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Folder ID Number: 52065-005

Folder Title:
[TIRR] New Options Research Notes [1975-1978] [2]

Stack: **Row:** **Section:** **Shelf:** **Position:**

STUDY → TIME SINCE ONSET OF INJURY BEFORE ENTERING NEW OPTIONS

→ INCLUDES: RTM STUDY

ODOMETER STUDY

Bush Library Photocopy

ODOMETER GRAPH

— ave. daily mileage for each week shown

Representing participants injured 0 to 12 months before entering New Options.

(Data collected from an ave. of 7 participants for each weekly category, over 11, 6 week cycles.)

ODOMETER STUDY

+D PARTICIPANTS INJURED (0–12) MONTHS BEFORE ENTERING NEW OPTIONS.

Week One N = 4 AVE. = **1.0**

5m. D.C.				
6m. M.L.				
8m. G.H.				
8m. J.B.				
9m. B.L.	4D	(.87)	.13	.0169
9m. G.B.	4D	(1.1)	.11	.01
6m. M.B.				
12m. S.G.	4D	(1.35)	.35	.1225
~~12m. W.McV.~~				
12m. G.B.	4D	(.67)	.33	.1089

16 DATA DAYS σ = **.254** .2583 / 4 = .0645

Week Two N = 7 AVE. = **1.15**

D. Culley	4D	(.53)	.62	.3844
B. Lewis	5D	(1.0)	.15	.0225
M. Lancaster				
G. Hill	5D	(.978)	.172	.0295
G. Bell	4D	(1.9)	.75	.5625
S. Guest	4D	(1.85)	.7	.49
M. Bamidge	5D	(.83)	.32	.1024
G. Bilnoski	5D	(.95)	.2	.04
J. Ballard				

1.6313 / 7 = .23304

σ = **.483**

32 DATA DAYS

1.15 .49 1.63

.15 .49 .67

1.15 .49 1.63

Week Three N = 9 AVE. = 1.37

D. Conley	3D (.76)	.61	.3721
B. Lewis	5D (1.2)	.17	.0289
M. Lancaster	5D (1.38)	.01	.0001
G. Hill	5D (1.49)	.12	.0144
G. Bell	5D (2.4)	1.23	1.5129
S. Guest	5D (1.74)	.37	.1369
M. Bamidge	5D (.52)	.85	.7225
G. Bilnoski	5D (.62)	.75	.5625
J. Ballard	5D (2.0)	.63	.3969
			3.7472

3.7472 / 9 = .4164 =

43 DATA DAYS σ = .65

1.37 − .65 = .72

Week Four N = 8 AVE. = 1.35

D. Conley	4D (.4)	.95	.9025
B. Lewis			
M. Lancaster	5D (1.36)	.01	.0001
G. Hill	5D (1.47)	.12	.0144
G. Bell	5D (2.48)	1.13	1.2769
S. Guest	5D (1.46)	.11	.0121
M. Bamidge	5D (.70)	.65	.4225
G. Bilnoski	5D (.63)	.72	.5184
J. Ballard	5D (2.3)	.95	.9025
			4.0494

4.0494 / 8 = .5062

39 DATA DAYS σ = .711

1.35 − .71 = .64

1.35 − .71 = 1.06

Week Five. N = 7 AVE. = 1.38

D. Conley				
B. Lewis				
M. Lancaster	5D	(1.25)	.13	.0169
G. Hill	5D	(1.74)	.36	.1296
G. Bell	5D	(1.36)	.02	.0004
S. Guest	5D	(1.1)	.28	.0784
M. Bamidge	5D	(.93)	.45	.2025
G. Bilnoski	5D	(.98)	.4	.16
J. Ballard	5D	(2.3)	.92	.8464

1.4342 / 7 = .205 =

35 DATA DAYS G = .453

Week Six N = 7 AVE. = 1.31

D. Conley	4D	(.5)	.81	.6561
B. Lewis				
M. Lancaster	4D	(.77)	.54	.2916
G. Hill	4D	(.65)	.66	.4356
G. Bell	4D	(.72)	.59	.3481
S. Guest	4D	(2.4)	1.09	1.1881
M. Bamidge				
G. Bilnoski	5D	(1.62)	.31	.0961
J. Ballard	4D	(2.5)	1.19	1.4161

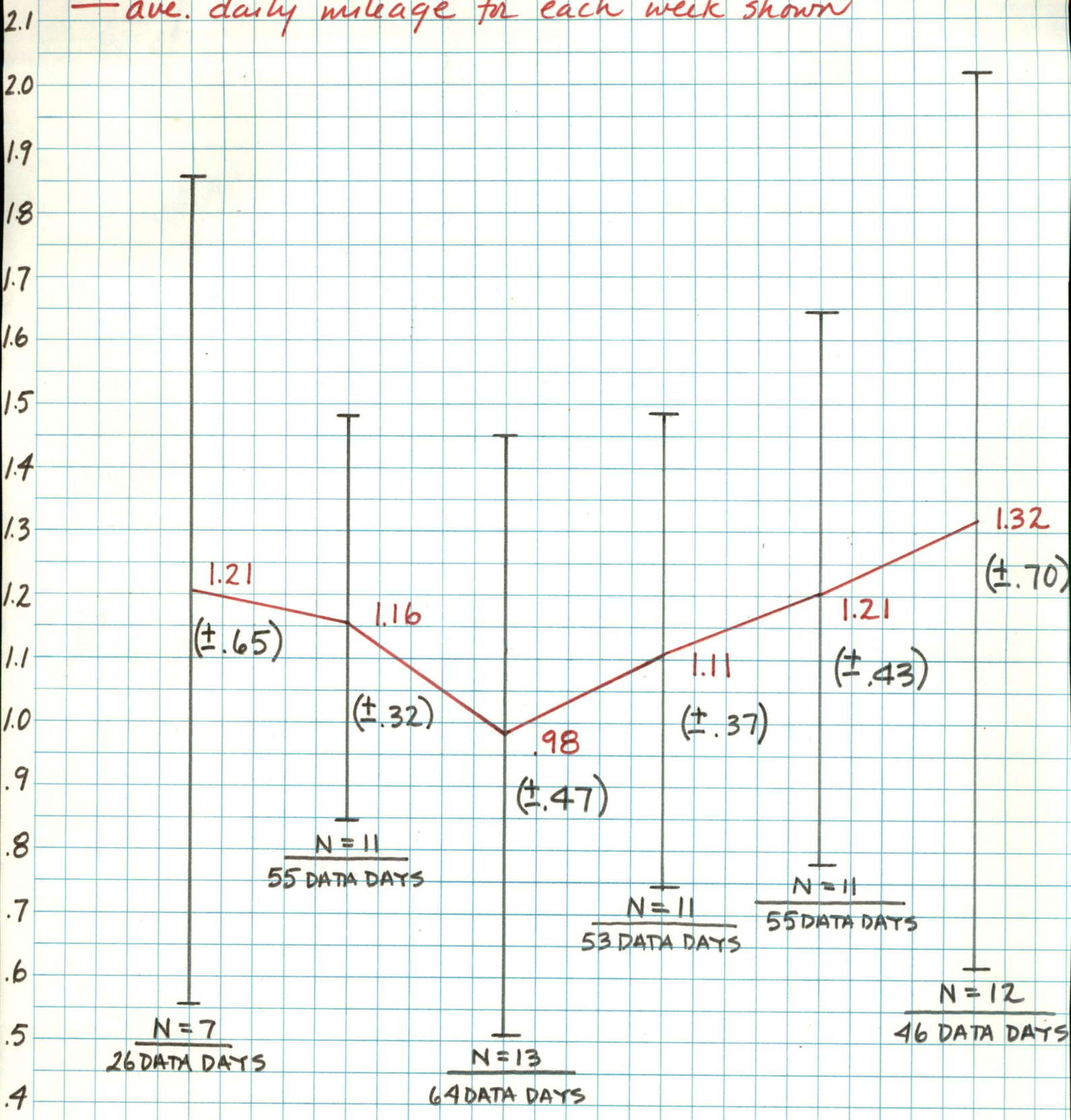
4.4317 / 7 = .633

G = .8

29 DATA DAYS

ODOMETER GRAPH

— ave. daily mileage for each week shown



Representing participants injured 13 months to 3 years before entering New Options

(Data collected from an average of 11 participants for each weekly category, over 11, 6 week cycles.)

ODOMETER STUDY

— 4 PARTICIPANTS INJURED (13 months to 3 yrs.) before entering New Options.

Week One. N = 7 AVE = 1.21

A. Rye. ①					
C. Cameno. ①	4D	(1.01)	.17	.0289	.4123
G. Jordan					
P. Wand.					
N. Justiss	4D	(.5)	.71	.5041	.8486
C. Lunn	4D	(2.0)	.79	.6241	.8888
S. Tuck.					
G. Witt					
~~E. Bolt.~~					
R. Mimary					
M. Alford.	4D.	(2.32)	1.11	1.2321	1.053
G. Smith.	4D	(.97)	.24	.0576	.4898
A Cervantez	3D	(1.13)	.98	.0064	.2828
H.C. Ceasar					
C. Harrison.	3D	(.53)	.68	.4624	.8246

2.9156

2.9156 / 7 = .416

σ = .645 (.65)

26 DATA DAYS

1.21 + .65 = 1.86

1.21 − .65 = .56

Week Two. N = (11) AVE. = 1.16

55 DATA DAYS σ = .32

A. Rye.					
C. Carreno.	5D	(1.68)	.52	.7211	.2704
G. Gordon	5D	(1.3)	.14	.3741	.0196
P. Ward	5D	(1.3)	.14	.3741	.0196
D. Justiss	5D	(.7)	.46	.6782	.2116
C. Lum	5D	(1.4)	.24	.4898	.0576
S. Tack	5D	(.9)	.26	.5099	.0676
G. Wit					
~~E. Bell~~					
R. Murray	5D	(.83)	.33	.5744	.1089
M. Alford	5D	(1.65)	.49	.7	.2401
G. Smith	5D	(1.0)	.16	.4	.0256
A. Cervantez	5D	(.83)	.33	.5744	.1089
H. Ceasar	5D	(1.2)	.04	.2	.0016
C. Harrison					1.1315/11

1.16 / .32 / 1.48

1.16 / .32 / .84

Week 3 N = (13) 64 DATA DAYS AVE = .98

σ = .47

A. Rye.					
C. Carreno.	5D	(1.68)	.7	.49	.8364
G. Gordon	5D	(.42)	.56	.3136	.7483
P. Ward	5D	(1.6)	.62	.3844	.7874
D. Justiss	5D	(.75)	.23	.0529	.4795
C. Lum	5D	(1.0)	.02	.0004	.1414
S. Tack	5D	(.4)	.58	.3364	.7625
G. Wit	5D	(.5)	.48	.2304	.6928
R. Murray	5D	(.53)	.45	.2025	.6708
M. Alford	5D	(1.90)	.92	.8464	.9591
G. Smith	5D	(.12)	.06	.0036	.0949
A. Cervantez	5D	(1.10)	.12	.0144	.3464
H. Ceasar	5D	(.86)	.1	.01	.3162
C. Harrison	4D	(1.1)	.12	.0144	.3464

2.8994/13 = .223

.28 / .42 / 1.45

.98 / .47 / 51

Week four N = (11) AVE. = 1.11

A. Rye.	SD • (1.0)	.11	.3316	.0121
C. Carreno.	SD • (1.62)	.51	.7141	.2601
G. Gordon.	SD • (.54)	.57	.7549	.3249
P. Ward.	SD • (1.7)	.59	.7681	.3481
D. Justin	———			
C. Lum	———			
S. Tuck.	SD • (1.4)	.29	.5385	.0941
G. Witt	SD • (.9)	.21	.4582	.0441
R. Murray	SD • (.75)	.36	.6	.1296
M. Alford.	SD • (1.3)	.19	.4358	.0361
G. Smith.	SD • (1.3)	.19	.4358	.0361
A. Cervantez	SD • (.67)	.44	.6633	.1936
H. Ceasar.	SD (1.1)	.01	.1	.0001
C. Harrison	———			1.4689/11

σ = .38

Week Five N = (11) AVE. = 1.21

A. Rye	SD (1.2)	.01	.0001	.1
C. Carreno	SD (1.3)	.09	.0081	.3
G. Gordon	SD (1.7)	.49	.2401	.7
P. Ward	SD (1.6)	.39	.1521	.6244
D. Justin	———			
C. Lum	SD (.3)	.91	.8281	.9539
S. Tuck	SD (1.2)	.01	.0001	.1
G. Witt	———			
R. Murray	SD (.96)	.25	.0625	.5
M. Alford	SD (1.88)	.67	.4489	.8185
G. Smith	SD (.92)	.29	.0841	.5385
A. Cervantez	———			
H. Ceasar	SD (1.4)	.19	.0361	.4358
C. Harrison	SD (.85)	.36	.1296	.6

1.9898/11

σ = .43

55 DATA DAYS

Week Six N = (12) AVE. = 1.32

A. Rye.	40	(1.1)	.22	.0484
C Canero				
G. Gordon	40	(2.1)	.78	.6084
P. Ward	40	(2.6)	1.28	1.6384
D. Justiss	40	(1.1)	.22	.0484
C. hun	40	(1.2)	.12	.0144
S. Tuck.	40	(1.2)	.12	.0144
G. Witt	40	(.5)	.82	.6724
R. Mumary	40	(.64)	.68	.4624
M. Alfred	30	(2.61)	1.29	1.6641
G. Smith	30	(1.03)	.29	.0841
A Cervantez				
H. Casar	40	(1.2)	.12	.0144
C Harrison	40	(.58)	.74	.5476

5.8174 / 12 = .485

σ = .696

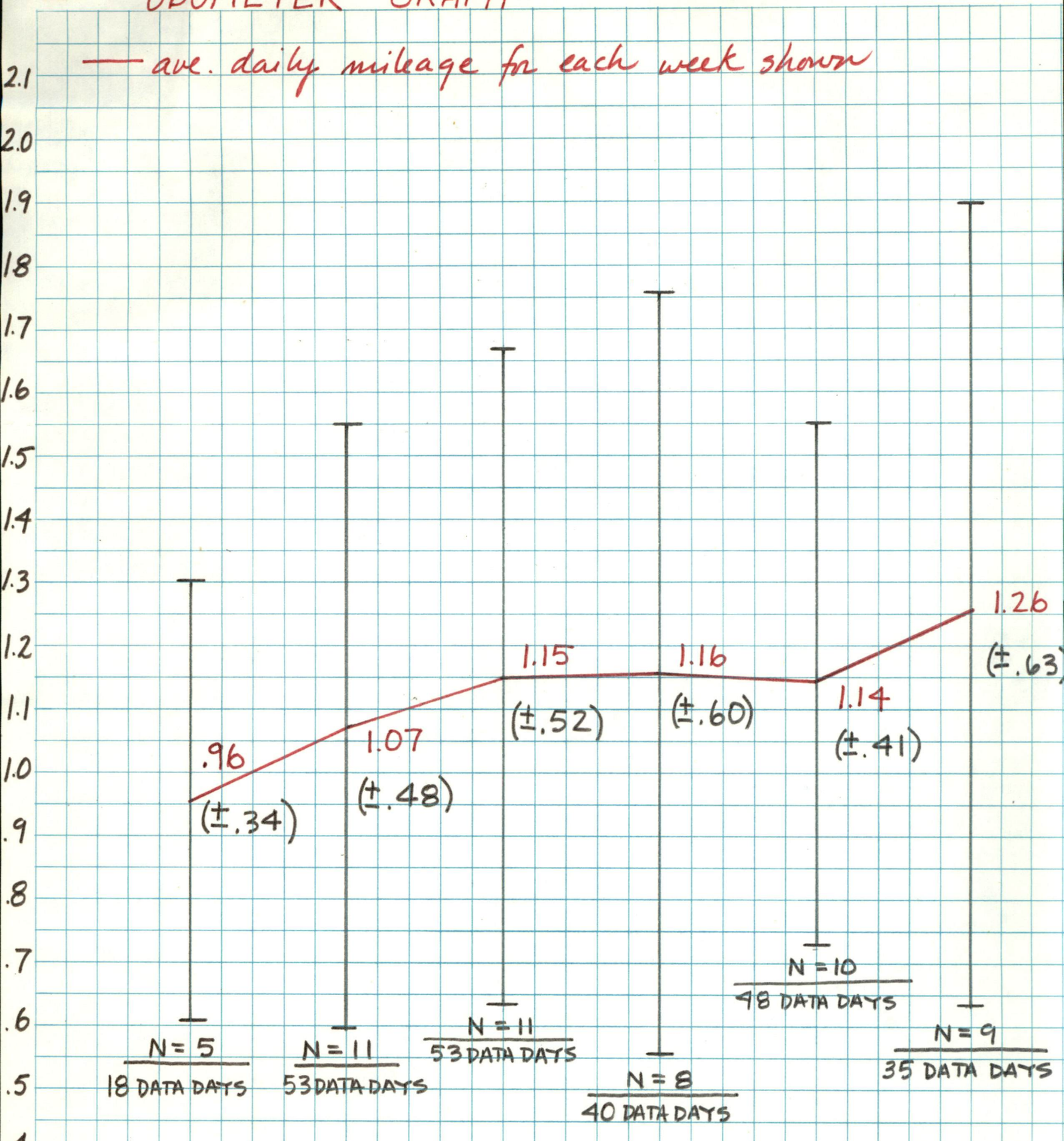
46 Data Days

1.32 − .70 = .62

1.32 + .70 = 2.02

ODOMETER GRAPH

— ave. daily mileage for each week shown



Representing participants injured 3 to 10 years before entering New Options

(Data collected from an average of 9 participants for each weekly category, over 11, 6 week cycles.

ODOMETER STUDY — Participants injured (3-10 yrs) before entering New Options.

Week One N = 5 AVE. = .96

J. Bowden	——			
D. Norman	——			
S. Walker	——			
S. Wynn	——			
E. Barnes	——			
E. Wilson	——			
K. Chandler	3D	(1.03)	.07	.0049
E. Warren	3D	(.92)	.04	.0016
S. Hoff	——			
P. Handy	4D	(.9)	.06	.0036
J. Lockett	4D	(.44)	.52	.2704
M. Bowe	4D	(1.5)	.54	.2916

18 DATA DAYS σ = .34 .5721 / 5 = .114

Week Two N = 11 AVE = 1.07

J. Bowden	5D	(1.8)	.73	.5329	.8544
D. Norman	5D	(1.0)	.07	.0049	.2645
S. Walker	5D	(.7)	.37	.1369	.6982
S. Wynn	5D	(.3)	.77	.5929	.8774
E. Barnes	5D	(1.1)	.03	.0009	.1732
E. Wilson	5D	(1.5)	.43	.1849	.6557
K. Chandler	5D	(1.61)	.54	.2916	.7348
E. Warren	5D	(.57)	.5	.25	.7071
S. Hoff	4D	(1.3)	.23	.0529	.4795
P. Handy	5D	(1.4)	.33	.1089	.5744
J. Lockett	4D	(.5)	.57	.3249	.7549
M. Bowe	——			2.4817 / 11 =	.23

53 DATA DAYS σ = .48

Week 3 $N = 11$ AVE = 1.15

J. Bowden	SD (1.4)	.25	.0625	.5
D. Nauman	SD (1.3)	.15	.0225	.3872
S. Walker	SD (.5)	.65	.4225	.8062
S. Wynn	SD (.3)	.85	.7225	.9219
E. Barnes	SD (1.3)	.15	.0225	.3872
E. Wilson	SD (1.0)	.15	.0225	.3872
K. Chandler	SD (1.23)	.08	.0064	.2828
E. Warren	SD (.67)	.48	.2304	.6928
S. Mott	SD (1.3)	.15	.0225	.3872
P. Handy	SD (1.4)	.25	.0625	.5
J. Hockett	—			
M. Bruce	SD (2.31)	1.16	1.3456	1.077

53 DATA DAYS

$\sigma = .52$

$\frac{2.9424}{11} = .267$

Week 4 $N = 8$ AVE. = 1.16

J. Bowden	SD (1.6)	.44	.1936	.6633
D. Nauman	SD (.76)	.4	.16	.6324
S. Walker	SD (.7)	.46	.2116	.6782
S. Wynn	SD (.2)	.96	.9216	.9797
E. Barnes	SD (.9)	.26	.0676	.5099
E. Wilson	SD (1.7)	.54	.2916	.7348
K. Chandler	—			
E. Warren	—			
S. Mott	—			
P. Handy	SD (1.3)	.14	.0196	.3741
J. Hockett	—			
M. Bruce	SD (2.12)	.96	.9216	.9797

40 DATA DAYS

$\frac{2.7872}{8} = .3484$

$\sigma = .59$

Week 5 N = 10 AVE. = 1.14

J. Bowden	SD	(1,1)	.04	.0016	.2
D. Norman	SD	(.74)	.4	.16	.6324
S. Walker	SD	(.9)	.24	.0576	.4898
S. Wynn	SD	(.2)	.94	.8836	.9695
E. Barnes	SD	(1.3)	.16	.0256	.4
E. Wilson	SD	(1.5)	.36	.1296	.6
K. Chandler	3D	(1.31)	.17	.0289	.4123
E. Warren	—				
S. Nott	SD	(1.36)	.22	.0484	.4690
P. Landry	SD	(1.3)	.16	.0256	.4
J. Lockett	—				
M. Bruce	SD	(1.71)	.57	.3249	.7549

48 DATA DAYS σ = .41 $\frac{1.6858}{10} = .16858$

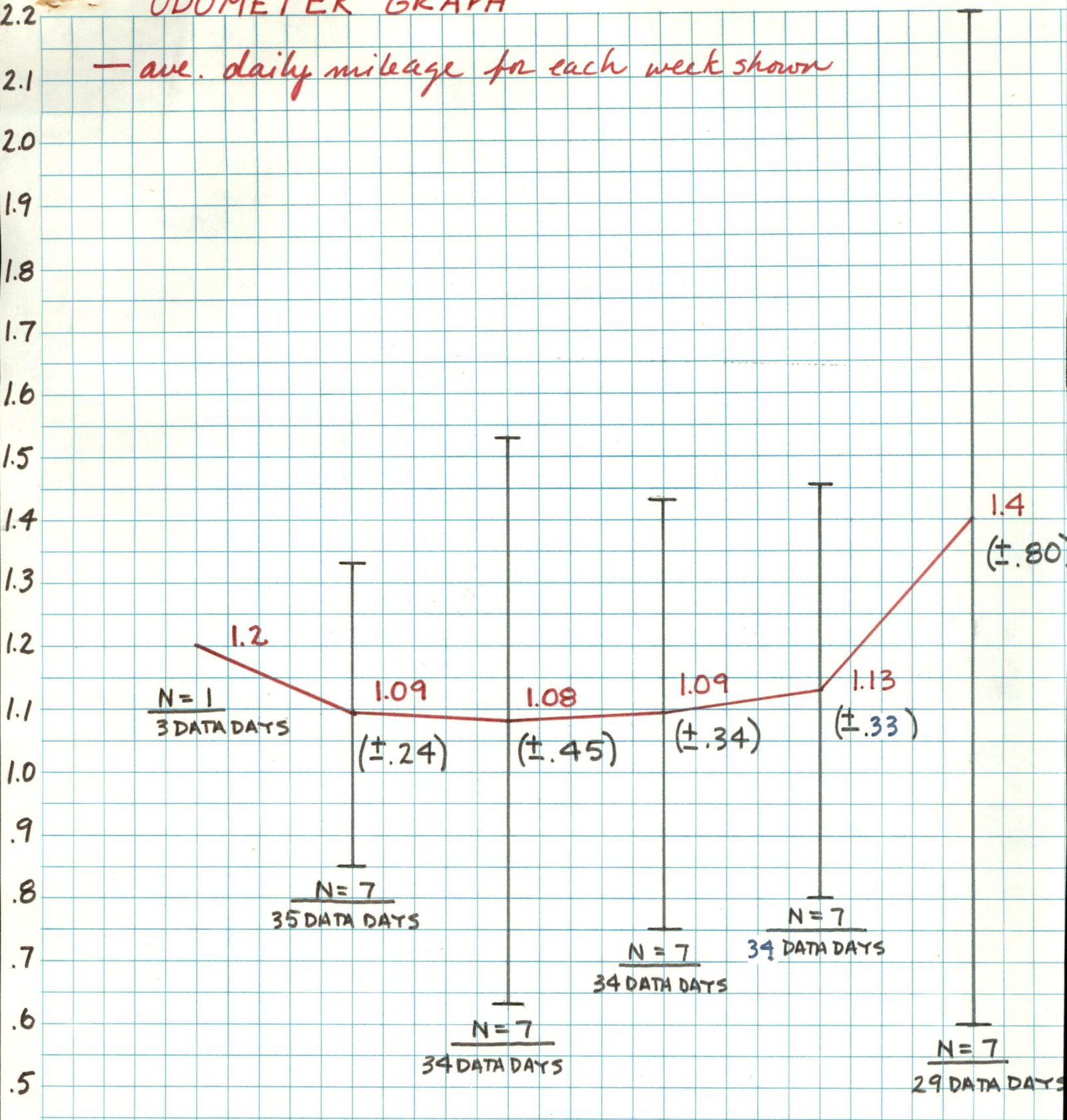
Week 6 N = 9 AVE = 1.26

J. Bowden	3D	(1.6)	.34	.583	.1156
D. Norman	4D	(.64)	.62	.7874	.3844
S. Walker	—				
S. Wynn	4D	(.4)	.86	.9273	.7396
E. Barnes	4D	(1.0)	.26	.5099	.0676
E. Wilson	4D	(1.7)	.44	.6633	.1936
K. Chandler	4D	(2.38)	1.12	1.058	1.2544
E. Warren	—				
S. Nott	4D	(.5)	.76	.8717	.5776
P. Landry	4D	(1.4)	.14	.3741	.0196
J. Lockett	—				
Bruce	4D	(1.73)	.47	.6855	.2209

35 DATA DAYS σ = .63 $\frac{3.5733}{9} = .397$

ODOMETER GRAPH

— ave. daily mileage for each week shown



Representing participants injured <u>10 to 20 years</u> before entering New Options.

(Data collected from an average of 6 participants for each weekly category, over 11, 6 week cycles.)

ODOMETER STUDY

→ Participants injured (10 to 20 yrs) before entering New Options.

Week One

F. Bridges ——
R. Hipp ——
G. Olsen ——
T. Stand. ——
R. Patin ——
C. Ritter ——
T. Fancher 30 (1,2)

N = 1

Ave. = 1.2

$\sigma = 0$.

3 DATA DAYS

Week Two

N = 7

Ave. = 1.09

F. Bridges SD (1.4)	.31	.0961	.5567
R. Hipp SD (1.2)	.11	.0121	.3316
G. Olsen SD (.76)	.33	.1089	.5744
T. Stand SD (.9)	.19	.0361	.9358
R. Patin SD (1.1)	.01	.0001	.1
C. Ritter SD (.88)	.21	.0441	.4582
T. Fancher SD (1.4)	.31	.0961	.5567
		.3935	

$\frac{.3935}{7} = .0562$

$\sigma = .24$

35 DATA DAYS

$\sigma =$

$\begin{array}{r} 1.09 \\ .24 \\ \hline 1.33 \end{array}$ $\begin{array}{r} 1.09 \\ .24 \\ \hline .85 \end{array}$

Week 3 $n = 7$ AVG. = 1.08

F. Bridges	50 (1.0)	.08	.0064	.2828
R. Hipp	50 (1.5)	.42	.1764	.648
G. Olsen	50 (1.5)	.42	.1764	.648
T. Strand	50 (.4)	.68	.4624	.8246
R. Patin	50 (1.0)	.08	.0064	.2828
C. Ritter	50 (.56)	.52	.2704	.7211
T. Fencher	40 (1.65)	.57	.3249	.7549
			1.4233	

$\frac{1.4233}{7} = .2033$

$\sigma = .451$

34 Data Days

909
-.45
.63

1.08
.45
1.53

Week 4 $n = 7$ AVG. 1.09

F. Bridges	50 (1.5)	.41	.1681	.6403
R. Hipp	50 (1.6)	.51	.2601	.7141
G. Olsen	50 (1.0)	.09	.0081	.3
T. Strand	50 (1.0)	.09	.0081	.3
R. Patin	50 (1.2)	.11	.0121	.3316
C. Ritter	50 (.76)	.33	.1089	.3744
T. Fancher	40 (.6)	.49	.2401	.7
			.8055	

$\frac{.8055}{7} = .115$

$\sigma = .34$

34 Data Days

1.09
-.34
.75

1.43

Week 5 $n = 7$ Avg 1.13

F. Bridges	SD (1.3)	.17	.0289	.4155
R. Hipp	SD (1.6)	.47	.2209	.6855
G. Olsen	SD (1.3)	.17	.0289	.4155
T. Strand	SD (1.2)	.07	.0049	.2645
R. Patin	SD (1.2)	.07	.0049	.2645
C. Ritter	SD (.78)	.35	.1225	.5916
T. Fancher	4D (.52)	.57	.3249	.7549
			.7359	

$\frac{.7359}{7} = .105$

$\sigma = .324$

34 Data Days

1.13 − .33 = .80

1.13 + .33 = 1.46

Week 6 $n = 7$ Avg. 1.49

F. Bridges	4D (2.4)	1.01	1.0201	1.004
R. Hipp	4D (2.6)	1.21	1.4641	1.1
G. Olsen	4D (1.7)	.31	.0961	.5567
T. Strand	4D (1.2)	.19	.0361	.4358
R. Patin	4D (.9)	.49	.2401	.7
C. Ritter	5D (.84)	.55	.3025	.7416
T. Fancher	4D (.13)	1.26	1.5876	1.1224
			4.7466	

$\frac{4.7466}{7} = .678$

$\sigma = .803$

29 DATA DAYS

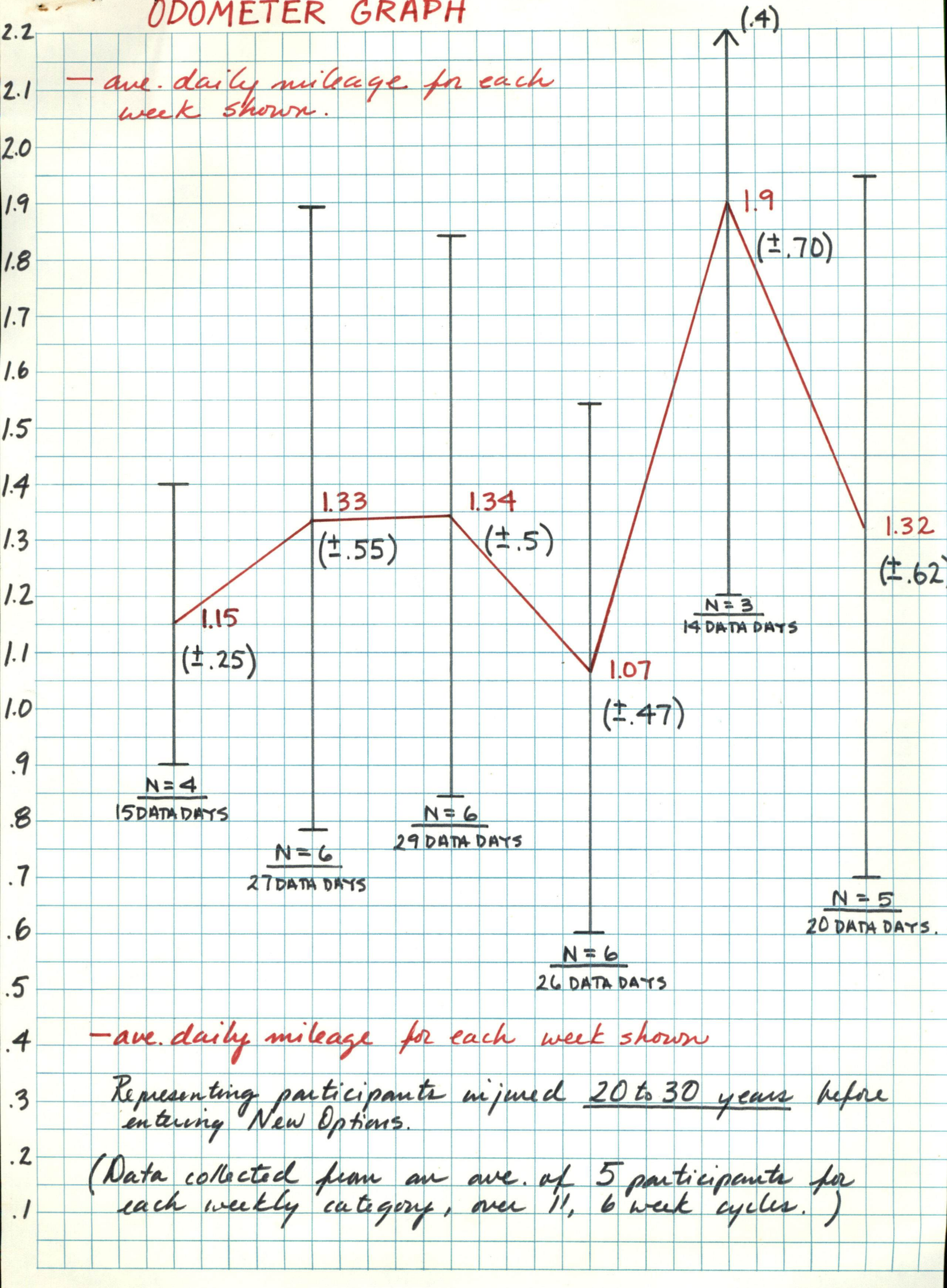
.82

.13 × .80 = .104

.82 − .104 = .58

1.4 + .82 = 2.22

ODOMETER GRAPH



– ave. daily mileage for each week shown.

– ave. daily mileage for each week shown

Representing participants injured 20 to 30 years before entering New Options.

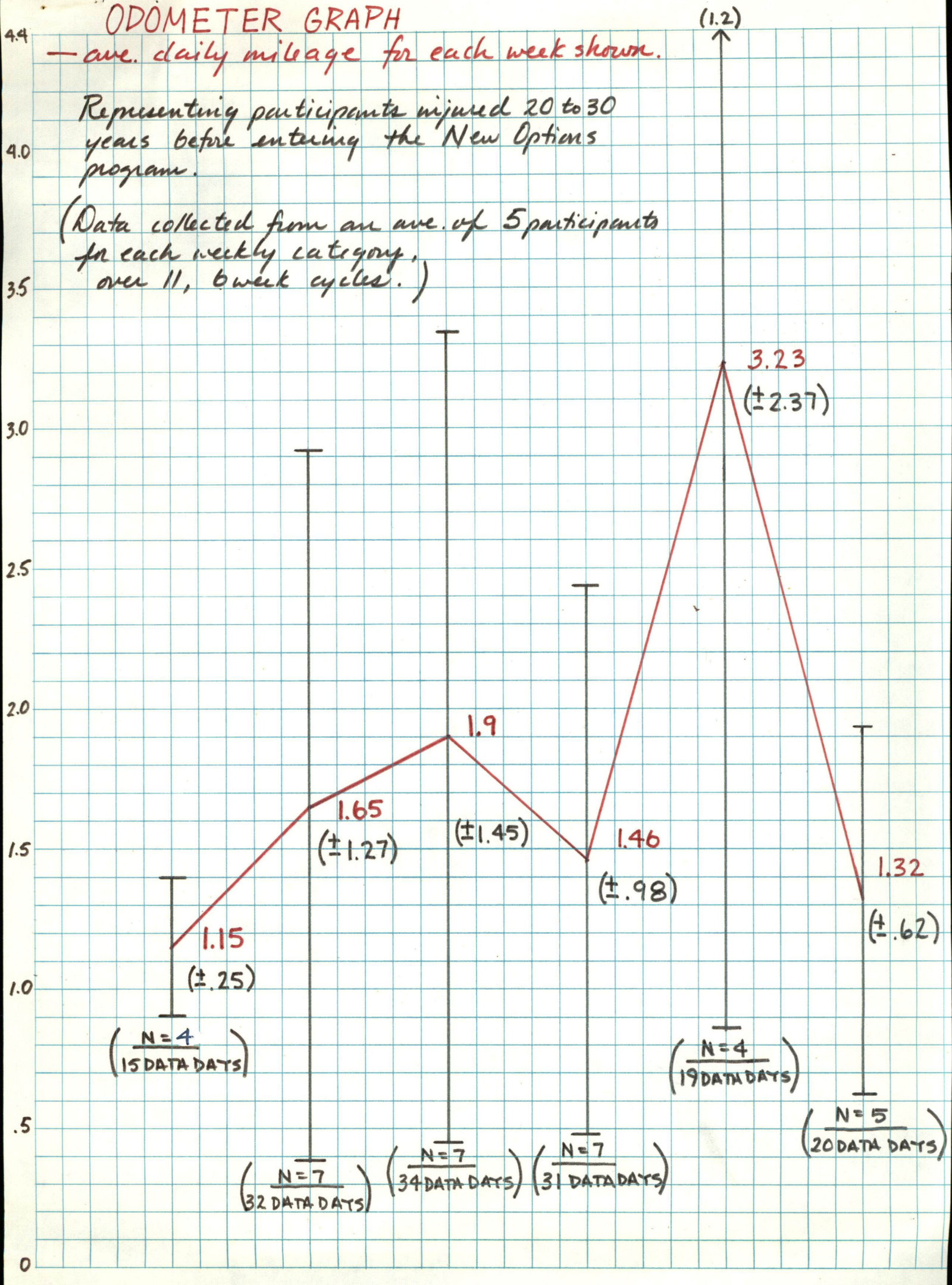
(Data collected from an ave. of 5 participants for each weekly category, over 11, 6 week cycles.)

ODOMETER GRAPH

— ave. daily mileage for each week shown.

Representing participants injured 20 to 30 years before entering the New Options program.

(Data collected from an ave. of 5 participants for each weekly category, over 11, 6 week cycles.)



Injury 20 to 30 years prior to N.O. W/O Ricardo Trevino data.

Week One. N = ④ AVE. = 1.15 σ = .25 (15 DD).

Week Two. N = ⑥ AVE. = 1.33 σ = .55 (27 DD).

Week Three N = ⑥ AVE. = 1.34 σ = .5 (29 DD)

Week Four N = ⑥ AVE. = 1.07 σ = .47 (26 DD)

Week Five N = ③ AVE. = 1.9 σ = .70 (14 DD).

Week Six N = ⑤ AVE = 1.32 σ = .62 (20 DD.).

1.33
.55
.78

1.34
.50
.84

1.84

1.07
.47
.60

1.54

1.07
.47
.54

34

15

1.32
.62
.70

ODOMETER STUDY

4 PARTICIPANTS INJURED (20 to 30 yrs.) BEFORE ENTERING New Options.

Week One. N = 4 AVE. = 1.15

R. Gottlieb	4D (1.1)	.05	.0025
J. Vickers ✓	4D. (1.53)	.38	.1444
K. White ✓	4D (1.13)	.02	.0004
V. MacD. ✓	———	~~.32~~	~~.1024~~
G. Provost ✓	3D. (.83)	.32	.1024
~~C. Heartfield~~	———		.2497 = .062425
~~R. Trevino ✓~~	———		4
~~J. Colvin ✓~~	———	σ = .25	

15 DATA DAYS.

1.40

1.33

N = 6 AVE. = 1.33

Week Two. N = 7 AVE. = 1.65

R. Gottlieb	5D (.6)	.73	1.05	1.1025	.5329
J. Vickers.	5D (2.0)	.67	.35	.1225	.4489
K. White	4D (1.2)	.13	.45	.2025	.0169
V. MacD.	4D (1.95)	.62	.3	.09	.3844
G. Provost	4D (.7)	.63	.95	.9025	.3969
~~C. Heartfield~~			(1.95)	(3.8025)	
R. Trevino	5D (3.6)				
J. Colvin	5D (1.5)	.17	.15	.0225	.0289

11.265 = 1.61
7 =

32 DATA DAYS

σ = 1.27

27 DATA DAYS σ = .55

.67
.67
134

Week 3. N = 7 AVE. = 1.9

R. Gottlieb	SD	(1.2)	.14	.7	.0196	.49
J. Vickers	SD	(1.54)	.2	.36	.0400	.1296
K. White	SD	(1.15)	.19	.75	.0361	.5625
V. MacD.	4D	(2.3)	.96	.4	.9216	.16
G. Provost	SD	(.67)	.67	1.23	.4489	1.5129
~~C. Heartfield~~						
R. Trevino	SD	(5.2)		(3.3)		(10.89)
J. Colvin.	SD	(1.2)	.14	.7	.0196	.49
						14.645

34 DATA DAYS

2.09

σ = 1.45

Week 4. N = 7 AVE. = 1.46

R. Gottlieb	SD	(.86)	.21	.6	.36	.0441
J. Vickers	SD	(1.04)	.03	.42	.1764	.0009
K. White	3D	(.89)		.57	1.2996	.0324
V. MacD.	4D	(1.2)		.26	.0676	.0169
G. Provost	4D	(.47)		.99	.9801	.36
~~C. Heartfield~~						.9649
R. Trevino	SD	(5.0)			(3.54)	
J. Colvin	SD	(2.0)		.54	.2916	
					6.7153	.9593
					7	=

31 DATA DAYS

σ = .98

5.6
4.4
1.2

Week 5. N = 4 AVE. = 3.23

R. Gottlieb	50 (1.1)	.8	2.13 .64	4.537
J. Vickers	50 (1.81)	.09	1.42 .0081	2.0164
K. White	—			
V. MacD.	40 (2.8)	.9	.43 .81	.1849
Q. Provost.	—			
C. Heartfield				
R. Trevino	50 (7.2)		3.97	15.7609
J. Colon	—			

22.4992 / 4 = 5.6248

19 DATA DAYS

σ = 2.37

Week 6 N = 5 AVE. = 1.32

R. Gottlieb	40 (1.2)	.12	.0144
J. Vickers	50 (1.45)	.33	.1089
K. White	40 (1.21)	.11	.0121
V. MacD.	30 (2.2)	.88	.7744
Q. Provost	40 (.33)	.99	.9801
C. Heartfield			
R. Trevino	—		
J. Colon	—		

1.8899 / 5 = .37799

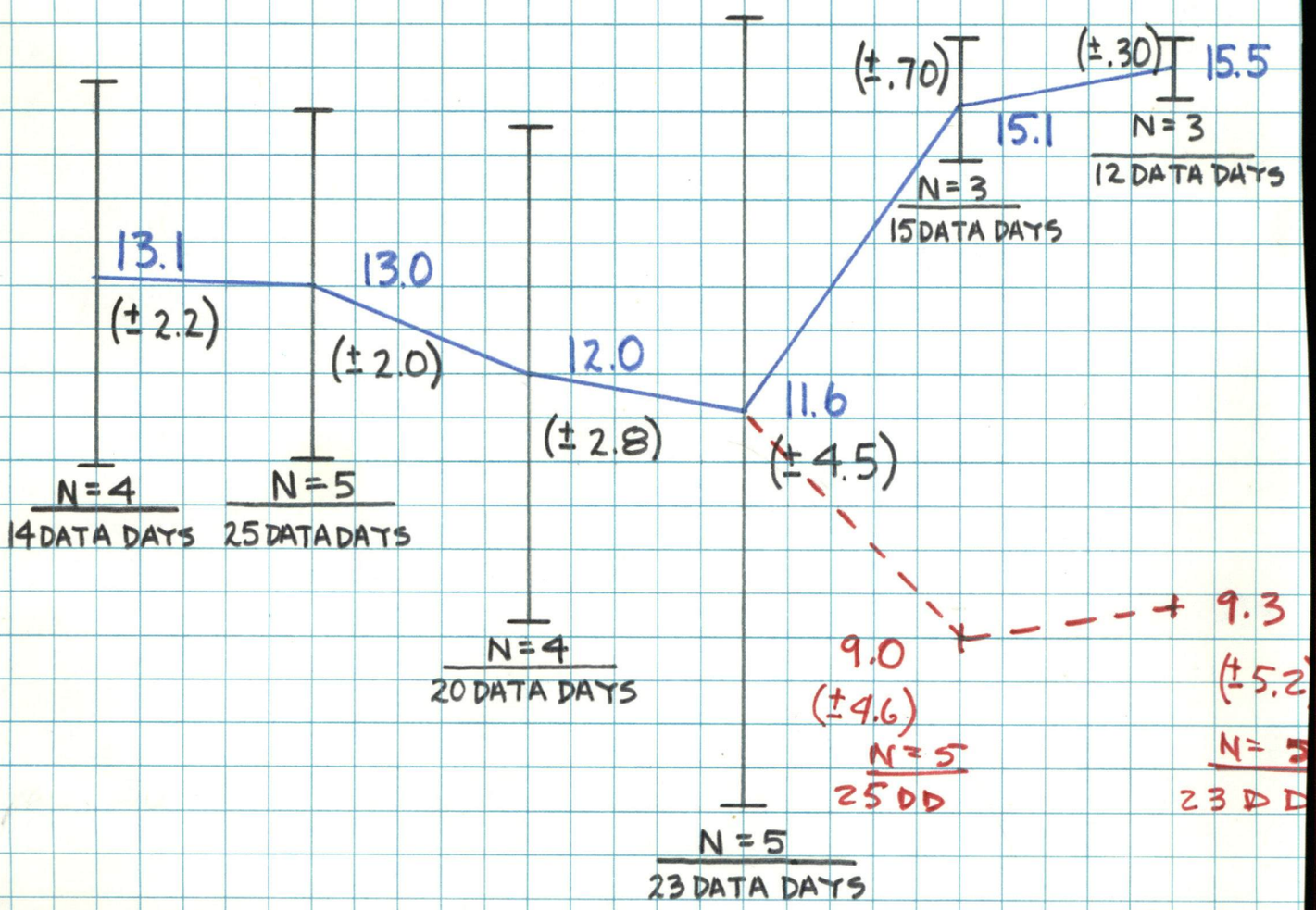
σ = .615

20 DATA DAYS.

RTM GRAPH

— ave. daily out of bed time for each week shown.

2 participants dropped time out of bed considerably due to poor skin condition developed during last three weeks of project stay.
* (both participants over 30 yrs. of age).
(Baiam Lewis, James Locke #)



Representing participants injured 3 to 10 years before entering New Options.

*(Data collected from an average of 4 persons for each weekly category, over 6, 6 week cycles.)

All participants included in this category are quadriplegics

RTM STUDY

→ PARTICIPANTS INJURED (3-10 yrs) BEFORE ENTERING N.O.

Week One N=4 AVE. = 13.06 σ = 2.7 14 DD

~~E. Wilson~~

K. Chandler	4D (15.7)	2.62	6.8644
E. Women	3D (13.1)	.02	.0004
S. Lott	———		
J. Lockett	3D (9.7)	3.38	11.4244
M. Bonee	4D (13.8)	.72	~~.5184~~
			18.8076/4

Week Two N=5 AVE. = 13.0 σ = 2.0 25 DD

~~Wilson~~

Chandler	5D. (15.43)	2.48	6.1504
Women	5D (10.3)	2.65	7.0225
Lott	5D. (14.6)	1.65	2.7225
Lockett	5D (11.0)	1.95	3.8025
Bonee	5D (13.43)	.48	~~.2304~~
			19.9319/5

Week Three N=4 AVE = 12.0 σ = 2.8 20 DD

~~Wilson~~

Chandler	———		
Women	5D. (12.5)	.58	.3364
Lott	5D. (14.5)	2.58	6.6564
Lockett	5D (7.3)	4.62	21.3444
Bonee	5D (13.36)	1.44	2.0736
			30.4108/4

92

120

Week four N = (5) AVE [11.6] σ = [4.54] [23 DD]

~~Wilson~~

Chandler	4D (15.12)	3.55	12.6025	9.4
Women	4D (5.3)	6.27	39.3129	4.5
Lott	5D (16.3)	9.73	22.3729	16.1
Lockett	5D (6.9)	4.67	21.8089	
Bouse	5D (14.24)	2.67	7.1289	
			103.2261/5	

[AVE. = 9.0]

Week five N = (3) ~~AVE. 15.5~~ σ = [.10] [15 DD]

~~Wilson~~

Chandler	5D (16.0)	.95	.9025	9.0
Women	———			9.0
Lott	5D (14.6)	.45	.2025	5.4
Lockett	———			9.0
Bouse	5D (14.56)	.49	.2401	5.6
			1.3451/3	

σ = 4.56

Week Six N = (3) AVE = ~~15.5~~ ~~9.3~~ 9.3 σ = [.30] [12 DD]

~~Wilson~~

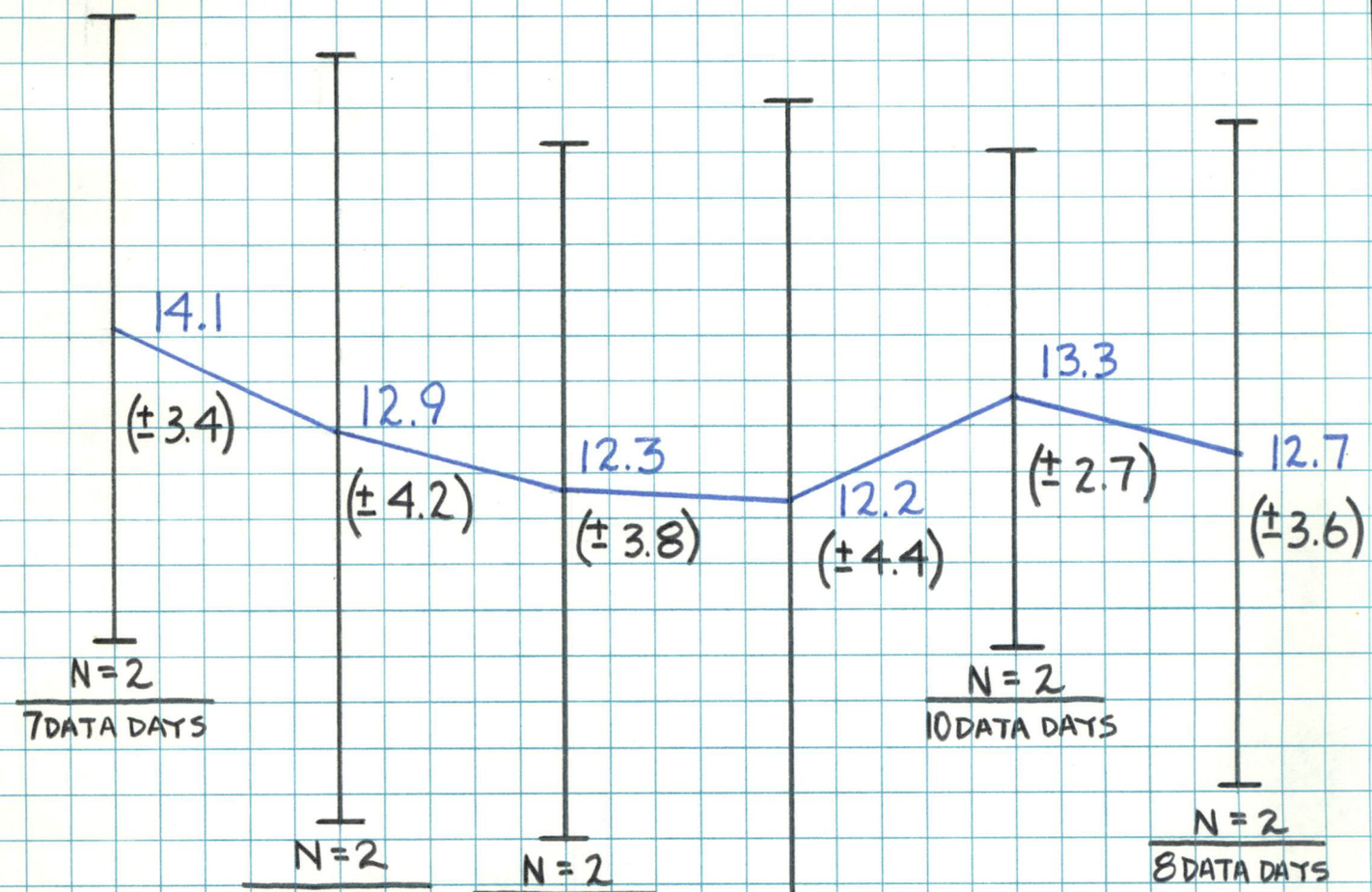
Chandler	4D (15.78)	.31	.0961	~~4.2~~ 9.3
Women	———			9.3
Lott	4D (15.1)	.37	.1369	33.6
Lockett	———			9.3
Bouse	4D (15.53)	.17	.0289	38.8
			.2619/3	

5.15

ave = 9.3 σ = 5.15

RTM GRAPH

— ave. daily out of bed time for each week shown.



Representing participants injured 10 to 20 years before entering New Options.

*(Data collected from an average of 2 persons for each weekly category, over 6, 6 week cycles.)

RTM STUDY

— 2 PARTICIPANTS INJURED (10 TO 20 YRS.) BEFORE ENTERING N.O.

Week One N = (2) AVE. = 14.14 σ = 3.36 7 DD

Ritter 4D (10.78) 3.36 11.2896

Fancher 3D (17.5) 3.36 11.2896

Week Two N = (2) AVE = ~~13.0~~ 12.9 σ = 4.2 10 DD

Ritter 5D (8.7) 4.2

Fancher 5D (17.1)

Week 3 N = (2) AVE = 12.25 12.3 σ = 3.75 3.8 9 DD

Ritter 5D (8.5)

Fancher 4D (16.0)

Week 4 N = (2) AVE. = 12.18 12.2 σ = 4.42 4.4 8 DD

Ritter 5D (7.76)

Fancher 3D (16.6)

Week 5 N = (2) AVE. = 13.3 13.3 σ 2.7 10 DD

Ritter 5D (10.62)

Fancher 5D (16.0) 2.7 16.0

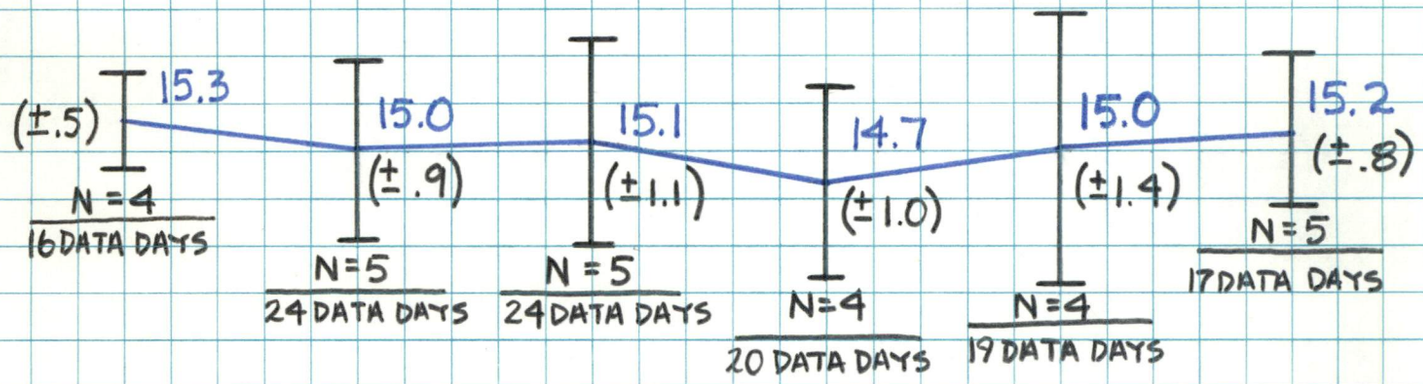
Week 6 N = (2) AVE. 12.7 σ 3.6 8 DD

Ritter 4D (9.12)

Fancher 4D (16.3)

RTM GRAPH

—— ave. daily out of bed time for each week shown



Representing participants injured <u>20 to 30 years</u> before entering New Options.

* (Data collected from an average of 5 persons for each weekly category, over 6, 6 week cycles.)

All participants included in this category are <u>NON-SCI.</u>

RTM STUDY

→ PARTICIPANTS INJURED (20 to 30 yrs.) BEFORE ENTERING N.O.

Week One.	N = 4	AVE. = 15.3	σ = .541	16 DD
J. Vickers.	4D (15.2)	.1	.01	
G. Provost.	4D (15.8)	.5	.25	
C. Heartfield.	4D (15.0)	.3	.9	
K. White	4D (15.2)	.1	.01	
V. MacD.	———		1.17/4	

Week Two	N = 5	AVE. = 15.0	σ = .9	24 DD
J. Vickers	5D (14.9)	.1	.01	
Provost	5D (14.8)	.2	.4	
Heartfield	5D (15.0)	0	0	
White	5D (13.8)	1.2	1.44	
MacD.	4D (16.5)	1.5	2.25	
			4.1/5	

Week Three	N = 5	AVE. = 15.16	σ = 1.1	24 DD
Vickers	5D (14.9)	.16	.0256	
Provost	5D (15.6)	.54	.2916	14.C.
Heartfield.	5D (15.0)	.06	.0036	
White	5D (13.23)	1.83	3.3489	
MacD.	4D (16.6)	1.54	2.3716	
			6.0413/5	

Week four N = (4) AVE. = 14.725 σ = 1.01 | 2000

Vickers	5D (13.2)	1.525	2.3256
Provost	5D (16.1)	1.375	1.8906
Heartfield	5D (15.0)	.275	.0756
White	5D (19.6)	.125	.0156
MacD	———		4.3074/4

Week five N = (4) AVE. = 15.0 σ = 1.42 | 1900

Vickers	5D (13.9)	1.1	1.21
Provost	———		
Heartfield	5D (16.25)	1.25	1.5625
MacD	4D (16.4)	1.4	1.96
White	5D (13.16)	1.84	3.3856
			8.1181/4

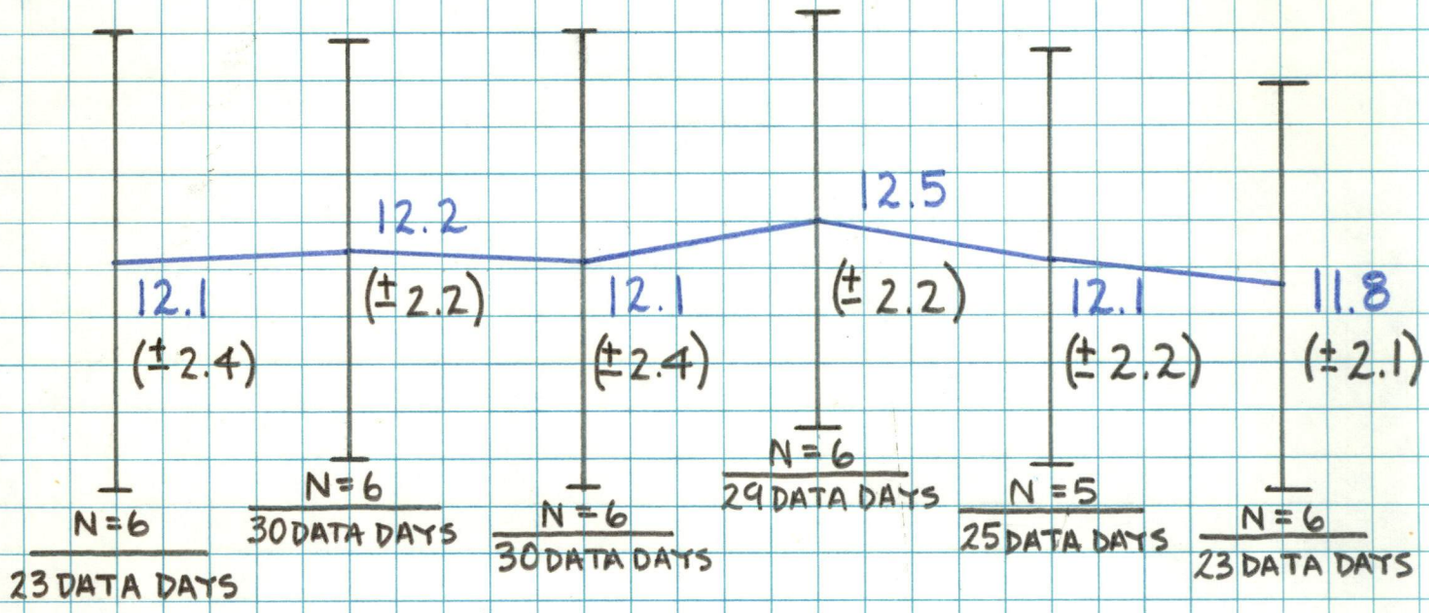
13.6
- 0

Week Six N = (5) AVE = 15.23 σ = .872 | 1700

Vickers	3D (13.83)	1.4	1.96
Provost	4D (15.0)	.23	.0529
Heartfield	3D (16.0)	.77	.5929
MacD	3D (15.7)	.47	.2209
White	4D (15.62)	.39	.1521
			2.9788/5

RTM GRAPH

—— ave. daily amt of bed time for each week shown



Representing participants injured 13 months to 3 years before entering New Options.

* (Data collected from an average of 6 persons for each weekly category, over 6, 6 week cycles.

All participants included in this category are SCI

RTM STUDY

→ PARTICIPANTS INJURED (13 months to 3 yrs.)
Before entering New Options.

Week One N = (6) AVE. = 12.06 σ = 2.4 [230D]

R. Murray	4D (10.0)	2.06	4.2436
M. Alford	4D (12.5)	.44	.1936
G. Smith	4D (14.33)	2.27	5.1529
A. Cervantez	4D (14.12)	2.06	4.2436
C. Ceasar	3D (13.5)	1.44	2.0736
C. Harrison	4D (7.9)	4.16	17.3056
			33.213/4

18.1
- 2.4

Week Two N = (6) AVE = 12.23 σ = 2.2 [30 DD]

Murray	5D (9.54)	2.69	7.2361
Alford	5D (11.6)	.63	.3969
Smith	5D (14.1)	1.87	3.4969
Cervantez	5D (12.96)	.73	.5329
Ceasar	5D (15.6)	3.37	11.3569
Harrison	5D (9.6)	2.63	6.9169
			29.9366 / 6

Week Three N = (6) AVE = 12.08 σ = 2.41 [30DD]

Murray ✓	5D (10.65)	1.4	1.96
Alford ✓	5D (10.83)	1.25	1.5625
Smith ✓	5D (13.2)	1.12	1.2544
Cervantez ✓	5D (14.13)	2.05	4.2025
Ceasar ✓	5D (15.5)	3.42	11.6964
Harrison ✓	5D (8.2)	3.88	15.0544
			35.73/6

Week Four N = 6 AVE. = 12.5 σ = 2.22 290D

Murray	5D (9.73)	2.81	7.8961
Alford	5D (10.93	1.61	2.5921
Smith	5D (15.1)	2.54	6.5536
Cervantez	4D (13.58)	1.04	1.0816
Ceasar	5D (15.3)	2.76	7.6176
Harrison	5D (10.6)	1.94	3.7636
			29.5046/4

Week Five N = 5 AVE. 12.16 σ = 2.22 250D

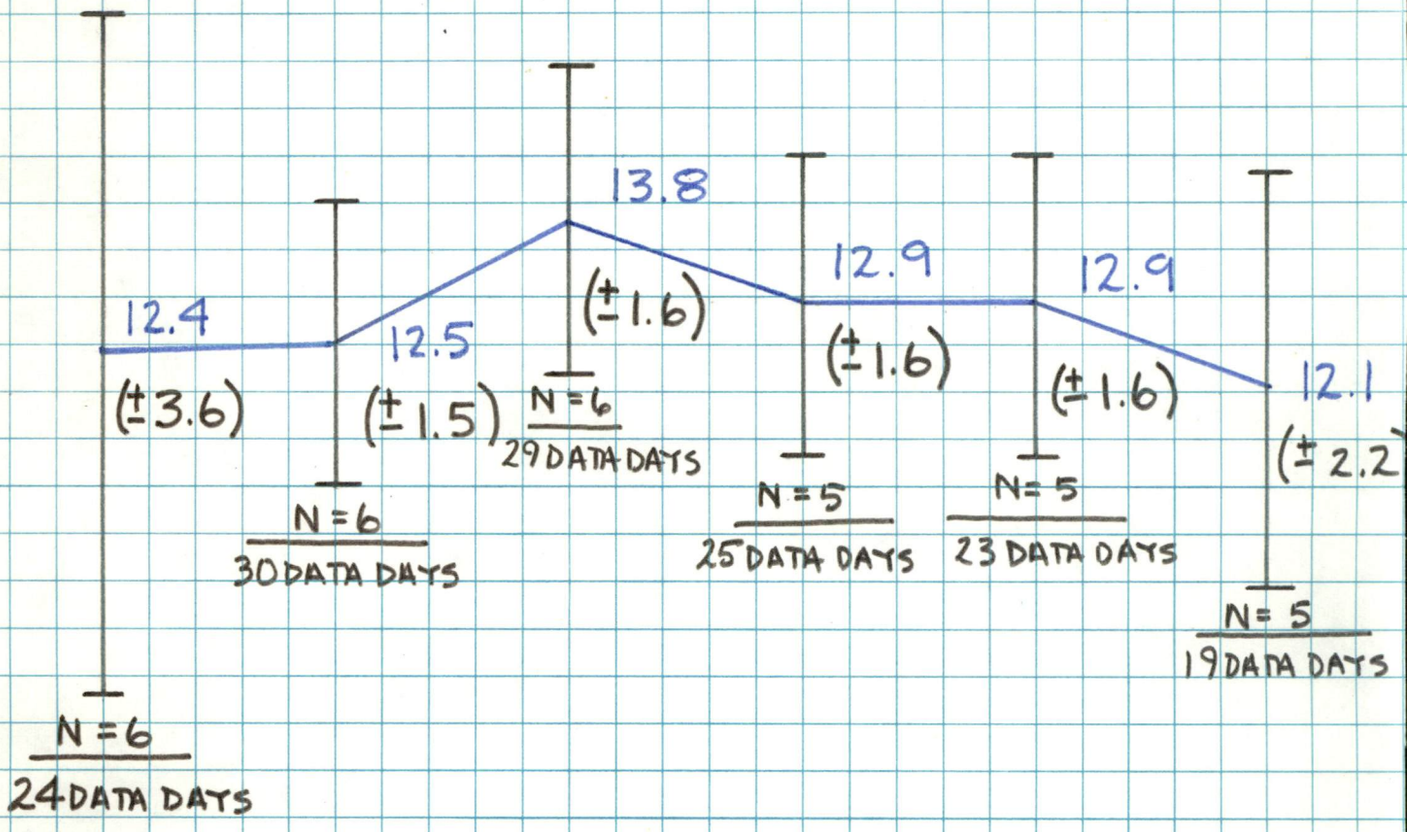
Murray	5D (10.9)	1.166	1.3595
Alford	5D (11.93)	.13	.0169
Smith	5D (14.4)	2.34	5.4756
Cervantez	———		
Ceasar	5D (19.5)	2.44	5.9536
Harrison	5D (8.6)	3.46	11.9716
			24.77/5

Week Six N = 6 AVE. = 11.8 σ = 2.1 230D

Murray	4D (8.33)	3.44	11.8336
Alford	4D (10.95)	.82	.6724
Smith	3D (13.7)	1.93	3.7249
Cervantez	4D (11.33)	.44	.1936
Ceasar	4D (14.9)	3.13	9.7969
Harrison	4D (11.4)	.37	.1369
			26.3583/6

RTM GRAPH

—— ave. daily out of bed time for each week shown



Representing participants injured 0 to 12 months before entering New Options.

* (Data collected from an average of 6 persons for each weekly category, over 6, 6 week cycles.)

RTM STUDY

→ PARTICIPANTS INJURED (0-12) MONTHS BEFORE ENTERING NEW OPTIONS.

Week One N=(6) AVE. = 12.4 σ = 3.6 24 DD

D. Conley ✓	4D	(13.5)	1.08	1.1664	
B. Lewis ✓	4D	(14.0)	1.58	2.4964	16.02
M. Lancaster ✓	4D	(15.3)	2.88	8.2944	
G. Hill ✓	4D	(10.5)	1.92	3.6864	8.82
~~G. Bell~~					
~~S. Guest~~					
~~M. Bainidge~~					
G. Bilnoski ✓	4D	(5.33)	7.09	50.2681	
J. Ballard ✓	4D	(15.9)	3.48	12.1104	

78.0221/6 = 13.003

Week Two N=(6) AVE. = 12.5 σ = 1.54 30 DD

D. Conley	5D	(14.1)	1.59	2.5281	
B. Lewis	5D	(13.0)	.49	.2401	14.05
M. Lancaster	5D	(14.3)	1.49	2.2201	11.97
~~G. Hill~~	5D	(9.56)	2.95	8.7025	
~~G. Bell~~					
~~S. Guest~~					
~~M. Bainidge~~					
G. Bilnoski	5D	(12.0)	.51	.2601	12.5
J. Ballard	5D	(12.1)	.50	.2500	11.0

14.2009/6 = 2.367

13.8
1.6
15.4

Week Three N = (6) AVE. = 13.80 σ = 1.57 2900

D. Conley	4D (14.7)	.9	.81
Lewis	5D (14.0)	.2	.4
Lancaster	5D (15.0)	1.2	1.44
Hill	5D (12.56)	1.24	1.5376
Bilnoski	5D (11.0)	2.8	7.84
Ballard	5D (15.5)	1.7	2.89

14.9/6 = 2.48

13.80
1.57
15.37

13.8
1.6
12.2

12.23

Week Four N = (5) AVE. = 12.90 σ = 1.56 2500

D. Conley	5D (12.3)	.6	.36
Lewis			
Lancaster	5D (14.0)	1.1	1.21
Hill	5D (11.43)	1.47	2.1609
Bilnoski	5D (11.4)	1.5	2.25
Ballard	5D (15.4)	2.5	6.25

12.84
1.56

14.96

12.231/5 = 2.45

18.39

Week Five N = (5) AVE. = 12.9 σ = 1.59 2300

Conley	3D (11.8)	1.1	1.21
Lewis			
Lancaster	5D (14.0)	1.1	1.21
Hill	5D (12.46)	.44	.1936
Bilnoski	5D (10.96)	1.94	3.7636
Ballard	5D (15.4)	2.5	6.25

12.9
1.6

12.9
1.66
14.5

12.9
1.6
11.3

12.6272/5 = 2.525

AGE CATEGORY

ODOMETER STUDY : GRAPHS

— AGES 18 THRU 22

— AGES 22 THRU 30

— AGE 30 AND ABOVE

Bush Library Photocopy

ODOMETER GRAPH

Representing participants of the New Options program who are 30 years of age or above.

— ave. daily mileage for each week shown.

(Data collected from an average of 8 participants for each weekly category, over 11, 6 week cycles.)

Data completely dropped for 3 participants over 30 years of age during last 3 weeks of project cycles — due to poor skin conditions developed toward 3rd week. — graph would resemble the penciled line if data were included.

ODOMETER STUDY FOR PARTICIPANTS AGE 30 AND ABOVE.

Week One

N = 4 AVE = .835

S. Lott.	———			
J. Hockett	4D	(44)	.395	.15603
E. Warnew	3D	(.92)	.085	.00723
B. Lewis	4D	(.87)	.035	.00123
T. Strand.	———			
E. Barnes	———			
R. Hipp	———			
R. Gottlieb	4D	(1.11)	.275	.07563
G. Reed.	———			.240115 / 4 = .06003
E. Wilson.	———			
D. Conley	———			

σ = .245

15 DATA DAYS.

Week Two

N = 11 AVE = .951

S. Lott.	40	(1.3).	.349	.1218
J. Lockett	40	(.5)	.451	.2034
E. Warren	50	(.57)	.381	.1452
B. Lewis	50	(1.0)	.049	.0024
T. Strond.	50	(.9).	.051	.0026.
E. Barnes.	50	(1.1)	.149	.0222.
R. Hipp	50	(1.2).	.249	.0620
R. Gottlieb	50	(.6).	.351	.1232
G. Reed.	50 ·	(1.26).	.309	.0955
E. Wilson.	50 ·	(1.5)	.549	.3014
D. Conley	40	(.53)	.421	.1773

1.257 / 11 = .1143

52 DATA DAYS.

σ = .34

Week Three

N = 10

AVE = 1.11

S. Hott	40	(1.3)	.19	.0361
J. Hockett	———			
E. Warren	50	(.67)	.44	.1936
B. Lewis	50	(1.2)	.09	.0081
T. Strand	50	(.4)	.71	.5041
E. Barnes	50	(1.3)	.19	.0361
R. Hipp	50	(1.5)	.39	.1521
R. Gottlieb	50	(1.2)	.09	.0081
G. Reed	50	(1.74)	.63	.3969
E. Wilson	50	(1.0)	.11	.0121
D. Conley	30	(.76)	.35	.1225

1.4697 / 10 = .14697

47 DATA DAYS.

σ = .38

Week Four

N = 7.

AVE. = 1.15

S. Lott ———

J. Lockett ———

E. Wagner ———

B. Harris ———

T. Stand.	SD	(1.0)	.15	.0225
E. Barnes.	SD	(.9)	.25	.0625
R. Hipp.	SD	(1.6)	.45	.2025
R. Gottlieb	SD	(.86)	.29	.0841
G. Reed.	SD	(1.6)	.45	.2025
E. Wilson	SD	(1.7)	.55	.3025
D. Conley	4D	(.4)	.75	.5625

1.4391 / 7 = .2056

34 DATA DAYS.

σ = .45

Week Five N = 7 AVE = [1.48]

S. Hott.	SD	(1.36)	.12	.0144
J. Lockett				
E. Warren				
B. Lewis.				
T. Stand.	SD	(1.2)	.28	.0784
E. Barnes.	SD	(1.3)	.18	.0324.
R. Hipp	SD	(1.6)	.12	.0144.
R. Gottlieb.	SD	(1.1)	.38	.1444
G. Reed.	SD	(2.3)	.82	.6724.
E. Wilson	SD	(1.5)	.02	.0004
D. Conley				.9568 / 7 = .1367

35 DATA DAYS. σ = [.37]

Week Six N = 8 AVE. = 1.45

S. Hott	40	(.5)	.95	.9025
J. Hockett				
E. Warren				
B. Lewis				
T. Strand	40	(1.2)	.25	.0625
E. Barnes	40	(1.0)	.45	.2025
R. Hipp	40	(2.6)	1.15	1.3225
R. Gottlieb	40	(1.2)	.25	.0625
J. Reed	40	(2.9)	1.45	2.1025
E. Wilson	40	(1.7)	.25	.0625
D. Conley	40	(.5)	.95	.9025

5.62 / 8 = .7025

32 DATA DAYS.

σ = 1.84

89 .09
75
9
84

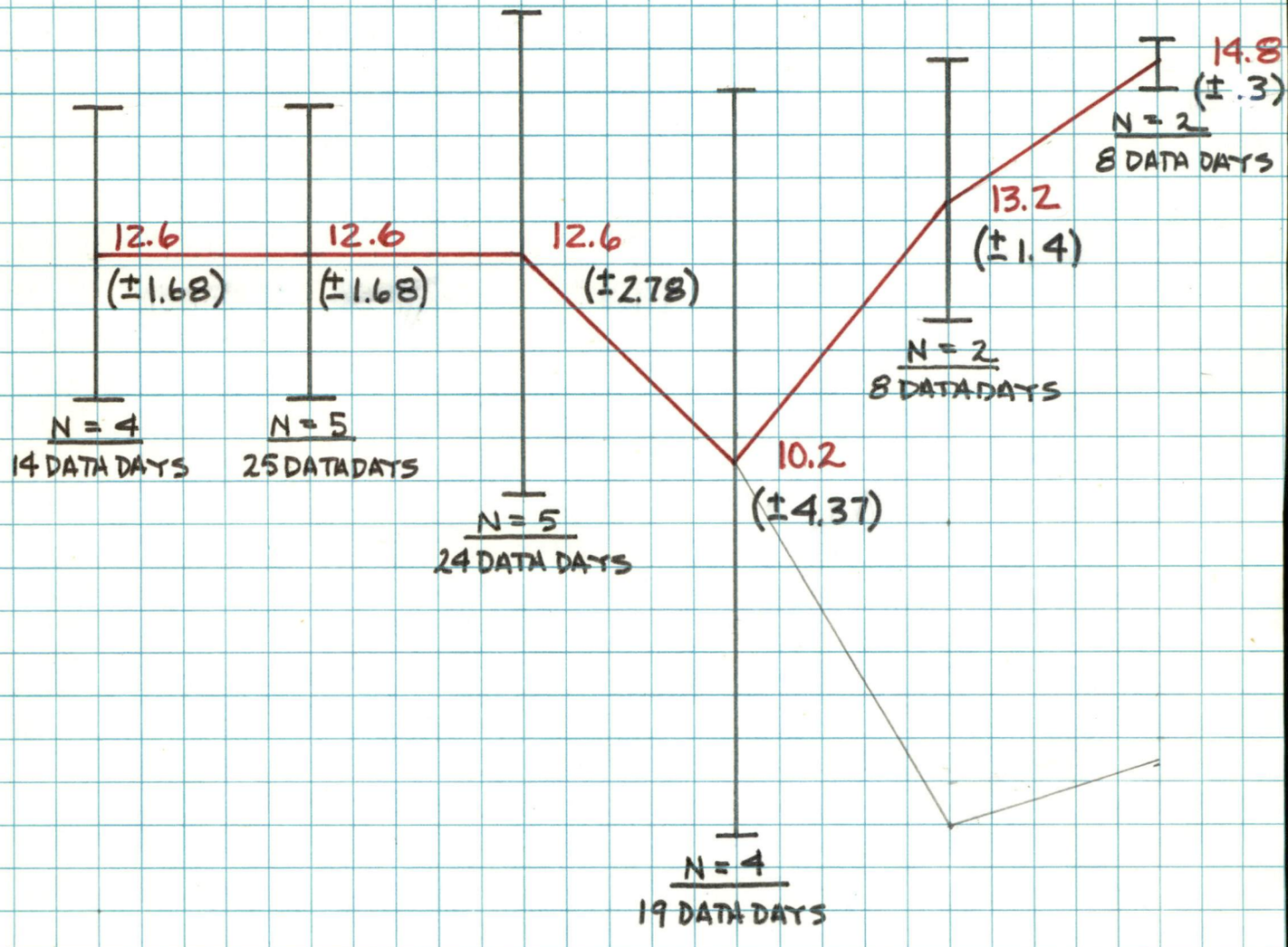
RTM GRAPH

Representing participants of the New Options program who are

30 years old and above

*ave. daily out of bed time for each week shown —

(Data collected from an average of 4 persons for each weekly category, over 6, 6 week cycles.)



persons over 30 – several develop poor skin conditions around 4th week and data is completely dropped due to very low weekly averages.

(graph might resemble penciled line if data were kept.)

RTM STUDY FOR PARTICIPANTS AGE 30 AND ABOVE

Week One N = 4 AVE = 12.57

S. hott			
J. hockett	3D (9.7)	2.87	8.2369
E. Women	3D (13.1)	.47	.2209
B. Harris	4D (14.0)	1.43	2.0449
D. Conley	4D (13.5)	.98	.9604
			11.3676

11.3676 / 4 = 2.8419

14 DATA DAYS

σ = 1.68

12.6 + 1.68 = 14.28 12.60 + 1.68 = 10.92

Week Two. N = 5 AVE = 12.6

S. hott	5D (14.6)	2.0	4.0
J. hockett	5D (11.0)	1.6	2.56
E. Women	5D (10.3)	2.3	5.29
B. Harris	5D (13.0)	.4	.16
D. Conley	5D (14.1)	1.5	2.25
			14.26

14.26 / 5 = 2.852

25 DATA DAYS

σ = 1.68

Week Three. N = 5 AVE = 12.6.

S. Hott	5D	(14.5)	1.9	3.61
J. Lockett.	5D	(7.3).	5.36	28.7296
E. Warren	5D	(12.5).	.1	.01
B. Lewis.	5D	(14.0).	1.4	1.96
D. Conley.	4D	(14.7)	2.1	4.41

38.7196 / 5 = 7.7439

24 DATA DAYS.

σ = 2.78

12.6 + 2.78 = 15.38

12.6 − 2.78 = 9.82

Week Four. N = 4 AVE = 10.2

S. Hott	5D	(16.3)	6.1	37.21
J. Lockett	5D	(6.9)	3.3	10.89
E. Warren	4D	(5.3)	4.9	24.01
B. Lewis				
D. Conley.	5D	(12.3)	2.1	4.41

76.52 / 4 = 19.13

19 DATA DAYS.

σ = 4.37

10.2 + 4.37 = 14.57

10.2 − 4.37 = 5.83

5.83 + 4.37 = 10.20

Week Five. N = 2 AVE. = 13.2

S. Hott. 5D (14.6) 1.4 1.96.

J. Lockett. _____

E. Warren _____

B. Lewis _____

D. Conley. 3D (11.8) 1.4 1.96

3.94 = 1.97
2

8 DATA DAYS. σ = 1.4

13.2
1.4
14.6

18/20
-1.40
1.8

Week Six N = 2 AVE = 14.8

S. Hott. 4D (15.1) .3

J. Lockett. _____

E. Warren _____ .3

B. Lewis _____

D. Conley. 4D (14.5). σ = .3

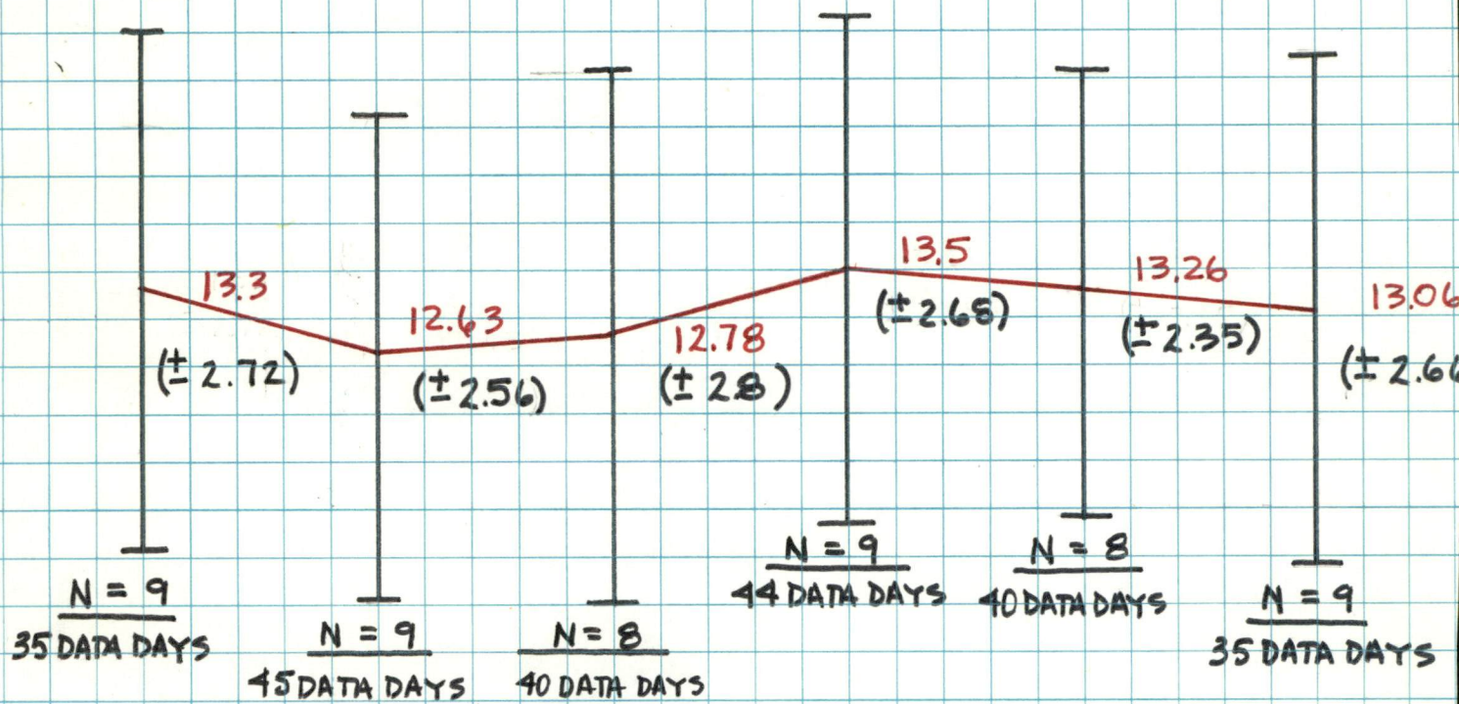
8 DATA DAYS.

RTM GRAPH

Representing participants of the New Options program who are 22 thru 29 years of age.

* ave. daily out of bed time for each week shown.

(Data collected from an average of 9 persons for each weekly category, over 6, 6 week cycles.)


13.3
(±2.72)
12.63
(±2.56)
12.78
(±2.8)
13.5
(±2.68)
13.26
(±2.35)
13.06
(±2.6
N = 9
35 DATA DAYS
N = 9
45 DATA DAYS
N = 8
40 DATA DAYS
N = 9
44 DATA DAYS
N = 8
40 DATA DAYS
N = 9
35 DATA DAYS

RTM STUDY FOR PARTICIPANTS

AGE 22 THRU 30

Week One N = 9 AVE = 13.29

C. Harrison	4D	(7.9)	5.39	29.0521
K. Chandler	4D	(15.7)	2.41	5.8081
G. Smith	4D	(14.33)	1.04	1.0816
G. Hill	4D	(10.5)	2.79	7.7841
C. Ritter	4D	(10.78)	2.51	6.3001
H. Ceasar	3D	(13.5)	.21	.0441
J. Ballard	4D	(15.9)	2.61	6.8121
G. Provost	4D	(15.8)	2.51	6.3001
K. White	4D	(15.2)	1.91	3.6481

$\frac{64.8304}{9} = 7.4256$

35 DATA DAYS.

$\sigma = \boxed{2.72}$

13.3	2 1 2 18.80
2.72	2.72
15.02	10.58

Week Two

N = 9

AVE. = 12.63

C. Harrison	5D. (9.6)	3.03	9.1809
K. Chandler	5D (15.43)	2.8	7.84
G. Smith	5D (14.1)	1.47	2.1609
G. Hill	5D (9.56)	3.07	9.4249
C. Ritter	5D (8.7)	3.93	15.4449
C. Pearson	5D (15.6)	2.97	8.8209
J. Ballard	5D (12.1)	.53	.2809
G. Provost	5D (14.8)	2.17	4.7089
K. White	5D (13.8)	1.17	1.3689
			59.2313

$\frac{59.2313}{9} = 6.58$

45 DATA DAYS.

$\sigma = 2.56$

$12.63 + 2.56 = 15.19$

$12.63 - 2.56 = 10.07$

Week Three

N = 8 AVE. = 12.78

C. Harrison.	5D	(8.2)	4.58	20.9764
K. Chandler.				
G. Smith.	5D	(13.2)	.42	.1764
G. Hill	5D	(12.56)	.22	.0484
C. Kilby.	5D	(8.5)	4.28	18.3184
C. Ceasar.	5D	(15.5)	2.72	7.3984
J. Ballard.	5D	(15.5)	2.72	7.3984
G. Provost.	5D	(15.6)	2.82	7.9524
K. White	5D	(13.23)	.45	.2025.

42.4713 7.8089

8

40 DATA DAYS. — σ = 2.79

12.78 X2.78

28 2.80

15.58 7.98

Week Four

$N = 9$ Ave. = 13.49

C. Harrison	5D	(10.6)	2.89	8.3521
K. Chandler	4D	(15.12)	1.63	2.6569
G. Smith	5D	(15.1)	1.61	2.5921
G. Hill	5D	(11.43)	2.06	4.2436
C. Kilter	5D	(7.76)	5.78	32.8329
C. Casar	5D	(15.3)	1.81	3.2761
J. Bolland	5D	(15.4)	1.91	3.6481
G. Provost	5D	(16.1)	2.61	6.8121
K. White	5D	(14.6)	1.11	1.2321

64.9139 / 9 = 7.2126

44 DATA DAYS.

σ = 2.68

13.5 + 2.68 = 16.18

2 4
18.76 − 2.68 = 10.82

Week Five

N = 8 AVE. = 13.26

C. Harrison	SD	(8.6)	4.66	21.7156
K. Chandler	SD	(16.0)	2.74	7.5076
J. Smith	SD	(14.4)	1.14	1.2996
J. Hill	SD	(12.46)	.8	.64
C. Ritter	SD	(10.62)	2.64	6.9696
C. Casar.	SD	(14.5)	1.24	1.5376
J. Ballard	SD	(15.4)	2.14	4.5796
J. Provost				
K. White	SD	(13.16)	.1	.01

$\frac{44.2596}{8} = 5.5325$

40 DATA DAYS.

$\sigma = \sqrt{2.35}$

13.26 − 2.35 = (15.61)

$18\frac{21}{26}$ 2.35 = 10.91

Week Six

N = 9

AVE. = 13.06

C. Harrison	40	(11.4)	1.66	2.7556
K. Chandler	40	(15.78)	2.72	7.3984
G. Smith	36	(13.7)	.64	.4096
G. Hill	40	(8.24)	4.82	23.2324
C. Ritter	40	(9.12)	3.94	15.5236
C. Ceasar	40	(14.9)	1.84	3.3856
J. Ballard	40	(13.8)	.794	.6304
G. Provost	40	(15.0)	1.94	3.7636
K. White	40	(15.62)	2.56	6.5536

$$\frac{63.6528}{9} = 7.0725$$

35 DATA DAYS.

σ = 2.66

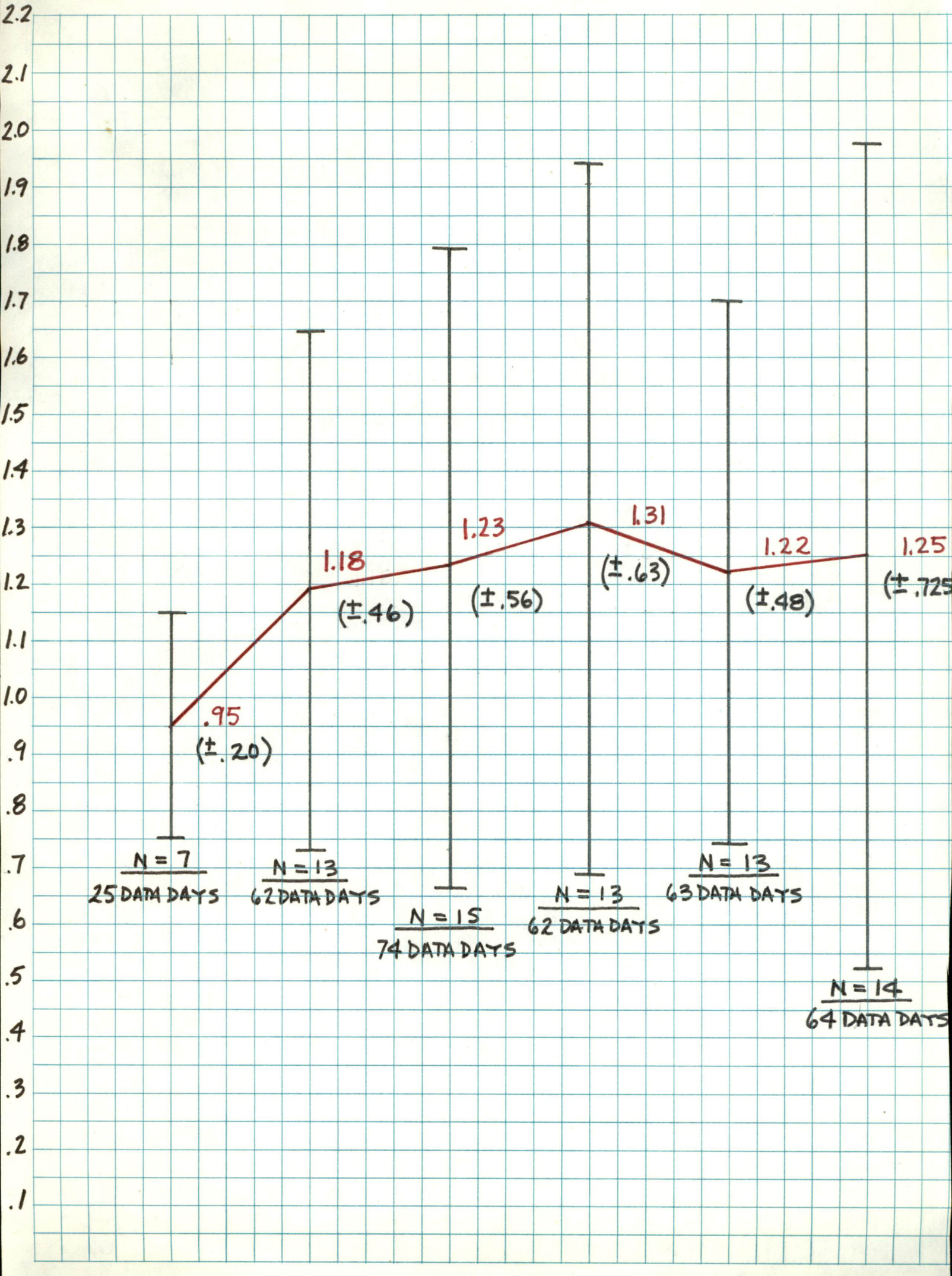
13.06	2 1 18.06
2.66	2.66
15.72	10,40

ODOMETER GRAPH

Representing participants of the New Options program who are 22 thru 29 years of age.

– ave. daily mileage for each week shown.

(Data collected from an average of 13 participants for each weekly category, over 11, 6 week cycles.)


2.2
2.1
2.0
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
.9
.8
.7
.6
.5
.4
.3
.2
.1
.95
(±.20)
1.18
(±.46)
1.23
(±.56)
1.31
(±.63)
1.22
(±.48)
1.25
(±.725
N = 7
25 DATA DAYS
N = 13
62 DATA DAYS
N = 15
74 DATA DAYS
N = 13
62 DATA DAYS
N = 13
63 DATA DAYS
N = 14
64 DATA DAYS

ODOMETER STUDY FOR PARTICIPANTS AGE 22 THRU 30.

N = 7 AVE = .947

Week One

C. Harrison	3D	(.53)	.417	.1739
K. Chandler	3D	(1.03)	.083	.0068
G. Smith	4D	(.97)	.023	.00053
G. Hill	———			
C. Ritter	———			
G. Olsen	———			
S. Wynn	———			
F. Bridges	———			
G. Bell	4D	(1.1)	.153	.02341
H. C. Ceasar	———			
J. L. Ballard	———			
E. Bell	———			
J. Bowden	———			
~~W. McVea~~	———			
C. Carreno	4D	(1.04)	.093	.00865
Giles Provost	3D	(.83)	.117	.01369
K. White	4D	(1.13)	.183	.03349
				.26047

$\frac{.26047}{7} = .03721$

25 DATA DAYS.

$\sigma = .193$

Week Two

N = 13 AVE. = 1.185

C. Harrison	———			
K. Chandler	5D	(1.61)	.425	.18063
G. Smith	5D	(1.0)	.185	.03423
G. Hill	5D	(.978)	.207	.04285
C. Ritter	5D	(.88)	.305	.09303
G. Olsen	5D	(.76)	.425	.18063
S. Wynn	5D	(.3)	.885	.78323
F. Bridges	5D	(1.4)	.215	.04623
G. Bell	4D	(1.9)	.715	.51123
H. Ceasar	5D	(1.2)	.015	.00023
J. Ballard	———			
J. Bowden	5D	(1.8)	.615	.37823
C. Carreno	5D	(1.68)	.495	.24503
G. Provost	4D	(.7)	.485	.23523
K. White	4D	(1.2)	.015	.00023

2.73101 / 13 = .21007

62 DATA DAYS.

σ = .458

Week Three

N = 15

AVE. = 1.23

C. Harrison	4D	(1.1)	.13	.0169
K. Chandler	5D	(1.23)	0	0
G. Smith	5D	(.92)	.31	.0961
G. Hill	5D	(1.49)	.26	.0676
C. Ritter	5D	(.56)	.67	.4489
G. Olsen	5D	(1.5)	.27	.0729
S. Wynn	5D	(.3)	.93	.8649
F. Bridges	5D	(1.0)	.23	.0529
G. Bell	5D	(2.6)	1.37	1.8769
H. Casas	5D	(.88)	.35	.1225
J. Ballard	5D	(2.0)	.77	.5929
J. Bowden	5D	(1.4)	.17	.0289
C. Cuevo	5D	(1.68)	.45	.2025
G. Provost	5D	(.67)	.54	.3136
K. White	5D	(1.15)	.08	.0064

$\frac{4.7639}{15} = .318$

74 DATH DAYS.

$\sigma = .561$

Week Four

N = 13 AVE. = 1.31

C Harrison.				
K. Chandler.				
G. Smith	50	(1.3)	.01	.0001
G. Hill	50	(1.47)	.16	.0256
C. Ritter	50	(.76)	.55	.3025
G. Olsen	50	(1.0)	.31	.0961
S. Wynn	50	(.2)	1.11	1.2321
F. Bridges	50	(1.5)	.19	.0361
G. Bell	50	(2.48)	1.17	1.3689
H. Ceasar	50	(1.4)	.09	.0081
J. Ballard	50	(2.3)	.99	.9801
J. Bowden	50	(1.6)	.29	.0841
C. Carreno	50	(1.62)	.31	.0961
G. Provost	40	(.47)	.84	.7056
K. White	30	(.89)	.42	.1764
				5.1118

$\frac{5.1118}{13} = .3932.$

62 DATA DAYS.

$\sigma = \boxed{.627}$

Week Five

N = 13 AVE. = 1.22

C. Harrison	5D.	(.85)	.37	.1369.
K. Chandler	3D	(1.31)	.09	.0081
G. Smith	5D.	(.92).	.3	.09
G. Hill	5D.	(1.74).	.52	.2704
C. Ritter	5D	(.78).	.44	.1936
G. Olsen.	5D	(1.3)	.08	.0064.
S. Wynn.	5D	(.2).	1.02	1.0404.
F. Bridges.	5D	(1.3)	.08	.0064.
G. Bell.	5D	(1.36).	.14	.0196.
H. Ceasar.	5D	(1.4).	.18	.0324.
J. Ballard.	5D	(2.3)	1.08	1.1664.
J. Bowden	5D	(1.1)	.12	.0144.
C. Carreno	5D	(1.3)	.08	.0064
G. Provost.	———			2.9914 / 13 = .2301
K. White	———			

σ = .48

63 DATA DAYS.

Week Six

N = 14.

AVE = 1.25

C. Harrison	40	(.58)	.67	.4489
K. Chandler	40	(2.38)	1.13	1.2769
G. Smith	30	(1.03)	.22	.0484
G. Hill	40	(.65)	.6	.36
C. Ritter	40	(.84)	.41	.1681
G. Olsen	40	(1.7)	.45	.2025
S. Wynn	40	(.4)	.85	.7225
F. Bridges	40	(2.4)	1.15	1.3225
G. Bell	40	(.72)	.53	.2809
H. Ceasar	40	(1.2)	.05	.0025
J. Ballard	40	(2.5)	1.25	1.5625
J. Bowden	30	(1.6)	.35	.1225
C. Carrero				
G. Provost	40	(.33)	.92	.8464
K. White	40	(1.21)	.04	.0016
				7.3462

$\frac{7.3462}{14} = .526$

54 DATA DAYS.

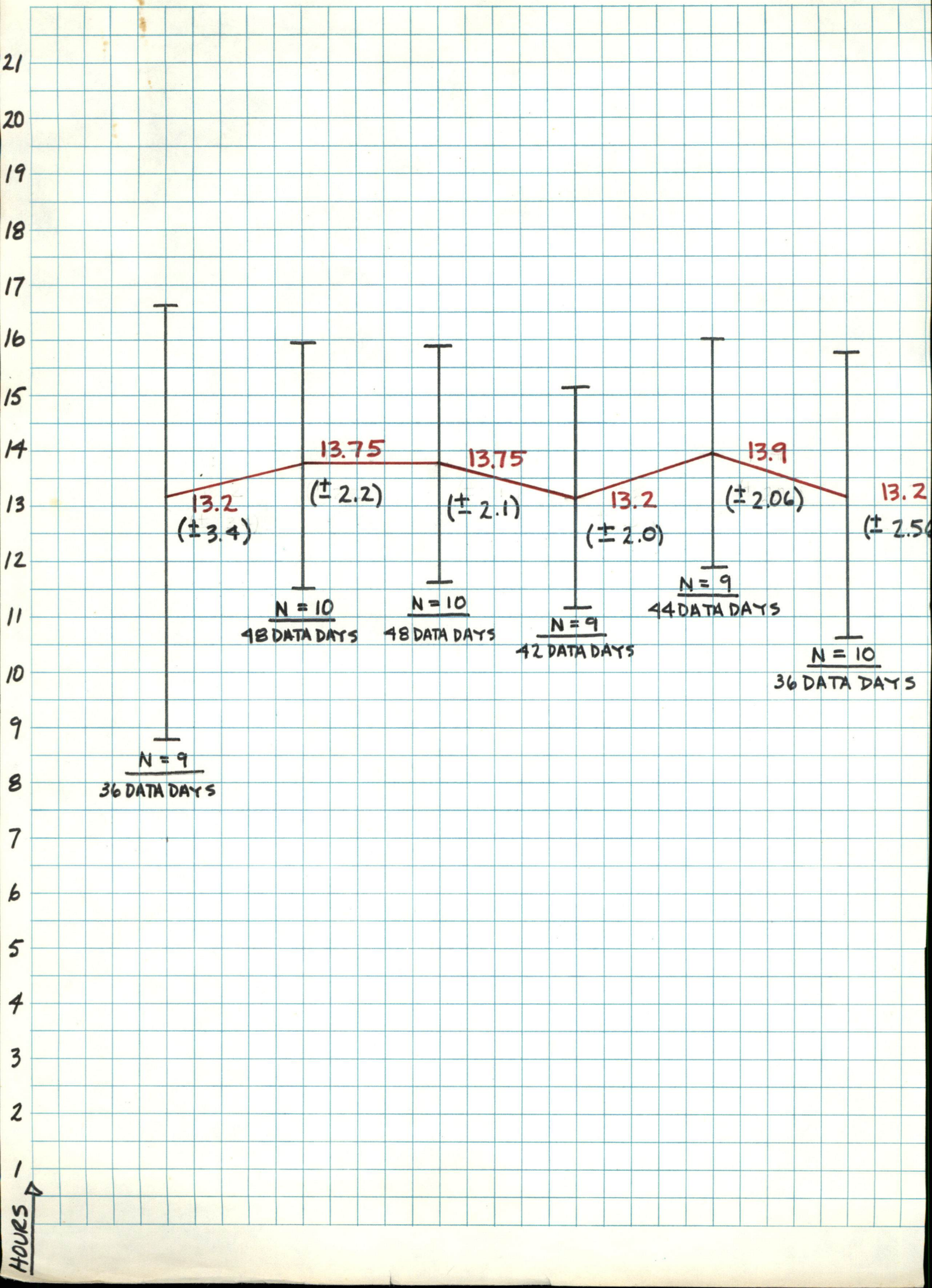
$\sigma = .725$

RTM GRAPH

Representing participants of the New Options program who are 18 thru 21 years of age

* ave. daily out of bed time for each week shown ——

(Data collected from an average of 10 persons for each weekly category, over 6, 6 week cycles.)


21
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
HOURS
13.2
(±3.4)
13.75
(±2.2)
13.75
(±2.1)
13.2
(±2.0)
13.9
(±2.06)
13.2
(±2.5
N = 9
36 DATA DAYS
N = 10
48 DATA DAYS
N = 10
48 DATA DAYS
N = 9
42 DATA DAYS
N = 9
44 DATA DAYS
N = 10
36 DATA DAYS

RTM STUDY FOR PARTICIPANTS

AGE 18 THRU 22

Week One N = 9 AVE = 13.2

A. Cervantes	4D	(14.12.)	.92	.8464
M. Alford	4D	(12.5)	.7	.49
G. Bilnoski	4D	(5.33)	7.87	61.9369
R M Boner	4D	(13.8)	.6	.36
M Lancaster	4D	(15.3)	2.1	4.41
R. Murray	4D	(10.0)	3.2	10.24
T. Fancher	4D	(17.5)	4.3	18.49
J. Vickers	4D	(15.2)	2.0	4.0
C. Heartfield	4D	(15.0)	1.8	3.24
V. MacD.	———			104.0133 / 9 = 11.56

36 DATA DAYS σ = 3.4

$\sqrt{11.56}$ = 3.40

16.6

9.8

Week Two N = 10 AVE. = 13.73

A. Cervantez	5D	(12.96)	.77	.5929
M. Alford	5D	(11.6)	2.13	4.5369
G. Bilnoski	5D	(12.0)	1.73	2.9929
M. Bonze	5D	(13.43)	.3	.09
M. Lancaster	5D	(14.3)	.57	.3249
R. Murray	5D	(9.54)	4.19	17.5561
T. Fancher	5D	(17.1)	3.37	11.3569
J. Vickers	5D	(14.9)	1.17	1.3689
C. Heartfield	5D	(15.0)	1.27	1.6129
V. MacD.	4D	(16.5)	2.77	7.6729

$\frac{48.1053}{10} = 4.81$

48 DATA DAYS $\sigma = 2.2$

15.93

11.53

Week Three

N = 10

AVE. = 13.75

A Cervantez	SD	(14.13)	.38	.1444
M. Alford	SD	(10.83)	2.92	8.5264
G. Bilnoski	SD	(11.0)	2.75	7.5625
M. Bowe	SD	(13.36)	.39	.1521
M. Lancaster	SD	(15.0)	1.25	1.5625
R. Murray	SD	(10.65)	3.1	9.61
T. Foucher	SD	(16.0)	2.25	5.0625
J. Vickers	SD	(14.9)	1.15	1.3225
C. Heartfield	SD	(15.0)	1.25	1.5625
V. MacD.	SD	(16.6)	2.85	8.1225

43.6279 / 10 = 4.36

48 DATA DAYS

σ = 2.08

13.75 + 2.08 = 15.83

13.75 − 2.08 = 11.67

Week Four $N = 9$ AVE. = $\boxed{13.18}$

A. Cervantez	4D	(13.58)	.4	.16
M. Alford.	5D	(10.93)	2.25	5.0625
G. Bilnoski	5D	(11.4)	1.78	3.1684
M. Bonse.	5D	(14.24)	1.06	1.1236
M. Lancaster	5D	(14.0)	.82	.6724
R. Murray.	5D	(9.73)	3.45	11.9025
T. Fancher	3D	(16.6)	3.42	11.6964
J. Vickers.	5D	(13.2)	.02	.0004
C. Heartfield.	5D	(15.0)	1.82	3.3124
V. MacD.	———			Σ 37.0986

$\frac{37.0986}{9} = 4.12$

42 DATA DAYS $\sigma = \boxed{2.03}$

Week Five N = 9 AVE. = 13.87

A. Cervantez				
M. Alford	5D	(11.93)	1.94	3.7636
G. Bilnoski	5D	(10.96)	2.91	8.4681
M. Brose.	5D	(14.56)	.69	.4761
M. Lancaster.	5D	(14.0)	.13	.0169
R. Murray	5D	(10.9)	2.97	8.8209
T. Fancher.	5D	(16.0)	2.13	4.5369
J. Vickus.	5D	(13.9)	.03	.0009
C. Heartfield.	5D	(16.25)	2.38	5.6644
V. MacD.	4D	(16.4)	2.53	6.4009
				38.1487

$\frac{38.1487}{9} = 4.24$

$\sigma = 2.06$

44 DATA DAYS

13.9 + 2.06 = 15.96

13.8 + 2.06 = 11.84

Week Six

N = 10 AVE. = 13.2

A. Cervantes	40	(11.33)	1.87	3.4969
M. Alfred.	40	(10.95)	2.25	5.0625
G. Bilinski	30	(11.3)	1.9	3.61
M. Bonner.	40	(15.53)	2.33	5.4289
M. Lancaster	40	(12.6)	.6	.36
R. Murray	40	(8.33)	4.87	23.7169
T. Fancher.	40	(16.3)	3.1	9.61
J. L. Vickers.	30	(13.88)	.68	.4624
C. Heartfield.	30	(16.0)	2.8	7.84
V. MacD.	30	(15.7)	2.5	6.25

65.8376 / 10 = 6.58

36 DATA DAYS.

σ = 2.56

2.56 × 4 = 10.64

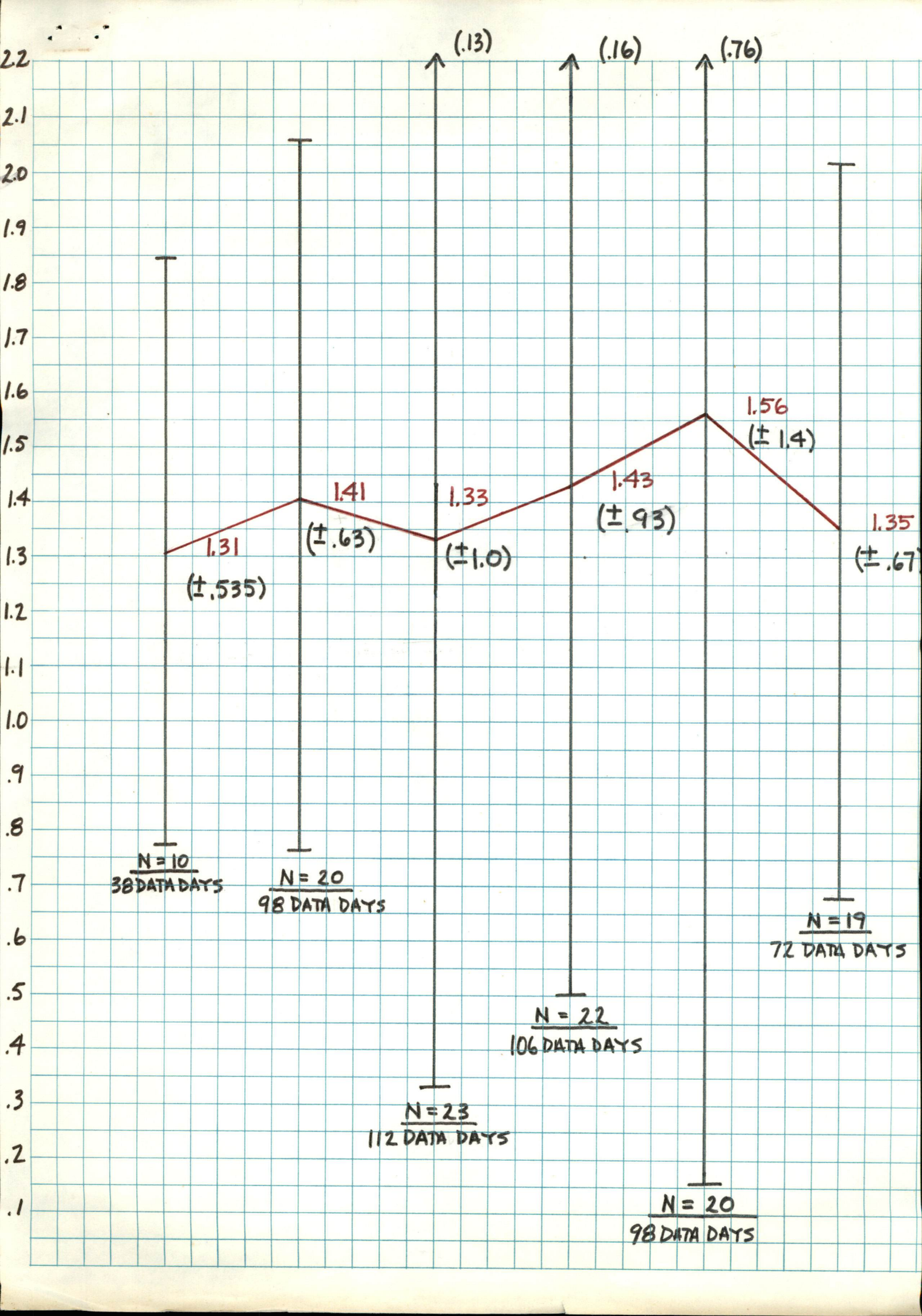
15.76

ODOMETER GRAPH

Representing participants of the New Options program who are 18 thru 21 years of age.

— ave. daily mileage for each week shown

(Data collected from an average of 19 participants for each weekly category, over 11, 6 week cycles)


2.2
2.1
2.0
1.9
1.8
1.7
1.6
1.5
1.4
1.3
1.2
1.1
1.0
.9
.8
.7
.6
.5
.4
.3
.2
.1
(.13)
(.16)
(.76)
1.31
(±.535)
1.41
(±.63)
1.33
(±1.0)
1.43
(±.93)
1.56
(±1.4)
1.35
(±.67)
N = 10
38 DATA DAYS
N = 20
98 DATA DAYS
N = 23
112 DATA DAYS
N = 22
106 DATA DAYS
N = 20
98 DATA DAYS
N = 19
72 DATA DAYS

ODOMETER STUDY FOR PARTICIPANTS AGE 18 THRU 20.

N = 10 AVE. = 1.31

Week One

A. Cervantez	3D	(1.13)	.18	.0324
M. Alford	4D	(2.32)	1.01	1.0201
G. Bilnoski	4D	(.67)	.64	.4096
R.M. Bonse	4D	(1.5)	.19	.0361
M. Lancaster	———			
R. Murray	———			
M. Bonnidge	———			
S. Walker	———			
G.D. Witt	———			
C. Lunn	4D	(2.0)	.69	.4761
P. Landry	4D	(.9)	.41	.1681
D.A. Justiss	4D	(.5)	.81	.6561
A. Rye	———			
S.C. Guest	4D	(1.35)	.04	.0016
P. Ward	———			
D. Naumann	———			
G.D. Gordon	———			
S.K. Tuck	———			
T. Fancher	3D	(1.2)	.11	.0121
J.L. Vickers	4D	(1.53)	.22	.0484
V. MacDaniel	———			
J.L. Colon	———			
R.L. Patin	———			
R. Trevino	———			

2.8606 / 10 = .28606 =

38 DATA DAYS.

σ = .535

Week Two N = 20 AVE. 1.41

A. Cervantez	5D	(.83)	.58	.3364
M. Alford	5D	(1.65)	.24	.0576
G. Bilnoski	5D	(.95)	.46	.2116
R.M. Bonse	———			
M. Lancaster	———			
R. Munay	5D	(.83)	.58	.3364
M. Bonidge	5D	(.83)	.58	.3364
S. Walker	5D	(.7)	.71	.5041
G. Witt	———			
C. Lunn	5D	(1.4)	.01	.0001
P. Landry	5D	(1.4)	.01	.0001
D. Justiss	5D	(.7)	.71	.5041
A. Rye	———			
S. Guest.	4D	(1.85)	.44	.1936
S. Tuck	5D	(.9)	.51	.2601
P. Wand	5D	(1.3)	.11	.0121
D. Naumann	5D	(1.0)	.41	.1681
G. Gordon	5D	(1.3)	.11	.0121
F. Fancher	5D	(1.4)	.01	.0001
J. Vickers	5D	(2.0)	.59	.3481
V. MacDaniel	4D	(1.95)	.54	.2916
J. Colon	5D	(1.5)	.09	.0081
R. Patin	5D	(1.1)	.31	.0961
R. Trevino	5D	(3.6)	2.19	4.7961

$\frac{8.4729}{20} = .423645 =$

98 DATA DAYS.

$\sigma = \boxed{.651}$

Week Three

N = 23 AVE. = 1.33

A. Cervantez	5D	(1.10)	.23	.053
M. Alford	5D	(1.65)	.32	.1024
G. Bihuski	5D	(.62)	.71	.5041
R. Bonse	4D	(2.31)	.98	.9604
M. Lancaster	5D	(1.38)	.05	.0025
R. Murrey	5D	(.53)	.8	.64
M. Bonnidge	5D	(.52)	.81	.6561
S. Walker	5D	(.5)	.83	.6889
G. Witt	5D	(.5)	.83	.6889
C. Lumm	5D	(1.0)	.33	.1089
P. Handley	5D	(1.4)	.07	.0049
D. Justiss	5D	(.75)	.58	.3364
A. Rye				
S. Guest	5D	(1.74)	.41	.1681
S. Tuck	5D	(.4)	.93	.8649
P. Ward	5D	(1.6)	.27	.0729
D. Naumann	5D	(1.3)	.03	.0009
G. Gordon	5D	(.42)	.91	.8281
T. Fincher	4D	(1.65)	.32	.1024
J. Vickers	5D	(1.54)	.21	.0441
V. MacDaniel	4D	(2.3)	.97	.9409
J. Colon	5D	(1.2)	.13	.0169
R. Potin	5D	(1.0)	.33	.1089
R. Trevino	5D	(5.2)	3.87	14.9769

$\frac{22.8715}{23} = .9944 =$

112 DATA DAYS

$\sigma = \boxed{1.0}$

2.0

Week Four

N = 22

AVE. = 1.43

A. Covarrubias	3D	(.67)	.76	.5776
M. Alford	5D	(1.3)	.13	.0169
G. Bilnoski	5D	(.63)	.8	.64
R. Bonse	5D	(2.12)	.69	.4761
M. Lancaster	5D	(1.36)	.07	.0049
R. Murray	5D	(.75)	.68	.4624
M. Bramidge	5D	(.70)	.73	.5329
S. Walker	5D	(.90)	.53	.2809
G. Witt	5D	(.90)	.53	.2809
C. Lunn				
P. Landry	5D	(1.3)	.13	.0169
D. Justiss				
A. Rye	5D	(1.0)	.43	.1849
S. Guest	5D	(1.46)	.03	.0009
P. Ward	5D	(1.7)	.27	.0729
D. Naumann	5D	(.76)	.67	.4489
G. Gordon	5D	(.54)	.89	.7921
S. Tuck	5D	(1.0)	.43	.1849
T. Fancher	4D	(.6)	.83	.6889
J. Vickers	5D	(1.04)	.39	.1521
V. MacDaniel	4D	(1.2)	.23	.0529
J. Colon	5D	(2.0)	.57	.3249
R. Patin	5D	(1.2)	.23	.0529
R. Trevino	5D	(5.0)	3.57	12.7449

18.9907 / 22 = .8632

106 DATA DAYS.

σ = .93

Week Five

N = 20

AVE. 1.56

A. Cervantez				
M. Alford	50	(1.88)	.32	.1024
G. Bilnoski	50	(.98)	.58	.3364
R. Bause	50	(1.71)	.15	.0225
M. Lancaster	50.	(1.25)	.31	.0961
R. Murray	50	(.96)	.6	.36
M. Burridge	50	(.93)	.63	.3969
S. Walker	50	(.9)	.66	.4356
G. Witt				
C. Lunn	50	(.3)	1.26	1.5876
P. Landry	50	(1.3)	.26	.0676
D. Justice				
A. Rye	50	(1.2)	.36	.1296
S. Guest	50	(1.1)	.46	.2116
P. Ward	50	(1.6)	.04	.0016
D. Naumann	50	(.74)	.82	.6724
G. Gordon	50	(1.7)	.14	.0196
S. Tuck	50	(1.2)	.36	.1296
T. Fancher	40	(.56)	1.0	1.0
J. Vickers	50	(1.81)	.25	.0625
V. MacDaniel	40	(2.8)	1.24	1.5376
J. Colon				
R. Patin	50	(1.2)	.36	.1296
R. Trevino	50	(7.2)	5.64	31.8096

$\frac{39.1088}{20} = 1.9554 =$

98 DATA DAYS.

$\sigma = 1.4$

Week Six

N = 19

AVE. = 1.35

A. Cervantez				
M. Alford	3D	(2.61)	1.26	1.5876
G. Bilnoski	3D	(1.62)	.27	.0729
R. Bonse	4D	(1.73)	.38	.1444
M. Lancaster	4D	(.77)	.58	.3364
R. Murray	4D	(.64)	.71	.5041
M. Bainidge				
S. Walker				
G. Witt	4D	(.5)	.85	.7225
C. Lunn	4D	(1.2)	.15	.0225
P. Landry	4D	(1.4)	.05	.0025
D. Justiss	4D	(1.1)	.25	.0625
A. Rye	4D	(1.1)	.25	.0625.
S. Guest	4D	(2.4)	1.05	1.1025
P. Ward.	4D.	(1.8)	.45	.2025
D Bumann	4D.	(.64)	.71	.5041
G. Gordon.	4D	(2.1)	.75	.5625
S. Tuck.	4D	(1.2)	.15	.0225.
T. Fancher	4D	(.13)	1.22	1.4884
J. Vickers.	3D	(1.65)	.3	.09
V. MacDaniel	3D	(2.2)	.85	.7225
J. Colvin.				
R. Patin	4D	(.9)	.45	.2025
R. Trevino				8.4154 / 19 = .443 =

72 DATA DAYS.

σ = .67

Additions to RTM summary —

Use of attendants record book.

Data on OOBT can be double checked for accuracy — the record notebook that the attendants keep is very meticulously written with every detail from lighting a cigarette to the daily routines of personal hygiene, dressing and eating.

— when notebook is actually used, I will make note beside collected data as to my source if it is other than 7GH rolls or computer print-out sheets. — it should be interesting to see how often I refer to this source.

— since computer data and 7GH roll data often go out, the attendants' activity notebook proves to be the most steady of records even though times and activities may not always be as precise as the data which the computer will collect when it is running well.

A.

Additions to RTM summary →

- rate of discrepancies in system
- are mistakes with master system
  a with timer monitors, or are the
  individual monitoring devices not
  adequately adopted to participants' body
  weight — is there a change in mattress?
  or added mattresses?
  on occasion, a jell pad is put on bed.
- weight distribution of each participant
  is different — some are heavy, long, short,
  slender — some sleep curled — distribution
  and concentration of body weight in
  certain areas affects the individual
  monitors.
- Overall, what can clarify the need for
  such frequent validity checks.

REST TIME MONITOR (RTM) RESEARCH PROCEEDURE

RTM VALIDITY CHECK

FIRST, AN OBSERVATION OF THE RTM MASTER MONITOR IS MADE. THIS IS FOLLOWED BY A PERSONAL VALIDITY CHECK WHICH INVOLVES A SIMPLE CHECK OF EACH PARTICIPANTS' ROOM TO SEE THAT THE SYGNALS REGISTERED ON MASTER MONITOR AND ON INDIVIDUAL ROOM MONITORS COINCIDE WITH THE ACTIONS OF THE PARTICIPANT.

DATA IS THEN RECORDED ON RTM VALIDITY SHEETS AS

TRUE/POSITIVE → TP

TRUE/NEGATIVE → TN

FALSE/POSITIVE → FP

FALSE/NEGATIVE. → FN

FOR EXAMPCE:

— THE MASTER MONITOR AND INDIVIDUAL ROOM MONITOR REGISTER THE PARTICIPANT TO BE IN BED, AND PERSONAL OBSERVATION INDICATES THAT THE PARTICIPANT IS IN BED — THEN ON VALIDITY DATA SHEETS A TP IS RECORDED.

— IF THE MONITORS REGISTER THE PARTICIPANT TO BE IN BED AND UPON PERSONAL OBSERVATION THE PARTICIPANT IS NOT IN BED THEN A FP IS RECORDED.

— IF THE MONITOR REGISTERS THE PARTICIPANT NOT IN BED AND UPON PERSONAL OBSERVATION THE PARTICIPANT IS INDEED OUT OF BED, THEN A TN IS RECORDED.

— IF THE MONITOR REGISTERS THE PARTICIPANT NOT IN BED AND UPON PERSONAL OBSERVATION THE PARTICIPANT IS FOUND IN BED, THEN A FN IS RECORDED ON VALIDITY SHEET.

*

THE TIME IS ALWAYS RECORDED WHEN A VALIDITY CHECK IS MADE.

RTM RESEARCH

DATA IS COLLECTED AND COMPARED FROM TWO SOURCES.

— 7GH COMPUTER ROLLS ARE SENT TO NEW OPTIONS FROM MAIN TIRR BLDG.

— TIME SPENT IN AND OUT OF BED BY PARTICIPANTS CAN BE READ FROM THE 7GH ROLLS.

HOWEVER, THIS PROCEEDURE IS TIME CONSUMING AND A LOT OF INCORRECT DATA MUST BE READ OUT OF 7GH ROLL AND NOT INCLUDED IN FINAL OUT OF BED TIME DATA (OOBT) CONSEQUENTLY, THE 7GH ROLLS ARE USED MAINLY AS COMPARISONS TO THE COMPUTER PRINT OUT SHEETS FOR OOBT. THESE PRINT OUTS ARE ALSO SENT FROM MAIN TIRR BLDG.

OR USED WHEN COMPUTER PRINT OUTS MALFUNCTIONING

— THE COMPUTER PRINT OUT SHEET INDICATES HOW MUCH TIME EACH PARTICIPANT SPENDS OUT OF BED (MONDAY THRU SUNDAY) AND THE FREQUENCY, OR NUMBER OF TIMES THE PARTICIPANT GETS IN AND OUT OF BED.

ALL OF THIS DATA IS RECORDED ON RTM RESEARCH GRAPHS AND COMPARISONS TO OTHER DATA IS MADE. THESE INCLUDE: DAILY SCHEDULED TIME (CONSISTING OF ALL TIME IN WHICH SCHEDULED ACTIVITIES, FROM MONDAY TO FRIDAY OF EACH CYCLE WEEK, OCCURS.
ALSO RECORDED IS AVERAGE DAILY OOBT FROM MONDAY TO FRIDAY AND AVE. DAILY SCHEDULED TIME FROM MONDAY TO FRIDAY.

* SPECIAL CONSIDERATION IS GIVEN TO WEEKEND DATA COLLECTION —

IF PARTICIPANT IS AWAY FROM THE ANNEX BLDG. DURING THE WEEKEND, THEN DATA IS ESTIMATED BY RESEARCH SUBJECT AND DATA COLLECTOR IN DETERMINING OOBT.

ALSO, SOME INCONSISTENT DATA IS VALIDATED BY PERSONAL INTERVIEWS WITH PARTICIPANTS.

— FOR EXAMPLE: AN ILLNESS THAT MAKES IT NECESSARY FOR A PARTICIPANT TO STAY IN BED ALL DAY VALIDATES AN OOBT OF (0) HOURS.

ODOMETER RESEARCH PROCEDURE

DURING INITIAL WEEK OF EACH CYCLE, ODOMETERS ARE ATTACHED TO PARTICIPANTS WHEELCHAIRS.

ON THREE DAYS OF EACH WEEK. (TUES, THURS., AND FRI.), DATA IS RECORDED ON ODOMETER CHARTS

— TO FIND THE NUMBER OF MILES THAT THE PARTICIPANT TRAVELS, THE FOLLOWING CALCULATIONS

THE DIFFERENCE FROM THE PREVIOUS DAY IS MULTIPLIED BY 5.24 FOR ELECTRIC CHAIRS AND 6.28 FOR THE MANUAL CHAIR.

THIS SUM IS THEN DIVIDED BY THE NUMBER OF FEET IN MILES 5280 FT.

(DIFFERENCE · 5.24 / 5280 FT. — FOR ELECTRIC CHAIR)
(DIFFERENCE · 6.28 / 5280 FT. — FOR MANUAL CHAIR)

The collected data is then averaged for daily and weekly mileage.

Finally, the data is recorded on Odometer Research Graphs

* Special consideration is given to participants who use both manual and electric chairs. Data is collected from both chairs at the same scheduled time and mileage is calculated from there.

Establish procedure for Giving Ratings and Tallying responses.

Summaries are directed to all activities during Annex stay
- participants name should only be placed on discharge and follow-up questionaire
- on all other sheets, (Program rating, staff rating, and module rating) - a serial # will be used.

After discharge and follow ups questionaire and Program / Staff ratings are finished.

- New Options Module Ratings - explanation of filling in specific module and answer all questions in reference to that module. (each module rating sheet should be filled out according to one module only)

Participants initials should be placed on sheet, however backwards.

Lex, please write up a memo → Research Code for Cycle 6 participants

Lex,

Next Thursday would be ideal for Claude and I to meet at TRR to go over info on computers and programming involved

—— hopefully on Tuesday, you and I can list all info necessary for our needs for this specific programming

- Also, here's a sample of weekly scheduled time summary - I'll be attached with both odometer and RTM graphs.

- Odometer data has been going slowly - many changes

- Didn't know the guys are keeping a type recorded diary - sound good and should be helpful in many ways for me too

- Right now RTM check is working out fine with Sammie James.

Lex, here's some notes I've made that you might want to go through.

for odometer readings —
a precise time must be calculated when collecting data —
- for some days, the data will not be a 24 hr. reading ± (/
it will be > or <. — INORATING —

— Seperate graphs of daily and weekly RTM / OD studies will be made
- except perhaps with the earlier cycles
- there is not enough specific information, so averages will be sufficient to use as comparisons —

— Marc Lancaster's RTM is functioning fine now — however, must go through 76H rolls to pin point precise OOBT — personal interviews may be necessary, but most unusual, questionable data can easily be discredited.

When odometer graphs develop — many records of which type of chain was used and when, two different ranges can be used — it can be tried on cycle 7, and judged as useful or not.