

MB 152



1854

MICROFILMED

$$\begin{array}{r} 13.82 \\ 3.53 \\ \hline 10.31 \end{array}$$
$$\begin{array}{r} 20.98 \\ 7.80 \\ \hline 13.18 \end{array}$$
$$\begin{array}{r} 23.18 \\ 10.07 \\ \hline 13.11 \end{array}$$

MB. N^o 152

CROSS SECTIONS OF CABRILLO ISLAND
AFTER COMPLETION. W.O. 64501

NOTE: For Horizontal & Vertical Control
See M.B. No 150

STA. W. 84+00; 0+00 = N. 14,000

Sta	+	H.I.	-	Elev
B.M.	2.11	13.84		11.73
0			6.9	6.9
N. 43			9.0	4.8

STA. W. 85+00; 0+00 = N. 14,000

0		1.6		12.2
N. 20		1.7		12.1
N. 75		6.5		7.3
N. 99		8.3		5.5
N 110		8.9		4.9

STA. W. 86+00; 0+00 = N. 14,000

0		1.4		12.4
N 75		1.5		12.3
N 100		4.7		9.4
N 160		9.2		4.6

Stamp^o

7-26-61

Elmore

Hecht

Burris

Additional X-sec's By Allen;
Notes in M.B. F.B. No 154

Mon. Fran. F.B. No 150
34

7-26-61

STA. W. 87+00: 0+00 = N. 14,000

Sta	H.I.	-	Elev
0	13.84	1.0	12.8
N. 100		2.7	11.1
N. 111		2.8	11.0
N. 190		9.1	4.7

STA. W. 88+00: 0+00 = N. 14,000

0	1.0	12.8
N. 100	3.2	10.6
N. 127	3.3	10.5
N. 197	9.0	4.8

STA. W. 89+00: 0+00 = N. 14,000

0	1.8	12.0
N. 100	3.3	10.5
N. 125	3.5	10.3
N. 191	8.9	4.9

STA. W. 90+00: 0+00 = N. 14,000

0	2.2	11.6
N. 100	3.2	10.6
N. 115	3.5	10.3
N. 160	6.6	7.2
N. 183	9.1	4.7

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STA. W. 91+00; 0+00 = N. 14,000

Sta	+	H.I.	-	Elev
0		13.84	2.4	11.4
N. 93			3.2	10.6
N. 143			6.5	7.3
N. 165			9.0	4.8

STA. W. 92+00; 0+00 = N. 14,000

0		2.9	10.9
N. 63		3.7	10.1
N. 105		6.6	7.2
N. 134		9.2	4.6

STA. W. 93+00; 0+00 = N. 14,000

0		3.5	10.3
N. 16		3.6	10.2
N. 66		6.6	7.2
N. 91		9.0	4.8

STA. W. 94+00; 0+00 = N. 14,000

0		6.0	7.8
N. 13		6.5	7.3
N. 40		9.1	4.7

STA. N. 140+00; 0+00 = W. 8800

Sta	+	H.I.	-	Elev
0		13.84	1.0	12.8
E100			1.0	12.8
E200			1.4	12.4
E300			1.6	12.2
E323			1.9	11.9
E400			6.9	6.9
E441			9.0	4.8
W. 100			1.8	12.0
W. 200			2.2	11.6
W. 300			2.4	11.4
W. 400			2.9	10.9
W. 500			3.5	10.3
W. 527			3.7	10.1
W. 600			6.0	7.8
W. 619			6.6	7.2
W. 655			9.0	4.8

TP

7.97 20.98

0.83 13.01

'2x2 Hub
N/4000
W878082

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STA. N. 139+00; 0+00 = N. 8829.59

Sta	+	H.I.	-	Elev
0		20.98	7.3	13.7
E 53			6.4	14.6
E 100			5.4	15.6
E 188			5.8	15.2
E 200			6.1	14.9
E 300			7.0	14.0
E 400			9.1	11.9
E 420			9.4	11.6
E 500			12.9	8.1
E 554			17.1	3.9
W. 100			7.3	13.7
W. 200			7.7	13.3
W. 300			8.5	12.5
W. 400			9.4	11.6
W. 500			10.4	10.6
W. 600			10.2	10.8
W. 651			10.5	10.5
W. 700	10.8	5.2	13.0	8.0
W. 715			13.6	7.4
W. 754			16.4	4.6

STA. N. 138+00; 0+00 = W. 8878.36

Sta	+	H.I.	-	Elev
0		20.98	6.0	15.0
E 46			5.0	16.0
E 100			5.0	16.0
E 200			5.5	15.5
E 300			5.7	15.3
E 330			5.9	15.1
E 400			6.7	14.3
E 500			8.2	12.8
E 574			9.5	11.5
E 600			11.4	9.6
E 627			13.4	7.6
E 660			16.6	4.4
W. 100			6.4	14.4
W. 200			7.0	14.0
W. 300			7.7	13.3
W. 400			8.3	12.7
W. 500			9.3	11.7
W. 600			9.2	11.8
W. 700			9.7	11.3
W. 750			13.4	7.6
W. 795			16.8	4.2

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STA. N. 137400; 0400 = W. 8,927.13

Sta	+	H. I.	-	Elev
0		20.98	5.7	15.3
E 31			4.6	16.4
E 100			4.7	16.3
E 200			5.2	15.8
E 300			5.7	15.3
E 400			6.1	14.9
E 500			6.6	14.4
E 572			6.5	14.5
E 600			7.0	14.0
E 679			9.2	11.8
E 700			11.3	9.7
E 762			17.1	3.9
W. 100			5.6	15.4
W. 200			6.0	15.0
W. 300			7.1	13.9
W. 400			7.9	13.1
W. 500			8.4	12.6
W. 600			9.0	12.0
W. 700			9.1	11.9
W. 723			8.9	12.1
W. 771			13.6	7.4
W. 800			16.8	4.2

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STA. N. 136400; 0400 = W. 8,975.91

Sta	+	H. I.	-	Elev
0		20.98	4.7	16.3
E 100			5.0	16.0
E 200			5.9	15.1
E 300			5.9	15.1
E 400			6.0	15.0
E 500			6.0	15.0
E 600			6.4	14.6
E 700			6.9	14.1
E 779			8.8	12.2
E 800			11.1	9.9
E 872			18.5	2.5
W 100			4.9	16.1
W 200			5.5	15.5
W 300			6.4	14.6
W 400			7.2	13.8
W 500			8.0	13.0
W 600			8.5	12.5
W 700			9.5	11.5
W 725			9.2	11.8
W 800			16.0	5.0
W 825			18.3	2.7

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STA. N. 135+00; 0+00 = W. 9, 0 24.68

Sta	+	H.I.	-	Elev
0		20.98	4.6	16.4
E 100			5.0	16.0
E 200			5.6	15.4
E 300			6.0	15.0
E 400			6.1	14.9
E 500			6.1	14.9
E 600			6.3	14.7
E 700			6.4	14.6
E 800			7.1	13.9
E 866			9.0	12.0
E 900			12.8	8.2
E 968			18.7	2.3
W. 100			4.2	16.8
W. 200			4.7	16.3
W. 300			5.3	15.7
W. 400			6.0	15.0
W. 500			6.9	14.1
W. 600			8.1	12.9
W. 700			9.2	11.8
W. 726			8.8	12.2
W. 800			15.7	5.3
W. 835			18.7	2.3
TP			4.21	16.77

6.41 23.18

Hub
N 134
W 9073.45

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STA. N. 134+00; 0+00 = W. 9, 0 73.45

Sta	+	H.I.	-	Elev
0		23.18	6.4	16.8
E 64			7.1	16.1
E 100			7.1	16.1
E 200			7.9	15.3
E 300			7.8	15.4
E 400			8.3	14.9
E 500			8.3	14.9
E 600			8.8	14.4
E 700			9.0	14.2
E 800			9.6	13.6
E 900			11.0	12.2
E 939			12.5	10.7
E 1000			17.6	5.6
E 1036			21.0	2.2
W. 100			5.9	17.3
W. 200			6.2	17.0
W. 300			6.4	16.8
W. 400			7.3	15.9
W. 500			8.7	14.5
W. 600			10.2	13.0
W. 700			11.5	11.7
W 727			11.3	11.9
W 800			17.8	5.4
W 835			20.8	2.4

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STA. N. 133+00; 0+00 = W. 9, 122.23

Sta	+	H. I.	-	Elev
0		23.18	5.7	17.5
E100			5.8	17.4
E200			7.0	16.2
E300			7.3	15.9
E400			7.9	15.3
E500			8.3	14.9
E600			8.9	14.3
E700			9.8	13.4
E800			9.2	14.0
E900			9.6	13.6
E1000			12.1	11.1
E1010			12.1	11.1
E1100			20.7	2.5
W100			6.0	17.2
W200			6.0	17.2
W300			6.5	16.7
W400			7.2	16.0
W500			8.6	14.6
W600			10.3	12.9
W700			11.7	11.5
W727			11.7	11.5
W800			17.7	5.5
W837			20.6	2.6

STA. N. 132+00; 0+00 = W. 9, 171.00

Sta	+	H. I.	-	Elev
0		23.18	4.8	18.4
E100			4.9	18.3
E200			5.6	17.6
E300			6.9	16.3
E400			7.3	15.9
E500			8.0	15.2
E600			8.9	14.3
E700			9.3	13.9
E800			9.7	13.5
E900			9.4	13.8
E1000			10.0	13.2
E1068			12.4	10.8
E1100			15.5	7.7
E1155			20.5	2.7
W100			5.7	17.5
W200			5.8	17.4
W300			6.0	17.2
W400			7.0	16.2
W500			8.7	14.5
W600			10.0	13.2
W700			11.5	11.7
W729			11.8	11.4
W800			17.2	6.0
W839			20.5	2.7

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STA. N. 1314003 0+00 = W. 9.2 19.77

Sta. + H.I. - Elev

0. 23.18 4.5 18.7

E 100 4.9 18.3

E 200 5.5 17.7

E 300 6.0 17.2

E 400 6.8 16.4

E 500 7.0 16.2

E 600 8.7 14.5

E 700 8.9 14.3

E 800 9.6 13.6

E 900 10.0 13.2

E 1000 10.0 13.2

E 1100 12.6 10.6

E 1109 12.7 10.5

E 1195 20.4 2.8

W. 100 5.0 18.2

W. 200 5.6 17.6

W 300 6.2 17.0

W 400 7.2 16.0

W 500 8.9 14.3

W 600 10.0 13.2

W 700 11.2 12.0

W 730 11.3 11.9

W 800 17.2 6.0

W 830 20.1 3.1

Sta. + H.I. - Elev

TP. 23.18 4.63 18.55

2x2 Hub
N 130 /
W = B/L
N. 26° E

TRIANGULATION ELY. MISSION BAY

W.O. 64501 Cont'd. from FB. 150

(9)

STA	OBJECT	ANGLES	AV. LS	MEAN
(FB 150-P. 71)	LAM	D 86° 59' 49.9" - 11.0 R 86° 59' 46" - 03.4	86° 59' 40.7"	
LOT	R & OK	D 86° 59' 50.6" - 07.6 R 86° 59' 45.8" - 05.4	86° 59' 41.8"	86° 59' 40.9"
	H. DOG	D 86° 59' 49.2" - 11.0 R 86° 59' 47.4" - 05.2	86° 59' 40.2"	
✓	POND	D 71° 46' 02" - 13.4 R 71° 45' 56.2" - 00.0	71° 45' 52.4"	
LAM	R & OK	D 71° 46' 00.2" - 03.8 R 71° 45' 53" - 04.4	71° 45' 50.0"	71° 45' 50.6"
	BRANT	D 71° 46' 11" - 10.4 R 71° 45' 53.8" - 05.4	71° 45' 49.5"	
	POND	D 89° 17' 41.6" - 10.4 R 89° 17' 38.8" - 07.4	89° 17' 31.3"	
LAM	R & OK	D 89° 17' 40.6" - 12.0 R 89° 17' 38.4" - 05.8	89° 17' 30.6"	89° 17' 30.5"
	H. DOG	D 89° 17' 41.2" - 11.6 R 89° 17' 36.7" - 06.6	89° 17' 29.7"	
	BRANT	D 60° 24' 21.2" - 11.8 R 60° 24' 12.4" - 02.6	60° 24' 09.7"	
LAM	R & OK	D 60° 24' 19.2" - 08.0 R 60° 24' 13.0" - 06.4	60° 24' 08.9"	60° 24' 09.9"
	S. PARK	D 60° 24' 23.8" - 11.2 R 60° 24' 17.6" - 07.8	60° 24' 11.2"	
	DICK	D 44° 35' 13" - 06.2 R 44° 35' 08.2" - 0.0	44° 35' 07.5"	
LAM	R & OK	D 44° 35' 13.2" - 05.4 R 44° 35' 08" - 0.0	44° 35' 07.9"	44° 35' 07.3"
	SEAL	D 44° 35' 14" - 04.4 R 44° 35' 05.4" - 02.2	44° 35' 06.4"	
Pg. 10	H. DOG	D 37° 19' 53.4" - 06.8 R 37° 19' 47.6" - 06.8	37° 19' 43.9"	
✓ LAM	R & OK	D 37° 19' 51.6" - 08.2 R 37° 19' 47.4" - 03.0	37° 19' 43.9"	37° 19' 43.5"
	LOT	D 37° 19' 51.2" - 07.8 R 37° 19' 44.8" - 02.8	37° 19' 42.7"	

STA.	OBJECT	ANGLES	AV. LS	MEAN
(Cont'd from FB150)	5. PARK	D. 53° 08' 50.8" - 11.8 R. 53° 08' 47.2" - 10.6	53° 08' 37.8"	
SEAL	R ↓	D. 53° 08' 52.4" - 15.2 R. 53° 08' 50.6" - 11.2	53° 08' 38.3"	53° 08' 38.2"
	LAM	D. 53° 08' 53.6" - 15.0 R. 53° 08' 49.2" - 10.6	53° 08' 38.6"	
	LAM	D. 82° 12' 28.4" - 11.2 R. 82° 12' 20.6" - 06.8	82° 12' 15.5"	
SEAL	R ↓	D. 82° 12' 29.4" - 13.2 R. 82° 12' 23.4" - 06.4	82° 12' 16.6"	82° 12' 16.1"
	DICK	D. 82° 12' 29.0" - 12.8 R. 82° 12' 22.8" - 06.4	82° 12' 16.3"	
(FB150-Pg 68)	SEAL	D. 53° 12' 34"	53° 12' 35"	
DICK	R ↓	R. 53° 12' 36"	53° 12' 36"	53° 12' 36"
(Pg. 35)	LAM	D. 53° 12' 34" R. 53° 12' 38" D. 53° 12' 35" R. 53° 12' 39"	53° 12' 37"	
(FB-150-Pg. 76)	LAM	D. 51° 07' 51.0" - 12.0 R. 51° 07' 41.4" - 02.2	51° 07' 39.1"	
H. DOG	R ↓	D. 51° 07' 51.0" - 09.4 R. 51° 07' 42.0" - 06.0	51° 07' 38.8"	51° 07' 38.9"
(Pg. 35)	POND	D. 51° 07' 50.8" - 12.2 R. 51° 07' 43.4" - 04.4	51° 07' 38.8"	
(FB150-Pg 68)	H. DOG	D. 39° 35' 05.8" - 17.2 R. 39° 35' 00.4" - 15.6	39° 34' 46.7"	
POND	R ↓ o.k.	D. 39° 35' 05.8" - 17.6 R. 39° 34' 59.4" - 16.0	39° 34' 45.8"	39° 34' 46.1"
	LAM	D. 39° 35' 04.2" - 17.6 R. 39° 35' 01.2" - 16.0	39° 34' 45.9"	
(Pg. 9)	SEAL	D. 40° 45' 43" - 14.0 R. 40° 45' 32" - 09.6	40° 45' 29.3"	
LAM	R ↓ o.k.	D. 40° 45' 41.8" - 14.4 R. 40° 45' 34.6" - 09.0	40° 45' 33.5"	40° 45' 31"
	5. PARK	D. 40° 45' 40.2" - 15.2 R. 40° 45' 38.4" - 12.0	40° 45' 30.2"	

STA.	OBJECT	ANGLES	AV. LS	MEAN
	MID-SUN	D. $68^{\circ}43'41''$		
MOOSE	R ↓	R $68^{\circ}43'47''$	$68^{\circ}43'44''$	
(T. 12)	ISLE	D $68^{\circ}43'42''$		$68^{\circ}43'42''$
		R $68^{\circ}43'39''$	$68^{\circ}43'40.5''$	
	MOOSE	D $69^{\circ}08'11''$		
ISLE	R ↓	R $69^{\circ}08'07''$	$69^{\circ}08'09''$	
	MID-SUN	D $69^{\circ}08'10''$		$69^{\circ}08'09''$
		R $69^{\circ}08'09''$	$69^{\circ}08'09.5''$	
	ISLE	D $42^{\circ}08'01''$		
MID-SUN	R ↓	R $42^{\circ}08'03''$	$42^{\circ}08'02''$	
	MOOSE	D $42^{\circ}08'02''$		$42^{\circ}08'02''$
		R $42^{\circ}08'03''$	$42^{\circ}08'02.5''$	
	SUNSET CLIFFS BLV	D. $115^{\circ}34'51''$		
MID-SUN	R ↓	R $115^{\circ}34'53''$	$115^{\circ}34'52''$	
	ISLE	D. $115^{\circ}34'49''$		$115^{\circ}34'52''$
		R. $115^{\circ}34'54''$	$115^{\circ}34'51.5''$	
	L.V. TANK	D. $78^{\circ}00'01''$		
ISLE	R ↓	R. $78^{\circ}00'02''$	$78^{\circ}00'01.5''$	
	MID-SUN	D. $78^{\circ}00'05''$		$78^{\circ}00'02''$
		R. $78^{\circ}00'00''$	$78^{\circ}00'02.5''$	

STA.	OBJECT	ANGLES	AV. CS	MEAN
	L.V. TANK	D. 8° 51' 51"		
ISLE	R ↓	R. 8° 51' 53"	8° 51' 52"	
	MOOSE	D. 8° 51' 50"		8° 51' 53"
		R. 8° 51' 57"	8° 51' 53.5"	
	DUSTY	D 45° 31' 07" - 18.0		
		R. 45° 31' 01.6" - 12.0	45° 30' 49.3"	
ISLE	R ↓	D. 45° 31' 09.6" - 20.2		
		R. 45° 31' 05.2" - 15.4	45° 30' 49.6"	45° 30' 49.5"
	MOOSE	D 45° 31' 08.2" - 18.4		
		R 45° 31' 04.2" - 12.2	45° 30' 50.9"	
(FB 150-P979)	GABE	D 43° 24' 39"		
		R 43° 24' 45"	43° 24' 42"	
CLYDE	R ↓	D 43° 24' 40"		
		R 43° 24' 46"	43° 24' 44"	43° 24' 42.5"
	MOOSE	D 43° 24' 37"		
		R 43° 24' 46"	43° 24' 41.5"	
	CAUSEWAY	D 38° 48' 33.2" - 16.6		
		R 38° 48' 31.4" - 12.4	38° 48' 17.8"	
MOOSE	R ↓	D 38° 48' 35.6" - 20.2		
		R 38° 48' 22.4" - 15.6	38° 48' 16.1"	38° 48' 17.0"
	DUSTY	D 38° 48' 34.4" - 20.2		
		R 38° 48' 36.0" - 15.2	38° 48' 17.0"	
	CAUSEWAY	D 67° 30' 59.6" - 16.6		
		R 67° 30' 58.8" - 12.9	67° 30' 44.7"	
MOOSE	R ↓	D 67° 31' 03.8" - 20.2		
		R 67° 31' 00.0" - 15.6	67° 30' 43.6"	67° 30' 44.0"
	GABE	D 67° 31' 03.2" - 20.2		
		R 67° 30' 59.4" - 15.2	67° 30' 43.6"	
(P9. 13)	CLYDE	D 54° 27' 34.4" - 13.2		
		R 54° 27' 28.6" - 09.6	54° 27' 20.1"	
MOOSE	R ↓	D 54° 27' 35.0" - 13.0		
		R 54° 27' 28.8" - 09.4	54° 27' 20.7"	54° 27' 20.4"
	GABE	D 54° 27' 33.6" - 13.4		
		R 54° 27' 29.0" - 08.4	54° 27' 20.4"	

STA.	OBJECT	ANGLES	AV. LS	MEAN
	DUSTY	D 51° 24' 17.8" - 19.0" R 51° 24' 13.6" - 15.6"	51° 23' 58.4"	
MOOSE	R ↓	D 51° 24' 22.8" - 23.8" R 51° 24' 15.8" - 17.4"	51° 23' 58.7"	51° 23' 58.4"
(P.36)	CLIFF?	D 51° 24' 23.4" - 23.4" R 51° 24' 16.0" - 19.6"	51° 23' 58.2"	
	CLIFF	D 57° 09' 08" R 57° 09' 11"	57° 09' 09.5"	
DUSTY	R ↓	D 57° 09' 08" R 57° 09' 09"	57° 09' 08.5"	57° 09' 09"
	MOOSE	D 57° 09' 07" R 57° 09' 10"	57° 09' 08.5"	
	MOOSE	D 94° 59' 53.2" - 13.2" R 94° 59' 51.8" - 12.8"	94° 59' 39.7"	(7.3)
DUSTY	R ↓	D 94° 59' 51.8" - 16.0" R 94° 59' 52.6" - 12.9"	94° 59' 38.0"	94° 59' 38.4"
	CAUSEWAY	D 94° 59' 53.2" - 16.0" R 94° 59' 51.0" - 13.0"	94° 59' 37.6"	
	CLYDE	D 67° 52' 24" R 67° 52' 22"	67° 52' 23"	
DUSTY	R ↓	D 67° 52' 24" R 67° 52' 25"	67° 52' 24.5"	67° 52' 24"
	MIKE	D 67° 52' 24" R 67° 52' 25"	67° 52' 24.5"	
	RED	D 48° 03' 06" R 48° 03' 10"	48° 03' 08"	
DUSTY	R ↓	D 48° 03' 08" R 48° 03' 09"	48° 03' 08.5"	48° 03' 08.5"
	MIKE	D 48° 03' 10" R 48° 03' 07"	48° 03' 08.5"	
	CHISL+	D 63° 30' 00" R 63° 29' 58"	63° 29' 59"	
DUSTY	R ↓	D 63° 29' 58" R 63° 30' 00"	63° 29' 59"	63° 29' 59"
(P.14)	MIKE	D 63° 30' 00" R 63° 30' 00"	63° 30' 00.5"	

STA	OBJECT	ANGLES	AV. LS	MEAN
(P. 34)	GABE	D. 42° 59' 08" R. 42° 59' 04"	42° 59' 06"	
DUSTY	R ↓	D. 42° 59' 06" R. 42° 59' 04"	42° 59' 05"	42° 59' 05"
	CLIFF	D. 42° 59' 05" R. 42° 59' 03"	42° 59' 04"	
	BLUM	D. 63° 16' 26.7-07.8" R. 63° 16' 20.8-02.0"	63° 16' 18.85"	
GABE	R ↓	D. 63° 16' 25.8-06.2" R. 63° 16' 27.6-05.7"	63° 16' 17.45"	63° 16' 18.5"
	AL	D. 63° 16' 24.4-04.2" R. 63° 16' 19.6-01.2"	63° 16' 19.3"	
	AL	D. 65° 15' 51.1-13.5" R. 65° 15' 43.0-10.5"	65° 15' 35.05"	
GABE	R ↓	D. 65° 15' 48.5-13.1" R. 65° 15' 44.1-13.3"	65° 15' 33.1"	65° 15' 34"
	CLIFF	D. 65° 15' 48.7-13.5" R. 65° 15' 44.7-12.4"	65° 15' 33.75"	
	CLIFF	D. 88° 36' 26.5-14.0" R. 88° 36' 19.7-12.1"	88° 36' 10.5"	
GABE	R ↓	D. 88° 36' 23.9-17.8" R. 88° 36' 21.3-10.6"	88° 36' 08.85"	88° 36' 09"
	DUSTY	D. 88° 36' 24.8-18.4" R. 88° 36' 22.3-13.1"	88° 36' 07.8"	
	MOOSE	D. 60° 00' 33.8-06.0" R. 60° 00' 36.9-03.2"	60° 00' 30.75"	
GABE	R ↓	D. 60° 00' 35.8-07.9" R. 60° 00' 34.0-02.2"	60° 00' 30.35"	60° 00' 30.4"
	CAUSEWAY	D. 60° 00' 35.6-05.4" R. 60° 00' 30.2-0.0"	60° 00' 30.2"	
	MOOSE	D. 82° 08' 07.4-16.0" R. 82° 08' 08.9-12.6"	82° 07' 53.85"	
GABE	R ↓	D. 82° 08' 05.8-16.5" R. 82° 08' 04.4-09.2"	82° 07' 52.25"	82° 07' 52.8"
(P. 15)	CLYDE	D. 82° 08' 08.0-17.4" R. 82° 08' 05.5-10.2"	82° 07' 52.45"	

STA.	OBJECT	ANGLES	AV. LS	MEAN
GABE	CLYDE	D. 66° 26' 34.2" - 11.0	66° 26' 24.05"	
		R. 66° 26' 32.6" - 07.7		
	MIKE	D. 66° 26' 38.6" - 13.2	66° 26' 25.3"	66° 26' 25.2"
		R. 66° 26' 26.3" - 0.1		
(P. 36) 48 GABE	CAUSEWAY	D. 88° 33' 49.2" - 07.1	88° 33' 43"	
		R. 88° 33' 50.9" - 06.2		
	MIKE	D. 88° 33' 44.6" - 00.7	88° 33' 44.05"	88° 33' 43.4"
		R. 88° 33' 49.0" - 05.6		
CLIFF	GABE	D. 33° 56' 35.8" - 14.8	33° 56' 19.6"	
		R. 33° 56' 49.0" - 20.8		
	JOE	D. 33° 56' 47.4" - 26.8	33° 56' 20.2"	33° 56' 20.0"
		R. 33° 56' 53.0" - 33.2		
CLIFF	JOE	D. 30° 44' 03.4" - 10.4	30° 43' 49.6"	
		R. 30° 44' 06.0" - 19.8		
	AL	D. 30° 44' 08.0" - 16.6	30° 43' 51.2"	30° 43' 50.9"
		R. 30° 44' 11.6" - 20.6		
CLIFF	GABE	D. 64° 40' 42.8" - 32.4	64° 40' 10.4"	
		R. 64° 40' 43.0" - 32.6		
	AL	D. 64° 40' 39.6" - 26.8	64° 40' 11.8"	64° 40' 10.9"
		R. 64° 40' 44.0" - 33.2		
(P. 16) CLIFF	AL	D. 38° 34' 57.4" - 16.0	38° 34' 41.8"	
		R. 38° 34' 58.8" - 16.6		
	BEAN	D. 38° 35' 07.4" - 24.4	38° 34' 43.2"	38° 34' 42.3"
		R. 38° 35' 09.4" - 21.0		
		D. 38° 35' 03.8" - 19.2		
		R. 38° 35' 04.6" - 25.6	38° 34' 41.8"	

STA.	OBJECT	ANGLES	AV. LS	MEAN
	PETE	D. $46^{\circ}48'13.0'' - 16.0''$ R. $46^{\circ}48'12.0'' - 17.2''$ D. $46^{\circ}48'13.6'' - 20.2''$	$46^{\circ}47'55.9''$	
CLIFF (P. 15)	R ₁	D. $46^{\circ}48'08.0'' - 12.2''$ R. $46^{\circ}48'10.0'' - 15.8''$	$46^{\circ}47'55.6''$	$46^{\circ}47'55.5''$
	BEAN	R. $46^{\circ}48'13.0'' - 17.0''$	$46^{\circ}47'55.1''$	
	MOOSE	D. $71^{\circ}27'11.0'' - 13.4''$ R. $71^{\circ}27'08.0'' - 07.0''$ D. $71^{\circ}27'06.6'' - 06.4''$	$71^{\circ}26'59.3''$	
CLIFF	R ₁	R. $71^{\circ}27'04.2'' - 05.6''$ D. $71^{\circ}27'04.4'' - 05.6''$	$71^{\circ}26'59.4''$	$71^{\circ}26'59.0''$
	DUSTY	R. $71^{\circ}27'03.4'' - 03.6''$	$71^{\circ}26'58.3''$	
	DUSTY	D. $48^{\circ}28'00.6'' - 16.2''$ R. $48^{\circ}24'59.0'' - 12.0''$ D. $48^{\circ}25'01.6'' - 16.6''$	$48^{\circ}24'45.7''$	
CLIFF	R ₁	R. $48^{\circ}24'57.8'' - 13.0''$ D. $48^{\circ}25'02.8'' - 17.8''$	$48^{\circ}24'45.4''$	$48^{\circ}24'45.3''$
	GABE	R. $48^{\circ}25'02.0'' - 15.6''$	$48^{\circ}24'44.7''$	
	CLIFF	D. $55^{\circ}38'14.2'' - 16.2''$ R. $55^{\circ}38'11.2'' - 10.6''$ D. $55^{\circ}38'12.6'' - 10.4''$	$55^{\circ}37'59.3''$	
BEAN	R ₁	R. $55^{\circ}38'09.4'' - 09.2''$ D. $55^{\circ}38'13.4'' - 14.0''$	$55^{\circ}38'01.2''$	$55^{\circ}38'00.4''$
	AL	R. $55^{\circ}38'12.6'' - 10.6''$	$55^{\circ}38'00.7''$	
	CLIFF	D. $75^{\circ}02'33.0'' - 14.6''$ R. $75^{\circ}02'29.2'' - 10.6''$ D. $75^{\circ}02'32.6'' - 16.2''$	$75^{\circ}02'18.5''$	
BEAN	R ₁	R. $75^{\circ}02'33.0'' - 12.2''$ D. $75^{\circ}02'31.2'' - 14.0''$	$75^{\circ}02'18.6''$	$75^{\circ}02'18.6''$
	PETE	R. $75^{\circ}02'30.8'' - 10.6''$	$75^{\circ}02'18.7''$	
	PETE	D. $50^{\circ}43'02.4'' - 17.2''$ R. $50^{\circ}43'03.8'' - 15.2''$ D. $50^{\circ}43'03.4'' - 16.4''$	$50^{\circ}42'46.9''$	
BEAN (P. 17)	R ₁	R. $50^{\circ}43'02.2'' - 17.0''$ D. $50^{\circ}43'05.6'' - 18.6''$	$50^{\circ}42'48.6''$	$50^{\circ}42'47.8''$
	JACK	R. $50^{\circ}43'02.6'' - 18.8''$	$50^{\circ}42'47.9''$	

STA.	OBJECT	ANGLES	AV. LS	MEAN
	AL	D. 70° 07' 22.2" - 16.2" R. 70° 07' 21.0" - 15.8" D. 70° 07' 23.0" - 11.4"	70° 07' 08.6"	
BEAN (P. 16)	R↓	R. 70° 07' 21.4" - 13.4" D. 70° 07' 21.2" - 10.0"	70° 07' 09.8"	70° 07' 09.5"
	JACK	R. 70° 07' 21.8" - 13.0"	70° 07' 10.0"	
	JACK	D. 46° 13' 59.0" - 12.0" R. 46° 13' 57.4" - 10.8" D. 46° 14' 00.0" - 10.8"	46° 13' 46.8"	
BEAN	R↓	R. 46° 13' 58.6" - 10.8" D. 46° 13' 59.2" - 13.0"	46° 13' 48.5"	46° 13' 47.7"
	JIM	R. 46° 13' 59.0" - 09.6"	46° 13' 47.8"	
	BEAN	D. 66° 30' 02.0" - 17.4" R. 66° 30' 02.6" - 14.4" D. 66° 30' 04.6" - 17.8"	66° 29' 46.4"	
JIM	R↓	R. 66° 30' 04.8" - 16.6" D. 66° 30' 05.0" - 19.2"	66° 29' 47.5"	66° 29' 46.9"
	JACK	R. 66° 30' 03.8" - 16.2"	66° 29' 46.7"	
	JACK	D. 32° 39' 42.0" - 16.4" R. 32° 39' 40.2" - 15.4" D. 32° 39' 41.2" - 16.6"	32° 39' 25.2"	
JIM	R↓	R. 32° 39' 42.6" - 14.8" D. 32° 39' 42.2" - 16.6"	32° 39' 26.2"	32° 39' 25.5"
	IKE	R. 32° 39' 38.6" - 14.2"	32° 39' 25.0"	
	IKE	D. 66° 34' 25.0" - 14.8" R. 66° 34' 23.2" - 14.6" D. 66° 34' 25.6" - 15.2"	66° 34' 09.4"	
JIM	R↓	R. 66° 34' 21.4" - 14.0" D. 66° 34' 24.2" - 14.2"	66° 34' 08.6"	66° 34' 09"
	GUS	R. 66° 34' 21.6" - 13.6"	66° 34' 09.1"	
	JIM	D. 46° 22' 35.2" - 17.2" R. 46° 22' 33.6" - 15.6" D. 46° 22' 36.2" - 17.8"	46° 22' 18.0"	
GUS (P. 18)	R↓	R. 46° 22' 31.4" - 14.4" D. 46° 22' 34.4" - 17.0"	46° 22' 17.7"	46° 22' 17.9"
	IKE	R. 46° 22' 33.8" - 15.0"	46° 22' 18."	

STA.	OBJECT	ANGLES	AV. LS	MEAN
(P.17)	IKE	D. 60°21'00.6"-16.4" R. 60°23'59.8"-16.4"	60°23'43.8"	
GUS	R↓	D. 60°23'59.6"-14.8" R. 60°23'59.6"-14.8"	60°23'43.9"	60°23'43.7"
	DON	D. 60°24'02.0"-17.6" R. 60°23'58.4"-16.0"	60°23'43.4"	
	DON	D. 38°56'10.0"-17.4" R. 38°56'09.6"-18.6"	38°55'51.8"	
GUS	R↓	D. 38°56'13.0"-19.6" R. 38°56'09.0"-19.6"	38°55'51.4"	38°55'51.6"
	CHUCK	D. 38°56'13.4"-19.2" R. 38°56'11.2"-22.0"	38°55'51.7"	
	GUS	D. 38°11'50.2"-17.2" R. 38°11'50.0"-16.4"	38°11'33.3"	
CHUCK	R↓	D. 38°11'50.0"-18.4" R. 38°11'47.2"-14.8"	38°11'32.0"	38°11'32.8"
	IKE	D. 38°11'48.4"-17.2" R. 38°11'48.2"-13.4"	38°11'33.0"	
	GUS	D. 49°15'58.8"-17.2" R. 49°15'57.6"-14.0"	49°15'42.6"	
CHUCK	R↓	D. 49°15'58.2"-18.4" R. 49°15'54.8"-14.8"	49°15'39.9"	49°15'41.6"
	DON	D. 49°15'57.0"-16.8" R. 49°15'57.6"-13.4"	49°15'42.2"	
	DON	D. 42°41'25.4"-16.6" R. 42°41'22.2"-18.6"	42°41'06.2"	
CHUCK	R↓	D. 42°41'23.0"-16.0" R. 42°41'24.0"-19.0"	42°41'06.2"	42°41'06.6"
	N. BRIDGE	D. 42°41'25.2"-16.6" R. 42°41'23.4"-17.4"	42°41'07.3"	
	DON	D. 90°59'25.4"-16.6" R. 90°59'19.6"-18.6"	90°59'04.9"	
CHUCK	R↓	D. 90°59'21.4"-15.0" R. 90°59'22.0"-19.0"	90°59'04.7"	90°59'04.4"
	S. BRIDGE	D. 90°59'22.2"-18.0" R. 90°59'21.0"-17.4"	90°59'03.7"	

STA.	OBJECT	ANGLES	AV. LS	MEAN
S. BRIDGE	CHUCK	D. 51°21'27.0"-10.0" R. 51°21'25.4"-10.4"	51°21'16.0"	
	R	D. 51°21'30.2"-14.6" R. 51°21'30.0"-11.6"	51°21'17.0"	51°21'16.8"
	DON	D. 51°21'31.0"-13.8" R. 51°21'31.8"-14.0"	51°21'17.5"	
S. BRIDGE	DON	D. 34°13'26.2"-11.0" R. 34°13'25.4"-10.4"	34°13'15.1"	
	R	D. 34°13'26.4"-12.2" R. 34°13'25.6"-11.8"	34°13'14.0"	34°13'14.9"
	N. BRIDGE	D. 34°13'30.2"-12.2" R. 34°13'27.6"-14.4"	34°13'15.6"	
S. BRIDGE	CHUCK	D. 85°34'42.0"-10.0" R. 85°34'43.6"-14.0"	85°34'30.8"	
	R	D. 85°34'44.2"-14.6" R. 85°34'45.8"-11.6"	85°34'31.9"	85°34'31.7"
	N. BRIDGE	D. 85°34'45.6"-13.8" R. 85°34'46.8"-14.8"	85°34'32.3"	
S. BRIDGE	IKE	D. 78°16'26.6"-08.6" R. 78°16'29.0"-13.6"	78°16'16.7"	
	R	D. 78°16'28.0"-14.0" R. 78°16'29.0"-13.0"	78°16'15.0"	78°16'16"
	S. BONE	D. 78°16'28.2"-12.6" R. 78°16'32.0"-14.8"	78°16'16.4"	
S. BRIDGE	N. BRIDGE	D. 50°03'20.6"-14.4" R. 50°03'23.0"-10.0"	50°03'09.6"	
	R	D. 50°03'20.4"-09.8" R. 50°03'20.0"-11.6"	50°03'09.5"	50°03'09.2"
	EEL	D. 50°03'21.0"-13.0" R. 50°03'20.8"-11.6"	50°03'08.6"	
S. BRIDGE	EEL	D. 33°14'19.8"-14.2" R. 33°14'17.4"-13.2"	33°14'04.9"	
	R	D. 33°14'20.0"-14.0" R. 33°14'19.4"-13.0"	33°14'06.2"	33°14'05.6"
	BASS	D. 33°14'19.4"-13.4" R. 33°14'19.4"-14.0"	33°14'05.7"	

STA.	OBJECT	ANGLES	AV. LS	MEAN
	S. BRIDGE	D, 107° 05' 07.0" - 14.8" R, 107° 05' 06.0" - 17.0"	107° 04' 50.6"	
✓ BASS	R ↓	D, 107° 05' 08.8" - 18.2" R, 107° 05' 07.8" - 16.2"	107° 04' 51.1"	107° 04' 50.5"
	EEL	D, 107° 05' 09.5" - 19.0" R, 107° 05' 07.2" - 18.2"	107° 04' 49.9"	
	EEL	D, 23° 54' 19.8" - 12.0" R, 23° 54' 19.2" - 11.6"	23° 54' 07.7"	
✓ BASS	R ↓	D, 23° 54' 18.8" - 13.0" R, 23° 54' 18.2" - 11.2"	23° 54' 06.4"	23° 54' 07.1"
	S. BONE	D, 23° 54' 18.6" - 12.2" R, 23° 54' 19.6" - 11.8"	23° 54' 07.1"	
	S. BONE	D, 45° 18' 00.0" - 15.6" R, 45° 18' 00.0" - 16.6"	45° 17' 43.9"	
BASS	R ↓	D, 45° 17' 58.0" - 13.8" R, 45° 17' 55.2" - 11.6"	45° 17' 43.9"	45° 17' 43.8"
	WEBB	D, 45° 17' 53.8" - 11.2" R, 45° 18' 00.0" - 15.2"	45° 17' 43.7"	
(P. 38)	EEL	D, 69° 12' 03.0" - 12.0" R, 69° 12' 01.2" - 11.6"	69° 11' 50.3"	
BASS	R ↓	D, 69° 12' 04.2" - 13.0" R, 69° 12' 01.6" - 11.2"	69° 11' 50.8"	69° 11' 50.7"
	WEBB	D, 69° 12' 04.2" - 12.2" R, 69° 12' 01.6" - 11.8"	69° 11' 50.9"	
	BASS	D, 24° 54' 04.6" - 15.2" R, 24° 54' 02.0" - 09.6"	24° 53' 50.9"	
✓ WEBB	R ↓	D, 24° 54' 02.6" - 12.2" R, 24° 54' 00.6" - 08.6"	24° 53' 51.2"	24° 53' 51.1"
	EEL	D, 24° 54' 02.6" - 12.8" R, 24° 54' 01.0" - 08.2"	24° 53' 51.3"	
	EEL	D, 22° 39' 58.2" - 10.0" R, 22° 39' 59.2" - 13.0"	22° 39' 47.9"	
WEBB	R ↓	D, 22° 39' 56.0" - 08.0" R, 22° 39' 58.0" - 10.8"	22° 39' 47.1"	22° 39' 47.5"
(P. 21)	S. BONE	D, 22° 39' 56.0" - 08.2" R, 22° 39' 56.0" - 08.2"	22° 39' 47.5"	

STA.	OBJECT	ANGLES		
	BASS	D, 47° 33' 53.0" - 15.2" R, 47° 33' 51.0" - 09.6"	47° 33' 40.6"	
✓ WEBB	R)	D, 47° 33' 31.6" - 12.2" R, 47° 33' 50.0" - 08.6"	47° 33' 40.4"	47° 33' 40.1"
	S. BONE	D, 47° 33' 47.4" - 08.6" R, 47° 33' 48.2" - 08.2"	47° 33' 39.4"	
	EEK	D, 41° 33' 44.8" - 12.4" R, 41° 33' 43.2" - 10.0"	41° 33' 32.8"	
✓ WEBB	R)	D, 41° 33' 43.0" - 13.0" R, 41° 33' 42.6" - 08.0"	41° 33' 32.3"	41° 33' 32.5"
	MUCK	D, 41° 33' 42.6" - 11.2" R, 41° 33' 39.6" - 08.2"	41° 33' 32.4"	
(P. 35)	S. BONE	D, 36° 22' 20.0" - 13.6" R, 36° 22' 19.2" - 13.2"	36° 22' 06.2"	
WEBB	R)	D, 36° 22' 22.8" - 14.6" R, 36° 22' 20.2" - 15.0"	36° 22' 06.7"	36° 22' 06.1"
	N. BONE	D, 36° 22' 22.2" - 17.2" R, 36° 22' 21.0" - 15.0"	36° 22' 05.5"	
	N. BONE	D, 67° 54' 55.0" - 14.6" R, 67° 54' 52.2" - 13.6"	67° 54' 39.5"	
WEBB	R)	D, 67° 54' 53.6" - 16.0" R, 67° 54' 54.2" - 16.0"	67° 54' 38.9"	67° 54' 39.0"
	CRAIG	D, 67° 54' 53.8" - 17.0" R, 67° 54' 54.0" - 13.8"	67° 54' 38.5"	
	GABE	D, 51° 46' 35.4" - 15.4" R, 51° 46' 29.2" - 11.0"	51° 46' 19.1"	
AL	R)	D, 51° 46' 35.4" - 16.8" R, 51° 46' 29.4" - 11.6"	51° 46' 18.2"	51° 46' 19.3"
	JOE	D, 51° 46' 38.6" - 17.0" R, 51° 46' 31.4" - 12.0"	51° 46' 20.5"	
	JOE	D, 49° 31' 54.4" - 15.2" R, 49° 31' 48.0" - 06.8"	49° 31' 40.2"	
	R)	D, 49° 31' 54.0" - 12.6" R, 49° 31' 48.6" - 11.0"	49° 31' 39.5"	49° 31' 39.4"
AL (P. 22)	PETE	D, 49° 31' 55.9" - 14.4" R, 49° 31' 46.4" - 11.0"	49° 31' 38.45"	

STA.	OBJECT	ANGLES	AV. LS	MEAN
	JOE	D. 50° 45' 22.8" - 15.2 R. 50° 45' 17.4" - 06.8"	50° 45' 09.1"	
AL	R	D. 50° 45' 24.2" - 12.6" R. 50° 45' 17.4" - 110"	50° 45' 09.0"	50° 45' 08.8" OK.
	EDD	D. 50° 45' 24.2" - 14.4" R. 50° 45' 18.0" - 11.6"	50° 45' 08.4"	

	EDD	D. 55° 44' 45.4" - 13.4" R. 55° 44' 40.6" - 04.8"	55° 44' 33.9"	
AL	R	D. 55° 44' 43.4" - 11.0" R. 55° 44' 39.0" - 05.2"	55° 44' 33.1"	55° 44' 33.2"
	JACK	D. 55° 44' 43.2" - 11.8" R. 55° 44' 38.8" - 05.2"	55° 44' 32.5"	

(p. 36) (p. 37)	JACK	D. 65° 52' 28.2" - 14.2" R. 65° 52' 23.8" - 09.8"	65° 52' 14.0"	
AL	R	D. 65° 52' 28.8" - 12.8" R. 65° 52' 23.2" - 12.4"	65° 52' 13.4"	65° 52' 14.2"
	BEAN	D. 65° 52' 29.6" - 13.0" R. 65° 52' 24.2" - 10.2"	65° 52' 15.3"	

	AL	D. 84° 17' 51.0" - 07.4" R. 84° 17' 50.8" - 10.4"	84° 17' 44"	
JOE	R	D. 84° 17' 53.2" - 11.8" R. 84° 17' 50.6" - 06.8"	84° 17' 45.1"	84° 17' 45."
	GABE	D. 84° 17' 57.4" - 11.0" R. 84° 17' 52.2" - 07.0"	84° 17' 45.8"	

	CLIFF	D. 36° 52' 30.8" - 17.4" R. 36° 52' 28.2" - 13.2"	36° 52' 14.2"	
JOE	R	D. 36° 52' 30.8" - 16.8" R. 36° 52' 28.0" - 11.8"	36° 52' 15.1"	36° 52' 14.9"
	GABE	D. 36° 52' 31.8" - 16.4" R. 36° 52' 26.2" - 11.0"	36° 52' 15.3"	

	BLUM	D. 52° 36' 09.6" - 15.4" R. 52° 36' 05.6" - 14.0"	52° 35' 52.9"	
JOE	R	D. 52° 36' 12.0" - 20.6" R. 52° 36' 09.6" - 14.2"	52° 35' 53.4"	52° 35' 52.5"
	EDD	D. 52° 36' 13.6" - 22.6" R. 52° 36' 08.6" - 17.2"	52° 35' 51.3"	

STA	OBJECT	ANGLES	AV. LS	MEAN
(Pg. 36)	EDD	D. 51°00'01.0-09.4 R. 51°00'01.0-06.4	50°59'53.1"	
JOE	R+	D. 51°00'01.6-11.0 R. 51°00'01.6-05.0	50°59'52.3"	50°59'52.9"
(CONT FRM.) P. 22	PETE	D. 51°00'02.8-10.6 R. 51°00'00.0-05.6	50°59'53.3"	

BLUM	EDD	D. 43°16'32.6"-15.4" R. 43°16'28.0"-12.0"	43°16'16.6"	
	R+	D. 43°16'32.8"-14.2" R. 43°16'30.0"-12.8"	43°16'17.9"	43°16'17.7"
	PETE	D. 43°16'34.0"-15.6" R. 43°16'30.8"-12.0"	43°16'18.6"	

BLUM	PETE	D. 34°30'36.4"-14.0" R. 34°30'34.8"-10.8"	34°30'23.2"	
	R+	D. 34°30'36.0"-13.2" R. 34°30'34.4"-09.2"	34°30'24.0"	34°30'23.7"
	JOE	D. 34°30'35.4"-11.4" R. 34°30'32.2"-08.4"	34°30'23.9"	

(Pg 36)	EDD	D. 77°46'55.4"-10.8" R. 77°46'51.2"-12.0"	77°46'41.9"	
BLUM	R+	D. 77°46'53.8"-14.2" R. 77°46'55.5"-12.8"	77°46'43.8"	77°46'43"
	JOE	D. 77°46'58.2"-15.6" R. 77°46'55.8"-12.0"	77°46'43.2"	

EDD	IKE	D.		
	R+	R.		
	BEAN	D. R. D. R.	NO SEE	

EDD (P. 24)	JACK	D. 62°24'43.0"-14.4" R. 62°24'43.0"-11.2"	62°24'30.2"	
	R+	D. 62°24'44.4"-18.8" R. 62°24'43.6"-13.6"	62°24'30.8"	62°24'30.5"
	PETE	D. 62°24'44.4"-13.6" R. 62°24'43.6"-13.6"	62°24'30.4"	

STA	OBJECT	ANGLES	AV. LS	MEAN
(P. 23)	JACK	D. 61°36'28.0"-18.6" R. 61°36'20.0"-11.2"	61°36'09.1"	
EDD	R+	D. 61°36'28.0"-18.0" R. 61°36'24.0"-14.0"	61°36'10.0"	61°36'09.5"
	AL	D. 61°36'27.0"-18.2" R. 61°36'22.8"-13.0"	61°36'09.3"	
	PETE	D. 41°21'23.6"-14.0" R. 41°21'17.0"-07.2"	41°21'09.7"	
EDD	R+	D. 41°21'20.8"-12.0" R. 41°21'15.0"-05.6"	41°21'09.1"	41°21'09.8"
	JOE	D. 41°21'20.6"-09.8" R. 41°21'14.6"-04.4"	41°21'10.5"	
	AL	D. 42°09'50.8"-13.0" R. 42°09'53.8"-16.0"	42°09'38.8"	
EDD	R+	D. 42°09'44.8"-14.8" R. 42°09'56.0"-15.4"	42°09'40.3"	42°09'39.6" OK
(CONT. P. 46)	JOE	D. 42°09'54.0"-14.6" R. 42°09'54.2"-14.2"	42°09'39.7"	
	JOE	D. 49°37'39.4"-13.0" R. 49°37'38.2"-11.0"	49°37'26.8"	
EDD	R+	D. 49°37'38.2"-14.8" R. 49°37'38.0"-11.4"	49°37'25.0"	49°37'25.8"
	BLUM	D. 49°37'39.6"-13.2" R. 49°37'35.8"-10.8"	49°37'25.7"	
	AL	D. 94°23'12.6"-10.0" R. 94°23'07.6"-5.0"	94°23'02.6"	
PETE	R+	D. 94°23'11.6"-9.2" R. 94°23'08.0"-04.6"	94°23'03.3"	94°23'03.1"
	JOE	D. 94°23'09.6"-06.2" R. 94°23'08.2"-05.0"	94°23'03.3"	
	JOE	D. 41°54'09.6"-13.2" R. 41°53'58.0"-09.2"	41°53'50.1"	
PETE	R+	D. 41°54'04.0"-14.4" R. 41°53'58.8"-10.0"	41°53'49.2"	41°53'49.8"
(P. 25)	BLUM	D. 41°54'04.8"-15.0" R. 41°54'01.2"-11.0"	41°53'50.0"	

STA	OBJECT	ANGLES	AV. LS	MEAN
(P.24)	BLUM	D. 45° 45' 16.6" - 10.0" R. 45° 45' 11.6" - 6.0"	45° 45' 06.1"	
PETE	R	D. 45° 45' 17.2" - 12.4" R. 45° 45' 11.0" - 04.8"	45° 45' 05.5"	45° 45' 05.6"
	EDD	D. 45° 45' 15.0" - 09.0" R. 45° 45' 08.0" - 03.4"	45° 45' 05.3"	
	JOE	D. 87° 39' 10.8" - 13.2" R. 87° 39' 04.2" - 07.2"	87° 38' 56.3"	
PETE	R	D. 87° 39' 10.6" - 14.4" R. 87° 39' 04.2" - 10.0"	87° 38' 55.2"	87° 38' 55.2"
	EDD	D. 87° 39' 10.0" - 15.0" R. 87° 39' 04.4" - 11.0"	87° 38' 54.2"	
	EDD	D. 78° 12' 43.4" - 07.4" R. 78° 12' 40.0" - 03.6"	78° 12' 36.2"	
PETE	R	D. 78° 12' 44.8" - 06.6" R. 78° 12' 40.0" - 01.6"	78° 12' 38.3"	78° 12' 37.2" O.K.
	JACK	D. 78° 12' 42.6" - 06.6" R. 78° 12' 41.4" - 03.0"	78° 12' 37.2"	
(P.37)	JACK	D. 62° 00' 14.8" - 09.4" R. 62° 00' 08.8" - 01.4"	62° 00' 06.4"	
PETE	R	D. 62° 00' 11.0" - 05.0" R. 62° 00' 07.6" - 00.0"	62° 00' 06.8"	62° 00' 07.0"
	BEAN	D. 62° 00' 19.6" - 12.0" R. 62° 00' 14.6" - 06.8"	62° 00' 07.7"	
	IKE	D. 55° 52' 40.2" - 19.2" R. 55° 52' 37.0" - 15.8"	55° 52' 21.1"	
JACK	R	D. 55° 52' 40.0" - 20.2" R. 55° 52' 39.4" - 17.4"	55° 52' 20.9"	55° 52' 20.8"
	JIM	D. 55° 52' 40.4" - 20.4" R. 55° 52' 39.4" - 18.4"	55° 52' 20.5"	
	JIM	D. 67° 16' 36.6" - 11.6" R. 67° 16' 37.2" - 09.6"	67° 16' 26.3"	
JACK	R	D. 67° 16' 37.0" - 13.2" R. 67° 16' 37.4" - 09.0"	67° 16' 26.1"	67° 16' 25.9"
(P.26)	BEAN	D. 67° 16' 39.2" - 12.8" R. 67° 16' 38.4" - 14.0"	67° 16' 25.4"	

STA.	OBJECT	ANGLES	AV. LS	MEAN
(P. 26)	BEAN	D. 44°01'01.2" - 20.0" R. 44°00'58.4" - 18.4"	44°00'40.6"	
JACK	R)	D. 44°01'01.2" - 20.0" R. 44°00'58.6" - 18.6"	44°00'40.6"	44°00'40.6"
	AL	D. 44°01'01.0" - 21.0" R. 44°00'58.8" - 17.6"	44°00'40.6"	
	BEAN	D. 67°17'26.8" - 20.0" R. 67°17'26.6" - 18.4"	67°17'07.5"	
JACK	R)	D. 67°17'28.2" - 20.0" R. 67°17'26.6" - 19.0"	67°17'07.9"	67°17'07.7"
	PETE	D. 67°17'28.0" - 21.0" R. 67°17'27.6" - 19.0"	67°17'07.8"	
(CONT. P. 45)	PETE	D. 39°23'08.0" - 17.2" R. 39°23'07.0" - 14.8"	39°22'52.5"	
JACK	R)	D. 39°23'07.6" - 16.6" R. 39°23'08.6" - 15.0"	39°22'52.0"	39°22'52.4" O.K.
	EDD	D. 39°23'08.2" - 16.0" R. 39°23'08.6" - 15.4"	39°22'52.7"	
	DON	D. 50°37'30.6" - 11.6" R. 50°37'30.0" - 13.0"	50°37'18.0" ^{13.0"}	
IKE	R)	D. 50°37'29.8" - 13.6" R. 50°37'30.4" - 10.0"	50°37'18.3" ^{13.3"}	50°37'17.7" ^{12.7"} (RETURNED 1-29-62)
	GUS	D. 50°37'26.0" - 09.4" R. 50°37'28.4" - 11.4"	50°37'16.8" ^{12.7"}	
	CHUCK	D. 42°29'14.4" - 12.6" R. 42°29'19.4" - 18.4"	42°29'07.4" ^{28' 57.3"}	
IKE	R)	D. 42°29'15.8" - 15.0" R. 42°29'17.0" - 16.0"	42°29'00.9" ^{28' 56.5"}	42°29'00.5" ^{28' 56.6"} (RETURNED 1-29-62)
	GUS	D. 42°29'14.8" - 15.8" R. 42°29'13.2" - 14.0"	42°29'00.9" ^{28' 56.1"}	
	GUS	D. 67°03'44.4" - 12.4" R. 67°03'43.2" - 12.2"	67°03'31.5"	
IKE	R)	D. 67°03'46.6" - 12.2" R. 67°03'44.4" - 11.2"	67°03'31.8"	67°03'31.3"
(P. 27)	JIM	D. 67°03'42.0" - 12.4" R. 67°03'43.0" - 12.6"	67°03'30.5"	

STA.	OBJECT	ANGLES	AV. LS	MEAN
	JIM	D. 91°28'32.4"-23.8" R. 91°28'28.8"-20.2"	91°28'08.6"	
IKE	RJ	D. 91°28'31.0"-23.6" R. 91°28'30.8"-23.0"	91°28'07.6"	91°28'08.1"
	JACK	D. 91°28'30.0"-21.8" R. 91°28'29.0"-21.0"	91°28'08.1"	
	BEAN	D. R.		
IKE	RJ	D. R. NO - SEE		
	EDD	D. R.		
CONT (Pg. 45)	N. BRIDGE	D. 27°23'37.6"-17.2" R. 27°23'34.2"-14.8"	27°23'19.9"	
IKE	RJ	D. 27°23'37.8"-18.0" R. 27°23'37.8"-16.4"	27°23'20.6"	27°23'19.9"
	CHUCK	D. 27°23'32.8"-15.0" R. 27°23'35.6"-15.2"	27°23'19.1"	
	N. BRIDGE	D. 74°25'11.0"-17.0" R. 74°25'12.0"-18.0"	74°24'54.0"	
DON	RJ	D. 74°25'14.8"-18.4" R. 74°25'12.6"-18.0"	74°24'55.5"	74°24'55.0"
	CHUCK	D. 74°25'11.6"-17.4" R. 74°25'13.8"-16.8"	74°24'55.6"	
	S. BRIDGE	D. 37°40'00.0"-16.2" R. 37°39'36.6"-14.0"	37°39'43.2"	
DON	RJ	D. 37°40'00.0"-15.2" R. 37°39'36.6"-14.4"	37°39'43.5"	37°39'43.0"
	CHUCK	D. 37°39'57.0"-15.0" R. 37°39'34.6"-12.0"	37°39'42.3"	
	CHUCK	D. 91°48'49.6"-17.2" R. 91°48'46.8"-15.0"	91°48'32.1"	
DON	RJ	D. 91°48'47.4"-17.0" R. 91°48'48.9"-14.6"	91°48'32.1"	91°48'32.4"
(P. 26)	GUS	D. 91°48'44.4"-13.4" R. 91°48'42.0"-15.0"	91°48'33.0"	

STA.	OBJECT	ANGLES	AV. LS	MEAN
(P. 27)	GUS	D, 68° 59' 23.4" - 18.0" R, 68° 59' 26.4" - 18.6"	68° 59' 06.6"	
DON	R}	D, 68° 59' 27.2" - 20.0" R, 68° 59' 26.2" - 19.4"	68° 59' 07.0"	68° 59' 06.6"
	IKE	D, 68° 59' 23.2" - 17.6" R, 68° 59' 26.2" - 19.2"	68° 59' 06.3"	
	EEL	D, 102° 52' 47.4" - 16.2" R, 102° 52' 42.6" - 13.6"	102° 52' 30.1"	
N. BRIDGE	R}	D, 102° 52' 49.6" - 17.6" R, 102° 52' 44.2" - 12.8"	102° 52' 31.7"	102° 52' 31.1"
	S. BRIDGE	D, 102° 52' 48.2" - 16.0" R, 102° 52' 44.2" - 13.6"	102° 52' 31.5"	
	S. BRIDGE	D, 46° 07' 49.6" - 14.4" R, 46° 07' 45.4" - 11.4"	46° 07' 34.6"	
N. BRIDGE	R}	D, 46° 07' 46.6" - 14.0" R, 46° 07' 46.2" - 10.6"	46° 07' 34.1"	46° 07' 34.7"
	CHUCK	D, 46° 07' 51.2" - 14.4" R, 46° 07' 48.0" - 13.8"	46° 07' 35.5"	
	CHUCK	D, 62° 54' 13.6" - 12.6" R, 62° 54' 17.2" - 15.0"	62° 54' 01.6"	
N. BRIDGE	R}	D, 62° 54' 21.4" - 21.4" R, 62° 54' 18.8" - 17.6"	62° 54' 00.6"	62° 54' 01.0"
	DON	D, 62° 54' 18.6" - 17.0" R, 62° 54' 12.8" - 12.8"	62° 54' 00.8"	
(P. 38)	CHUCK	D, 98° 51' 43.4" - 16.4" R, 98° 51' 40.4" - 15.0"	98° 51' 26.2"	
N. BRIDGE	R}	D, 98° 51' 47.2" - 21.4" R, 98° 51' 44.6" - 17.6"	98° 51' 26.4"	98° 51' 26.1"
	IKE	D, 98° 51' 43.2" - 17.0" R, 98° 51' 40.2" - 15.2"	98° 51' 25.6"	
	MUCH	D, 85° 42' 57.2" - 14.0" R, 85° 42' 53.2" - 14.2"	85° 42' 41.1"	
EEL	R}	D, 85° 42' 58.0" - 17.0" R, 85° 42' 56.2" - 13.6"	85° 42' 41.8"	85° 42' 41.4"
(P. 29)	WEBB	D, 85° 43' 00.8" - 20.6" R, 85° 42' 57.0" - 14.8"	85° 42' 41.2"	

STA.	OBJECT	ANGLES	AV. LS	MEAN
(P.28)	S. BONE	D. 44° 20' 57.2" - 16.0" R. 44° 20' 55.2" - 15.6"	44° 20' 40.4"	
EEL	R. WEBB	D. 44° 21' 00.8" - 20.0" R. 44° 20' 56.0" - 16.8" D. 44° 20' 59.6" - 19.0" R. 44° 20' 55.0" - 13.6"	44° 20' 40.0"	44° 20' 40.6"
	WEBB	D. 85° 54' 38.6" - 18.2" R. 85° 54' 33.6" - 10.2"	85° 54' 21.9"	
EEL	R. WEBB	D. 85° 54' 34.2" - 12.6" R. 85° 54' 27.6" - 07.0"	85° 54' 21.4"	85° 54' 21.3"
	BASS	D. 85° 54' 29.8" - 09.6" R. 85° 54' 25.4" - 04.6"	85° 54' 20.5"	
	S. BONE	D. 130° 15' 10.8" - 12.8" R. 130° 15' 06.0" - 07.0"	130° 14' 58.5"	
EEL	R. WEBB	D. 130° 15' 11.4" - 12.8" R. 130° 15' 05.6" - 08.6"	130° 14' 57.8"	130° 14' 58.4"
	BASS	D. 130° 15' 10.8" - 11.0" R. 130° 15' 05.6" - 07.2"	130° 14' 58.8"	
	BASS	D. 39° 41' 09.4" - 11.0" R. 39° 41' 06.2" - 06.2"	39° 40' 59.2"	
EEL	R. WEBB	D. 39° 41' 07.2" - 07.4" R. 39° 41' 03.0" - 06.2"	39° 40' 58.3"	39° 40' 58.6"
	S. BRIDGE	D. 39° 41' 07.6" - 06.8" R. 39° 41' 04.4" - 08.4"	39° 40' 58.4"	
(CONT. P.45)	S. BRIDGE	D. 27° 04' 40.8" - 18.6" R. 27° 04' 36.8" - 15.0"	27° 04' 22.0"	
EEL	R. WEBB	D. 27° 04' 42.2" - 19.2" R. 27° 04' 37.0" - 13.6"	27° 04' 23.2"	27° 04' 22.8"
	N. BRIDGE	D. 27° 04' 41.6" - 18.2" R. 27° 04' 37.2" - 14.2"	27° 04' 23.2"	
	MUCK	D. 68° 03' 28.4" - 09.2" R. 68° 03' 27.0" - 13.2"	68° 03' 16.5"	
S. BONE	R. WEBB	D. 68° 03' 34.8" - 16.2" R. 68° 03' 30.2" - 14.8"	68° 03' 17.0"	68° 03' 16.6"
(P.30)	N. BONE	D. 68° 03' 34.6" - 18.0" R. 68° 03' 36.6" - 20.4"	68° 03' 16.4"	
(F.B. 150 P.66)				

STA	OBJECT	ANGLES	AV. LS	MEAN
	MUCK	D. $50^{\circ}12'41.2'' - 09.2''$ R. $50^{\circ}12'42.8'' - 13.2''$	$50^{\circ}12'30.8''$	
✓ S. BONE (CONT FRM P. 29)	R)	D. $50^{\circ}12'46.0'' - 16.2''$ R. $50^{\circ}12'46.6'' - 14.8''$	$50^{\circ}12'30.8''$	$50^{\circ}12'30.7''$
	TOM	D. $50^{\circ}12'48.2'' - 18.0''$ R. $50^{\circ}12'47.0'' - 16.0''$	$50^{\circ}12'30.6''$	
	N. BONE	D. $68^{\circ}21'27.0'' - 14.6''$ R. $68^{\circ}21'26.0'' - 11.6''$	$68^{\circ}21'13.4''$	
S. BONE	R)	D. $68^{\circ}21'28.4'' - 17.0''$ R. $68^{\circ}21'26.9'' - 13.0''$	$68^{\circ}21'12.4''$	$68^{\circ}21'12.6''$
	WEBB	D. $68^{\circ}21'27.0'' - 15.2''$ R. $68^{\circ}21'25.6'' - 13.6''$	$68^{\circ}21'11.9''$	
(P. 31)	WEBB	D. $87^{\circ}08'59.2'' - 15.8''$ R. $87^{\circ}08'59.2'' - 15.6''$	$87^{\circ}08'43.0''$	
✓ S. BONE	R)	D. $87^{\circ}08'58.4'' - 14.6''$ R. $87^{\circ}08'59.6'' - 15.0''$	$87^{\circ}08'44.2''$	$87^{\circ}08'43.7''$
	BASS	D. $87^{\circ}08'58.0'' - 13.2''$ R. $87^{\circ}08'56.8'' - 13.6''$	$87^{\circ}08'44.0''$	
(P. 32)	WEBB	D. $112^{\circ}59'52.2'' - 15.8''$ R. $112^{\circ}59'52.2'' - 15.6''$	$112^{\circ}59'36.5''$	
✓ S. BONE	R)	D. $112^{\circ}59'49.6'' - 14.6''$ R. $112^{\circ}59'51.0'' - 15.0''$	$112^{\circ}59'35.5''$	$112^{\circ}59'36.0''$
	EEL	D. $112^{\circ}59'53.9'' - 16.2''$ R. $112^{\circ}59'51.6'' - 16.6''$	$112^{\circ}59'36.1''$	
	S. BONE	D. $65^{\circ}46'58.2'' - 10.8''$ R. $65^{\circ}47'02.0'' - 13.2''$	$65^{\circ}46'48.1''$	
N. BONE	R)	D. $65^{\circ}47'01.2'' - 13.0''$ R. $65^{\circ}47'00.6'' - 14.0''$	$65^{\circ}46'47.4''$	$65^{\circ}46'47.8''$
	MUCK	D. $65^{\circ}46'59.0'' - 11.2''$ R. $65^{\circ}47'01.6'' - 13.6''$	$65^{\circ}46'47.9''$	
	MUCK	D. $83^{\circ}15'58.6'' - 12.0''$ R. $83^{\circ}15'58.6'' - 13.2''$	$83^{\circ}15'46.0''$	
N. BONE (P. 31)	R)	D. $83^{\circ}15'59.0'' - 12.0''$ R. $83^{\circ}15'58.2'' - 12.6''$	$83^{\circ}15'46.3''$	$83^{\circ}15'46.3''$
	TOM	D. $83^{\circ}15'56.2'' - 09.2''$ R. $83^{\circ}15'55.6'' - 09.6''$	$83^{\circ}15'46.5''$	

STA.	OBJECT	ANGLES	AV. LS	MEAN
(R30)	PAT	D. 93° 07' 16.0" - 10.4" R. 93° 07' 16.0" - 08.0"	93° 07' 06.8"	
N. BONE	R	D. 93° 07' 18.0" - 12.6" R. 93° 07' 16.0" - 10.2"	93° 07' 05.6"	93° 07' 06.4"
	WEBB	D. 93° 07' 19.0" - 12.8" R. 93° 07' 17.6" - 10.2"	93° 07' 06.8"	
	CRAIG	D. 65° 47' 34.6" - 09.0" R. 65° 47' 33.0" - 10.8"	65° 47' 23.9"	
N. BONE	R	D. 65° 47' 34.2" - 13.2" R. 65° 47' 35.6" - 11.6"	65° 47' 22.5"	65° 47' 23.6"
	WEBB	D. 65° 47' 35.8" - 13.2" R. 65° 47' 35.0" - 09.0"	65° 47' 24.3"	
	WEBB	D. 75° 17' 01.0" - 13.6" R. 75° 16' 56.6" - 11.0"	75° 16' 46.5"	
N. BONE	R	D. 75° 16' 59.4" - 11.8" R. 75° 16' 58.0" - 10.8"	75° 16' 47.4"	75° 16' 46.6"
	S. BONE	D. 75° 17' 01.2" - 12.6" R. 75° 16' 55.0" - 11.8"	75° 16' 45.9"	
	HECHT	D. 38° 12' 42.6" - 11.6" R. 38° 12' 36.6" - 09.0"	38° 12' 29.3"	
MUCK	R	D. 38° 12' 40.0" - 11.8" R. 38° 12' 36.2" - 05.2"	38° 12' 29.6"	38° 12' 29.4"
(F.B. 150 P.66)	TOM	D. 38° 12' 38.8" - 08.8" R. 38° 12' 36.0" - 07.2"	38° 12' 29.4"	
	TOM	D. 49° 58' 20.2" - 14.2" R. 49° 58' 22.4" - 11.0"	49° 58' ^{10.8"} 08.7"	
MUCK	R	D. 49° 58' 23.2" - 14.6" R. 49° 58' 21.6" - 11.2"	49° 58' ^{09.9"} 09.5"	49° 58' ^{10.3"} 08.9" (RETURNED)
	N. BONE	D. 49° 58' 24.0" - 14.6" R. 49° 58' 21.6" - 13.8"	49° 58' ^{10.1"} 08.6"	(2-15-62)
	N. BONE	D. 46° 10' 06.8" - 14.6" R. 46° 10' 07.6" - 14.8"	46° 09' 52.5"	
MUCK	R	D. 46° 10' 09.0" - 15.6" R. 46° 10' 08.0" - 15.6"	46° 09' 52.9"	46° 09' 52.6"
(P.32)	S. BONE	D. 46° 10' 08.6" - 15.2" R. 46° 10' 07.2" - 16.0"	46° 09' 52.3"	

STA	OBJECT	ANGLES	AV. Ls	MEAN
150-P9.66)	WEBB	D. 52° 43' 58.0" - 13.6" R. 52° 43' 55.8" - 14.0" D. 52° 43' 59.6" - 10.6"	52° 43' 43.1"	
MUCK (P9.38)	R?	R. 52° 43' 55.0" - 12.6" D. 52° 43' 59.6" - 13.0"	52° 43' 43.2"	52° 43' 43.0"
	EEL	R. 52° 43' 55.8" - 12.2"	52° 43' 42.6"	
	LLOYD	D. 78° 09' 08.2" - 13.0" R. 78° 09' 07.0" - 13.2" D. 78° 09' 14.2" - 17.4"	78° 08' 54.5"	
HECHT	R?	R. 78° 09' 10.2" - 16.2" D. 78° 09' 15.2" - 19.6"	78° 08' 55.7"	78° 08' 55.2"
	TOM	R. 78° 09' 13.6" - 18.4"	78° 08' 55.4"	
	TOM	D. 71° 17' 43.0" - 13.6" R. 71° 17' 44.0" - 10.6" D. 71° 17' 43.2" - 11.6"	71° 17' 31.4"	
HECHT	R?	R. 71° 17' 41.0" - 10.6" D. 71° 17' 43.2" - 12.0"	71° 17' 31.0"	71° 17' 30.8"
	MUCK	R. 71° 17' 42.6" - 13.6"	71° 17' 30.1"	
	CRAIG	D. 57° 22' 38.0" - 11.6" R. 57° 22' 37.6" - 15.0" D. 57° 22' 39.6" - 14.0"	57° 22' 24.5"	
HECHT	R?	R. 57° 22' 39.2" - 14.6" D. 57° 22' 39.2" - 14.2"	57° 22' 25.1"	57° 22' 24.6"
	S. BONE	R. 57° 22' 38.8" - 13.2"	57° 22' 24.3"	
(P.38)	CRAIG	D. 76° 21' 49.6" - 12.6" R. 76° 21' 48.0" - 12.2" D. 76° 21' 49.2" - 13.2"	76° 21' 35.9"	
HECHT	R?	R. 76° 21' 49.0" - 14.2" D. 76° 21' 49.6" - 14.0"	76° 21' 35.4"	76° 21' 35.5"
	MUCK	R. 76° 21' 48.0" - 13.0"	76° 21' 35.3"	
(FB150-66) (P9.30)	HECHT	D. 67° 36' 43.0" - 11.6" R. 67° 36' 41.0" - 12.2" D. 67° 36' 42.0" - 11.6"	67° 36' 30.1"	
S. BONE	R?	R. 67° 36' 40.6" - 12.0" D. 67° 36' 42.2" - 12.0"	67° 36' 29.5"	67° 36' 30.1"
	CRAIG	R. 67° 36' 41.6" - 10.0"	67° 36' 30.6"	

STA.	OBJECT	ANGLES	AV. LS	MEAN
LLOYD (P. 47)	TOM	D. 52° 51' 14.8" - 12.6" R. 52° 51' 14.2" - 15.6"	52° 51' 00.4"	
	RY	D. 52° 51' 14.8" - 13.6" R. 52° 51' 16.0" - 15.6"	52° 51' 00.8"	52° 51' 00.9"
	HECHT	D. 52° 51' 15.0" - 13.8" R. 52° 51' 16.8" - 15.2"	52° 51' 01.4"	
	N. BONE	D. 46° 46' 11.2" - 19.6" R. 46° 46' 06.8" - 15.2"	46° 45' 51.6"	
TOM	RY	D. 46° 46' 08.0" - 16.0" R. 46° 46' 06.0" - 15.6"	46° 45' 51.2"	46° 00.7" (RETURNED)
	MUCK	D. 46° 46' 07.6" - 15.6" R. 46° 46' 08.0" - 17.2"	46° 45' 51.4"	46° 45' 51.4" (2-15-62)
TOM	S. BONE	D. 33° 39' 42.0" - 17.2" R. 33° 39' 39.2" - 13.8"	33° 39' 25.1"	
	RY	D. 33° 39' 40.0" - 14.6" R. 33° 39' 40.8" - 17.0"	33° 39' 24.6"	33° 39' 24.5"
	MUCK	D. 33° 39' 39.6" - 15.8" R. 33° 39' 38.2" - 14.6"	33° 39' 23.7"	
TOM	MUCK	D. 70° 30' 07.6" - 09.6" R. 70° 30' 09.2" - 11.2"	70° 29' 58.0"	
	RY	D. 70° 30' 09.6" - 11.6" R. 70° 30' 08.0" - 10.0"	70° 29' 58.0"	70° 29' 57.9
	HECHT	D. 70° 30' 09.2" - 11.6" R. 70° 30' 08.8" - 11.0"	70° 29' 57.7"	
TOM	HECHT	D. 49° 00' 11.6" - 09.6" R. 49° 00' 14.2" - 12.6"	49° 00' 01.8"	
	RY	D. 49° 00' 14.2" - 13.2" R. 49° 00' 13.6" - 12.4"	49° 00' 01.1"	49° 00' 01.4"
	LLOYD	D. 49° 00' 14.6" - 13.0" R. 49° 00' 12.2" - 11.4"	49° 00' 01.2"	
FB 150-P ₉ 68 MIKE (P ₉ . 34)	DICK	D. 43° 17' 52" R. 43° 17' 53"	43° 17' 52.5"	
	RY	D. 43° 17' 50" R. 43° 17' 51"	43° 17' 50.5"	43° 17' 51"
	MORENA	D. 43° 17' 50" R. 43° 17' 52"	43° 17' 51"	

STA.	OBJECT	ANGLES	AV. Ls	MEAN
(FB.150-P9.68)	MORENA	D. 90° 11' 01" R. 90° 10' 59"	90° 11' 00"	
DICK (P9.35)	R & MIKE	D. 90° 10' 59" R. 90° 10' 58" D. 90° 10' 58" R. 90° 11' 02"	90° 10' 58.5" 90° 11' 00"	90° 10' 59.5"
(FB.150-P9.63)	MIKE	D. 46° 31' 08" R. 46° 31' 08"	46° 31' 08"	
MORENA (P9.37)	R & DICK	D. 46° 31' 10" R. 46° 31' 11" D. 46° 31' 09" R. 46° 31' 08"	46° 31' 10.5" 46° 31' 08.5"	46° 31' 09"
(P9.33)	DUSTY	D. 22° 59' 43.2-11.7 R. 22° 59' 36.2-05.6	22° 59' 31"	
MIKE	R & CAUSEWAY	D. 22° 59' 44.6-14.2 R. 22° 59' 37.2-06.4 D. 22° 59' 43.8-13.0 R. 22° 59' 35.4-06.9	22° 59' 30.6" 22° 59' 30.1"	22° 59' 30.6"
(CONT. P. 4)	GABE	D. 42° 35' 20.9-08.9 R. 42° 35' 24.2-13.9	42° 35' 11.1"	
MIKE	R & CAUSEWAY	D. 42° 35' 19.2-07.3 R. 42° 35' 26.8-15.2 D. 42° 35' 18.6-09.4 R. 42° 35' 26.9-12.7	42° 35' 11.7" 42° 35' 11.7"	42° 35' 11.5"
(P9.14)	CAUSEWAY	D. 101° 52' 46" R. 101° 52' 47"	101° 52' 46.5"	
DUSTY (P9.36)	R & MIKE	D. 101° 52' 48" R. 101° 52' 45" D. 101° 52' 48" R. 101° 52' 48"	101° 52' 46.5" 101° 52' 48"	101° 52' 47"
CRAIG (P9.35)	PAT R & DEL	D. 85° 20' 03.2"-15.2" R. 85° 20' 03.2"-13.2" D. 85° 20' 03.2"-16.6" R. 85° 20' 03.2"-13.0" D. 85° 20' 03.6"-14.8" R. 85° 20' 00.8"-12.0"	85° 19' 49.0" 85° 19' 48.4" 85° 19' 48.3"	85° 19' 48.6"

STA.	OBJECT	ANGLES	AV. LS.	MEAN
(P9.34)	WEBB	D. 82° 16' 36.2" - 12.0" R. 82° 16' 34.6" - 09.6"	82° 16' 24.6"	21.2"
CRAIG	R	D. 82° 16' 36.6" - 12.0" R. 82° 16' 35.6" - 09.2"	82° 16' 25.5"	22.0"
	PAT	D. 82° 16' 35.6" - 10.0" R. 82° 16' 35.6" - 10.2"	82° 16' 25.5"	21.6"
(150-64)	MORENA	D. 103° 32' 57"	103° 32' 59"	
CRAIG	R	R. 103° 33' 01" D. 103° 32' 55" R. 103° 33' 00"	103° 32' 57.5"	103° 32' 59"
	WEBB	D. 103° 32' 58" R. 103° 33' 01"	103° 32' 59.5"	
	WEBB	D. 46° 18' 02"	46° 18' 04"	
CRAIG	R	R. 46° 18' 06" D. 46° 18' 03" R. 46° 18' 02"	46° 18' 02.5"	46° 18' 03"
	N. BONE	D. 46° 18' 00" R. 46° 18' 04"	46° 18' 02"	
(P9.21)	S. BONE	D. 75° 11' 24.6" - 12.6" R. 75° 11' 22.6" - 10.6"	75° 11' 12.0"	
WEBB	R	D. 75° 11' 24.0" - 12.6" R. 75° 11' 24.0" - 11.6"	75° 11' 11.9"	75° 11' 11.9"
	PATNA	D. 75° 11' 24.8" - 12.8" R. 75° 11' 23.0" - 11.8"	75° 11' 11.9"	
(P9.37)	N. BONE	D. 38° 49' 20.8" - 11.0" R. 38° 49' 19.0" - 10.8"	38° 49' 09.0"	
WEBB	R	D. 38° 49' 20.6" - 09.0" R. 38° 49' 20.0" - 13.2"	38° 49' 09.2"	38° 49' 08.9"
(P.50)	PATE	D. 38° 49' 22.0" - 13.0" R. 38° 49' 21.0" - 13.2"	38° 49' 08.4"	
(150-P9.68)	MIKE	D. 48° 59' 36"	48° 59' 36.5"	
DICK	R	R. 48° 59' 37" D. 48° 59' 33" R. 48° 59' 35"	48° 59' 34"	48° 59' 36"
(P9.34)	H. DOG	D. 48° 59' 38" R. 48° 59' 32"	48° 59' 35"	

21.6" RETURNED
2-15-62.

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STA	OBJECT	ANGLES	AV. LS	MEAN
PR 15, 48	JOE	D 43° 56' 06.8" - 18.6" R 43° 56' 03.2" - 18.0" D 43° 56' 08.6" - 22.0"	43° 55' 49.2"	
GABE	RZ	R 43° 56' 09.4" - 14.0" D 43° 56' 10.6" - 24.4"	43° 55' 48.5"	43° 55' 49.1"
	AL	R 43° 56' 04.0" - 11.2"	43° 55' 49.5"	
(P9.22)	GABE	D 70° 49' 05.8" - 13.0" R 70° 49' 08.2" - 07.6" D 70° 49' 09.4" - 18.0"	70° 48' 54.2"	
AL	RZ	R 70° 49' 05.0" - 09.2" D 70° 49' 07.0" - 14.6"	70° 48' 55.6"	70° 48' 54.6"
	BLUM	R 70° 49' 06.0" - 11.2"	70° 48' 54.0"	
(P9.23)	AL	D 45° 54' 59" - 15.0" R 45° 54' 53.2" - 06.0"	45° 54' 45.6"	
BLUM (P.46)	RZ	D 45° 54' 59.8" - 12.0" R 45° 54' 52.0" - 08.0" D 45° 55' 01.0" - 15.6"	45° 54' 45.9"	45° 54' 45.6"
	GABE	R 45° 54' 55.6" - 10.2"	45° 54' 45.1"	
(P9.12)	ISLE	D 118° 00' 45.8" - 17.2" R 118° 00' 43.0" - 11.2" D 118° 00' 43.8" - 15.0"	118° 00' 30.2"	
MOOSE	RZ	R 118° 00' 43.0" - 14.0" D 118° 00' 42.6" - 13.2"	118° 00' 28.9"	118° 00' 29.7"
	DUSTY	R 118° 00' 39.6" - 11.2"	118° 00' 29.9"	
(P9.14)	MOOSE	D 16° 28' 55.6" - 13.2" R 16° 28' 51.0" - 12.9" D 16° 28' 57.6" - 16.0"	16° 28' 40.5"	
DUSTY	RZ	R 16° 28' 54.8" - 12.4" D 16° 28' 56.6" - 16.4"	16° 28' 41.7"	16° 28' 40.8"
(P9.34)	ISLE	R 16° 28' 52.6" - 12.6"	16° 28' 40.1"	
(P9.37) (P9.23)	EDD	D 87° 05' 41.2" - 17.0" R 87° 05' 36.6" - 17.4" D 87° 05' 40.6" - 19.2"	87° 05' 21.7"	
JOE	RZ	R 87° 05' 36.4" - 17.2" D 87° 05' 41.0" - 20.0"	87° 05' 20.3"	16.5" ± 0.1 x. 16.1"
	AL	R 87° 05' 37.0" - 18.2"	87° 05' 19.9"	87° 05' 20.6"

STA	OBJECT	ANGLES	AV. CS	MEAN
	BEAN	D 85° 47' 31.2" - 11.4" R 85° 47' 32.2" - 12.8"	85° 47' 19.6"	
AL	R ₁	D 85° 47' 32.0" - 12.6" R 85° 47' 33.2" - 16.8"	85° 47' 17.9"	85° 47' 18.2"
	CLIFF	D 85° 47' 28.2" - 10.2" R 85° 47' 30.8" - 14.4"	85° 47' 17.2"	
³⁶ (P9.22)	CLIFF	D 50° 04' 31.2" - 12.6" R 50° 04' 36.6" - 16.0"	50° 04' 19.6"	
AL	R ₁	D 50° 04' 33.8" - 13.2" R 50° 04' 31.6" - 11.4"	50° 04' 20.4"	50° 04' 19.8"
	GABE	D 50° 04' 27.2" - 08.4" R 50° 04' 26.4" - 06.4"	50° 04' 19.4"	
(P9.35)	PAT	D 41° 25' 42.0" - 16.6" R 41° 25' 42.2" - 15.0"	41° 25' 26.3"	
MORENA	R ₁	D 41° 25' 41.6" - 16.0" R 41° 25' 42.0" - 16.6"	41° 25' 25.5"	41° 25' 26.2"
	DEL	D 41° 25' 42.8" - 16.2" R 41° 25' 42.6" - 15.6"	41° 25' 26.8"	
²¹ (P9.35)	PAT	D 29° 05' 47.2" - 18.0" R 29° 05' 48.0" - 15.2"	29° 05' 31.0"	
WEBB	R ₁	D 29° 05' 48.0" - 17.2" R 29° 05' 48.6" - 17.0"	29° 05' 31.2"	29° 05' 30.9"
	CRAIG	D 29° 05' 47.6" - 18.0" R 29° 05' 48.8" - 17.2"	29° 05' 30.6"	
(P9.36)	BLUM	D 103° 36' 02.2" - 17.6" R 103° 35' 53.6" - 13.0"	103° 35' 42.6"	
JOE (CONT. P. 50)	R ₁	D 103° 36' 00.8" - 17.2" R 103° 35' 52.0" - 11.0"	103° 35' 42.3"	103° 35' 42.5"
	PETE	D 103° 36' 01.6" - 18.0" R 103° 35' 55.4" - 13.6"	103° 35' 42.7"	
(P9.25)	BEAN	D 58° 10' 01.6" - 10.4" R 58° 10' 01.0" - 07.6"	58° 09' 52.3"	
PETE	R ₁	D 58° 10' 01.0" - 08.6" R 58° 10' 00.4" - 05.8"	58° 09' 53.5"	58° 09' 52.6"
	CLIFF	D 58° 09' 54.8" - 04.0" R 58° 09' 55.0" - 02.0"	58° 09' 51.9"	

STA.	OBJECT	ANGLES	AV. LS	MEAN
(Pg. 20)	S. BRIDGE	D 37° 05' 20.0" - 20.2" R 37° 05' 18.2" - 17.8"	37° 05' 00.1"	
BASS	R+	D 37° 05' 17.6" - 18.2" R 37° 05' 17.6" - 16.2"	37° 05' 00.4"	37° 05' 00.3"
	N. BRIDGE	D 37° 05' 19.2" - 19.0" R 37° 05' 18.6" - 18.2"	37° 05' 00.3"	
(Pg. 40)	N. BRIDGE	D 70° 00' 03.0" - 09.6" R 70° 00' 02.6" - 11.0"	69° 59' 52.5"	
BASS	R+	D 70° 00' 04.8" - 11.6" R 70° 00' 02.6" - 10.2"	69° 59' 52.8"	69° 59' 52.3"
	EEL	D 70° 00' 01.2" - 12.0" R 70° 00' 00.0" - 06.2"	69° 59' 51.5"	
(Pg. 28)	BASS	D 59° 38' 01.0" - 16.4" R 59° 37' 55.0" - 06.4"	59° 37' 46.6"	
N. BRIDGE	R+	D 59° 37' 55.2" - 10.4" R 59° 37' 50.8" - 02.8"	59° 37' 46.4"	59° 37' 46.9"
(P. 47)	S. BRIDGE	D 59° 37' 54.6" - 06.8" R 59° 37' 50.0" - 02.2"	59° 37' 47.8"	
(Pg. 32)	HECHT	D 71° 45' 29.6" - 13.0" R 71° 45' 28.6" - 10.0"	71° 45' 17.6"	
MUCK	R+	D 71° 45' 28.2" - 12.0" R 71° 45' 28.6" - 11.0"	71° 45' 16.9"	71° 45' 17.4"
	CRAIG	D 71° 45' 29.0" - 11.6" R 71° 45' 28.6" - 10.8"	71° 45' 17.6"	
(Pg. 32)	CRAIG	D 39° 19' 48.6" - 11.6" R 39° 19' 47.2" - 13.0"	39° 19' 34.6"	
HECHT	R+	D 39° 19' 48.8" - 14.0" R 39° 19' 49.2" - 14.6"	39° 19' 34.7"	39° 19' 34.5"
(CONT. P. 49)	N. BONE	D 39° 19' 49.6" - 14.2" R 39° 19' 49.2" - 16.0"	39° 19' 34.3"	
	MORENA	D 13° 54' 51.6" - 11.8" R 13° 54' 51.6" - 12.2"	13° 54' 39.6"	
CHISL +	R+	D 13° 54' 52.6" - 11.8" R 13° 54' 52.0" - 13.6"	13° 54' 39.6"	13° 54' 39.3"
(CONT. FROM P. 150 P. 60)	MIKE	D 13° 54' 51.0" - 12.6" R 13° 54' 52.6" - 13.4"	13° 54' 38.8"	

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STA.	OBJECT	ANGLES	AV. LS	MEAN
CHISL + (P. 51)	MORENA	D 66° 59' 43.6" - 12.2" R 66° 59' 41.6" - 12.1"	66° 59' 30.4"	
	DUSTY	D 66° 59' 42.2" - 12.6" R 66° 59' 44.6" - 13.6" D 66° 59' 43.2" - 12.6" R 66° 59' 43.6" - 13.4"	66° 59' 30.3" 66° 59' 30.4"	66° 59' 30.4"
CHISL +	DICK	D 19° 02' 48.2" - 15.2" R 19° 02' 47.8" - 15.0"	19° 02' 32.9"	
	MORENA	D 19° 02' 48.6" - 14.8" R 19° 02' 47.6" - 15.0" D 19° 02' 47.8" - 15.0" R 19° 02' 48.0" - 14.6"	19° 02' 33.2" 19° 02' 33.1"	19° 02' 33.1"
MORENA (P.P. 34, 51) (F.R. 150 P.P. 48, 49, 59, 63)	CHISL +	D 35° 58' 35.6" - 12.0" R 35° 58' 31.0" - 16.0"	35° 58' 19.3"	
	DICK	D 35° 58' 37.2" - 17.6" R 35° 58' 32.0" - 10.0" D 35° 58' 37.2" - 16.0" R 35° 58' 35.0" - 14.8"	35° 58' 20.8" 35° 58' 20.7"	35° 58' 20.2" (AVG OF 6 SETS)
MORENA	CHISL +	D 74° 07' 15.0" - 12.0" R 74° 07' 12.0" - 16.0"	74° 06' 59.5"	
	PURDY	D 74° 07' 16.0" - 13.9" R 74° 07' 14.6" - 17.2" D 74° 07' 15.6" - 17.6" R 74° 07' 13.6" - 10.0"	74° 07' 00.0" 74° 07' 00.8"	74° 07' 00.1"
MORENA	MIKE	D 10° 32' 56.2" - 10.6" R 10° 33' 00.0" - 08.8"	10° 32' 48.4"	
	CHISL +	D 10° 33' 00.0" - 14.0" R 10° 33' 00.6" - 11.6" D 10° 32' 59.2" - 09.6" R 10° 32' 59.2" - 11.8"	10° 32' 47.5" 10° 32' 48.5"	10° 32' 48.1"
MORENA	CHISL +	D 89° 43' 03.2" - 15.0" R 89° 43' 00.0" - 14.0"	89° 42' 47.1"	
	LES	D 89° 43' 00.0" - 14.2" R 89° 42' 56.2" - 09.2" D 89° 43' 01.2" - 13.6" R 89° 42' 58.4" - 13.2"	89° 42' 46.4" 89° 42' 46.4"	89° 42' 46.6"

STA.	OBJECT	ANGLES	AVG. Cs	MEAN
(Pg. 38)	MUCK	D 63° 43' 23.2" - 11.6"		
BASS	RP	R 63° 45' 21.4" - 11.4"	63° 45' 10.8"	
	WEBB	D 63° 45' 24.2" - 14.6"		
		R 63° 45' 25.2" - 15.0"	63° 45' 09.9"	63° 45' 10.4"
		D 63° 45' 25.4" - 15.4"		
		R 63° 45' 24.4" - 13.6"	63° 45' 10.4"	
	WEBB	D 49° 47' 32.6" - 08.4"		
MUCK	RP	R 49° 47' 36.2" - 10.0"	49° 47' 26.7"	
(P. 38)	BASS	D 49° 47' 32.8" - 10.4"		
		R 49° 47' 30.2" - 02.8"	49° 47' 25.4"	49° 47' 26.5"
		D 49° 47' 32.8" - 04.2"		
		R 49° 47' 31.0" - 04.8"	49° 47' 27.4"	
	EEL	D 58° 40' 34.0" - 12.2"		
MUCK	RP	R 58° 40' 35.4" - 17.2"	58° 40' 20.0"	
	GLENN	D 58° 40' 31.4" - 12.2"		
		R 58° 40' 32.4" - 11.6"	58° 40' 20.0"	58° 40' 20.2"
		D 58° 40' 30.2" - 09.4"		
		R 58° 40' 33.2" - 12.6"	58° 40' 20.7"	
	GLENN	D 111° 56' 15.8" - 21.4"		
MUCK	RP	R 111° 56' 06.8" - 15.8"	111° 55' 52.7"	
	ORBIT	D 111° 56' 11.6" - 18.0"		
		R 111° 56' 10.6" - 15.8"	111° 55' 54.2"	111° 55' 53.2"
		D 111° 56' 14.0" - 22.0"		
		R 111° 56' 13.6" - 20.4"	111° 55' 52.6"	
	ORBIT	D 27° 01' 31.4" - 10.4"		
MUCK	RP	R 27° 01' 30.0" - 11.8"	27° 01' 19.6"	
	HECHT	D 27° 01' 30.8" - 11.6"		
		R 27° 01' 26.8" - 08.2"	27° 01' 18.9"	27° 01' 19.0"
		D 27° 01' 28.8" - 09.8"		
		R 27° 01' 22.6" - 04.4"	27° 01' 18.6"	
	JACK	D 39° 47'		
BAAN	RP	R 39° 47'	39° 48' 50.3"	
	GUS	D 39° 47'		
		R 39° 47'	39° 48' 49.9"	39° 48' 50.2"
		D 39° 47'		
		R 39° 47'	39° 48' 50.3"	

STA.	OBJECT	ANGLES	AVG. LS	MEAN
GLENN	MUCK	D 83° 46' 52.2" - 21.2 R 83° 46' 51.0" - 23.6	83° 46' 29.2"	83° 46' 28.8"
	RZ	D 83° 46' 53.4" - 23.6 R 83° 46' 51.8" - 24.0	83° 46' 28.8"	
	EEL	D 83° 46' 54.6" - 24.0 R 83° 46' 52.4" - 26.6	83° 46' 28.3"	
GLENN	EEL	D 101° 22' 28.8" - 19.6 R 101° 22' 30.2" - 21.0	101° 22' 09.2"	101° 22' 09.1"
	RZ	D 101° 22' 29.2" - 20.2 R 101° 22' 27.6" - 19.4	101° 22' 08.6"	
	IKE	D 101° 22' 31.0" - 21.4 R 101° 22' 29.0" - 19.4	101° 22' 09.6"	
GLENN	ORBIT	D 42° 23' 13.4" - 16.8 R 42° 23' 20.8" - 19.6	42° 22' 58.9"	42° 22' 58.9"
	RZ	D 42° 23' 15.0" - 16.4 R 42° 23' 15.6" - 17.8	42° 22' 58.2"	
	MUCK	D 42° 23' 17.2" - 17.8 R 42° 23' 14.8" - 15.2	42° 22' 59.5"	
GLENN	CNS. X	D 93° 36' 36.0" - 15.0" R 93° 36' 38.4" - 17.2"	93° 36' 21.1"	93° 36' 20.7"
	RZ	D 93° 36' 38.4" - 18.0" R 93° 36' 36.8" - 16.6"	93° 36' 20.3"	
	MORENA	D 93° 36' 39.0" - 17.0" R 93° 36' 36.8" - 17.4	93° 36' 20.7"	
GLENN	GABE	D 42° 28' 40.4" - 18.4" R 42° 28' 37.8" - 15.6"	42° 28' 22.1"	42° 28' 22.4"
	RZ	D 42° 28' 46.4" - 24.6" R 42° 28' 39.2" - 15.6"	42° 28' 22.7"	
	SHEP	D 42° 28' 48.6" - 24.2" R 42° 28' 39.8" - 19.2"	42° 28' 22.5"	
GLENN (P. 42)	N. BRIDGE	D 58° 05' 52.4" - 12.0" R 58° 05' 53.0" - 10.0"	58° 05' 41.7"	58° 05' 42.6"
	RZ	D 58° 05' 51.6" - 09.4" R 58° 05' 53.0" - 09.0"	58° 05' 43.1"	
	IKE	D 58° 05' 49.2" - 08.0" R 58° 05' 53.0" - 08.0"	58° 05' 43.1"	

STA	OBJECT	ANGLES	AVG. LS	MEAN
GLENN	JACK	D 64° 52' 17.0" - 08.0" R 64° 52' 13.8" - 11.0"	64° 52' 05.9"	64° 52' 05.0"
	RZ	D 64° 52' 27.2" - 22.6" R 64° 52' 24.8" - 20.0"	64° 52' 04.7"	
	EDD	D 64° 52' 31.0" - 23.6" R 64° 52' 27.6" - 25.6"	64° 52' 04.4"	
GLENN	IKE	D 22° 52' 49.0" - 07.6" R 22° 52' 43.2" - 05.2"	22° 52' 39.7"	22° 52' 39.5"
	RZ	D 22° 52' 49.2" - 08.4" R 22° 52' 45.2" - 07.0"	22° 52' 39.5"	
	JACK	D 22° 52' 46.2" - 06.4" R 22° 52' 45.4" - 06.6"	22° 52' 39.3"	
GLENN	EDD	D 44° 43' 56.4" - 09.6" R 44° 43' 52.2" - 02.2"	44° 43' 48.4"	44° 43' 46.5"
	RZ	D 44° 43' 52.6" - 07.8" R 44° 43' 45.6" - 01.2"	44° 43' 44.6"	
	ORBIT	D 44° 43' 51.8" - 06.2" R 44° 43' 53.8" - 06.4"	44° 43' 46.5"	
ORBIT	MUCK	D 25° 41' 17.6" - 09.0" R 25° 41' 15.0" - 09.0"	25° 41' 07.3"	25° 41' 06.8"
	RZ	D 25° 41' 22.6" - 16.0" R 25° 41' 13.0" - 09.0"	25° 41' 06.3"	
	GLENN	D 25° 41' 21.6" - 16.6" R 25° 41' 18.6" - 10.0"	25° 41' 06.8"	
ORBIT	GLENN	D 30° 26' 49.2" - 12.2" R 30° 26' 46.8" - 13.0"	30° 26' 35.4"	30° 26' 35.6"
	RZ	D 30° 26' 48.6" - 13.0" R 30° 26' 48.6" - 11.6"	30° 26' 36.3"	
	EDD	D 30° 26' 47.6" - 13.0" R 30° 26' 47.0" - 11.6"	30° 26' 35.0"	
ORBIT	EDD	D 36° 44' 33.0" - 17.0" R 36° 44' 29.6" - 15.2"	36° 44' 15.2"	36° 44' 14.8"
	RZ	D 36° 44' 32.4" - 17.0" R 36° 44' 30.0" - 16.0"	36° 44' 14.7"	
	BLUM	D 36° 44' 31.0" - 18.0" R 36° 44' 33.2" - 17.2"	36° 44' 14.5"	

(P 43)

STA	OBJECT	ANGLES	AVG. X	MEAN
ORBIT (CONT FRM. P. 42)	BLUM	D 88° 56' 36.0" - 10.0" R 88° 56' 35.0" - 10.2"	88° 56' 25.4"	
	RZ	D 88° 56' 33.0" - 10.0" R 88° 56' 33.2" - 07.0"	88° 56' 24.6"	88° 56' 25.0"
	SHEP	D 88° 56' 30.0" - 15.2" R 88° 56' 34.2" - 08.8"	88° 56' 25.1"	
ORBIT	SHEP	D 99° 09' 01.0" - 09.0" R 99° 08' 57.0" - 05.0"	99° 08' 52.0"	
	RZ	D 99° 08' 58.6" - 08.4" R 99° 08' 56.4" - 01.6"	99° 08' 52.5"	99° 08' 52.4"
	HECHT	D 99° 09' 00.0" - 08.4" R 99° 08' 58.2" - 04.4"	99° 08' 52.7"	
ORBIT	HECHT	D 79° 02' 51.6" - 13.4" R 79° 02' 53.2" - 13.2"	79° 02' 39.1"	
	RZ	D 79° 02' 59.0" - 14.0" R 79° 02' 56.2" - 12.8"	79° 02' 44.2"	79° 02' 41.6"
	MUCK	D R (TWO SETS ONLY)		
ORBIT ↑ (P. 49)	CHISL CROSS	D 118° 42' 16.8" - 06.0" R 118° 42' 17.0" - 07.0"	118° 42' 10.4"	
	RZ	D 118° 42' 14.8" - 02.6" R 118° 42' 11.2" - 01.0"	118° 42' 11.7"	118° 42' 11.1"
	MORENA	D 118° 42' 25.6" - 15.2" R 118° 42' 26.2" - 14.0"	118° 42' 11.3"	
ORBIT	GLENN	D 73° 46' 20.8" - 12.4" R 73° 46' 21.0" - 10.6"	73° 46' 09.4"	
	RZ	D 73° 46' 21.4" - 12.0" R 73° 46' 20.0" - 10.0"	73° 46' 09.7"	73° 46' 09.4"
	JOE	D 73° 46' 20.4" - 12.6" R 73° 46' 20.8" - 10.6"	73° 46' 09.0"	
SHEP (P. 44)	CHISL CROSS	D 125° 42' 51.4" - 09.0" R 125° 42' 53.0" - 07.4"	125° 42' 44.0"	
	RZ	D 125° 42' 53.0" - 11.4" R 125° 42' 55.2" - 08.0"	125° 42' 44.4"	125° 42' 44.0"
	MORENA	D 125° 42' 52.8" - 10.4" R 125° 42' 55.6" - 11.0"	125° 42' 43.5"	(AVG. OF 5 SETS)

STA	OBJECT	ANGLES	AVG \bar{x}	MEAN
SHEP (CONT. FRM) P. 43	HECHT	D 33° 11' 27.0" - 18.0" R 33° 11' 21.4" - 15.0"	33° 11' 07.7"	
	R7	D 33° 11' 25.6" - 16.8" R 33° 11' 21.6" - 14.4"	33° 11' 07.9"	33° 11' 07.9"
	ORBIT	D 33° 11' 28.6" - 19.0" R 33° 11' 22.0" - 15.2"	33° 11' 08.2"	
SHEP	ORBIT	D 40° 12' 46.0" - 12.2" R 40° 12' 50.4" - 14.6"	40° 12' 34.8"	
	R7	D 40° 12' 50.6" - 17.4" R 40° 12' 53.0" - 16.4"	40° 12' 34.9"	40° 12' 34.8"
	BLUM	D 40° 12' 52.6" - 17.4" R 40° 12' 49.2" - 14.8"	40° 12' 34.8"	
SHEP	MIKE	D 49° 43' 29.2" - 14.8" R 49° 43' 25.6" - 09.6"	49° 43' 14.9"	
	R7	D 49° 43' 30.6" - 16.0" R 49° 43' 25.4" - 10.0"	49° 43' 15.0"	49° 43' 15.0"
	LLOYD	D 49° 43' 30.4" - 14.6" R 49° 43' 27.6" - 13.0"	49° 43' 15.2"	
SHEP	LLOYD	D 37° 02' 09.8" - 15.0" R 37° 02' 10.0" - 16.8"	37° 01' 54.0"	
	R7	D 37° 02' 09.4" - 15.2" R 37° 02' 10.0" - 16.4"	37° 01' 53.9"	37° 01' 53.8"
	HECHT	D 37° 02' 12.0" - 18.2" R 37° 02' 09.8" - 16.4"	37° 01' 53.6"	
SHEP	BLUM	D 56° 24' 37.0" - 18.2" R 56° 24' 35.0" - 16.6"	56° 24' 18.6"	
	R7	D 56° 24' 38.4" - 17.4" R 56° 24' 34.0" - 17.2"	56° 24' 18.9"	56° 24' 18.6"
	GABE	D 56° 24' 36.0" - 17.4" R 56° 24' 33.2" - 15.0"	56° 24' 18.4"	
SHEP (CONT.) P. 50	GLENN	D 80° 15' 06.8" - 11.4" R 80° 15' 02.0" - 06.8"	80° 14' 55.3"	
	R7	D 80° 15' 06.8" - 15.0" R 80° 15' 00.4" - 03.4"	80° 14' 54.4"	80° 14' 54.8"
	GABE	D 80° 15' 00.8" - 09.8" R 80° 15' 03.6" - 05.0"	80° 14' 54.8"	

STA	OBJECT	ANGLES	AVG Δ	MEAN
EEL (CONT. FRM.) P. 29.	GLENN	D 37° 33' 24.8" - 17.2" R 37° 33' 14.0" - 10.4"	37° 33' 05.6"	37° 33' 05.0"
	R7	D 37° 33' 21.4" - 17.0" R 37° 33' 17.2" - 12.4"	37° 33' 04.6"	
	MUCK	D 37° 33' 10.6" - 06.4" R 37° 33' 14.8" - 09.2"	37° 33' 04.9"	
	N. BRIDGE	D 84° 04' 45.2" - 18.8" R 84° 04' 40.8" - 14.4"	84° 04' 26.4"	
EEL	R7	D 84° 04' 48.4" - 20.6" R 84° 04' 41.2" - 15.0"	84° 04' 27.0"	84° 04' 27.0"
	GLENN	D 84° 04' 48.4" - 18.6" R 84° 04' 42.6" - 17.0"	84° 04' 27.7"	
	JACK	D 69° 11' 26.2" - 13.0" R 69° 11' 26.4" - 12.6"	69° 11' 13.5"	
IKE (CONT. FRM.) P. 27	R7	D 69° 11' 26.8" - 14.0" R 69° 11' 20.0" - 07.0"	69° 11' 12.9"	69° 11' 13.2"
	GLENN	D 69° 11' 26.0" - 13.4" R 69° 11' 20.6" - 07.0"	69° 11' 13.1"	
	GLENN	D 62° 24' 59.2" - 10.8" R 62° 24' 58.6" - 08.2"	62° 24' 49.4"	
IKE	R7	D 62° 25' 01.6" - 11.8" R 62° 25' 04.4" - 14.6"	62° 24' 49.8"	62° 24' 49.4"
	N. BRIDGE	D 62° 25' 04.4" - 13.6" R 62° 25' 02.6" - 13.6"	62° 24' 48.9"	
	GLENN	D 87° 56' 20.0" - 17.0" R 87° 56' 18.2" - 12.0"	87° 56' 04.6"	
JACK (CONT. FRM.) P. 26	R7	D 87° 56' 19.0" - 14.0" R 87° 56' 22.0" - 16.2"	87° 56' 05.4"	87° 56' 04.9"
	IKE	D 87° 56' 31.8" - 25.8" R 87° 56' 46.6" - 43.0"	87° 56' 04.8"	
	EDD	D 42° 15' 18.2" - 13.8" R 42° 15' 14.8" - 11.4"	42° 15' 03.9"	
JACK	R7	D 42° 15' 19.2" - 15.0" R 42° 15' 14.8" - 10.8"	42° 15' 04.1"	42° 15' 03.9"
	GLENN	D 42° 15' 20.8" - 15.4" R 42° 15' 14.6" - 12.1"	42° 15' 03.7"	

STA	OBJECT	ANGLES	AVG \bar{x}	MEAN
(CONT. FRM) P. 24	GLENN	D 72° 53' 11.0" - 09.2" R 72° 53' 15.8" - 16.0"	72° 53' 00.8"	
EDD	R 7	D 72° 53' 12.2" - 12.6" R 72° 53' 15.6" - 15.8"	72° 52' 59.9"	72° 53' 00.4"
	JACK	D 72° 53' 15.2" - 13.8" R 72° 53' 15.2" - 13.8"	72° 53' 00.6"	
	ORBIT	D 104° 49' 55.2" - 14.2" R 104° 49' 53.6" - 15.4"	104° 49' 39.6"	
EDD	R 7	D 104° 49' 56.2" - 15.2" R 104° 49' 53.8" - 14.8"	104° 49' 40.0"	104° 49' 39.9"
	GLENN	D 104° 49' 57.0" - 16.8" R 104° 49' 52.6" - 12.4"	104° 49' 40.2"	
	BLUM	D 28° 54' 25.2" - 17.4" R 28° 54' 20.2" - 11.9"	28° 54' 08.3"	
EDD	R 7	D 28° 54' 22.4" - 17.0" R 28° 54' 20.0" - 10.4"	28° 54' 07.5"	28° 54' 08.0"
	ORBIT	D 28° 54' 24.4" - 16.6" R 28° 54' 24.2" - 15.4"	28° 54' 08.3"	
	ORBIT	D 114° 21' 41.8" - 15.2" R 114° 21' 37.2" - 10.2"	114° 21' 26.8"	
BLUM (CONT. FRM) P. 36	R 7	D 114° 21' 37.4" - 12.6" R 114° 21' 36.0" - 09.0"	114° 21' 26.9"	114° 21' 26.7"
	EDD	D 114° 21' 41.4" - 14.6" R 114° 21' 36.0" - 09.8"	114° 21' 26.5"	
	SHEP	D 50° 51' 23.6" - 14.8" R 50° 51' 16.8" - 11.8"	50° 51' 06.9"	
BLUM	R 7	D 50° 51' 24.2" - 15.6" R 50° 51' 22.2" - 15.0"	50° 51' 07.9"	50° 51' 07.2"
	ORBIT	D 50° 51' 25.0" - 17.6" R 50° 51' 25.6" - 19.2"	50° 51' 06.9"	
	GABE	D 92° 22' 28.8" - 21.4" R 92° 22' 30.8" - 15.4"	92° 22' 11.4"	
BLUM	R 7	D 92° 22' 27.0" - 18.6" R 92° 22' 26.0" - 15.0"	92° 22' 10.7"	92° 22' 10.4"
	SHEP	D 92° 22' 32.2" - 22.6" R 92° 22' 23.0" - 14.2"	92° 22' 09.2"	

STA	OBJECT	ANGLES	AVG \angle	MEAN
MIKE CONT. FRM.	N10240	D 78° 51' 18.4" - 18.2" R 78° 51' 19.2" - 19.6"	78° 50' 59.9"	
	R2	D 78° 51' 21.4" - 21.0" R 78° 51' 20.4" - 20.6"	78° 51' 00.1"	78° 51' 00.1"
	SHEP	D 78° 51' 21.0" - 20.6" R 78° 51' 19.6" - 19.6"	78° 51' 00.2"	
MIKE	ORBIT	D 22° 21' 40.6" - 13.4" R 22° 21' 39.8" - 13.4"	22° 21' 26.8"	
	R2	D 22° 21' 38.8" - 11.6" R 22° 21' 39.6" - 12.0"	22° 21' 27.4"	22° 21' 27.1"
	SHEP	D 22° 21' 41.0" - 14.4" R 22° 21' 40.0" - 12.4"	22° 21' 27.1"	
LLOYD (CONT. FRM.) P. 33	HECHT	D 138° 51' 32.4" - 12.4" R 138° 51' 31.0" - 11.0"	138° 51' 20.0"	
	R2	D 138° 51' 31.0" - 12.6" R 138° 51' 33.2" - 08.8"	138° 51' 21.4"	138° 51' 20.9"
	N10240	D 138° 51' 30.6" - 12.0" R 138° 51' 33.0" - 09.0"	138° 51' 21.3"	
LLOYD	HECHT	D 54° 00' 54.0" - 09.6" R 54° 00' 54.0" - 08.0"	54° 00' 45.2"	
	R2	D 54° 00' 55.2" - 10.8" R 54° 00' 53.0" - 09.6"	54° 00' 43.9"	54° 00' 44.5"
	SHEP	D 54° 00' 54.0" - 10.2" R 54° 00' 52.6" - 07.4"	54° 00' 44.5"	
N. BRIDGE (P. 38)	IKE	D 59° 29' 40.2" - 11.0" R 59° 29' 34.8" - 10.6"	59° 29' 26.7"	
	R2	D 59° 29' 39.0" - 12.6" R 59° 29' 35.4" - 09.0"	59° 29' 26.4"	59° 29' 26.8"
	GLENN	D 59° 29' 41.4" - 09.8" R 59° 29' 34.4" - 11.6"	59° 29' 27.2"	
N. BRIDGE	GLENN	D 52° 39' 29.2" - 22.0" R 52° 39' 20.2" - 14.6"	52° 39' 06.6"	
	R2	D 52° 39' 22.4" - 17.0" R 52° 39' 20.4" - 12.6"	52° 39' 06.6"	52° 39' 06.6"
	EEL	D 52° 39' 22.4" - 17.0" R 52° 39' 22.0" - 14.2"	52° 39' 06.6"	

STA	OBJECT	ANGLES	AVG Δ	MEAN
GABE	SHEP	D 57° 16' 57.6" - 14.6" R 57° 16' 42.6" - 00.0"	57° 16' 42.8"	
	R7	D 57° 16' 54.4" - 10.4" R 57° 16' 50.6" - 10.2"	57° 16' 42.2"	57° 16' 42.4"
	GLENN	D 57° 16' 55.4" - 12.6" R 57° 16' 50.2" - 08.6"	57° 16' 42.2"	
CONT. FROM PP. 15, 36				
GABE	SHEP	D 31° 13' 47.0" - 22.0" R 31° 13' 43.0" - 17.0"	31° 13' 25.5"	
	R7	D 31° 13' 48.0" - 21.6" R 31° 13' 42.4" - 16.0"	31° 13' 26.4"	31° 13' 25.9"
	BLUM	D 31° 13' 48.0" - 23.0" R 31° 13' 41.4" - 14.6"	31° 13' 25.9"	
DEAK	LLOYD	D 27° 15' 09.0" - 14.6" R 27° 15' 04.4" - 10.4"	27° 14' 54.2"	
	R7	D 27° 15' 08.0" - 16.0" R 27° 15' 03.0" - 08.4"	27° 14' 53.3"	27° 14' 53.5"
	HECHT	D 27° 15' 06.0" - 12.0" R 27° 15' 02.8" - 10.8"	27° 14' 53.0"	
DEAK	HECHT	D 49° 57' 46.0" - 13.4" R 49° 57' 44.0" - 10.2"	49° 57' 33.2"	
	R7	D 49° 57' 46.8" - 12.4" R 49° 57' 43.6" - 10.0"	49° 57' 34.0"	49° 57' 33.3"
	SHEP	D 49° 57' 47.4" - 14.2" R 49° 57' 44.4" - 12.0"	49° 57' 32.8"	
DEAK	SHEP	D 69° 23' 14.0" - 17.8" R 69° 23' 11.0" - 20.4"	69° 22' 53.4"	
	R7	D 69° 23' 12.6" - 17.6" R 69° 23' 11.4" - 19.0"	69° 22' 54.2"	69° 22' 54.4"
	MIKE	D 69° 23' 13.6" - 18.6" R 69° 23' 14.0" - 12.0"	69° 22' 55.5"	
DEAK	ORBIT	D 31° 09' 26.4" - 19.2" R 31° 09' 23.8" - 16.6"	31° 09' 07.2"	
	R7	D 31° 09' 26.6" - 19.6" R 31° 09' 27.0" - 20.4"	31° 09' 06.5"	31° 09' 07.3"
	SHEP	D 31° 09' 26.8" - 18.0" R 31° 09' 26.0" - 18.2"	31° 09' 08.3"	

STA.	OBJECT	ANGLES	AVG X	MEAN
HECHT (CONT. FRM P. 38)	SHEP	D 73° 03' 46.4" - 11.4 R 73° 03' 46.0" - 07.6	73° 03' 36.7"	73° 03' 37.3"
	RZ	D 73° 03' 46.0" - 08.2 R 73° 03' 46.6" - 09.2	73° 03' 37.6"	
	DEAK	D 73° 03' 48.6" - 11.0 R 73° 03' 49.8" - 12.4	73° 03' 37.5"	
	DEAK	D 13° 53' 51.9" - 04.4 R 13° 53' 47.6" - 01.2	13° 53' 46.2"	
HECHT	RZ	D 13° 53' 52.2" - 06.2 R 13° 53' 46.2" - 00.9	13° 53' 45.7"	13° 53' 45.7"
	LLOYD	D 13° 53' 51.0" - 05.6 R 13° 53' 45.9" - 00.0	13° 53' 45.3"	
HECHT	ORBIT	D 47° 40' 06.8" - 08.2 R 47° 40' 11.0" - 11.2	47° 39' 59.6"	47° 39' 59.7"
	RZ	D 47° 40' 13.2" - 13.0 R 47° 40' 13.0" - 12.8	47° 40' 00.2"	
	SHEP	D 47° 40' 14.2" - 14.2 R 47° 40' 10.0" - 11.2	47° 39' 59.9"	
	MUCK	D 73° 56' 16.9" - 16.2" R 73° 56' 15.4" - 14.0"	73° 56' 00.8"	
HECHT	RZ	D 73° 56' 17.6" - 17.0 R 73° 56' 18.6" - 16.8	73° 56' 01.2"	73° 56' 01.0"
	ORBIT	D 73° 56' 19.0" - 18.2 R 73° 56' 18.2" - 17.0	73° 56' 01.0"	
ORBIT (P. 42)	SHEP	D 37° 42' 27.2" - 16.0 R 37° 42' 26.6" - 15.0	37° 42' 11.4"	37° 42' 11.0"
	RZ	D 37° 42' 27.4" - 16.0 R 37° 42' 24.0" - 14.0	37° 42' 10.7"	
	MIKE	D 37° 42' 29.6" - 18.4 R 37° 42' 27.9" - 16.8	37° 42' 10.9"	
	SHEP	D 60° 41' 10.4" - 18.4 R 60° 41' 06.0" - 14.6	60° 40' 51.7"	
ORBIT	RZ	D 60° 41' 08.4" - 16.0 R 60° 41' 05.4" - 14.0	60° 40' 51.9"	60° 40' 51.8"
	DEAK	D 60° 41' 07.8" - 16.0 R 60° 41' 03.2" - 11.6	60° 40' 51.7"	

STA.	OBJECT	ANGLES	AVG. Δ	MEAN
SHEP (CONT. FRM.) P. 44	MIKE	D 119°56'39.0"-15.0 R 119°56'29.0"-11.4	119°56'18.3"	119°56'18.0"
	RZ	D 119°56'30.0"-13.4 R 119°56'30.8"-12.2	119°56'17.6"	
	ORBIT	D 119°56'36.6"-16.6 R 119°56'29.0"-13.0	119°56'18.0"	
SHEP	DEAK	D 88°10'14.6"-12.6 R 88°10'18.4"-12.2	88°10'01.1"	88°10'00.7"
	RZ	D 88°10'10.8"-10.8 R 88°10'18.8"-16.6	88°10'00.7"	
	ORBIT	D 88°10'21.6"-21.2 R 88°10'17.0"-17.0	88°10'00.2"	
SHEP	MIKE	D 31°46'18.0"-08.8 R 31°46'16.2"-08.9	31°46'08.5"	31°46'09.2"
	RZ	D 31°46'18.9"-08.6 R 31°46'16.9"-07.0	31°46'09.6"	
	DEAK	D 31°46'16.4"-06.0 R 31°46'16.9"-08.0	31°46'09.4"	
SHEP	DEAK	D 54°59'11.2"-18.6 R 54°59'07.6"-13.2	54°58'53.5"	54°58'53.3"
	RZ	D 54°59'09.4"-17.0 R 54°59'09.2"-15.6	54°58'53.0"	
	HECHT	D 54°59'11.8"-19.0 R 54°59'10.0"-16.0	54°58'53.4"	
JOE (CONT. FRM.) P. 37	ORBIT	D 59°43'44.4"-12.6 R 59°43'43.2"-18.8	59°43'32.1"	59°43'32.4" (TWO SETS ONLY)
	RZ	D 59°43'47.0"-13.6 R 59°43'44.8"-12.8	59°43'32.7"	
	GLENN			
WEBB (CONT. FRM.) P. 35	MUCK	D 56°17'42.0"-11.0 R 56°17'41.2"-11.0	56°17'30.6"	56°17'30.4"
	RZ	D 56°17'41.4"-11.8 R 56°17'42.6"-10.6	56°17'30.8"	
	PAT	D 56°17'43.2"-14.2 R 56°17'43.0"-12.2	56°17'29.9"	

STA	OBJECT	ANGLES	AVG. \bar{x}	MEAN
	GLENN	D 50°52' 27.6" - 10.6 R 50°52' 20.0" - 05.6	50°52' 13.2"	
MORENA	RZ	D 50°52' 21.8" - 09.2 R 50°52' 21.6" - 10.2	50°52' 12.0"	50°52' 12.8"
(CONT. F.B. 150, 74849 ALSO 59, 63 P. 38, 39	CHS. X	D 50°52' 23.6" - 10.4 R 50°52' 22.6" - 09.6	50°52' 13.2"	
	ORBIT	D 31°17' 49.0" - 17.6 R 31°17' 42.0" - 11.0	31°17' 28.7"	
MORENA	RZ	D 31°17' 49.8" - 18.8 R 31°17' 45.2" - 17.4	31°17' 29.4"	31°17' 28.6"
	CHS. X	D 31°17' 43.2" - 18.0 R 31°17' 47.2" - 17.2	31°17' 27.6"	
	SHEP	D 24°00' 44.6" - 09.2 R 24°00' 41.0" - 05.2	24°00' 35.6"	
MORENA	RZ	D 24°00' 43.2" - 06.0 R 24°00' 48.0" - 12.0	24°00' 36.6"	24°00' 36.0"
	CHS. X	D 24°00' 52.8" - 15.6 R 24°00' 50.6" - 15.6	24°00' 35.9"	
	MORENA	D 35°31' 41.6" - 15.0 R 35°31' 38.4" - 12.8	35°31' 26.1"	
CHS. X	RZ	D 35°31' 48.6" - 12.8 R 35°31' 39.2" - 12.2	35°31' 28.9"	35°31' 27.4"
P. 38, 39	GLENN	D 35°31' 41.2" - 14.0 R 35°31' 39.0" - 11.8	35°31' 27.2"	
	MORENA	D 30°00' 33.8" - 13.2 R 30°00' 33.0" - 12.4	30°00' 20.6"	
CHS. X	RZ	D 30°00' 31.6" - 12.6 R 30°00' 30.0" - 09.0	30°00' 20.0"	30°00' 20.0"
	ORBIT	D 30°00' 33.2" - 13.6 R 30°00' 32.0" - 13.0	30°00' 19.3"	
	MORENA	D 30°16' 50.2" - 09.0 R 30°16' 51.4" - 09.6	30°16' 41.5"	
CHS. X	RZ	D 30°16' 53.0" - 08.6 R 30°16' 49.0" - 08.0	30°16' 42.7"	30°16' 42.1"
	SHEP	D 30°16' 43.8" - 09.2 R 30°16' 51.0" - 07.6	30°16' 42.0"	

RE-LOCATION OF MON CLYDE

STA	OBJECT	ANGLES	HORIZON.	MEAN Δ
DUSTY	RED	1. 48° 03' 20"		
	R ₁	2. 96° 06' 30"		
	MIKE	6. 288° 19' 12"	0° 00' 12"	48° 03' 10"
		AV. 48° 03' 12"		
DUSTY	CLYDE	1. 19° 49' 10"		
	R ₁	2. 39° 38' 30"	359° 59' 45"	19° 49' 18.5"
	RED	6. 118° 55' 36"		
		AV. 19° 49' 16"		
MIKE	DUSTY	1. 33° 13' 30"		
	R ₁	2. 66° 27' 20"	0° 00' 06"	33° 13' 36"
	CLYDE	6. 199° 21' 42"		
		AV. 33° 13' 37"		
MIKE	CLYDE	1. 24° 54' 30"		
	R ₁	2. 49° 49' 10"	359° 59' 48"	24° 54' 39"
	RED	6. 149° 27' 42"		
		AV. 24° 54' 37"		
CLYDE	RED	1. 53° 28' 50"		
	R ₁	2. 106° 57' 30"	0° 00' 12"	53° 28' 38"
	MIKE	6. 320° 52' 00"		
		AV. 53° 28' 40"		
CLYDE	MIKE	1. 78° 53' 50"		
	R ₁	2. 157° 47' 50"	0° 00' 12"	78° 53' 52"
	DUSTY	6. 473° 23' 24"		
		AV. 78° 53' 54"		

STA.	OBJECT	ANGLES	HORIZON	MEAN Δ
RED	MIKE	1. $101^{\circ} 36' 45''$		
	R↓	2. $203^{\circ} 13' 30''$	$0^{\circ} 00' 12''$	$101^{\circ} 36' 40''$
	CLYDE	6. $609^{\circ} 40' 12''$		
		Av. $101^{\circ} 36' 42''$		
RED	DUSTY	1. $27^{\circ} 48' 20''$		
	R↓	2. $55^{\circ} 36' 45''$	$0^{\circ} 00' 18''$	$27^{\circ} 48' 15''$
	CLYDE	6. $166^{\circ} 49' 48''$		
		Av. $27^{\circ} 48' 18''$		
DEAK	LLOYD	1. $77^{\circ} 12' 30''$		
	R↓	2. $154^{\circ} 24' 30''$	$0^{\circ} 00' 00''$	$77^{\circ} 12' 20''$
	SHEP	6. $463^{\circ} 14' 00''$		
		Av. $77^{\circ} 12' 20''$		
DEAK	HECHT	1. $49^{\circ} 57' 50''$		
	R↓	2. $99^{\circ} 55' 45''$	$0^{\circ} 00' 06''$	$49^{\circ} 57' 27''$
	SHEP	6. $299^{\circ} 44' 48''$		
		Av. $49^{\circ} 57' 28''$		
DEAK	SHEP	1. $69^{\circ} 22' 55''$		
	R↓	2. $138^{\circ} 45' 40''$	$0^{\circ} 00' 18''$	$69^{\circ} 22' 51''$
	MIKE	6. $416^{\circ} 17' 24''$		
		Av. $69^{\circ} 22' 54''$		
MIKE	SHEP	1. $100^{\circ} 03' 30''$		
	R↓	2. $200^{\circ} 07' 10''$	$0^{\circ} 00' 18''$	$100^{\circ} 03' 29''$
	RED	6. $600^{\circ} 21' 12''$		
		Av. $100^{\circ} 03' 32''$		

38"
37"
27"
27"
23"

STA.	OBJECT	ANGLES	HORIZON	MEAN ADJA
	DEAK	1. 78° 51' 10"		
MIKE	R	2. 157° 41' 45"		
	SHEP	6. 473° 04' 36"	359° 59' 42"	78° 50' 49"
		AV. 78° 50' 46"		
	MIKE	1. 31° 46' 20"		
SHEP	R	2. 63° 32' 25"	359° 59' 42"	31° 46' 17"
	DEAK	6. 190° 37' 24"		
		AV. 31° 46' 14"		
	DEAK	1.		
SHEP	R	2. 35° 54' 40"		
	LLOYD	6. 107° 42' 18"	0° 00' 00"	17° 57' 03"
		AV. 17° 57' 03"		
	DEAK	1. 54° 59' 10"		
SHEP	R	2. 109° 58' 20"	0° 00' 00"	54° 58' 58"
	HECHT	6. 329° 53' 48"		
		AV. 54° 58' 58"		
	SHEP	1. 75° 03' 30"		
HECHT	R	2. 150° 06' 50"	0° 00' 06"	75° 03' 21"
	DEAK	6. 450° 20' 12"		
		AV. 75° 03' 22"		
	SHEP	1. 88° 57' 00"		
HECHT	R	2. 177° 54' 30"	0° 00' 18"	88° 57' 13"
	LLOYD	6. 533° 43' 36"		
		AV. 88° 57' 16"		

STA.	OBJECT	ANGLES	HORIZON	MEAN ADJ. X
	HECHT	1 54° 00' 10"		
LLOYD	R7	2 108° 00' 45"	0° 00' 00"	54° 00' 46"
	SHEP	6 324° 04' 30"		
	AV.	54° 00' 46"		
	SHEP	1 84° 50' 40"		
LLOYD	R7	2 169° 41' 00"	359° 59' 54"	84° 50' 25"
	DEAK	6 509° 02' 24"		
	AV	84° 50' 24"		
	DEL	1 56° 02' 20"		
CRAIG	R7	2 112° 04' 10"	0° 00' 18"	56° 01' 57"
	WALT	6 336° 12' 00"		
	AV	56° 02' 00"		
	CRAIG	1 52° 58' 40"		
WALT	R7	2 105° 57' 30"	0° 00' 24"	52° 58' 43"
	DEL	6 317° 52' 42"		
	AV	52° 58' 47"		
	WALT	1 70° 59' 30"		
DEL	R7	2 149° 59' 00"	0° 00' 18"	70° 59' 20"
	CRAIG	6 425° 56' 18"		
	AV	70° 59' 23"		

380 50%

8-03-62

BENCH LEVELS - BIG ISLAND

STA.	+	H.I.	-	ELEV.
B.M.				16.45~
	5.735	22.185		
T.P.			5.157	17.028
	6.189	23.217		
MON. EEL			6.950	16.267
	5.646	21.913		
T.P.			6.05	15.863
	4.10	19.963		
T.P.			4.613	15.350
	4.112	19.462		
MON. MUCK			6.475	12.987
	6.379	19.366		
T.P.			2.714	16.652
	4.307	20.959		
T.P.			4.804	16.155
	3.696	19.851		
MON. HECHT			6.333	13.518
	6.134	19.652		
T.P.			5.772	13.880
	5.54	19.420		
MON. LLOYD			6.285	13.135
	4.467	17.602		
T.P.			2.850	14.752

NOTE: TOM'S ORIGINAL BENCH WAS +.28⁽⁵⁶⁾
 FROM PRECISE LEVELS. SUBTRACT 2.88
 PLUS .28 = 3.16 FOR M.S.L. (PRECISE)

ADJ

8-03-62

HATCH

6/28/63

ELEV.

MON. N. BRIDGE

NOTE: FOR ORIG. Levels

= See FB 150

M.S.L.

32

16.270

13.13

12.994

9.86

13.530 10.49

FD. MON. BROKEN. USED
 UPPER 2/3 FOR B.M. DO NOT USE
 FOR COORDINATES.

13.15

10.04

B.M. = J.W. BRASS PLUG (D-18) HWY. 101
 BRIDGE OVER SAN DIEGO RIVER CHANNEL
 25.936 = M.S.L.

8-03-62

BENCH LEVELS - BIG ISLE. CONT.

STA.	+	H.I.	-	ELEV
	5.419	20.171		
T.P.			4.245	15.926
	4.330	20.256		
MON. TOM			6.420	13.836
	10.673	24.509		
T.P.			3.970	20.539
	2.122	22.661		
MON. PAT			8.132	14.529
	5.910	20.439		
T.P.			4.566	15.873
	4.344	20.217		
T.P.			6.040	14.177
	3.730	17.907		
T.P.			5.140	12.767
	4.840	17.607		
T.P.			4.462	13.145
	3.024	16.169		
MON. DEL			4.927	11.242
	6.632	17.874		
T.P.			4.280	13.594
	6.724	20.318		
T.P.			3.202	17.116
	4.415	21.531		

ELEVATIONS ON PUNCH MARKS (57)
NOT HIGH POINT.ADJ 6/28/63
M.S.L.

ELEV.

13.855 10.74

14.552 11.45

11.273 8.14

8-06-62

(58)

BENCH LEVELS - BIG ISLE. CONT.

ADJ
ELEV.7/1/63
M.S.L.

STA.	+	H.I	-	ELEV.		
T.P.			6.098	15.433		
	4.060	19.493				
T.P.			4.807	14.686		
	4.428	19.114				
MON. FRAN			7.670	11.444	11.483	8.23
	6.437	17.881				
T.P.			3.778	14.103		
	3.602	17.705				
T.P.			5.791	11.914		
	4.660	16.574				
MON. DICK			3.475	13.099	13.144	13.144 10.02
	3.665	16.764				
T.P.			5.125	11.639		
	5.159	16.798				
T.P.			3.790	13.008		
	4.292	17.300				
T.P.			4.400	12.900		
	4.883	17.783				
T.P.			5.062	12.721		
	4.845	17.566				
T.P.			4.233	13.333		
	5.271	18.604				
T.P.			5.170	13.434		
	6.011	19.445				

8-07-62

59

BENCH LEVELS - BIG ISLE. CONT.

7/1/63
ADJ M.S.L.
ELEV.

STA.	+	H.I.	-	ELEV.			
T.P.			5.527	13.918			
	3.942	17.860					
MON. MIKE			4.074	13.786	13.854	13805	10.69
	4.945	18.731					
T.P.			4.958	13.773			
	5.872	19.645					
T.P.			5.054	14.591			
	6.350	20.941					
T.P.			6.360	14.581			
	5.071	19.652					
T.P.			4.838	14.814			
	5.110	19.924					
T.P.			4.497	15.427			
	4.652	20.079					
T.P.			4.529	15.551			
	4.508	20.059					
MON. DUSTY			6.681	13.378		13.415	10.31
	6.393	19.771					
T.P.			5.050	14.691			
	4.713	19.404					
MON. GABE			3.277	16.127	16.117	16.170	13.07
	5.320	21.447					
T.P.			7.264	14.183			
	5.450	19.633					

8-07-62

BENCH LEVELS - BIG ISLE. CONT.

STA.	+	H.I.	-	ELEV.
B.M.			3.071	16.562
	4.073	20.635		
B.M.			4.033	16.602
	5.211	21.813		
T.P.			4.261	17.552
	4.375	21.927		
B.M.			5.610	16.317
	5.040	21.357		
T.P.			5.333	16.024
	3.919	19.943		
T.P.			4.85	15.758
	5.422	21.180		
T.P.			5.424	15.786
	4.723	20.473		
B.M.			5.845	14.634
	5.273	19.907		
T.P.			5.051	14.856
	5.980	20.836		
B.M.			4.420	16.416
	5.371	21.787		
T.P.			4.810	16.977
	4.774	21.751		
T.P.			4.772	16.979
	4.820	21.799		

 7/2/63
 M.S.L.
 ELEV.

16.575 13.48 MONAL

16.620 13.55 MON PETE

16.342 13.26 MON JOE

14.674 11.58 MON BLUM

16.465 13.36 MON EDD

8-07-62

(61)

BENCH LEVELS - BIG ISLE. CONT.				ADJ	6/28/63	
STA.	+	H.I	-	ELEV.	ELEV.	M.S.L.
B.M.			4.220	17.579	17.653	14.53 MON. JACK
	4.175	21.754				
B.M.			4.045	17.739	17.818	14.62 MON. IKE
	5.015	22.754				
T.P.			5.225	17.529		
	5.135	22.664				
T.P.			6.789	15.875		
	6.437	22.312				
B.M.			6.156	16.156	16.245	13.10 MON. DON
	5.775	21.931				
B.M.			5.575	16.356	16.45	13.30 MON. N. BRIDGE (0.094 LOW)
						13.276 CLOSURE (0.024 LOW)

CLOSURE

13.30 MON. N. BRIDGE (0.094 LOW)

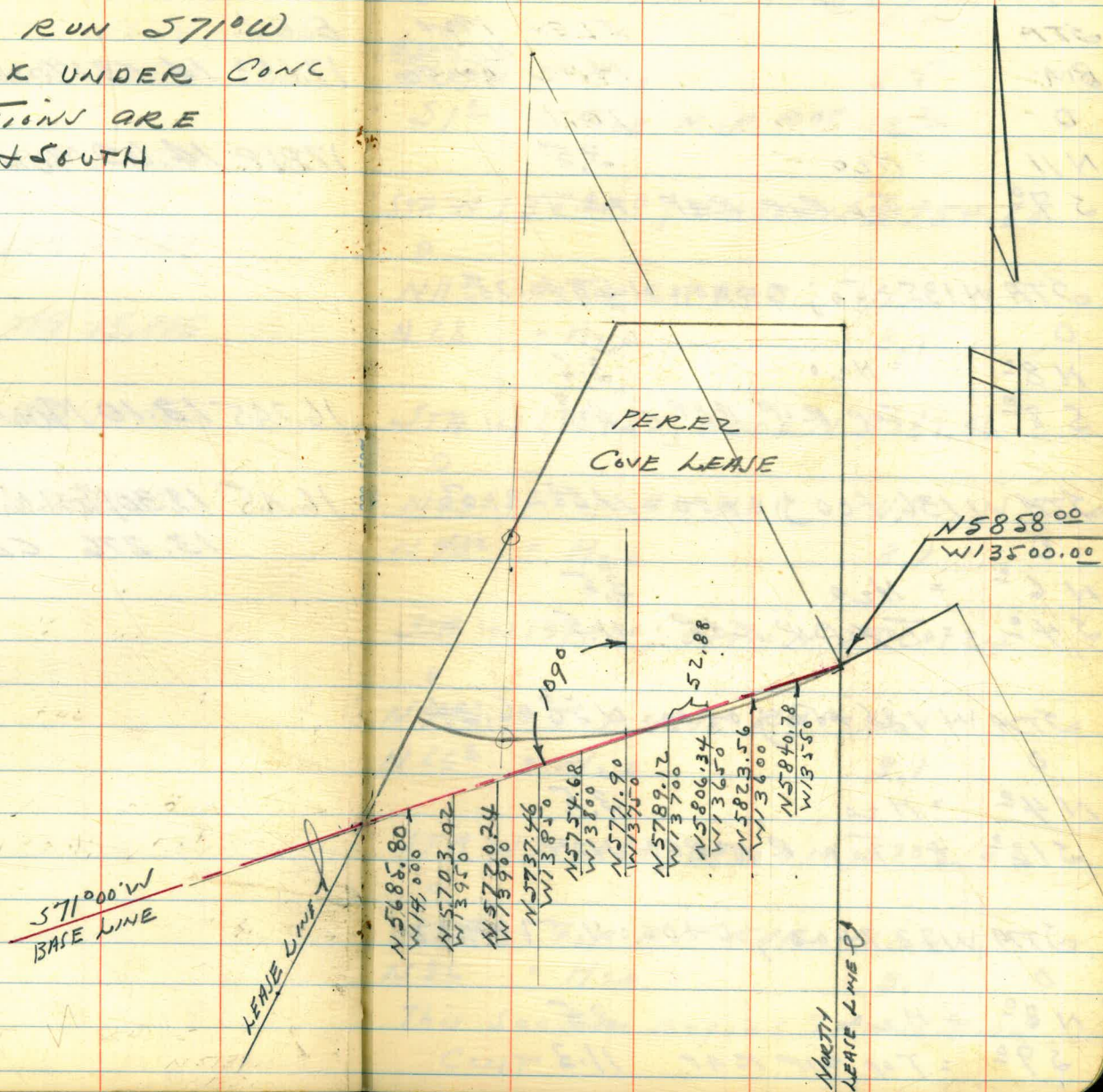
13.276 CLOSURE (0.024 LOW)

SEE FB MB 150, pg 42, 43.

RE X-SECTION + RE SOUND RIP
RAP AREA PEREZ COVE LEASE
AREA AUG 17, 62 -

(62)

NOTE! BASE LINE RUN $571^{\circ}W$
IN ORDER TO WORK UNDER CONC
PLATFORM - SECTIONS ARE
TAKEN NORTH + SOUTH
See PAGE 61



X-SECTION OF RIP RAP AREA
PEREZ COVE AREA - 8-17-62

STA W 135+00; 0+00 = N 5858.00

STA	ELEV	M&M
BM	14.42	N 5802.10 W 13500
0	10.1	
N 11	= H ₂ O	3.5
S 7°	= Top RIP RAP	12.7

STA W 135+50; 0+00 = N 5840.78

0		
N 8°	= H ₂ O	3.5
S 8°	= Top RIP RAP	11.8

STA W 136+00; 0+00 = N 5823.26

0		
N 6°	= H ₂ O	3.5
S 4°	= Top RIP RAP	11.5

STA W 136+50; 0+00 = N 5806.34

0		
N 4°	= H ₂ O	3.5
S 12°	= Top RIP RAP	11.4

STA W 137+00; 0+00 = N 5789.12

0		
N 8°	= H ₂ O	3.5
S 9°	= Top RIP RAP	11.3

8-17-62

(63)

STA W 137+50; 0+00 = N 5771.90

0		
N 14°	= H ₂ O	3.5
S 1°	= Top RIP RAP	12.2

STA W 138+00; 0+00 = N 5754.68

0		
N 11°	= Top RIP RAP	11.9
N 28	= H ₂ O	3.1

STA W 138+50; 0+00 = N 5737.46

0		
N 29°	= Top RIP RAP	11.7
N 43°	= H ₂ O	3.1

STA W 139+00; 0+00 = N 5720.24

0		
N 49°	= Top RIP RAP	12.1
N 66°	= H ₂ O	3.1

STA W 139+50; 0+00 = N 5703.02

0		
N 72°	= Top RIP RAP	12.2
N 86	= H ₂ O	3.1

This Section Begins Transition

CONT

X-SECT RIP RAP Perez Cove

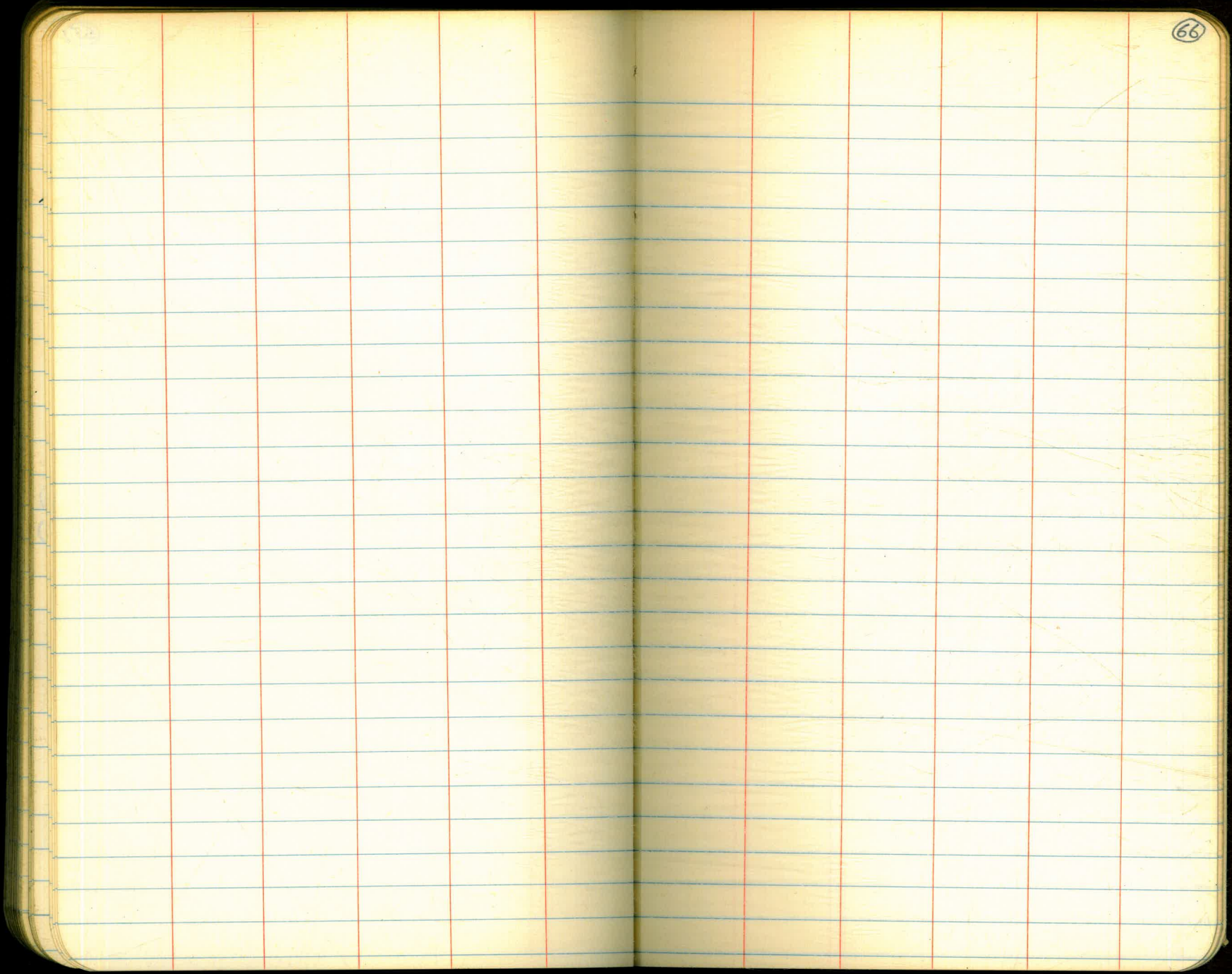
64

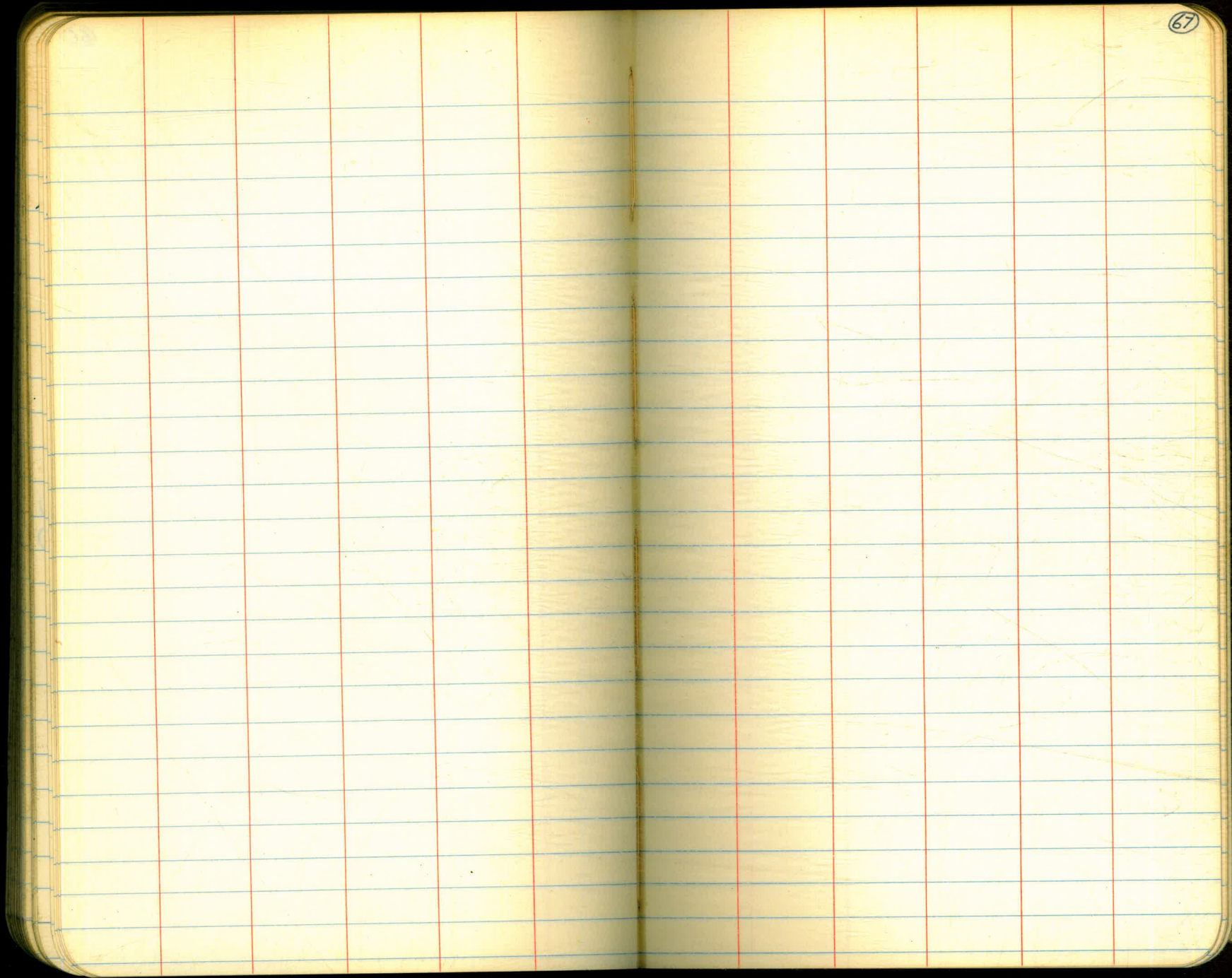
STA W 139+87; 0+00 = W 5689.95

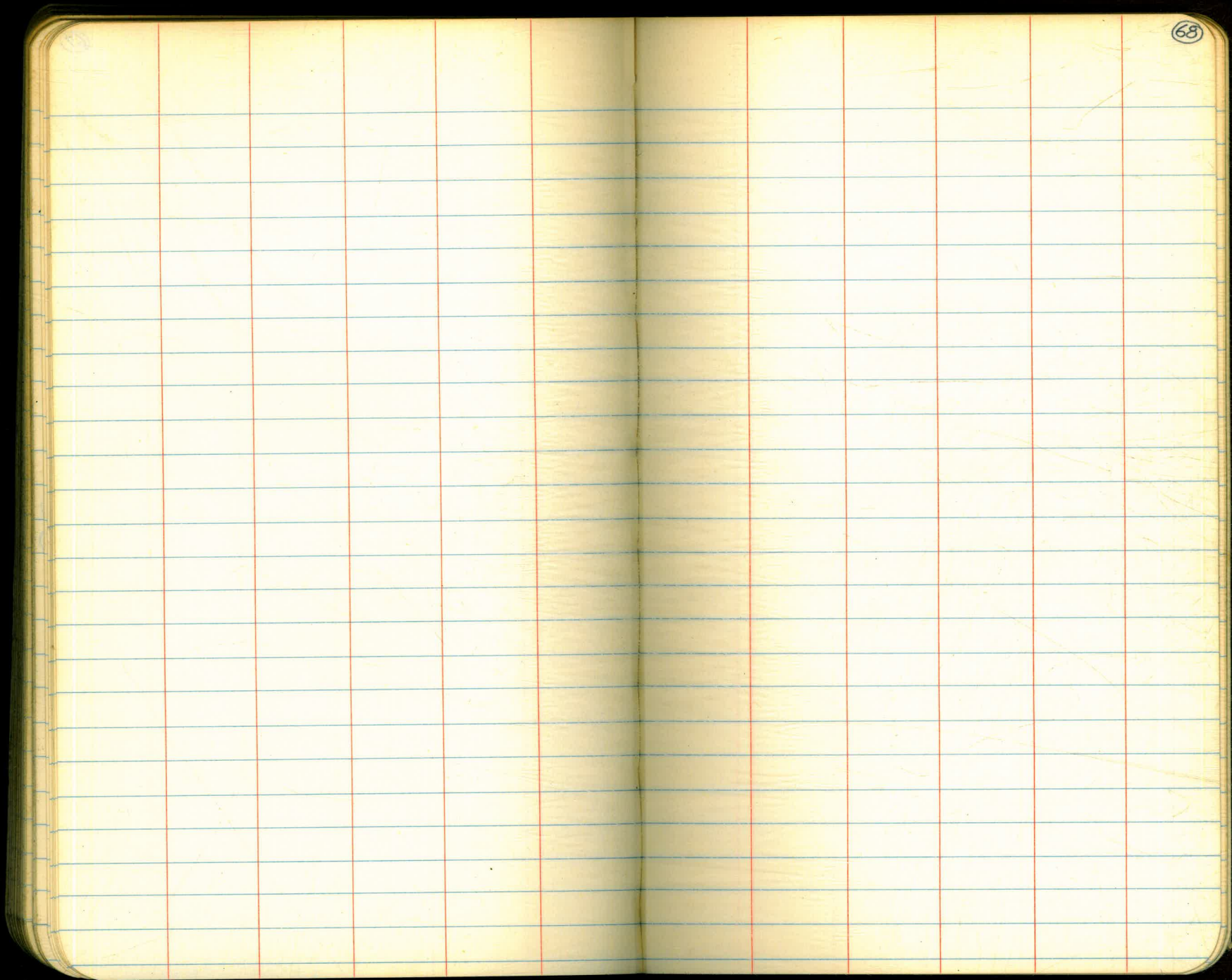
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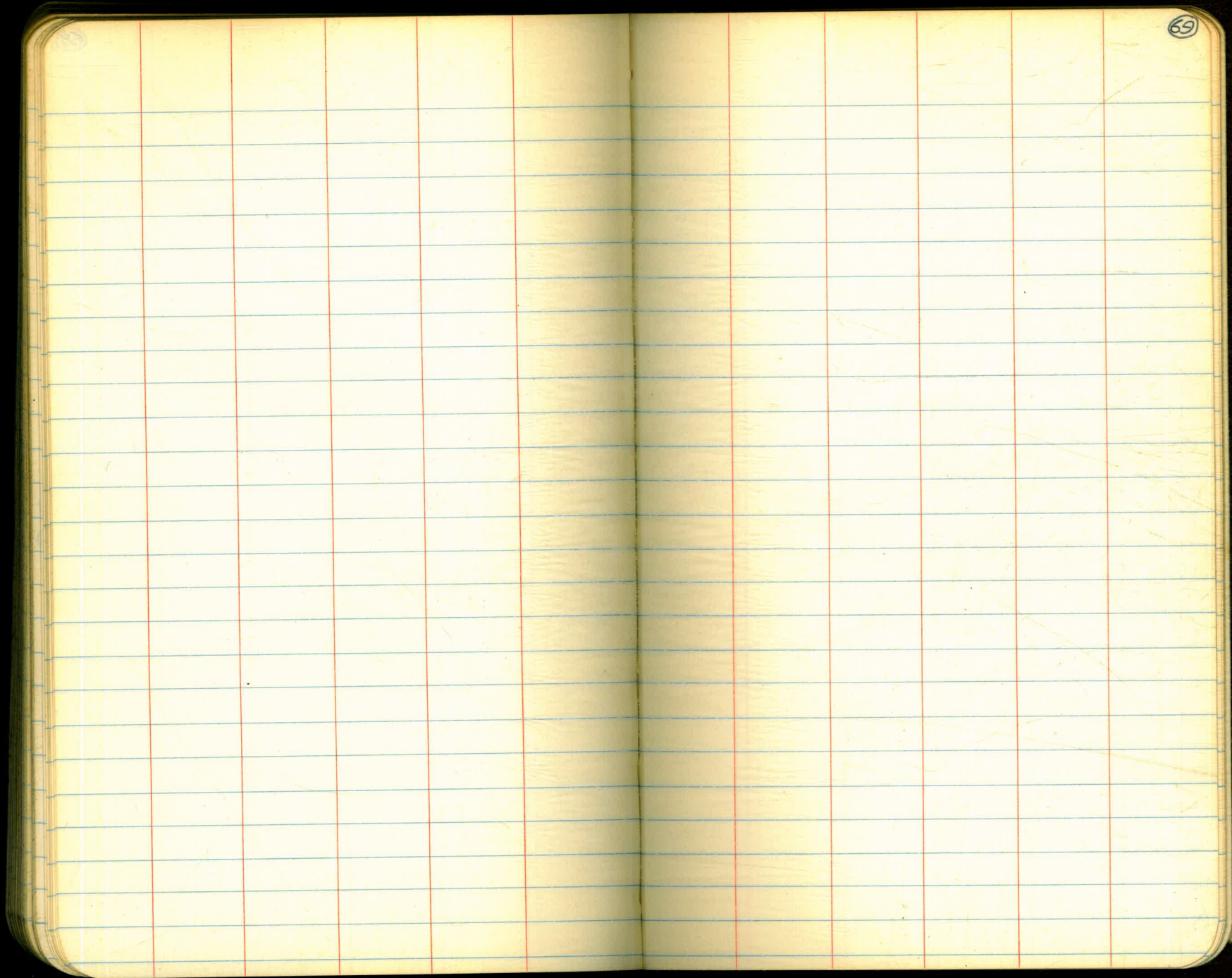
N50° = Top RIP RAP 10.0

N65° = Toe RIP RAP 5.5
ON SAND

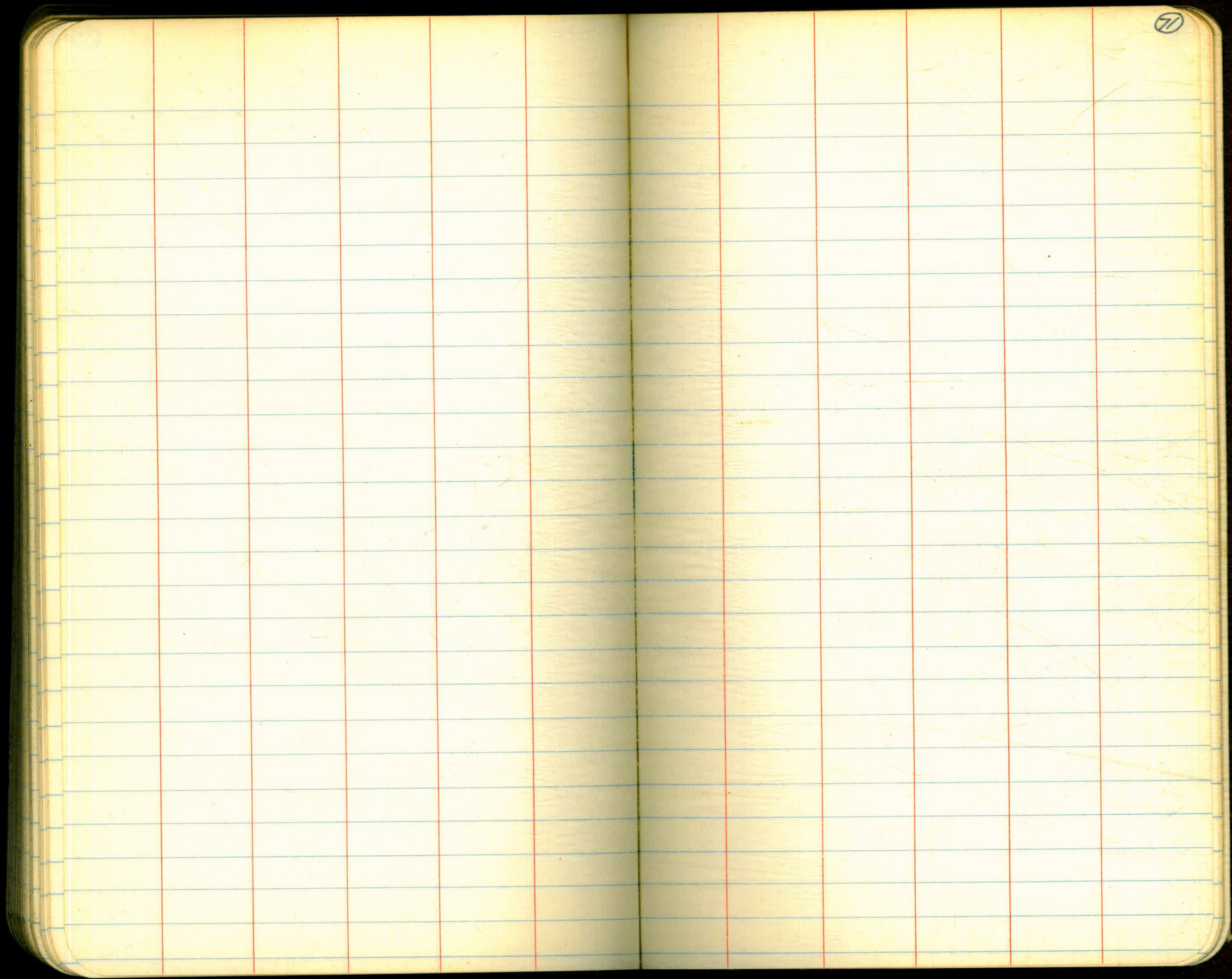






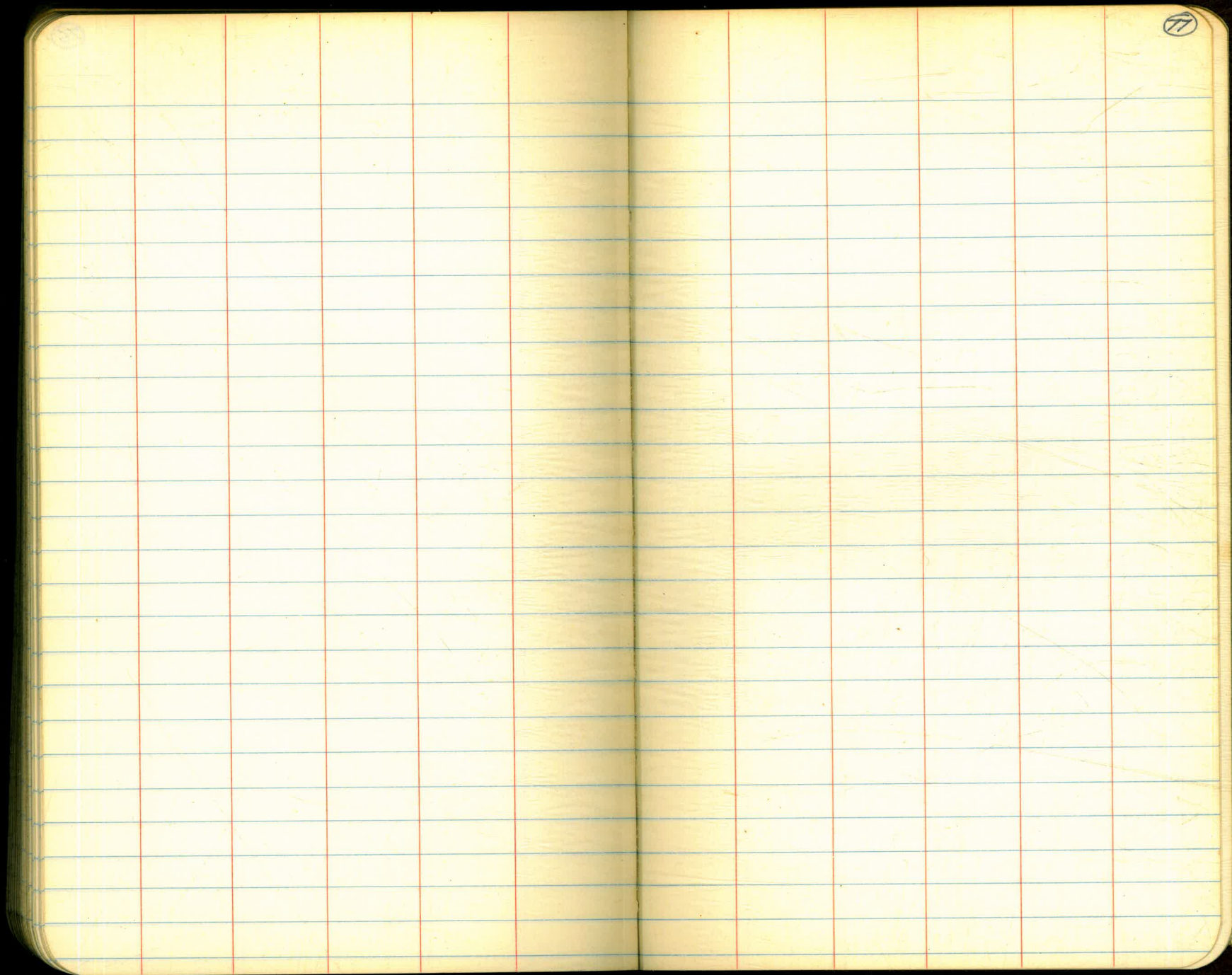


The image shows an open notebook with two facing pages. Both pages are cream-colored and feature light blue horizontal ruling. Each page is divided into two columns by a vertical red margin line. The right page has a small, hand-drawn circle containing the number '70' in the top right corner. The notebook is set against a dark background.



70

The image shows an open notebook with two facing pages. The pages are cream-colored and feature light blue horizontal ruling. Vertical red lines create margins on both sides of the central gutter. The right page has the number '73' written in the top right corner. The pages are otherwise blank, with no text or drawings.



Dusty 63-25.09

Mike CH+ 112-14-516

DICK 43-17-43.6

MORENO

CHRIST 155-32-35.7

M.
DICK 90-11-00.4

MIKE } 34°-48'-02.6"

CHRIST 124°59'03.4"