPPED MOUTHPIECE
14:00							
13:00	124	144	76	1.410	.831	36.4	
12:00	121	169	66	1.490	.871	36.9	
11:00							TOTAL WORK

log
in chamber
5 psi cord
15 in chamber
5 psi cord
DROPPED MOUTHPIECE

TIME

HEART RATE

SYSTEMIC

ASTOLIC

11/11/2020

02
CONSUMED
C02/10

02
RATIO
MT.

INUTE
VOLUME

DAY-

REWMAN-
REMAR

The
TIME-
KS

rotor

21

[illegible]

TOTAL WORK 2721

DATE 7/10/72

SL TEST

FLIGHT UNIT

MA 71-106

TIME

DATE 7/10/72

MODE I - MODE II
SPECIAL TEST

MAC02
DIASTOLIC
SYSTOLIC

MAC02
DIASTOLIC
SYSTOLIC

CREWMAN-THORNTON

DAY- 20 2 TIME- 1618CDT

REMARKS

CABIN AIR	%CO ₂ 0.12	%H ₂ O 1.83	%O ₂ 20.05
VITAL CAPACITY			
BODY TEMP			
INSPIRE SPIROMETER HAS			
HIGH BACK PRESSURE 2-3X			
THAT OF EXPIRE SPIROMETER			
16.03 O ₂	3.65 H ₂ O	3.59 %CO ₂	
16.17 "	3.71 "	3.47 "	
16.06	3.69	3.32	
15.97	3.76	3.33	
TOTAL WORK			

714 02 5N
61 CO2
708

M171 LOG

DATE 7/10/72

SPSI FLIGHT
UNIT TEST

CREWMAN- THORNTON

DAY- 203 TIME- 1800Z

REMARKS

5.02 REMOUNT

HEART RATE
SYSTOLIC
DIASTOLIC
MACO2
CONSUMED
CO2/O2
RATIO
MINUTE
VOLUME

TIME	HEART RATE	SYSTOLIC	DIASTOLIC	MACO2	CONSUMED CO2/O2 RATIO	MINUTE VOLUME	CABIN AIR S.O.37	O2 71.35 L.O. 21.00	CO2 37	REMARKS
2200	63	99	76			118/80				
2100		113	87	1.190	.811	43.4				
1900	90									
1600	94	146	69	1.430	2.028	0.710				
1500	92	136	69	1.876	.737	40.6				
1400	112	131	58	1.49	2.143	.698				
1300	116	152	66	2.09	2.850	.734				
1200	117	153	72	2.350	3.121	.759				
1100	116	174	60	2.130	2.803	.762				
1000	116	189	73	2.310	3.086	.750				
0900	139	157	53	2.390	3.206	.750				
0800	142	186	83	2.20	4.084	.289				
0700	143	170	60	3.62	4.571	.795				
0600	143	189	71	3.22	4.047	.801				
0500	140	190	79	3.30	4.237	.783				
0300	86	141	71	1.000	1.050	.942				
0200	84	128	81	.710	.844	.838				
							TOTAL WORK 2654			
							0.0060			

End to End
MACO2 O2 Ratio M.V.
1.5L 710 1.504 476 18.9
2.5L 1.160 2.519 465 30.9
3.5 1.620 3.570 450 43.3

154/15

25.5

SPEC/AB 30 MW
SPSI FLIGHT UNIT

CREWMAN- Thornton

DAY- 203 TIME- 1850

DATE 7/10/72

M171 LOG

TIME

HEART
RATE

SYSTOLIC

ASTOLIC

MACO2

02
CONSUMED
C02/0

Ratio 02

MINUTE
VOLUME

REMARKS

CABIN AIR -3 gws 02 70.53
731 4 3.77
CQ2-052

VITAL CAPACITY

BODY TEMP

TOTAL WORK

M171 LOG

TIME

HEART
RATE

SYSTOLIC

DIASTOLIC

MAC02

02
CONSUMED
C021

-102
RATIO
M

MINUTE
VOLUME

CREWMAN-

DAY-

TIME-

REMARKS

CABIN AIR

VITAL CAPACITY

BODY TEMP

TOTAL WORK

DATE 7/10/72

M171 LOG

DATE 7/10/72

CONT.

CREWMAN-

DAY-203 TIME-

REMARKS

[illegible]

M171 LOG

TIME

HEART
RATE

DI
SYSTEMIC

MASTOLIC

11AC02

02
CONSUMED
C021

Ratio 02

MINUTE
VOLUME

DAY-

REWMAN
REMARKSTIME
WORKS

1

1

CABIN AIR

VITAL CAPACITY

BODY TEMP

TOTAL WORK

DATE 7/10/72

TIME

HEART RATE

MASTOLIC

MAC02

CONSUMED
02/02
RATIO
MTH

INUTE
VOLUME

CREWMAN-
DAY-208

TIME-

REMARKS

CABIN AIR

VITAL CAPACITY

BODY TEMP

TOTAL WORK

DATE 7/10/72

DATE 7/10/72

CREWMAN- Thompson

DAY-205 TIME-210G

REMARKS

M171 LOG

TIME

[illegible]

M171 LOG

DATE 7/10/72

CREWMAN- THORNTON

DAY- 206 TIME-

REMARKS

TIME	HEART RATE	SYSTOLIC	DIASTOLIC	MACO2	CONSUMED O2	CO2/O2 RATIO	MINUTE VOLUME	UNIT	CABIN AIR	VITAL CAPACITY	BODY TEMP	REMARKS
5 PSI	- 30 MIN TEST								4.795			
2500	81											
2400	116			1.250	0.567	2.221	49.8					
2300	124			1.950	0.520	2.930	64.9					
2200	120			2.140	1.539	1.441	78.5					
2100	122			2.200	0.853	2.639	77.3					
2000	123			2.120	1.619	1.355	75.5					
1900	WENT	MODE II										
1800	120			2.220	2.235	1.081	79.7					
1700	125			2.230	2.192	1.055	79.3					
1600	120			2.070	2.093	1.027	75.5					
1500	122			2.300	2.260	1.060	82.7					
1400	118			2.360	2.357	1.041	83.7					
1300	MODE I											
1200	119			2.140	1.520	1.456	81.0					TOTAL WORK

TIME

SYSTOLIC

MAC02

02
CONSUMED
CO2/00

MINI
MATTO

VOLUME

CREWMAN-	
DAY- 206	T
REMARKS	

NAME-
IME- CON

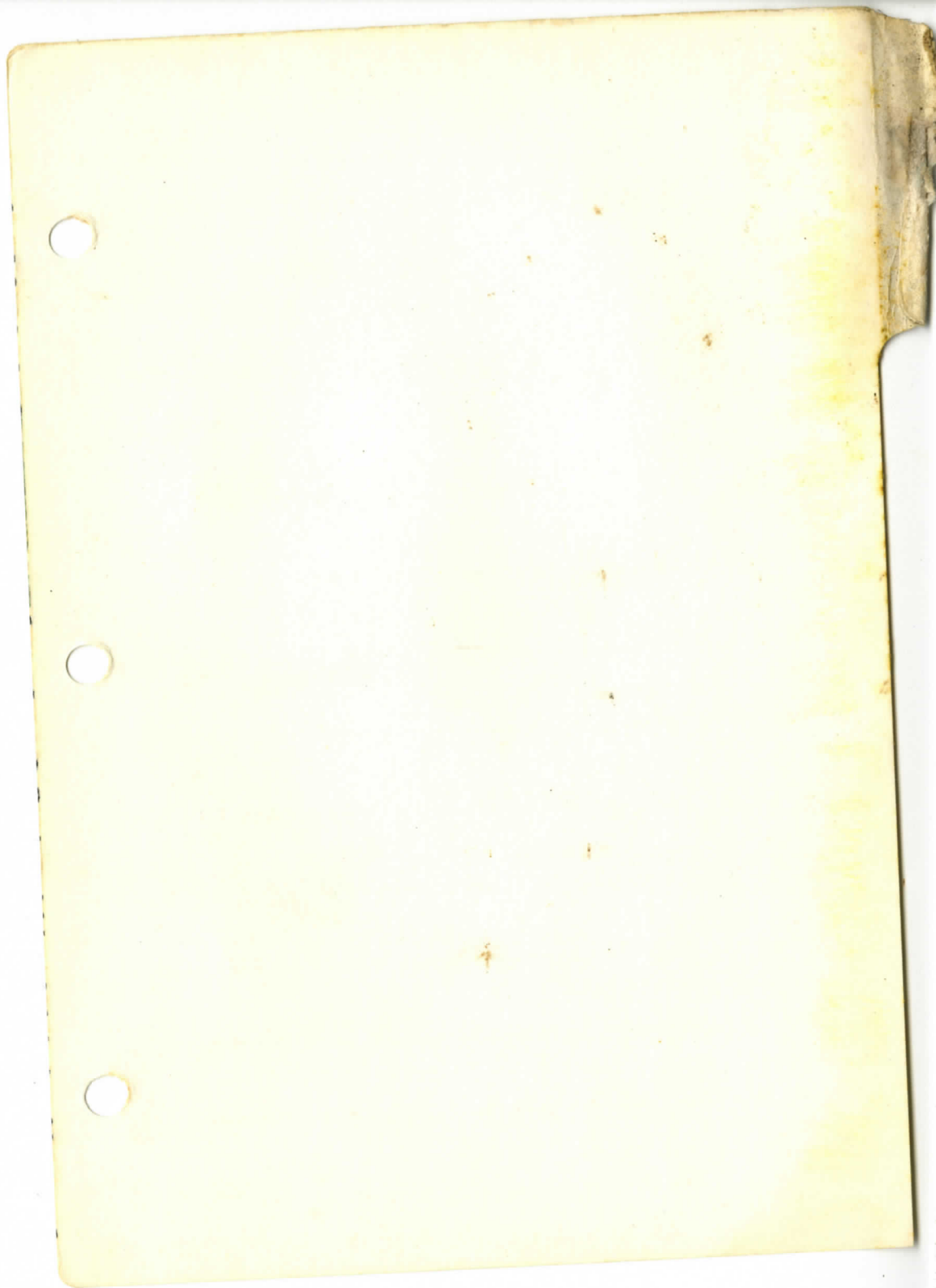
CABIN AIR

VITAL CAPACITY

BODY TEMP

TOTAL WORK

DATE 7/10/72



DATE 6/15/72

CDR- 1903
SPT- 605
PAT- 677

CREWMAN - Thornton				TIME -				HR	MIN	TEMP	
DAY OF YEAR 179				START				1	4	23	70
SMMD UNIT - SMEAT				STOP				1	4	45	73
MASS	SMMD READOUT					MASS	SMMD READOUT				
SEQ 1	1	9	5	0	53	SEQ 6	2	3	7	5	05
0g					53	300g				5	14
0.0					58	54				5	17
					47	300.50				5	06
	1	9	5	0	59		2	3	7	5	19
SEQ 2	2	0	2	7	13	SEQ 7	2	5	0	1	96
50g					15	400g				1	97
50.04					16	400.58				1	93
					17					2	09
	2	0	2	7	16		2	5	0	1	99
SEQ 3	2	1	0	1	16	SEQ 8	2	6	2	2	87
100g					10	500g				2	74
100.03					16	500.62				2	71
					14					2	81
	2	1	0	1	10		2	6	2	2	73
SEQ 4	2	1	7	2	71	SEQ 9	1	9	5	0	40
150g					20	0g				3	6
150.3					71					3	7
					67					4	5
	2	1	7	2	69		1	9	5	0	41
SEQ 5	2	3	0	9	51						
250g					52						
250.28					42						
					46						
	2	3	0	9	36						

DATE 6/15/72

M074 SMMD CALIBRATION

level ckd.

M074 SMMD CALIBRATION

14.7 PSI

CREWMAN - Thornton		TIME -		HR	MIN	TEMP
DAY OF YEAR 182		START		13	46	74 (71)
SMMD UNIT - SMEAT		STOP		14	05	77 (71)
MASS	SMMD READOUT	MASS	SMMD READOUT			
SEQ 1	194889	SEQ 6	23	73	19	
0g	895	300g	23	73	27	
	902903				313	
	921				343	
	892		23	73	21	
SEQ 2	202556	SEQ 7	24	99	92	
50g	55	400g			982	
	53				984	
	51				986	
	202550		24	99	84	
SEQ 3	209939	SEQ 8	26	20	86	
100g	49	500g			076	
	52				077	
	39				094	
	209948		26	21	05	
SEQ 4	217089	SEQ 9	19	48	74	
150g	91	0g			877	
	96		73		873	
	96				873	
	217097		19	48	68	
SEQ 5	230766					
250g	68					
	67					
	66					
	69					
	230768					

M074 SMMD
CALIBRATION

29

DATE 6/15/72

M074 SMMD CALIBRATION

5 PSI 70.5
70.5

CREWMAN - Thornton		TIME -				HR	MIN	TEMP			
DAY OF YEAR 192		START				1	745	73			
SMMD UNIT - SMEAT		STOP				1	800	76			
MASS	SMMD READOUT					MASS	SMMD READOUT				
SEQ 1	194860					SEQ 6	237289				
0g	60					300g	288				
1.0	52					55	90				
	52					5.630	606 95				
3.796	194851						237281				
847											
SEQ 2	202512					SEQ 7	249952				
50g	07					400g	52				
	08					07	53				
4.10	01					6.2	47650 52				
0908	202509						249954				
SEQ 3	209895					SEQ 8	262023				
100g	97					500g	034				
	97					97	036				
4.4	99					6.865	867 20				
05675	209897						262029				
SEQ 4	217048					SEQ 9	194831				
150g	56					0g	31				
	54					52	37				
4.7	500					3.7959	89 33				
11157	217052						194831				
SEQ 5	230723					M=16	2.743 T ²				
250g	25					T	-617.1504				
	18					=163.0033 T ²					
5.3	19					21	-618.3607				
23217	230718										

DATE 6/15/72

7

89

53

22

33

6

DAY 192

SMMD MASS MEASUREMENTS

CM	ITEM		TIME		SMMD	SMMD			
	T	ID	HR	MIN	TEMP	READOUT			
		Drink DBC 379	18	47	75	20	1	2	08
		275						1	95
		39.70 G	4.0	481				2	07
		41.25 M							
		DBC 275				20	2	1	93
		Drink	4.0	885				2	03
		46.70 Gm.						2	00
		47.77 M							
		DBC 424				20	1	8	00
		Drink	4.0	7293					19
		44.31 G							17
		45.23 M							15
		DCB-103	43	166		20	1	4	93
		Spr. + Saw	42	46				5	00
		+ Mylar	4.0	6022				5	04
		+ inner can							
		3 Lid. 27.72							
		Strawberry				20	1	9	42
		DBG 142	45	99					31
		+ Mylar	45	39					37
		+ in. can	4.0	7757					31
		5 Lid 30.51							37
URINE VOIDS		CRIPPEN	THORNTON		BOBKO				

-618.354

163.002

DATE 7/10/72

DAY Contd.

SMMD MASS MEASUREMENTS

CM	ITEM		TIME		SMMD TEMP	SMMD READOUT			
	T	ID	HR	MIN					
		Tuna Spr				1	9	6	6
		E lid only	All						6
		DJC-105	recorded						6
									6
									7
		3.86752							0
									5
		Asparg-				2	0	1	7
		Can't tape it Myl + inner							7
		DDB-002	All						0
		4.06869							6
		43.54 G 44.78 M							9
		Cream Cord							3
		DFE 115							7
		4.06587	All						1
		44.41 M							3
		43.39							
		Zero				1	9	4	8
									0
									7
									1
									4
									8
			19	35	78				0
B F		FD1866	19	50	77	2	1	8	3
		158.5							7
									7
									7
									7
URINE VOIDS		CRIPPEN		THORNTON		BOBKO			

DATE 7/10/72

DAY 1.93

SMMD MASS MEASUREMENTS

CM	ITEM		TIME		SMMD		SMMD			
	T	ID	HR	MIN	TEMP		READOUT			
		Drink Cont			72		22	72	99	
		059					22	79	47	
		0 Drink	62	64 Gm					90	
			62	43 *			20	44	87	
		Tare	24	27			79	77	80	
T F		FD1796	14	40			22	79	47	
		FW = 99.22							903	
		inch.							09	
		TW 9888							08	
		MDAC							06	
		TW 6wipes		1 wipe = 2.69			22	79	10	
		= 16.13 Gm		16.13						
		Tot 227.40		18.82						
		-Tare 118.04 (wipes)		39.22						
		109.36		118.04						
T F		FD1795	03	07	74		22	16	70	
		Day 194							77	
		181.65 G GW-							65	
		Tare 96.05 - 10.39		sealing					53	
									58	
C F		FD1864	14	20	72		22	15	60	
		194							55	
									54	
									74	
									44	
URINE VOIDS		CRIPPEN		THORNTON		BOBKO				

DATE 7/10/72

M074 SMMD CALIBRATION

CREWMAN - <u>W.T.</u>		TIME -		HR	MIN	TEMP
DAY OF YEAR <u>193</u>		START		<u>18</u>	<u>37</u>	<u>73</u>
SMMD UNIT - SMEAT		STOP		<u>19</u>	<u>00</u>	<u>76</u>
MASS	SMMD READOUT	MASS	SMMD READOUT			
SEQ 1 0g	<u>194870</u> <u>65</u> <u>67</u> <u>72</u> <u>66</u> <u>194862</u>	SEQ 6 300g	<u>237312</u> <u>22</u> <u>41</u> <u>38</u> <u>237323</u>			
SEQ 2 50g	<u>202524</u> <u>23</u> <u>26</u> <u>10</u> <u>202520</u>	SEQ 7 400g	<u>250007</u> <u>249987</u> <u>80</u> <u>87</u> <u>249992</u>			
SEQ 3 100g	<u>209906</u> <u>06</u> <u>04</u> <u>899</u> <u>209920</u>	SEQ 8 500g	<u>262034</u> <u>040</u> <u>46</u> <u>61</u> <u>060</u>			
SEQ 4 150g	<u>217078</u> <u>086</u> <u>077</u> <u>069</u> <u>072</u>	SEQ 9 0g	<u>194850</u> <u>59</u> <u>54</u> <u>55</u> <u>57</u> <u>48</u>			
SEQ 5 250g	<u>230765</u> <u>67</u> <u>58</u> <u>59</u> <u>52</u> <u>46</u>	Start Temp	<u>070</u> <u>070</u> <u>071</u> <u>071</u>			
		Sensor on Elect Pkg (1) + P/17 Proj. (2) *				

DATE 6/15/72

* T 487 mech. probe

DAY

SMMD MASS MEASUREMENTS

URINE VOIDS

CRIPPEN

THORNTON

BOBK0

DAY

193

All readings recorded

SMMD MASS MEASUREMENTS

CM	ITEM		TIME		SMMD TEMP	SMMD READOUT					
	T	ID	HR	MIN							
-	R	3 Berry, in			71	2	0	2	4	4	2
		Bag + Tape 5	47	97gm						5	5
		lid DBG 151	47	82*				49.6		5	8
		tare	41	11				+ 1.03		4	3
								2	0	2	4
								5	7		
		C Flakes in	45	34				2	0	2	0
		bag + tape 3 lid	45	22*						2	3
		DAE-104 Tare	41	03				46.5		3	8
								+ 1.3		1	1
								2	0	2	0
								2	8		
		A Sauce can	50	13				2	0	2	6
		+ 1/2 diaphr. + bag	50	02*						6	6
		+ tape DDC 138	28	55						6	0
										7	3
										7	2
		Drink cont.	60	30				2	0	4	1
		099	60	05*						1	1
		tare	26	21						2	5
										1	7
								2	0	4	1
								2	0	4	1
		Drink	39	53				2	0	1	0
		273	39	37*						4	9
		tare	26	33				40 Gm		3	4
		125%								4	3
								2	0	1	0
								1	0	1	8
URINE VOIDS		CRIPPEN		THORNTON		BOBKO					
		* outside wts.									

DATE 7/10/72

M074 SMMD CALIBRATION

CREWMAN - <i>W.T.</i>				TIME -				HR	MIN	TEMP	
DAY OF YEAR <i>203</i>				START				<i>16</i>	<i>23</i>	<i>73</i>	
SMMD UNIT - SMEAT				STOP							
MASS	SMMD READOUT					MASS	SMMD READOUT				
SEQ 1	<i>1</i>	<i>9</i>	<i>4</i>	<i>8</i>	<i>9</i>	SEQ 6	<i>2</i>	<i>3</i>	<i>0</i>	<i>7</i>	
0g					<i>5</i>	<i>300g</i>				<i>5</i>	
	<i>8</i>	<i>9</i>			<i>9</i>	<i>250</i>	<i>4</i>	<i>8</i>		<i>4</i>	
					<i>7</i>	<i>stopped</i>				<i>5</i>	
					<i>7</i>	<i>1632</i>	<i>2</i>	<i>3</i>	<i>0</i>	<i>7</i>	
SEQ 2	<i>2</i>	<i>0</i>	<i>2</i>	<i>5</i>	<i>4</i>	SEQ 7	<i>2</i>	<i>5</i>	<i>0</i>	<i>0</i>	
50g					<i>3</i>	400g				<i>1</i>	
					<i>4</i>					<i>0</i>	
					<i>3</i>					<i>9</i>	
					<i>2</i>					<i>9</i>	
	<i>2</i>	<i>0</i>	<i>2</i>	<i>5</i>	<i>4</i>		<i>2</i>	<i>4</i>	<i>9</i>	<i>9</i>	
SEQ 3	<i>2</i>	<i>0</i>	<i>9</i>	<i>9</i>	<i>2</i>	SEQ 8	<i>2</i>	<i>6</i>	<i>2</i>	<i>0</i>	
100g					<i>8</i>	500g				<i>0</i>	
					<i>8</i>					<i>8</i>	
					<i>8</i>					<i>7</i>	
					<i>6</i>					<i>0</i>	
					<i>4</i>					<i>8</i>	
SEQ 4	<i>2</i>	<i>1</i>	<i>7</i>	<i>0</i>	<i>8</i>	SEQ 9	<i>1</i>	<i>9</i>	<i>4</i>	<i>8</i>	
150g					<i>1</i>	0g				<i>6</i>	
					<i>7</i>					<i>4</i>	
					<i>9</i>		<i>6</i>	<i>6</i>		<i>6</i>	
					<i>1</i>					<i>7</i>	
					<i>2</i>					<i>1</i>	
SEQ 5	<i>2</i>	<i>3</i>	<i>7</i>	<i>3</i>	<i>0</i>	<i>0</i>				<i>9</i>	
250g					<i>1</i>	<i>start</i>				<i>4</i>	
<i>300</i>	<i>1</i>	<i>1</i>			<i>3</i>					<i>8</i>	
					<i>1</i>					<i>8</i>	
	<i>2</i>	<i>3</i>	<i>7</i>	<i>3</i>	<i>1</i>					<i>8</i>	
					<i>1</i>					<i>6</i>	

DATE 6/15/72

16

19

13

13

Grav-bal. = NASA T00837

M074 SMD CALIBRATION

Probe - 62°F ±1
70 #2

CREWMAN - W.T.						TIME - HR MIN TEMP									
DAY OF YEAR 206						START 1 7 3 4 7 2									
SMD UNIT - SMEAT						STOP 5 2 7 4									
MASS		SMD READOUT				MASS		SMD READOUT							
8	SEQ 1	1	9	4	8	8	6	SEQ 6	2	3	7	3	0	9	
	0g						5	300g					0	6	
		8	1				7	8					1	3	
							7	8					1	1	
		1	9	4	8	7	8					0	0		
	SEQ 2	2	0	2	5	3	0	SEQ 7	2	4	9	9	8	9	
	50g						2	8	400g				9	7	3
							3	3					7	7	
							2	7					7	5	
							2	3					7	7	
	SEQ 3	2	0	9	9	1	0	SEQ 8	2	6	2	0	6	8	
	100g						2	3	500g				1	1	6
							2	3					1	0	1
							1	6					0	8	5
							2	4					0	6	1
	SEQ 4	2	1	7	0	7	5	SEQ 9	1	9	4	8	5	9	
	150g						6	4	0g				5	6	5
							6	4		5	8		5	8	
							6	9					5	6	
		2	1	7	0	7	2		1	9	4	8	5	1	
10	SEQ 5	2	3	0	7	4	4	500g	2	6	2	0	6	6	
	250g						4	2	control				6	7	
		4	0				4	4					1	0	9
							3	4					1	2	5
							3	7					0	6	9

DATE 6/15/72

14

M074 SMMD CALIBRATION

CREWMAN -					TIME -					HR	MIN	TEMP						
DAY OF YEAR					2	0	6	START					1	2	0	1		
SMMD UNIT - SMEAT					STOP													
MASS		SMMD READOUT					MASS		SMMD READOUT									
SEQ 1		2 0 9 8 9 3					SEQ 6		1 9 7 1 8 5									
100g							300g											
ctr-		8 7							1 8 7									
+ lock		9 7					14.28		1 9 0									
		8 5					Lge.		1 8 7									
		8 8					Can		1 8 7									
							ctr-											
SEQ 2		2 0 9 9 2 1					SEQ 7		1 9 6									
-50g							400g		1 9 0									
100		2 5					14.28		1 9 7									
ctr-		2 5					Can											
in bottom		2 9					Left											
by sheet		2 7																
only																		
SEQ 3		2 0 9 9 8 5					SEQ 8		0 7 2									
100g		9 8 7					500g		0 6 7									
left		8 6					Can		0 7 2									
bot-							Rti											
SEQ 4		2 0 9 8 8 8					SEQ 9		1 9 7 1 2 1									
-150g		9 2					0g		1 2 3									
100		9 3					ctr-		1 2 8									
Rti																		
bot-																		
SEQ 5		2 0 9 9 2 2					Flat		1 9 7 0 6 7									
-250g		1 9					Can		0 7 2									
100		2 2					14.31		0 6 8									
ctr-									0 7 2									

DATE 6/15/72

M074 SMD CALIBRATION

CREWMAN - WT		TIME -		HR	MIN	TEMP
DAY OF YEAR 206		START				
SMD UNIT - SMEAT		STOP				
MASS	SMD READOUT	MASS	SMD READOUT			
SEQ 1	1 9 7 0 7 1	SEQ 6			0 6 5	
0g		300g			0 5 5	
Can		Can			0 5 9	
Rat		Flat				
90g						
SEQ 2		SEQ 7	1 9 4 8 2 1			
50g	0 7 1	400g			8 2 1	
Can	7 3	-0-			8 2 1	
Lt.	7 2					
SEQ 3		SEQ 8	2 2 6 0 4 4			
100g	0 5 7	500g			0 4 4	
Can	5 1	spaghet			0 5 6	
Rt	5 0	in			0 5 5	
		can			0 4 5	
		+mylar				
		21378				
SEQ 4		SEQ 9				
150g	0 5 6	0g				
Can	6 4	Tape	1 0.20			
Ctr	0 5 6					
SEQ 5	1 9 7 1 5 4					
250g						
	1 5 2					
250g	1 5 0					

DATE 6/15/72

SMMD CALIBRATION CURVE

DATE 6/15/72

T (SECONDS PER 3 OSCILLATIONS)

1.978
1.974
1.970
1.966
1.962
1.958
1.954
1.950
1.946

20 COUNT
BY 0.2g
SCALE

SMEAT
SMMD UNIT
S/N DH-1

M (MASS IN GRAMS)

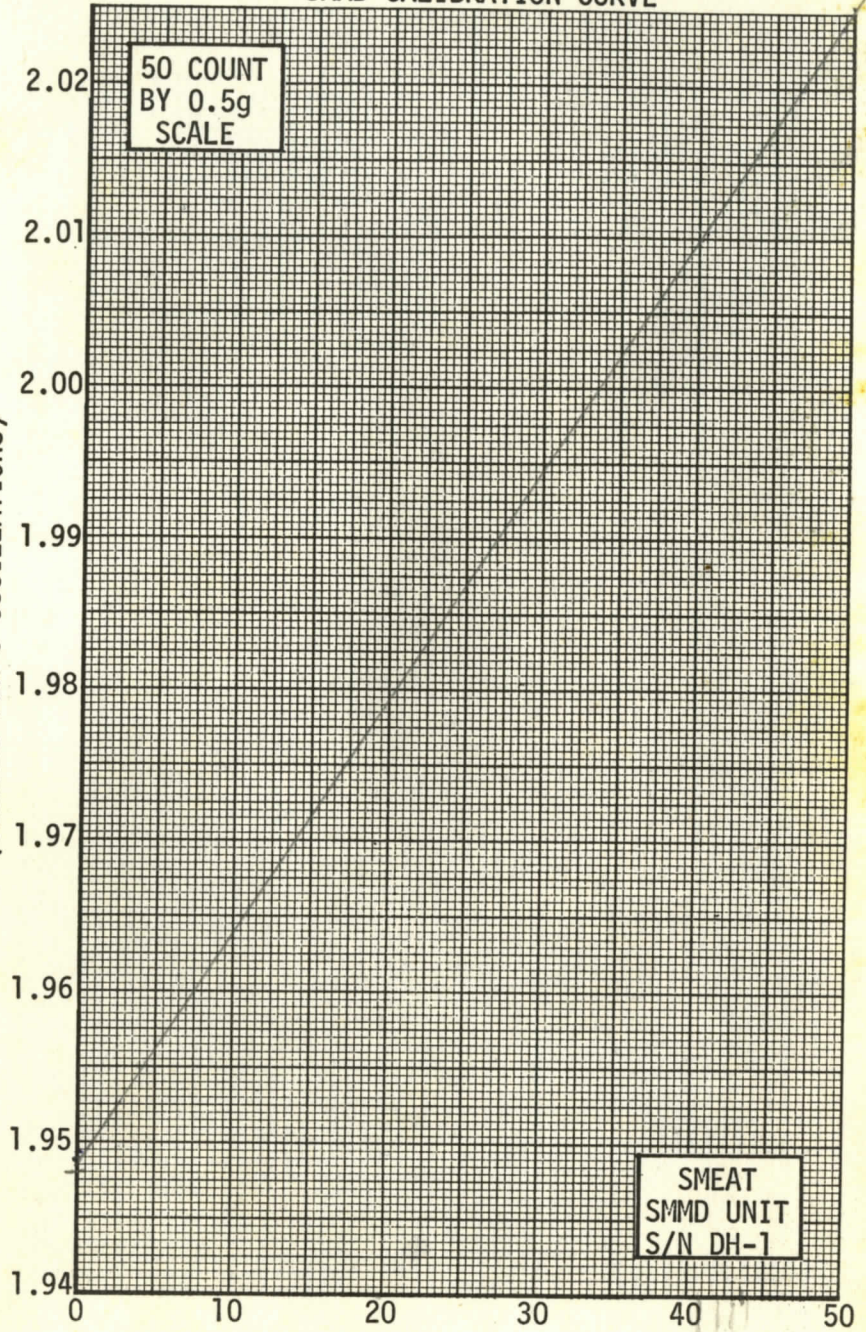
0 4 8 12 16 20

SMMD CAL CURVE
20 COUNT BY 0.2g

SMMD CALIBRATION CURVE

DATE 6/15/72

T (SECONDS PER 3 OSCILLATIONS)

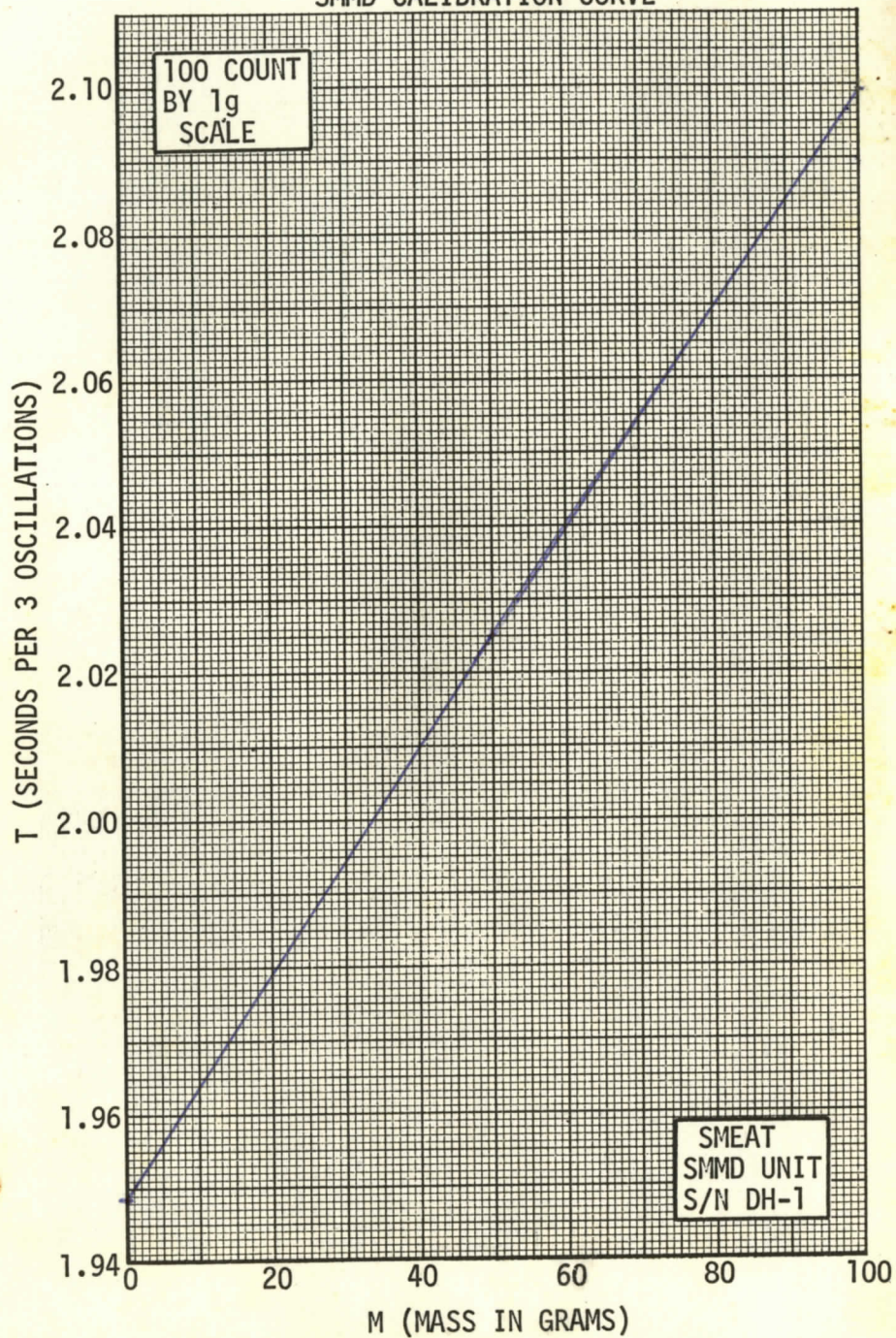


M (MASS IN GRAMS)

SMMD CAL CURVE
50 COUNT BY 0.5g

SMD CALIBRATION CURVE

DATE 6/15/72



100 COUNT
BY 1g
SCALE

SMEAT
SMD UNIT
S/N DH-1

SMD CAL CURVE
100 COUNT BY 1g

SMD CALIBRATION CURVE

DATE 6/15/72

T (SECONDS PER 3 OSCILLATIONS)

2.7
2.6
2.5
2.4
2.3
2.2
2.1
2.0
1.9

500 COUNT
BY 5g
SCALE

SMEAT
SMD UNIT
S/N DH-1

M (MASS IN GRAMS)

SMD CAL CURVE
500 CC'NT BY 5g

M133 LOG

CREWMAN - Thornton

ESTIMATED SLEEP QUANTITY/QUALITY

[illegible]

M133 LOG

DATE 4/28/72

- | | SLEEP QUALITY
CODES |
|---|------------------------|
| 1 LONG TIME TO FALL ASLEEP | |
| 2 FREQUENT AWAKENING | |
| 3 UNSCHEDULED AWAKENING COULD NOT RETURN TO SLEEP | |
| 4 VERY SLEEPY AFTER SCHEDULED AWAKENING | |

DATE 4/28/72

M487 LOG

DOY	TIME	REMARKS (IDENTIFY SUBJECT AND/OR OBSERVER AS APPROPRIATE)
1821945		B0610 787C
		With a temp of 68.3 showing on the
		monitor, the floor at 100L was 68.7
		of wall near C-1 70.2
		locker 707 70.0
		Food pedestal 72.5
		Switch in SPT 70.6
		floor in SPT 69.7
		Thermistors measured with thermometer
		Food pedestal 72.5
		On 4 BNP 70.0
		SPT temp. 72.5
1922005		Air Velocity
		Ward room 2' above table 2-4 FPM
		Ergometer 5 "
		SPT Bunk at 2' high, center 3 "
		COR " " 1' " 1 "
		PLT " " " 1-2 "

DOY	TIME	REMARKS (IDENTIFY SUBJECT AND/OR OBSERVER AS APPROPRIATE)
		Air Velocity, cont'd.
		South table Upstairs @ light level - 3 FPM
1822042		VELOCIMETER HEAD BY FECHL COLLECTOR 2 1/2' ABOVE 21 fpm next
		HEAD BY FLOOR GRID - 2" ABOVE DECK 210 fpm
		SPT SLEEP CNT FLOOR GRID - 2" ABOVE DECK 21 fpm
		EXP IMPT BY ERGOMETER WITH FAN GOING 18 IN FAN - 100 fpm
		FORCE TO OPEN CSNPD - 23 1/2 TO ACTIVATE WMC WATER - 13 1/2

DATE 4/28/72

M487 LOG

DOY	TIME	REMARKS (IDENTIFY SUBJECT AND/OR OBSERVER AS APPROPRIATE)
182	1732	Bobro measuring Thornton on lake
		at food indicated at LBNP
		31.5 - 70 db 65 db
		63 - 63 60 db
		125 - 68 68 db
		250 - 72 71
		500 - 79 81
		1000 - 71 76
		2000 - 63 67
		4000 - 55 62
		8000 - 52 53
		16000 - 45 46
		31500 - 22 26
		Thornton meas temp.
		inside floor of chiller 2 1/2" from door - 55.5°F
		(very slow to stabilize) TC - 34.8
		on wall of chiller 11.0°F
		T.C. was -4 on wall - 7 in.

