

Return to City Engineers Office
City Hall, San Diego, Cal.

400
LEVEL

F.B. 432

Pocket
Quality

Published by H. S. CROCKER COMPANY, Stationers, Drawing Materials, and Mathematical Instruments, San Francisco.

Table showing the difference of latitude and departure in running 80 chains at any course from 1 to 60 minutes.

MINUTES.	LKS.	MINUTES.	LKS.	MINUTES.	LKS.
1	2 $\frac{1}{2}$	21	49	41	95 $\frac{3}{4}$
2	4 $\frac{2}{3}$	22	51 $\frac{1}{3}$	42	98
3	7	23	53 $\frac{2}{3}$	43	100 $\frac{1}{2}$
4	9 $\frac{1}{2}$	24	56	44	102 $\frac{1}{2}$
5	11 $\frac{2}{3}$	25	58 $\frac{1}{3}$	45	105
6	14	26	60 $\frac{2}{3}$	46	107 $\frac{1}{2}$
7	16 $\frac{1}{2}$	27	63	47	109 $\frac{3}{4}$
8	18 $\frac{2}{3}$	28	65 $\frac{1}{3}$	48	112
9	21	29	67 $\frac{2}{3}$	49	114 $\frac{1}{2}$
10	23 $\frac{1}{3}$	30	70	50	116 $\frac{3}{4}$
11	25 $\frac{2}{3}$	31	72 $\frac{1}{3}$	51	119
12	28	32	74 $\frac{2}{3}$	52	121 $\frac{1}{2}$
13	30 $\frac{1}{2}$	33	77	53	123 $\frac{3}{4}$
14	32 $\frac{2}{3}$	34	79 $\frac{1}{3}$	54	126
15	35	35	81 $\frac{2}{3}$	55	128 $\frac{1}{2}$
16	37 $\frac{1}{2}$	36	84	56	130 $\frac{3}{4}$
17	39 $\frac{2}{3}$	37	86 $\frac{1}{3}$	57	133
18	42	38	88 $\frac{2}{3}$	58	135 $\frac{1}{2}$
19	44 $\frac{1}{3}$	39	91	59	137 $\frac{3}{4}$
20	46 $\frac{2}{3}$	40	93 $\frac{1}{3}$	60	140

432

MICROFILMED
DEC 1964

TABLE FOR RUNNING ON SLOPES.

In the following table the first column shows the angle, the second the number of links to be added to a chain on the slopes, to make one chain, horizontal measurement.

ANGLE	COR. IN LINKS						
°		°		°		°	
4	0.24	11	1.88	18	5.14	25	10.54
5	0.38	12	2.24	19	5.76	26	11.26
6	0.55	13	2.63	20	6.42	27	12.24
7	0.76	14	3.06	21	7.11	28	13.37
8	0.98	15	3.53	22	7.85	29	14.34
9	1.24	16	4.02	23	8.64	30	15.47
10	1.55	17	4.56	24	9.47	35	22.07

Crocker Quality

LEVEL BOOK

No. 400



FROM Loring's Book Store

MANUFACTURED BY

A.S. Crocker & Co.

SAN FRANCISCO

and

SACRAMENTO

blauy sentt at (70) continued
boltitt for
Wardi Book 4 30
Sec 08

1

2

583

Ell Farm Book
4 30

S 1/4 of 5th at (70) Emerson

W2	50	0.8
W	47	1.1
"		
1	50	0.8
"	50	0.8
"	53	0.3
H	56	0.2
E2	56	0.2
	S 1/4 of 5 th at	
E2	60	-0.2
H	58	0.0
"	54	0.4
6	52	0.6
"	52	0.6
H	48	1.0
W2	47	1.1

0.6 TIED

583

center of	s-rt	st
W2	48	1.0
bl	50	0.8
7	54	0.4
6	55	0.3
7	57	0.1
bl	62	-0.4
EL	65	-0.7
n'w of	s-rt	st
EL	66	-0.8
ll	60	-0.4
7	60	-0.4
6	58	0.0
7	56	0.2
bl	55	0.3
W2	50	0.8

PLOTTED

583

Scott's
2

n'w of	s-rt	st
W2	50	0.8
bl	54	0.4
7	58	0.4
6	58	0.0
7	59	-0.1
bl	64	-0.6
EL	65	-0.7
n'w of	s-rt	st
EL	68	-1.0
ll	68	-1.0
7	64	-0.6
6	61	-0.3
7	60	-0.2
bl	60	-0.2
W2	58	0.0

POSTED

5.83

	50	n	f	st
W2			64	-0.6
H			67	-0.9
Y			67	-0.9
L			72	-1.4
9			71	-1.3
Lh			70	-1.2
EL			71	-1.3

	100	n	f	st
EL			75	-1.8
H			78	-2.0
Y			78	-2.0
L			76	-1.8
9			75	-1.7
Lh			74	-1.6
W2			73	-1.5

PLOTTED

5.83

Scatter **33**

	150	n	f	st
W2			79	-2.1
H			80	-3.0
Y			82	-2.4
L			83	-2.5
9			82	-2.4
Lh			81	-2.3
EL			95	-3.7

viii n = 50 of 67 (70) (Zenden)

EL (in tide)			106	-4.8
H			97	-3.9
Y			90	-3.2
L			86	-2.8
9			86	-2.8
Lh			86	-2.8
W2			85	-2.7

TP 532 3.03 832 -2.79 Bm SW
6x

POSTED

3.03

	n sin y	6.7	2.8
WL		5.8	-2.8
	50' n y	6.7	2.8
WL		6.0	-3.0
	100' n y	6.7	
WL		7.2	-4.7
	150' n y	6.7	
WL		7.8	-4.8
	200' n = Sd of 7.7 (70)		
WL		7.7	-4.7
	n 2 y	7.7	
WL		8.6	-5.6
	50' n	7.7	
WL		8.9	-5.9
	100' n of	7.7	
WL		8.4	-5.4
	150' n y	7.7	
WL	PLOTTED	7.7	-4.7

3.03

Sept 21

	200' n = Sd of	8.7	4 (70)
WL		6.8	-3.8
TP	6.40 <u>2.84</u>	6.55	-3.5
	n sin y	8.7	
WL		5.4	-2.5
h		5.4	-2.5
4		6.6	-3.7
6		7.2	-4.3
7		7.6	-4.7
h		8.4	-5.5
8.2		8.6	-5.7

POSTED

2.88

50'	n of	SIT	ST
EL		77	-4.8
LL		72	-4.3
7		68	-3.9
L		56	-2.7
7		54	-2.5
LL		55	-2.6
WL		55	-2.6

100'	n of	SIT	ST
WL		50	-2.1
LL		49	-2.0
7		50	-2.1
L		50	-2.1
7		50	-2.1
LL		50	-2.1
EL		62	-3.3

PLOTTED

2.88

Scott 25

5

150'	n of	SIT	ST
EL		75	-4.6
LL		49	-1.3
7		45	-1.6
L		45	-1.6
7		45	-1.6
LL		45	-1.6
WL		45	-1.6

200'	n =	SIT	ST
WL	52.8	38	-0.9
LL		40	-1.1
7		38	-0.9
L		38	-0.9
7		38	-0.9
LL		72	-1.3
EL		45	-1.6

POST-2

288

S 1/4 of	get	
EL	45	-1.6
ll	43	-1.4
7	40	-1.1
1	39	-1.0
7	37	-0.8
ll	38	-0.9
WR	37	-0.8

S 1/4 of	get	
WR	37	-0.8
ll	37	-0.8
7	40	-1.1
1	40	-1.1
7	42	-1.3
ll	45	-1.6
EL	45	-1.6

PLOTTED

288

sect 6

6

center of	get	
EL	46	-1.7
ll	43	-1.4
7	42	-1.3
1	37	-1.0
7	38	-0.9
ll	37	-0.8
WR	36	-0.7

n 1/4 of	get	
WR	35	-0.6
ll	38	-0.9
7	40	-1.1
1	42	-1.3
7	45	-1.6
ll	46	-1.7
EL	47	-1.8

POSTED

288

n	lat	lon	alt
EL			49 -2.0
ll			47 -1.8
7			46 -1.7
l			42 -1.3
9			38 -0.9
ll			36 -0.7
WR			31 -0.2

n	lat	lon	alt	Br mm 9
WR			238	0.50
ll			33	-0.4
7			39	-1.0
l			43	-1.4
9			47	-1.8
ll			47	-1.8
EL			77	-1.8
TP	3.57	4.01	238	0.50

PLOTTED

401

Scott 7

n	lat	lon	alt
WR			46 -0.6
ll			48 -0.8
7			50 -1.0
l			54 -1.4
9			57 -1.7
ll			58 -1.8
EL			59 -1.9

n	lat	lon	alt
EL			59 -1.9
ll			57 -1.6
7			57 -1.6
l			53 -1.3
9			57 -1.7
ll			52 -1.5
WR			48 -0.8

POSTED

401

	150	m	y	glt	or
wt				45	-05
ll				46	-06
y				48	-08
l				48	-08
y				50	-10
ll				52	-12
EL				53	-13

200 m of glt at = ⁽⁷¹⁾ SL 100Z

EL				49	-09
ll				47	-07
y				46	-06
l				46	-06
y				46	-06
ll				43	-03
wt				41	-01

PLOTTED

401

Scott 8

	S ll	y	100Z	or
wt			40	00
ll			40	00
y			43	-03
l			45	-05
y			46	-06
ll			46	-06
EL			48	-08

S'ly of 100Z

EL			47	-07
ll			46	-06
y			45	-05
l			42	-04
y			41	-01
ll			40	00
wt			40	00

POSTED

4.01

	cents of	100th	11-
W2		38	0.2
ll		39	0.1
7		41	-0.1
6		43	-0.3
7		46	-0.6
ll		46	-0.6
EL		46	-0.6

	n/4 of	100th	11-
EL		48	-0.8
ll		45	-0.5
7		43	-0.3
6		42	-0.2
7		40	-0.0
ll		39	0.1
W2		38	0.2

PLOTTED

4.01

Sept 11

9

	n/4 of	100th	11-
W2		37	0.3
ll		38	0.2
7		40	0.0
6		41	-0.1
7		43	-0.3
ll		46	-0.6
EL		47	-0.7

	n/4 of	100th	11-
EL		45	-0.5
ll		45	-0.5
7		44	-0.4
6		41	-0.1
7		40	0.0
ll		37	0.3
W2		35.8	0.53

POSTED

Bm n w
100th

40.1

	50'	n-f	100'	11
WL			38	0.2
H			40	0.0
Y			42	-0.2
L			44	-0.4
Y			46	-0.6
H			48	-0.8
EL			50	-1.0

	100'	n-f	100'	11
EL			49	-0.9
H			48	-0.8
Y			46	-0.6
L			44	-0.4
Y			43	-0.3
H			42	-0.2
WL			40	0.0

PLOTTED

40.1

	150'	n-f	100'	11
WL			41	-0.1
H			43	-0.3
Y			45	-0.5
L			45	-0.5
Y			46	-0.6
H			48	-0.8
EL			50	-1.0

	200'	n-f	50'	11	at
EL			48	-0.8	
H			45	-0.5	
Y			44	-0.4	
L			44	-0.4	
Y			42	-0.2	
H			40	0.0	
WL			38	0.2	

POSTED

S 1/4 of

	11 th	at
W2	38	0.2
ll	40	0.0
7	42	-0.2
6	42	-0.2
4	44	-0.4
ll	44	-0.4
E2	46	-0.6
S 1/4 of		
E2	45	-0.5
ll	44	-0.4
7	43	-0.3
6	42	-0.2
4	41	-0.1
ll	38	0.2
W2	35	0.5

PLOTTED

center of

	11 th	at
W2	35	0.5
ll	36	0.4
7	39	0.1
6	41	-0.1
7	43	-0.3
ll	45	-0.5
E2	46	-0.6
N 1/4 of		
E2	47	-0.7
ll	40	0.0
7	40	0.0
6	40	0.0
7	38	0.2
ll	35	0.5
W2	35	0.5

POSTED

		461			
nbl of		11	12		
W2		35	0.5		
H		37	0.3		
Y		40	0.0		
L		40	0.0		
Y		40	0.0		
H		42	-0.2		
EL		45	-0.5		
nbl of		11	12		
EL		43	-0.3		
H		40	0.0		
Y		40	0.0		
L		40	0.0		
Y		38	0.2		
H		36	0.4		
TP W2	408	469	340	0.61	Bm nw 11.2

PLOTTED

		469		Scott 12	
50' nbl		11	12		
W2		37	1.0		
H		39	0.8		
Y		40	0.7		
L		41	0.6		
Y		42	0.5		
H		43	0.4		
EL		46	0.1		
100' nbl		11	12		
EL		48	-0.1		
H		46	0.1		
Y		42	0.5		
L		40	0.7		
Y		40	0.7		
H		37	1.0		
W2		37	1.3		

POSTED

469

	150	n	cf	11th	11
WL			3.6	1.1	
bl			3.7	1.0	
"			3.8	0.9	
b			4.2	0.5	
"			4.2	0.5	
bl			4.7	0.0	
EL			4.9	-0.2	
	200	n =	52.6	(small st)	12th 25 (70')
EL			4.7	0.0	
bl			4.5	0.2	
"			4.2	0.5	
b			4.0	0.7	
"			3.7	1.0	
bl			3.7	1.0	
WL			3.7	1.0	

PLOTTED

469

Scott 21
13

	S bl	cf	12th	
WL			3.6	1.1
bl			3.6	1.1
"			4.1	0.6
b			4.2	0.5
"			4.5	0.2
bl			4.5	0.2
EL			4.9	-0.1
	S 1/4	cf	10.2	th
EL			4.6	0.1
bl			4.6	0.1
"			4.4	0.3
b			4.0	0.7
"			4.0	0.7
bl			3.6	1.1
WL			3.6	1.1

POSTED

469

center of 12th st

W2	36	1.1
th	36	1.1
y	36	1.1
b	40	0.7
y	40	0.7
th	44	0.3
EL	46	0.1

N 1/4 of

	12th st	st
EL	45	0.2
th	47	0.5
y	39	0.8
b	39	0.8
y	37	1.0
th	36	1.1
W2	35	1.2

PLOTTED

469

N 1/4 of

W2	34	1.3
th	34	1.3
y	36	1.1
b	38	0.9
y	39	0.8
th	41	0.6
EL	43	0.4

W

line

	to	12th st	st
EL	40	0.7	
th	41	0.6	
y	39	0.8	POSTED
b	37	1.0	
y	36	1.1	
th	34	1.3	
W2	35	1.2	

Bm near
12th

Scatt st

14

469

50'	n of	12th st	11
W2		31	1.6
H		35	1.2
Y		36	1.1
L		39	0.8
Y		37	1.0
H		41	0.6
E2		43	0.4

100'	n of	12th st	10
E2		42	0.5
H		38	0.9
Y		36	1.1
L		33	1.4
Y		32	1.5
H		29	1.8
W2		26	2.1

PLOTTED

469

150'	n of	12th st	11
W2		22	2.5
H		23	2.4
Y		27	2.0
L		27	2.0
Y		31	1.6
H		34	1.3
E2		35	1.2

200'	n of	8th st	13th st (Mainly)
E2		34	1.3
H		32	1.5
Y		31	1.6
L		27	2.0
Y		25	2.2
H		24	2.3
W2		25	2.2
TP	3.58	500	3.27 1.42

NE N

13th

PLOTTED

POSTED

	<u>500</u>		
	n y	13.2	2.5
EL		3.88	1.42
GL		3.4	1.6
Y		3.3	1.7
L		3.1	1.9
Y		3.1	1.9
GL		3.0	2.0
WR		2.9	2.1

	<u>50</u>	n y	13.2	2.5
WR			3.2	1.8
GL			3.3	1.7
Y			3.5	1.5
L			3.7	1.3
Y			3.8	1.2
GL			4.1	0.9
EL			4.2	0.8

PLOTTED

	<u>500</u>		
	100	n y	13.2
EL			4.3
GL			4.2
Y			4.1
L			3.9
Y			3.8
GL			3.7
WR			3.5

	<u>150</u>	n y	13.2	2.5
WR			3.6	1.4
GL			3.8	1.2
Y			3.9	1.1
L			3.9	1.1
Y			4.0	1.0
GL			4.0	1.0
EL			4.1	0.9

POSTED

Scott 21

500

rev n = 5 2 of 1412 (2) Howell 11

EL	4.6	0.4
HL	4.5	0.5
7	4.5	0.5
L	4.3	0.7
7	4.1	0.9
HL	4.1	0.9
WL	4.0	1.0

WL 7 1412 13m n w H

WL	3.47	1.53	1412
HL	3.7	1.3	
7	4.0	1.0	
L	4.2	0.8	
7	4.2	0.8	
HL	4.3	0.7	
EL	4.7	0.3	

PLOTTED

500

50 n 7 1412 11

Scott 17

EL	4.7	0.3
HL	4.5	0.5
7	4.3	0.7
L	4.1	0.9
7	3.9	1.1
HL	3.8	1.2
WL	3.5	1.5

100 n 7 1412 11

WL	3.6	1.4
HL	3.8	1.2
7	4.0	1.0
L	4.2	0.8
7	4.4	0.6
HL	4.5	0.5
EL	4.7	0.3

ED

	130	⁵⁰⁰ n y	140	
el			47	0.3
ll			44	0.6
"			45	0.8
l			39	1.1
4y			36	1.4
ll			35	1.5
WR			34	1.6

	200	n = 52	150 (70)	Ally	150
TP	297	493	324	176	150
WR			30	1.7	
ll			31	1.6	
4			32	1.5	
l			32	1.5	
"			37	1.0	
ll			39	0.8	
el			43	0.4	

PLOTTED

	200	n = 50	150	
el			41	0.6
ll			41	0.6
"			39	0.8
l			37	1.0
4			35	1.2
ll			33	1.4
WR			33	1.4

	50	n = 50	150	
WR			36	1.1
ll			37	1.0
"			38	0.9
l			40	0.7
4			41	0.6
ll			44	0.3
el			46	

9/ POSTED

473

	100	n of	150	20
E2			5.1	-0.4
H			5.1	-0.4
Y			4.9	-0.2
L			4.6	0.1
Y	*		4.5	0.2
H			4.5	0.2
WA			4.4	0.3

	150	n of	150	20
WA			5.2	-0.5
H			5.3	-0.6
Y			5.2	-0.7
L			5.7	-1.2
Y			5.8	-1.1
H			6.0	-1.3
E2			6.2	-1.5

PLOTTED

South 11

473

	200	n =	524	160	20	(Post)
E2			6.8	-2.1		19
H			6.6	-1.9		
Y			6.3	-1.6		
L			6.2	-1.5		
Y			6.2	-1.5		
H			6.1	-1.4		
WA			5.8	-1.1		

	200	n of	160	20	130	500
WA	4.5	<u>249</u>	6.6	-1.96		160
WA			4.4	-1.5		
H			4.6	-2.1		
Y			4.6	-2.1		
L			4.7	-2.2		
Y			4.7	-2.1		
H			4.9	-2.4		
E2			5.7	-2.6		

POSTED

249

	50' n of	162	22
E2		5.7	-3.2
bl		5.6	-3.1
7		5.5	-3.0
dt		5.2	-2.7
4		5.0	-2.5
ll		5.0	-2.5
WR		4.9	-2.4

	100' n of	162	22
WR		5.2	-2.7
ll		5.2	-2.7
7		5.6	-3.1
6		6.0	-3.5
7		6.1	-3.6
ll		6.0	-3.5
E2		6.0	-3.5

PLOTTED

249

20

	150' n of	162	22
E2		6.3	-3.8
ll		6.2	-3.7
4		6.2	-3.7
6		6.3	-3.8
4		6.0	-3.5
ll		5.5	-3.0
WR		5.3	-2.8

	200' n of	172	22
WR		5.9	-3.4
ll		6.1	-3.6
4		6.4	-3.9
6		6.5	-4.0
7		6.5	-4.0
ll		6.4	-3.9
E2		6.5	-4.0

PLOTTED

POSTED

Scott St continued

				Instrument
090	2515	2445		Redcross 2 each
017	1299	1222	1292	
N line of		24th St (70)		Xenophon
EA	in water	17.0	-4.0	
EL		16.3	-3.3	
γ		16.0	-3.0	
b		15.6	-2.6	
γ		14.2	-1.2	
bl		11.8	1.2	
WL		11.4	1.6	
	50' n of	24th St	21-	
WL		10.6	2.4	
bl		11.1	1.9	
γ		11.8	1.2	
b		12.0	1.0	
γ		12.6	0.4	
bl		15.4	-2.4	
EL		15.6	-2.6	

1299

	100'	n of	24th St	
EL			13.7	-0.7
bl			13.0	0.0
γ			12.7	0.8
b			11.6	1.4
γ			11.0	2.0
bl			10.5	2.5
WL			10.1	2.9
	150'	n of	24th St	21-
WL			9.2	3.8
bl			10.0	3.0
γ			11.6	1.4
b			12.3	0.7
γ			12.5	0.5
bl			12.6	0.4
EL			12.8	0.2
			12.7	

POSTED

	175	<u>1299</u> n y	24 it	21
EL			120	1.0
HL			120	1.0
v			105	2.5
b			110	2.0
y			118	1.2
ll			114	1.6
wL			107	2.3

	200	n = 52	25 it	21 (orange)
wL			87	4.3
bb			86	4.4
y			94	3.6
b			100	3.0
y			100	3.0
ll			103	2.7
EL			107	2.3

	566 y	<u>1299</u> 25 it	21	Scott 21 22
EL			106	2.5
ll			101	2.9
y			96	3.4
b			97	3.3
y			89	4.1
ll			88	4.2
wL			89	4.1

	25 it	25 it	21	
wL			86	4.4
v			86	4.4
y			87	4.3
y			92	3.8
ll			86	3.4
v			102	2.8
EL			107	2.3

POSTED

12.37

Center line 25th

Ek	10.1	2.9
c	9.8	3.2
W	9.3	3.7
f	9.1	3.9
W	8.3	4.7
c	8.2	4.6
W.L.	8.1	4.9

N 1/4 25th

W.L.	7.7	5.3
c	8.2	4.8
W	8.5	4.5
f	8.6	4.4
W	8.9	4.1
c	9.1	3.6
Ek	9.8	3.2
c	9.8	3.2

12.99

Jan 11 20

23

N. Curb line 25th

Ek	9.7	3.3
c	9.3	3.7
W	8.7	4.3
f	8.6	4.4
W	8.1	4.4
c	7.8	5.2
W.L.	7.1	5.9

N line 25th

W.L.	6.91	6.08	6th N.W. Cor 4th 25 th x Sect 11
c	7.3	5.7	
W	8.1	4.6	
f	8.8	4.2	
W	8.8	4.2	
c	8.8	4.2	
Ek	9.3	3.7	

POSTED

12.99

50' N 25 1/2

FF	7.8	5.2
c	7.9	5.1
W	8.1	4.9
q	6.8	6.2
h	6.7	6.3
c	6.2	6.8
Wf	6.0	7.0

85' N 25 1/2

Wf	4.9	8.1
c	5.3	7.7
W	5.7	7.3
q	5.6	7.4
h	6.0	7.0
c	7.2	5.8
FF	7.1	5.6

12.99

100' N 25 1/2

FF	5.8	7.2
c	4.1	8.9
W	4.3	8.5
q	4.0	9.0
h	5.0	8.0
c	4.8	8.2
Wf	4.5	8.5

150' N 25 1/2

Wf	8.1	9.9
c	8.4	9.6
W	4.1	8.9
q	4.2	8.6
h	3.6	9.4
c	4.1	8.9
FF	4.4	8.6

POSTED

Sheet 22

24 5

12.99
200' N 25° E = S line 26° E (Zouch, 54)

EH	50	8.0
c	5.2	7.8
W	4.7	8.3
E	4.3	8.7
W	3.8	9.2
c	3.0	10.0

W	2.7	10.3
EA	2.55	10.44

6.88
17.29
N line 26° E

W	5.7	11.6
c	7.1	10.2
W	8.6	8.7
E	8.6	8.7
W	7.5	9.8
c	8.5	8.8
EH	8.3	9.0

17.29
50' N 26° E

EH	7.4	9.9
c	2.0	10.3
W	6.3	11.0
E	6.0	11.3
W	6.0	11.3
c	5.7	11.6
W	5.3	12.0

100' N 26° E

W	4.2	13.1
c	5.0	12.3
W	5.8	11.5
E	5.6	11.7
W	6.3	11.0
c	6.7	10.4
EH	7.2	10.1

POSTED

17.29

150' N 26 7/8 S

FL	7.3	10.0
c	6.8	10.5
W	6.3	11.0
q	6.2	11.0
W	6.0	11.3
c	5.8	12.0
W	4.6	12.7

200' N 26 7/8 S - Same 27 1/2 S

W	5.28	12.01
c	5.5	11.8
W	6.1	10.9
q	7.0	10.3
W	7.7	9.6
c	7.1	10.2
FL	7.8	9.5

17.29

So Corbine 27 1/2 S

South 27

26

FL	7.8	9.5
c	7.2	10.1
W	7.9	9.4
q	6.9	10.4
W	6.0	11.3
c	5.8	12.0
W	4.9	12.4

So 1/2 27 1/2 S

W	4.8	12.5
c	5.6	11.7
W	6.4	10.9
q	7.2	10.1
W	8.1	9.2
c	7.5	10.0
FL	7.8	9.5

POSTED

17.29

Center line 27 $\frac{1}{2}$ St

FK	77	9,6
c	80	9,3
W	80	9,3
q	64	10,9
W	63	11,0
c	56	11,7
W	52	12,1

N W 27 $\frac{1}{2}$ St

W	52	12,1
c	60	11,3
W	62	11,1
q	65	10,8
W	72	10,1
c	84	8,9
FK	84	8,9

17.29

N.C. line 27 $\frac{1}{2}$ St

FK	83	9,0
c	83	9,0
W	70	10,3
q	64	10,9
W	61	11,2
c	58	11,5
W	52	12,1

N line 27 $\frac{1}{2}$ St

W	57	11,6
c	58	11,5
W	67	10,9
q	66	10,7
W	73	10,0
c	85	8,8
FK	85	8,8

POSTED

Scan 27

17.29
50' N 27 $\frac{1}{2}$ S

Fh	7.9	9.4
c	7.5	9.8
W	7.0	10.3
d	6.3	11.0
W	6.1	11.2
c	5.5	11.8

W/L 11.9
7.2 6.35 17.67 9.97 12.32

100' N 27 $\frac{1}{2}$ S

W/L	6.7	12.0
c	7.0	11.7
W	7.6	11.1
d	8.0	10.7
W	8.5	10.2
c	9.0	9.7
Fh	9.1	9.6

18.67
150' N 27 $\frac{1}{2}$ S

28

Fh	9.0	9.7
c	8.6	10.1
W	8.3	10.4
d	7.7	11.0
W	7.3	11.4
c	6.8	11.9
W/L	6.2	12.5

200' N 27 $\frac{1}{2}$ = Same as 28 $\frac{1}{2}$ for Bronning
but called Kraze

W/L	6.1	12.6
c	6.5	12.2
W	7.0	11.7
d	7.5	11.2
W	7.7	11.0
c	8.2	10.5
Fh	8.3	10.4

POSTED

1867

S C line 287 51

EH	82	10,5
c	80	10,7
W	76	11,1
q	72	11,5
W	69	11,8
c	63	12,4
W	60	12,7

SW 287 51

W	63	12,4
c	66	12,1
W	72	11,5
q	79	11,3
W	79	10,8
c	82	10,5
EH	84	10,3

1867

Center line 287 51

EH	73	11,4
c	70	11,7
W	66	12,1
q	64	12,3
W	60	12,7
c	57	13,0
W	56	13,1

N. W. of 287 51

W	60	12,7
c	68	11,9
W	74	11,3
q	75	11,2
W	79	10,8
c	84	10,3
EH	86	10,1

Scott 29

29

POSTED

1867

N Curve line 287 1/2

FL	72	11,5
c	69	11,8
H	65	12,2
d	62	12,5
H	59	12,8
c	56	13,1
WL	52	13,5

N line 287 1/2

WL	5.00	13,67
c	52	13,5
H	55	13,2
d	60	12,7
H	64	12,3
c	67	12,0
FL	68	11,9

1867

50' N 287 1/2

FL	56	13,1
c	54	13,3
H	50	13,7
d	46	14,1
H	42	14,5
c	40	14,7
WL	40	14,7

100' N 287 1/2

WL	3.1	13,6
c	3.2	13,3
H	3.4	13,3
d	3.5	13,2
H	3.8	14,9
c	4.1	14,6
FL	4.2	14,5

Sea 30

POSTED

1867

100' N of 28th St

FK	8.2	15.5
c	2.9	15.8
W	2.3	16.4
φ	2.8	16.4
W	2.3	16.4
c	2.1	16.3

W	2.0	16.7
T.A	9.73	27.32
	108	17.59

200' N 28th = So line 29th or Curtis St

W	9.7	17.6
c	9.5	17.8
W	9.6	17.7
φ	9.7	17.6
W	10.1	17.2
c	10.6	16.7
FK	10.8	16.5

2782

Sept 25

31

So C. line 29th St

FK	10.6	16.7
c	10.4	16.9
W	10.1	17.1
φ	9.7	17.6
W	9.2	18.1
c	9.1	18.2
W	9.6	17.7

So W 29th St

W	9.3	18.0
c	9.3	18.0
W	9.1	18.2
φ	9.4	17.9
W	9.9	17.4
c	10.2	17.1
FK	10.3	17.0

POSTED

2732

Center line 29 $\frac{1}{2}$ S1

Fh	100	17,3
c	98	17,5
u	95	17,8
φ	90	18,3
u	87	18,6
c	85	18,8
u	90	18,3

N 1/4 29 $\frac{1}{2}$ S1

u	87	18,6
c	84	18,9
u	87	18,6
φ	90	18,3
u	93	18,0
c	97	17,6
Fh	96	17,7

2732

N 1/4 line 29 $\frac{1}{2}$ S1

Fh	95	17,8
c	93	18,0
u	88	18,5
φ	84	18,9
u	83	19,0
c	85	19,2
u	83	19,0

N line 29 $\frac{1}{2}$ S1

u	80	19,3
c	79	19,4
u	81	19,2
φ	85	18,8
u	88	18,5
c	92	18,1
Fh	92	18,2

POSTED

32

2732

50' N 294 S

FL	87	18.6
c	83	19.0
H	78	19.5
φ	75	19.8
H	73	20.0
c	70	20.3
W	68	20.5

100' N 294 S

W	65	20.8
c	67	20.6
H	68	20.5
φ	73	20.0
H	77	19.6
c	82	19.1
FL	83	19.0

2732

150' N 294 S

2074 v

33

FL	89	18.4
c	84	18.9
H	78	19.5
φ	74	19.9
H	70	20.3
c	68	20.5
W	68	20.5

200' N 294 S - Same as 2074 (70) Thomas

W	70	20.3
c	74	19.9
H	75	19.5
φ	81	19.2
H	87	18.6
c	93	18.0
FL	96	17.7

POSTED

2732

S. C. line 30 1/4 St

FL	96	17.7
c	93	18.0
1/4	87	18.6
2	83	19.0
1/2	78	19.8
c	73	20.0
W/L	68	20.5

S. 1/4 30 1/4

W/L	66	20.7
c	71	20.2
1/4	77	19.6
2	85	18.8
1/2	89	18.4
c	91	18.2
FL	96	17.7

2732

Center line 30 1/4 St

Scott St

34

FL	98	18.0
c	87	18.6
1/4	82	19.1
2	77	19.6
1/2	71	20.2
c	66	20.7
W/L	64	20.9

N. 1/4 30 1/4 St

W/L	60	21.3
c	64	20.9
1/4	70	20.3
2	76	19.7
1/2	83	19.0
c	88	18.5
FL	92	18.1

POSTED

2782

N. Curve line 30th St

54	20	18.3
e	85	18.8
4	50	19.3
4	70	20.0
4	68	20.5
e	61	21.2
W	55	21.8

No. line of 30th St

W	52	22.1
e	57	21.6
4	64	20.9
4	70	20.3
4	78	19.5
e	82	18.9
W	88	18.5

T.D.	12.02	39.04	511	22.21
	12.69	50.71	0.30	27.02
			102	38.02
			172	48.99

8.10 N.W.
High 30th
& Scott30th N.W.
48.97

50 m y

9.33 31.54

WA

4

7

6

7

4

82

100 m y

82

4

7

6

7

4

W

Scott St

35

Bm n n x

Scott St

22.21

77 23.8

84 23.1

90 22.5

100 21.5

106 20.9

113 20.2

118 19.7

100 21.1

102 21.2

94 22.1

81 23.4

74 24.1

68 24.7

67 24.8

64 25.1

POSTED

31.54

150'	n y	30 n	25
nl		4.7	26.8
ll		5.3	26.2
y		5.6	25.9
b		6.0	25.5
v		6.5	25.0
ll		7.3	24.2
El		8.0	23.5

200 n = 5 1/4 of 31 n (ii) Elliott

El	6.3	25.2
ll	5.8	25.7
y	5.3	26.2
b	4.7	26.8
v	4.3	27.2
ll	4.0	27.5
nl	3.6	27.9

31.54

Scott 36

S 1/4 of	31	25
nl	3.3	28.2
ll	3.7	27.8
y	4.1	27.4
b	4.4	27.1
v	4.9	26.6
ll	5.6	25.9
El	6.1	25.4

S 1/4 of 31.25

El	6.0	25.5
ll	5.4	26.1
y	4.5	27.0
b	4.1	27.4
v	3.8	27.7
ll	3.3	28.2
nl	3.0	28.5

POSTED

3/54

	center of	31	21
WR		29	28.6
ll		33	28.2
γ		37	27.8
h		41	27.4
γ		48	26.7
ll		54	26.1
EL		60	25.5

n^{1/4} of

	31	21	11
EL	58	25.7	
ll	53	26.2	
γ	46	26.9	
h	40	27.5	
γ	36	27.9	
ll	31	28.4	
WR	27	28.8	

3/54

	2. ll	of	31	21
WR			25	29.0
ll			30	28.5
γ			36	27.9
h			40	27.5
γ			46	26.9
ll			53	25.2
EL			58	25.7

2. line of

	31	21
EL	574	25.80
ll	53	26.2
γ	48	26.7
ll	41	27.4
γ	35	28.0
ll	30	28.5
WR	26	28.9

37

Bm nE
31

POSTED

	50'	3154 n of	31	25	25
W2			24	29.1	
U			29	28.6	
Y			33	28.2	
L			37	27.8	
Y			41	27.4	
U			46	26.9	
EL			50	26.5	
TP	539	3326	367	27.87	2516 EL
	100	n of	31	25	
EL			63	27.0	
U			59	27.4	
Y			55	27.8	
L			53	28.0	
Y			50	28.3	
U			44	28.9	
W2			39	29.4	

	150'	3326 n of	31	25	25
W2			36	29.7	
U			42	29.1	
Y			45	28.8	
L			46	28.7	
Y			47	28.6	
U			53	28.0	
EL			57	27.6	
	200'	n = 52	31	25	(70) 32nd of Freeman
EL			51	28.2	
U			46	28.7	
Y			41	29.2	
L			36	29.7	
Y			35	29.8	
U			30	30.3	
W2			28	30.5	

3326

	S lb of	32nd	
WR		25	30.8
U		30	30.3
7		33	30.0
6		38	29.5
7		41	29.2
U		47	28.6
E2		52	28.1

	S 1/4 of	32nd	
E2		50	28.3
U		46	28.7
7		43	29.0
6		38	29.5
7		34	29.9
U		30	30.3
WR		24	30.9

3326

Scat 11

39

	center of	32nd	
WR		25	31.0
U		29	30.4
7		33	30.0
6		36	29.7
7		36	29.7
U		41	29.2
E2		45	28.8

	N 1/4 of	32nd	
E2		42	29.1
U		38	29.5
7		34	29.9
6		34	29.9
7		30	30.3
U		26	30.7
WR		20	31.3

POSTED

3326

nl	nl of	sum	st
WR		20	31,3
H		28	30,5
9		32	30,1
b		34	29,7
7		39	29,4
H		41	29,2
EL		47	28,6

nl of

nl	nl of	sum	st
EL		478	28,48
H		42	29,0
7		40	29,3
b		37	29,8
7		32	30,1
H		27	30,6
WR		19	31,4

Bm nE H
sum

3326

nl	nl of	sum	st
WR		14	32,1
H		18	31,5
9		23	31,0
b		26	30,7
7		28	30,5
H		35	29,8
EL		43	29,0

nl of

nl	nl of	sum	st
EL		39	29,4
H		30	30,3
7		27	30,6
b		25	31,0
7		22	31,1
H		15	31,8
WR		17	31,9

Scott
40

POSTED

3326

100'	n of	32m	W
		32	30.1
		27	30.6
		32	30.1
		37	29.6
		43	29.0
		49	28.4
		52	28.1

125'

n of	32m	W
	73	26.0
	68	26.5
	62	27.1
	60	27.8
	56	27.7
	45	28.8
	45	28.8

3326

Scott 41

150'	n of	32m	W
		48	28.5
		49	28.4
		52	28.1
		56	27.7
		60	27.3
		65	26.8
		70	26.3

200'

n =	52 + 33 + 20	Goldsmith
	42	29.1
	41	29.2
	40	29.3
	41	29.2
	42	29.1
	40	29.3
	40	29.3

POSTED

3326

	S 1/4 of	33d 1/2	
W2		38	29,5
U		39	29,4
7		40	29,3
6		40	29,3
7		32	30,1
U		34	29,9
EL		36	29,7

S 1/4 of

33d 1/2

EL		30	30,3
U		28	30,5
7		27	30,6
6		32	30,1
7		38	29,5
U		38	29,5
W2		36	29,7

3326

Scott 21

42

	center of	33d 1/2	
W2		30	30,3
U		31	30,2
7		35	29,8
6		30	30,3
7		21	31,2
U		24	30,9
EL		27	30,6

N 1/4 of

33d 1/2

EL		25	30,8
U		22	31,1
7		20	31,3
6		28	30,5
7		27	30,6
U		23	31,0
W2		24	30,9

POSTED

3326

	Nbr of	33d wt	
WL		18	31.5
H		18	31.5
7		22	32.1
6		22	31.1
4		21	31.2
H		19	31.4
EL		23	31.0

Nbr of

	Nbr of	33d wt	
EL		185	31.41
H		16	31.7
4		18	31.5
6		18	31.5
7		18	31.5
H		15	31.8
WL		12	32.1

T.P. 234 34.75 185 31.41

3475

Scatt w

43

	Nbr of	33d wt	
WL		16	33.2
H		19	32.9
7		24	32.4
1		29	31.9
4		35	31.3
H		35	31.3
EL		37	31.1

100 n of

	Nbr of	33d wt	
EL		47	30.1
H		45	30.3
4		33	31.5
6		27	32.1
7		21	32.7
H		18	33.0
WL		14	33.4

POSTED

3475

	150	n	d	wt
WR			32	32.8
U			25	32.3
"			32	31.6
L			34	31.4
"			41	30.7
U			49	29.9
EL			50	29.5

200 n = 52 y 34 d (76) Homer

EL			58	29.0
U			46	30.2
"			36	31.2
L			31	31.7
"			25	32.3
U			18	33.0
WR			12	33.6

3475

South

44

	150	n	d	wt
WR			15	33.3
U			20	32.8
"			30	31.8
L			40	30.8
"			44	30.4
U			50	29.8
EL			57	29.1

5'4 y 34 d wt

EL			58	29.0
U			49	29.9
"			42	30.6
L			32	31.6
"			26	32.2
U			14	33.4
WR			10	33.8

POSTED

34.75

	center of	340	2
WR		07	341
ll		12	336
y		18	330
h		29	319
7		40	308
ll		51	297
ER		56	292

n 1/4 of

	of	340	2
ER		55	293
ll		46	302
y		34	314
h		25	323
7		18	330
ll		08	340
WR		07	341

34.75

South 45

	center of	340	2
WR		07	341
ll		08	340
y		17	331
h		26	322
7		37	316
ll		46	302
ER		53	295

n 1/4 of

	of	340	2
ER		59	296
ll		40	308
1/4		29	319
h		24	324
y		15	333
ll		07	341
WR		06	342

POSTED

	50'	3475 n of	3402 25	
WR			04	344
ll			10	338
γ			13	335
h			20	328
γ			33	315
ll			39	309
EL			47	301
7P	852	3899	424	3047
	100	n of	3402	
EL			94	296
EL			86	304
γ			71	319
h			67	323
γ			63	327
ll			56	334
WR			43	347

	150'	3899 n of	3402 25	
WR			43	347
ll			59	331
γ			72	318
h			78	312
γ			85	304
ll			94	306
EL			102	298
	195	n of	3402	
EL			108	292
ll			99	301
γ			93	307
h			87	303
γ			78	310
ll			59	333
WR			40	350

POSTED

3899

you n = 52 of (Ksm) 35.2 (76)

WA	28	36.2
u	36	35.4
y	43	34.7
b	52	33.4
7	70	32.0
u	85	30.5
92	94	30.6

Sub of 35.2

92	88	30.2
u	80	31.0
7	72	31.8
b	54	33.6
y	41	34.9
u	23	36.7
WA	16	37.4

3899

S'ly 55.2

47

WA	22	36.8
u	29	36.1
y	37	35.3
b	49	34.1
7	65	32.5
u	80	31.0
92	95	30.5

center of 35.2

92	100	29.0
u	82	30.8
7	60	33.0
b	55	33.5
4	48	34.2
u	31	35.9
WA	22	36.8

POSTED

3899

	n ^o	of	35 th	2 nd
WB			30	36,0
U			45	34,5
Y			50	34,0
L			54	33,6
7			60	33,0
U			93	31,7
EL			195	27,5
	n ^o	of	35 th	2 nd
EL			113	27,7
BL			91	39,9
Y			82	30,8
L			67	32,3
U			63	32,7
U			43	34,7
WB			35	35,5

3899

South 11

48

	n ^o	of	35 th	2 nd
WB			40	35,0
U			45	35,5
Y			61	32,9
L			72	31,8
7			76	31,4
U			99	29,1
EL			124	26,6
	n ^o	of	35 th	2 nd
EL			132	25,7
BL			126	26,4
Y			107	28,1
L			99	29,1
U			87	30,3
U			75	31,5
WB			65	32,5
TP	0,24		32,75	6,38
				32,51

POSTED

3295

100' N 35° 5'

W/L	1.9	31.5
c	2.0	30.3
W	2.8	28.0
q	5.4	28.2
W	6.7	26.1
c	7.7	25.1
FL	8.5	24.3

150' N 35° 5'

FL	9.6	23.2
c	8.2	24.6
W	6.7	26.1
q	5.1	27.7
W	4.2	28.6
c	3.0	29.8
W/L	2.7	30.1

3275

200' N 35° 5' - Spine James

49

W/L	1.1	28.7
c	2.0	27.5
W	3.2	26.6
q	4.0	25.8
W	4.6	25.2
c	6.2	23.6
FL	7.6	22.2

50' Clinch 36° 4'

FL	3.8	24.0
c	6.0	23.8
W	4.7	25.1
q	4.1	25.7
W	3.3	26.5
c	2.5	27.3
W/L	1.7	28.1

POSTED

29.84
So 1/4 36 3/4 S-1

W/	1.9	27.9
C	2.8	27.0
1/4	3.6	26.2
1/2	4.8	25.0
3/4	5.7	24.1
C	6.9	22.9
FL	7.9	21.9

Center line 36 3/4

FL	8.1	21.7
C	6.7	23.1
1/4	5.3	24.5
1/2	4.4	25.4
3/4	3.2	26.6
C	2.9	27.1
W/	2.2	27.6

29.84
N 1/4 36 3/4 S-1

50011

50

W/	2.6	27.2
C	3.7	26.1
1/4	4.4	25.4
1/2	5.4	24.4
3/4	6.4	23.4
C	7.1	22.7
FL	8.2	21.6

N.C. line 36 3/4

FL	8.3	21.5
C	6.8	23.0
1/4	5.6	24.2
1/2	4.3	24.6
3/4	2.8	25.0
C	1.9	25.5
W/	0.7	26.1

POSTED

29.84

Line 36 7 St

W/	4.1	25.7
c	4.8	25.0
1/4	5.3	24.5
1/2	5.8	24.0
3/4	6.4	23.4
c	7.7	22.1
FL	8.5	21.3

50' N 36 7 St

FL	9.8	20.0
c	9.5	20.3
1/4	8.8	21.0
1/2	9.1	20.7
3/4	9.7	20.4
c	9.4	20.2
W/	9.9	20.5

29.84

Drott

51

100' N 36 7 St

W/	11.7	18.1
c	12.0	17.8
1/4	12.0	17.8
1/2	12.0	17.8
3/4	12.1	17.7
c	11.9	17.9
FL	11.7	18.1

150' N 36 7 St

FL	13.5	16.3
c	13.5	16.0
1/4	13.4	16.4
1/2	13.2	16.6
3/4	13.1	16.7
c	13.0	16.8

W/	12.7
T.D.	22.89
	12.47
	17.07

POSTED

22.89

200' N-36 7/8 - S 37 7/8 for Kingsley

W	5.8	17.1
c	6.6	16.3
1/4	6.7	16.2
2	7.1	15.8
1/4	7.0	15.9
c	7.1	15.8
FL	7.3	15.6

So C line 37 7/8

FL	7.6	15.3
c	7.4	15.5
1/4	7.1	15.8
2	6.9	16.0
1/4	6.9	16.0
c	6.5	16.4
W	5.8	17.1

2289

Scott

52

So 1/4 37 7/8 St

W	5.7	17.2
c	6.7	16.2
1/4	7.1	15.8
2	7.1	15.8
1/4	7.4	15.5
c	7.7	15.2
FL	7.8	15.1

Centerline 37 7/8

FL	7.9	15.0
c	7.6	15.3
1/4	7.8	15.6
2	7.3	15.6
1/4	7.1	15.8
c	6.6	16.3
W	5.4	17.5

POSTED

22.89

N. 1/4 37 1/2 ST

W L	52	17.7
Q	61	16.8
H	70	15.7
Q	73	15.6
H	78	15.1
C	78	15.1
E L	81	14.8

N.E. line 37 1/2

E L	83	14.6
C	80	14.9
H	78	15.1
Q	76	15.3
H	67	16.2
C	57	17.2
W L	50	17.9

24.9

Sect 11

53

N. line 37 1/2 ST

W L	78	18.1
C	57	17.2
H	67	16.2
Q	77	15.2
H	81	14.8
C	83	14.6
E L	85	13.4

S.E. 1/4 37 1/2 ST

E L	77	15.5
C	65	16.4
H	59	17.0
Q	54	17.5
H	46	18.3
C	44	18.5
W L	41	18.8

POSTED

22.89

100' N 37 1/2° S

W/L	26	19.3
c	54	17.5
1/4	60	16.9
1/2	60	16.9
3/4	57	17.2
c	68	16.1
FL	70	15.9

150' N 37 1/2° S

FL	79	15.0
c	78	15.1
1/4	71	15.8
1/2	67	16.2
3/4	70	15.9
c	60	16.9
W/L	20	20.9

22.59

5077

195' N 37 1/2° S

54

W/L	17	21.2
c	78	18.1
1/4	70	15.9
1/2	76	15.3
3/4	79	15.0
c	83	14.6
FL	83	14.6

200' N 37 1/2° S - Sofine 38° body 119 Graded

FL	37	19.2
c	36	19.3
1/4	33	19.6
1/2	28	20.1
3/4	28	20.6
c	18	21.1
W/L	16	21.3

POSTED

2289

N. line of Lytton or 384

WL		16	21.3
e		19	21.0
H		27	20.5
φ		28	20.1
H		33	19.6
e		36	19.3
FR		37	19.2
FR	0.37 19.59	3.67	19.22
	5' N Lytton St		
FR		54	14.2
e		59	14.2
H		49	14.7
φ		50	14.6
H		48	14.8
e		48	14.8
WL		48	14.8

1959

50071

55

50' N Lytton

WL		48	14.8
e		49	14.7
H		49	14.7
φ		50	14.6
H		54	14.2
e		55	14.1
FR		54	14.2
	100' N Lytton		
FR		55	14.1
e		55	14.1
H		55	14.1
φ		50	14.6
H		50	14.6
e		48	14.8
WL		48	14.6

POSTED

1959

150' N. Lytton

W.L.	47	14.9
c	46	15.0
1/4	47	14.9
1/2	46	15.0
1/4	52	14.4
c	55	14.1
FL	56	14.0

200' N. Lytton = S. Meredith

FL	54	14.2
c	54	14.2
1/4	52	14.4
1/2	46	15.0
1/4	45	15.1
c	50	14.6
W.L.	50	14.6

1959

S. B. Line Meredith

56

W.L.	51	14.5
c	51	14.5
1/4	51	14.5
1/2	51	14.5
1/4	51	14.5
c	55	14.1
FL	55	14.1

S. 1/4 Meredith

FL	55	14.1
c	55	14.1
1/4	53	14.3
1/2	48	14.6
1/4	47	14.9
c	48	14.8
W.L.	50	14.6

POSTED

1959

Center Line Meredith

W/L	4.8	14.8
c	4.8	14.8
1/4	4.9	14.7
1/2	4.8	14.8
3/4	5.6	14.0
c	5.5	14.1
EL	5.5	14.1

N 1/4 Meredith

EL	5.1	14.2
c	5.4	14.2
1/4	5.5	14.1
1/2	5.2	14.4
3/4	5.0	14.6
c	4.9	14.7
W/L	4.9	14.7

1959

N.C. Line Meredith ST 57

W/L	5.0	14.6
c	4.8	14.8
1/4	5.1	14.5
1/2	5.4	14.2
3/4	5.6	14.0
c	5.5	14.1
EL	5.4	14.2

N Line Meredith ST

EL	5.46	14.13
c	5.6	14.0
1/4	5.4	14.2
1/2	5.6	14.0
3/4	5.1	14.5
c	4.8	14.8
W/L	4.9	
T.P.	4.26	18.47
	5.76	14.13

POSTED

18.49

50' N Meredith St

WL	3.5	13.0
c	3.6	14.9
1/2	3.8	14.7
2/3	4.1	14.4
1/4	4.6	13.9
c	4.5	14.0
EL	4.5	14.0

100' N Meredith

EL	4.8	13.7
c	4.7	13.8
1/2	4.6	13.9
2/3	4.6	13.9
1/4	4.0	14.5
c	4.0	14.5
WL	3.9	14.6

18.49

150' N Meredith St

58

WL	3.8	14.7
c	4.0	14.5
1/2	4.2	14.3
2/3	4.6	13.9
1/4	4.5	14.0
c	4.9	13.6
EL	4.8	13.7

200' N Meredith - Spine 70' out

EL	4.9	13.55
c	4.6	13.9
1/2	4.7	13.8
2/3	4.5	14.0
1/4	4.2	14.3
c	3.9	14.6
WL	3.6	14.9

POSTED

1879

Scott

208' No of Meredith = Pueblo line

W.L.	3.9	14.6
✓	3.8	14.7
1/4	4.2	14.3
1/2	4.7	13.8
1/4	4.8	13.7
✓	4.7	13.8
EH	4.9	13.6

171 Clough
108 Col bath
108 119 121

Section of Shafter St from
So Pueblo line of Roseville to
Northern Pueblo line of Roseville

59

12.4 12.79 11.55
B.M. 2.63 4.34 11.08 1.71 11.55
Hut 5 W. Cor
1/2 by Scott

Pueblo line 30' So of 1st St

W.L.	4.34	2.2	2.1
✓		2.4	1.9
1/2		2.7	1.6
1/4		3.0	1.3
1/2		3.2	1.1
✓		3.4	0.9
EH		3.5	0.8

So line of 1st St Addison St go

EH	4.1	0.2
✓	4.0	0.3
1/4	3.8	0.5
1/2	3.5	0.8
1/4	3.2	1.1
✓	2.9	1.4
W.L.	2.7	1.6

PLOTTED

POSTED

4.34
S. Curb line of 1st St

W/L	2.7	1.6
c	3.0	1.3
1/4	3.3	1.1
2	3.7	0.6
1/4	4.0	0.2
c	4.1	0.2
E/L	4.2	0.1

S 1/4 of 1st St

E/L	4.4	-0.1
c	4.2	0.1
1/4	4.0	0.3
2	3.7	0.6
1/4	3.2	1.1
c	2.8	1.5
W/L	2.7	1.6

PLOTTED

Shafter
Center line 1st St

60

W/L	2.3	2.0
c	2.4	1.9
1/4	2.4	0.9
2	2.0	0.3
1/4	2.3	0.0
c	2.6	-0.3
E/L	2.7	-0.3

N 1/4 1st St

E/L	2.9	-0.6
c	2.5	-0.2
1/4	2.3	0.0
2	2.8	0.5
1/4	3.0	1.3
c	2.7	1.6
W/L	2.7	1.6

POSTED

734
N. Cline 1st St

WL	3.2	1.1
c	3.5	0.8
1/4	3.8	0.5
1/2	4.2	0.1
3/4	4.5	-0.2
c	4.8	-0.5
FL	5.0	-0.7

11 Line 1st St

FL	5.0	-0.7
c	4.6	-0.3
1/4	4.4	-0.1
1/2	4.3	0.0
3/4	3.7	0.6
c	3.7	0.6
WL	3.2	1.1

PLOTTED

Shaffer
50' N of 1st St

61

WL	3.7	0.6
c	4.2	0.1
1/4	4.5	-0.2
1/2	4.8	-0.5
3/4	5.2	-0.9
c	5.4	-1.1
FL	5.6	-1.3

100' N 1st St

FL	5.9	-1.6
c	5.5	-1.2
1/4	5.4	-1.1
1/2	5.0	-0.7
3/4	5.0	-0.7
c	4.8	-0.5
WL	4.4	-0.1

POSTED

434

150' N 1st St

WL	4.8	-0.5
c	5.0	-0.7
1/4	5.5	-1.2
1/2	5.8	-1.5
3/4	5.8	-1.5
c	6.2	-1.9
EL	6.5	-2.2

200' N 1st St - S line 2nd Byron

EL	7.1	-2.8
c	6.8	-2.5
1/4	6.9	-2.0
1/2	5.9	-1.6
3/4	5.5	-1.2
c	5.5	-1.2

WL		5.0	-0.7	
T.P.	3.18	2.83	2.79	-0.65

PLOTTED

2.83

Shafter

So C. line 2nd St

62

WL	3.5	-0.7
c	3.7	-0.9
1/4	4.2	-1.4
1/2	4.6	-1.8
3/4	4.7	-1.9
c	5.3	-2.5
EL	5.5	-2.7

So 1/4 2nd St.

EL	5.7	-2.6
c	5.3	-2.5
1/4	4.9	-2.1
1/2	4.7	-1.9
3/4	4.1	-1.3
c	3.8	-1.0
WL	3.6	-0.8

POSTED

283

Centerline 2nd St

WL	4.1	-1.3
o	4.1	-1.3
14	4.6	-1.8
o	4.8	-2.0
14	5.0	-2.2
o	5.5	-2.7
EL	5.5	-2.7

N 1/4 2nd St

EL	5.7	-2.9
o	5.3	-2.5
14	5.3	-2.5
o	4.9	-2.1
14	4.7	-1.9
o	4.3	-1.5
WL	4.1	-1.3

PLOTTED

283

Shaffer

63

N 1/4 line 2nd St

WL	4.2	-1.4
o	4.6	-1.8
14	4.6	-1.8
o	4.8	-2.0
14	5.1	-2.3
o	5.5	-2.7
EL	5.9	-3.1

N line 2nd St

EL	6.1	-3.3
o	5.6	-2.8
14	5.2	-2.4
o	4.9	-2.1
14	4.7	-1.9
o	4.6	-1.8
WL	4.2	-1.4

POSTED

283

50' N 2nd St

WL	4.7	-1.9
c	5.0	-2.2
1/4	5.6	-2.8
1/2	5.7	-2.9
3/4	6.5	-3.7
c	6.7	-3.9
FL	6.6	-3.8

100' N 2nd St

FL	6.2	-3.5
c	5.9	-3.1
1/4	5.9	-3.1
1/2	5.8	-3.0
3/4	5.2	-2.4
c	5.2	-2.4
WL	5.1	-2.3

PLOTTED

283

Shafter

64

150' N 2nd St

WL	5.3	-2.5
c	5.8	-3.0
1/4	6.0	-3.2
1/2	6.0	-3.2
3/4	6.5	-3.7
c	6.7	-3.9
FL	7.0	-4.2

200' N - 2nd - S line 3rd Carleton St

FL	5.6	-3.0
c	5.6	-2.8
1/4	6.4	-3.6
1/2	7.2	-4.4
3/4	5.6	-2.8
c	5.6	-2.8
WL	5.33	-2.50

POSTED

2.83

So Curb line 3rd St

NL	5.4	-2.6
c	5.5	-2.7
1/4	5.4	-2.6
2	6.6	-3.8
1/4	6.9	-4.1
c	5.8	-3.0
FL	6.3	-3.5

So 1/4 3rd St

FL	5.7	-3.9
c	6.4	-3.6
1/4	7.2	-4.4
2	6.6	-3.8
1/4	6.3	-3.5
c	5.6	-2.8
NL	5.4	-2.6

PLOTTED

2.83

Shafter

65

Center line 3rd St

NL	5.4	-2.6
c	5.5	-2.7
1/4	6.2	-3.4
2	6.7	-3.9
1/4	7.1	-4.3
c	6.5	-3.7
FL	5.6	-2.8

N 1/4 3rd St

FL	5.6	-2.8
c	6.8	-4.0
1/4	6.8	-4.0
2	6.6	-3.8
1/4	6.8	-4.0
c	5.6	-2.8
NL	5.5	-2.7

PLOTTED

2.83

No Curb line 3rd St

WL	5.6	-2.8
c	6.4	-3.6
1/4	6.7	-3.9
2	6.7	-3.9
1/4	6.9	-4.1
c	6.8	-4.0
EL	6.2	-3.5

No line of 3rd St

EL	6.3	-3.5
c	6.0	-3.2
1/4	7.0	-4.2
2	7.2	-4.4
1/4	6.7	-3.9
c	6.8	-4.0
WL	5.7	-2.9

PLOTTED

2.83

Shafter 66

50' N 4th St - W of Bay

WL	7.5	-4.7
----	-----	------

100' N 4th St - W of Bay

WL	5.5	-2.7
----	-----	------

So line 11th St (Keats) R.M. hub
NW Cor
Seott 11th

WL	3.13	6.4	-3.3
----	------	-----	------

c	6.4	-3.3
---	-----	------

1/4	6.0	-2.9
-----	-----	------

2	6.7	-3.3
---	-----	------

1/4	7.5	-4.4
-----	-----	------

c	8.1	-5.0
---	-----	------

EL	8.3	-5.2
----	-----	------

So Curb 11th St

EL	8.3	-5.2
----	-----	------

c	7.8	-4.7
---	-----	------

1/4	7.2	-4.1
-----	-----	------

2	6.0	-2.9
---	-----	------

1/4	6.0	-2.9
-----	-----	------

c	6.3	-3.2
---	-----	------

WL	6.9	-3.3
----	-----	------

POSTED

313

So 1/4 11 7/8

WK	6.2	-3.1
c	5.9	-2.8
1/4	5.7	-2.6
2	5.8	-2.7
1/4	5.6	-2.5
c	7.6	-4.5
FK	8.1	-5.0

Center Line 11 7/8

FK	7.8	-4.7
c	6.9	-3.8
1/4	5.5	-2.4
2	5.3	-2.2
1/4	5.4	-2.3
c	5.6	-2.5
WK	5.8	-2.7

PLOTTED

Shafter

67

N 1/4 11 7/8 St

WK	5.7	-2.6
c	5.4	-2.3
1/4	5.2	-2.1
2	5.4	-2.3
1/4	5.4	-2.3
c	6.7	-3.6
FK	7.6	-4.5

N.C. Line 11 7/8

FK	7.0	-3.9
c	5.2	-2.1
1/4	5.3	-2.2
2	5.3	-2.2
1/4	5.1	-2.0
c	5.2	-2.1
WK	5.4	-2.3

POSTED

3.13

N. line 11 7/8 St

WL	4.97	-1.84
c	4.8	-1.7
1/4	4.9	-1.8
1/2	4.9	-1.8
3/4	4.9	-1.8
c	4.8	-1.7
EL	4.9	-1.8

50' N 11 7/8 St

EL	3.9	-0.8
c	4.0	-0.9
1/4	3.7	-0.6
1/2	4.0	-0.9
3/4	4.1	-1.0
c	4.0	-0.9
WL	4.2	-1.1

PLOTTED

3.13

Shatter

68

100' N 11 7/8 St

WL	3.0	0.1
c	3.0	0.1
1/4	3.0	0.1
1/2	3.1	0.0
3/4	3.1	0.0
c	3.0	0.1
EL	2.8	0.3

150' N 11 7/8 St

EL	2.6	0.5
c	2.5	0.6
1/4	2.6	0.5
1/2	2.6	0.5
3/4	2.8	0.3
c	2.7	0.4
WL	2.8	0.3

POSTED

200' N 1/4 = S line 12th for Lowell

WL	2.6	0.5
c	2.4	0.7
1/4	2.7	0.4
2	2.1	0.7
1/4	2.3	0.8
c	2.2	0.9
EL	2.3	0.8

So C. line 12th

EL	2.3	0.8
c	2.2	0.9
1/4	2.3	0.8
2	2.5	0.6
1/4	2.6	0.5
c	2.8	0.3
WL	2.4	0.7

PLOTTED

So 1/4 12th St

WL	2.8	0.3
c	2.8	0.3
1/4	2.7	0.4
2	2.8	0.3
1/4	2.5	0.6
c	2.6	0.5
EL	2.6	0.5

Center line 12th

EL	2.2	0.9
c	2.2	0.9
1/4	2.5	0.6
2	2.3	0.8
1/4	2.2	0.9
c	2.5	0.6
WL	2.7	0.4

POSTED

313

N 1/4 12th St

WL	3.0	0.1
c	2.9	0.2
H	2.8	0.3
φ	2.7	0.4
H	2.7	0.4
c	2.5	0.6
EL	2.4	0.7

N. @ line 12th

EL	2.9	0.2
c	2.8	0.3
H	2.6	0.5
φ	2.7	0.4
H	2.9	0.2
c	3.0	0.1
WL	3.0	0.1

PLOTTED

313

Shaffer 70

No line 12th St

T.P.	4.26	4.46	2.93	0.20
WL			4.2	0.3
c			4.0	0.5
H			3.9	0.6
φ			4.1	0.4
H			3.9	0.6
c			3.7	0.8
EL			3.6	0.9

50' N 12th

EL	4.6	-0.1
c	4.6	-0.1
H	4.5	0.0
φ	4.6	-0.1
H	4.6	-0.1
c	5.0	-0.5
WL	5.2	-0.7

PLOT POSTED

446

100' N 12 1/4 S 1

WL	5.9	-1.4
c	5.9	-1.4
1/4	6.4	-1.9
ϕ	7.8	-0.7
1/4	5.8	-1.3
c	5.5	-1.0
EL	5.5	-1.0

150' N 12 1/4

EL	6.6	-2.1
c	6.7	-2.2
1/4	7.2	-2.7
ϕ	6.0	-1.5
1/4	7.5	-3.0
c	8.1	-3.6
WL	6.8	-2.3

PLOTTED

Shafter

71

200' N - 12 1/4 - S line Macaulay 13 1/4

WL	6.5	-2.0
c	7.0	-2.5
1/4	7.0	-2.5
ϕ	7.2	-2.7
1/4	7.0	-2.8
c	7.2	-2.7
EL	7.3	-2.8

N line 13 1/4

EL	8.1	-3.6
c	8.0	-3.5
1/4	7.8	-3.3
ϕ	7.7	-3.2
1/4	7.5	-3.0
c	7.3	-2.8
WL	7.2	-2.7

POSTED

50° N 13 1/4

W.L.	7.8	-2.8
c	7.7	-3.2
1/4	7.8	-3.3
ϕ	8.0	-3.5
1/4	7.9	-3.4
c	8.0	-3.5
FL	8.5	-3.8

100° N 13 1/4

FL	8.6	-4.1
c	8.5	-4.0
1/4	8.3	-3.8
ϕ	8.3	-3.8
1/4	8.1	-3.6
c	8.3	-3.8
W.L.	8.3	-3.8

PLOTTED

150° N 13 1/4 S1

W.L.	8.5	-4.0
c	8.6	-4.1
1/4	8.6	-4.1
ϕ	8.6	-4.1
1/4	8.6	-4.1
c	8.7	-4.2
FL	8.7	-4.2

200° N 13 1/4 = S (side 14 1/4) (Newell)

FL	8.7	-4.2		
c	8.7	-4.2		
1/4	8.6	-4.1		
ϕ	8.6	-4.1		
1/4	8.6	-4.1		
c	8.6	-4.1		
W.L.	8.5	-4.0		
7.7	8.50	2.71	8.30	-3.84

PLOTTED

271

N line 14th St

WL	6.7	-4.0
c	6.8	-4.1
1/4	6.7	-4.0
φ	6.9	-4.2
1/4	6.9	-4.2
c	6.9	-4.2
EL	6.9	-4.2

50' N 14th

EL	7.0	-4.3
c	6.8	-4.1
1/4	6.7	-4.0
φ	6.7	-4.0
1/4	6.6	-3.9
c	6.6	-3.9
WL	6.4	-3.7

PLOTTED

271

Shafter

73 4

100' N 14th

WL	6.1	-3.4
c	6.1	-3.4
1/4	6.3	-3.6
φ	6.7	-4.0
1/4	6.7	-4.0
c	7.0	-4.3
EL	7.0	-4.3

150' N 14th

EL	7.2	-4.5
c	7.1	-4.4
1/4	7.0	-4.3
φ	7.0	-4.3
1/4	6.7	-4.0
c	6.6	-3.9
WL	6.5	-3.8

POSTED

2.71

200' N 14th = S line 15th Olyphant

WL	6.6	-3.9
c	6.8	-4.1
1/4	6.5	-4.1
Q	6.9	-4.2
1/4	6.9	-4.2
c	7.0	-4.3
EL	7.2	-4.5

N line 15th St

EL	7.6	-4.9
c	6.5	-3.8
1/4	6.9	-4.2
Q	6.8	-4.1
1/4	6.7	-4.0
c	6.7	-4.0
WL	6.7	-4.0

PLOTTED

2.71

Shafter 74

50' N 15th St W line Bay

WL	6.1	-3.7
----	-----	------

100' N 15th St W line Bay

WL	8.2	-5.5
1.06	23.27	8.2
3.73	11.32	8.2
S of line of Dumas (30 th) = 70'		

WL	15.38	6.0	9.4
c		6.2	9.2
1/4		6.3	9.1
Q		6.6	8.8
1/4		6.6	8.8
c		7.0	8.4
EL		7.8	8.1

S. C line Dumas St

EL	7.0	8.4
c	6.8	8.6
1/4	6.9	8.5
Q	6.5	8.9
1/4	5.6	9.8
c	5.6	9.8
WL	6.0	9.4

PLOTTED

15.38

So 1/4 Dumas St

WL	6.1	9.3
c	6.2	9.1
1/4	6.0	9.4
Q	6.5	8.9
1/4	6.6	8.8
c	6.6	8.8
FK	6.7	8.7

Centerline Dumas

FK	6.7	8.7
c	6.7	8.7
1/4	6.4	9.0
Q	6.2	9.2
1/4	6.2	9.2
c	6.2	9.2
WL	5.7	9.5

PLOTTED

15.38

Shafter

75

N 1/4 Dumas St

WL	5.7	9.7
c	6.3	9.1
1/4	6.0	9.4
Q	6.2	9.2
1/4	6.5	8.9
c	6.7	8.7
FK	7.0	8.4

N.C. line Dumas

FK	7.0	8.4
c	6.7	8.7
1/4	6.3	9.1
Q	6.0	9.4
1/4	6.4	9.0
c	6.3	9.1
WL	5.9	9.5

POSTED

15.38

N. line Dumas St

WL	5.9	9.5
c	6.2	9.2
1/4	6.5	8.9
2	6.0	9.4
1/4	6.5	8.9
c	6.5	8.9
FL	6.6	8.8

50' N. Dumas St

FL	6.8	8.6
c	6.7	9.0
1/4	6.7	8.7
2	6.3	9.1
1/4	6.1	9.3
c	5.5	9.9
WL	5.4	10.0

PLOTTED

15.38

Shafter

76

100' N Dumas St

WL	5.2	10.2
c	5.5	9.9
1/4	5.6	9.8
2	6.3	9.1
1/4	6.0	9.4
c	6.9	8.5
FL	6.4	9.0

150' N. Dumas St

FL	7.0	8.4
c	6.5	8.9
1/4	6.3	9.1
2	5.7	9.7
1/4	5.3	10.1
c	5.2	10.2
WL	5.0	10.4

POSTED

15.38

200' N. Dumas = S. line Elliott St ^(90°) _(315°)

WL	4.2	11.2
c	4.5	10.9
1/4	4.9	10.5
1/2	5.2	10.2
3/4	5.6	9.8
c	6.2	9.2
FL	6.4	9.0

So. C Line Elliott St

FL	6.4	9.0
c	6.0	9.4
1/4	5.3	10.1
1/2	5.0	10.4
3/4	4.6	10.8
c	4.3	11.1
WL	4.0	11.4

PLOTTED

15.38

Shafter

77

So 1/4 Elliott St

WL	3.8	11.6
c	4.2	11.2
1/4	4.6	10.8
1/2	4.9	10.5
3/4	5.2	10.2
c	5.8	9.6
FL	6.3	9.1

Center Line Elliott St

FL	5.9	9.5
c	5.4	10.0
1/4	5.1	10.3
1/2	4.7	10.7
3/4	4.4	11.0
c	4.0	11.4
WL	3.6	11.8

POSTED

15.38

N 1/4 Elliott St

W.L.	3.5	11.9
c	3.8	11.6
1/4	4.0	11.4
2	4.5	10.9
1/4	4.9	10.5
c	5.3	10.1
EL	5.9	9.5

N 1/2 Elliott St

EL	5.3	10.1
c	5.0	10.4
1/4	4.9	10.5
2	4.4	11.1
1/4	4.0	11.4
c	3.6	11.8
W.L.	3.4	12.0

PLOTTED

15.38

Shafter

78

N 1/2 Elliott St

W.L.	3.1	12.3
c	3.6	11.8
1/4	4.1	11.3
2	4.5	10.9
1/4	4.8	10.6
c	4.9	10.5

EL	4.90	17.30	5.2	12.40	BM NW Cor Shafter & Elliott
50' N. Elliott St					

EL	17.30	6.5	10.8
c		6.7	10.9
1/4		6.1	11.2
2		5.5	11.8
1/4		5.3	12.0
c		4.9	12.4
W.L.		4.6	12.7

POSTED

17.30

100' N. Elliott St

W.L.	15	12.9
☉	18	12.5
1/4	5.1	12.2
☽	5.5	11.8
1/4	5.7	11.6
☉	6.0	11.3
FL	6.3	11.0

150' N. Elliott St

FL	5.3	12.0
☉	5.1	12.2
1/4	4.9	12.4
☽	4.6	12.7
1/4	4.3	13.0
☉	4.0	13.3
W.L.	3.8	13.5

PLOTTED

17.30

Shafter St

79

200' N. Elliott = S. Freeman St

W.L.	2.7	14.6
☉	3.0	14.3
1/4	3.3	14.0
☽	3.6	13.7
1/4	4.0	13.3
☉	4.2	13.1
FL	4.5	12.8

So. C. Freeman St

FL	4.3	13.0
☉	4.0	13.3
1/4	3.7	13.6
☽	3.4	13.9
1/4	3.0	14.3
☉	2.7	14.9
W.L.	2.5	14.8

PLOTTED

17.30

Sol's Freeman St

WL	2.4	14.9
c	2.8	14.5
W	3.0	14.3
Q	3.3	14.0
W	3.7	13.6
c	3.7	13.6
FL	4.3	13.0

Centerline Freeman

FL	4.2	12.1
c	3.7	13.6
W	3.5	13.8
Q	3.0	14.3
W	2.6	14.7
c	2.7	14.9
WL	2.1	15.2

PLOTTED

17.30

Shaffer

80

No. 14 Freeman St

WL	1.9	15.4
c	2.3	15.0
W	2.5	14.8
Q	2.9	14.4
W	3.3	14.0
c	3.7	13.6
FL	4.0	13.3

No. C. Line Freeman

FL	4.0	13.3
c	3.7	13.6
W	3.3	14.0
Q	2.8	14.5
W	2.5	14.8
c	2.2	15.1
WL	1.7	15.6

POSTED

17.30

No. line Freeman St

W.L	1.83	15.47
c	2.2	15.1
1/4	2.6	14.7
1/2	3.1	14.2
3/4	3.5	13.8
c	3.8	13.5
F.h	4.0	13.3

Cont in Book #434

PLOTTED

POSTED

271
 117
 154
 683
 665
 248
 2580
 1176

Byron
 Carleton
 Dickens
 Emerson
 Fendler
 Goethe
 Hugo
 Ingelow
 Jarvis
 Keats
 Lowell
 Lowell
 Macaulay
 Newell
 Phillips
 Pol
 Quincy

Addison
 Byron
 Carleton
 Dickens
 Emerson
 Fendler
 Goethe
 Hugo
 Ingelow
 Jarvis
 Keats
 Lowell
 Macaulay
 Newell
 Phillips
 Pol
 Quincy

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TRAVERSE TABLE FOR TRANSIT BOOK.
From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							