

Field Book
Arcton

9

TRANSIT

F.B. 690

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.....	2½	21.....	49	41.....	95½
2.....	4½	22.....	51½	42.....	98
3.....	7	23.....	53½	43.....	100½
4.....	9½	24.....	56	44.....	102½
5.....	11½	25.....	58½	45.....	105
6.....	14	26.....	60½	46.....	107½
7.....	16½	27.....	63	47.....	109½
8.....	18½	28.....	65½	48.....	112
9.....	21	29.....	67½	49.....	114½
10.....	23½	30.....	70	50.....	116½
11.....	25½	31.....	72½	51.....	119
12.....	28	32.....	74½	52.....	121½
13.....	30½	33.....	77	53.....	123½
14.....	32½	34.....	79½	54.....	126
15.....	35	35.....	81½	55.....	128½
16.....	37½	36.....	84	56.....	130½
17.....	39½	37.....	86½	57.....	133
18.....	42	38.....	88½	58.....	135½
19.....	44½	39.....	91	59.....	137½
20.....	46½	40.....	93½	60.....	140

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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	Angle.	Cor. in links.	Angle.	Cor. in links.	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	1-21	16	4-02	23	8-64	30	15-47
10	1-55	17	4-56	24	9-47	35	22-07

1

127

115						
112						
740						
760						
780						
800						
820						
840						
860						
880						
900						
920						
940						
960						
980						
1000						
1020						
1040						
1060						
1080						
1100						

10	10				
+20					
+65					
+90					
165					
+100					
+50					
+90					
135					
+40					

The image shows an open notebook with two pages. The pages are a light tan or yellowish color and feature a faint grid pattern. The left page is divided into five vertical columns by four red lines. The right page has a single vertical red line near the left edge. In the top right corner of the right page, the number '6' is printed in a small, dark font. The notebook is placed on a white surface, and the background to the left is black.

Mantules Atlantic St

P.m.	+	W.K.	-	Elev
------	---	------	---	------

2.39

5.39

8.00

~~1.60~~

3.79

1.00

L.B.M.

72 Arctic Lt Ref 41-17-88

8

Sta	+	Hi-	-	Cl-
Bm	571	8.67		2.96
b			5.25	3.42
+25			5.08	3.59
+50			4.78	3.89
+75			4.49	4.18
6			4.48	4.19
+25			4.57	4.10
+50			4.39	4.29
+75			4.19	4.48
7			4.00	4.67
+25			3.77	4.90
+50			3.55	5.12
+75			3.41	5.26
8+125			3.18	5.59
+50			3.07	5.60
Bm	Hi83	11.80	1.70	6.97
+75			6.12	5.68
9			5.93	5.87
+25			6.19	5.61
+50			5.84	5.96

4.64
2.96
 7.64
3.50
 4.14

6.97
2.83
 9.80
5.57
 4.23

Arctic Lt Ref 41-19-88

LBM

1-19-88

9

W.T. Arctic St. N.H. H

Sta	+	Hd	-	Elev
9+75		11.80	5.68	6.12
10			5.48	6.32
+25			5.23	6.57
+50			5.23	6.57
+75			5.10	6.70
11			4.97	6.83
+25			4.85	6.95
+50			4.58	7.22
+875			4.44	7.36
12+25			4.10	7.70
B.M.			4.22	7.58
+50			3.78	8.02
+75			3.66	8.14
13			3.32	8.48
+25			3.30	8.50
+50			3.10	8.70
+75			3.05	8.75
14			3.04	8.76
B.M.				

S.T. St.
 H.H.
 N.Z. H.H.
 St. F. + Arctic

Valle

1-23-88

10

WIZ Arctic St-Noy H

Sta + H.M. - El

B.M.	6.90	14.48		7.54
14			5.73	8.75
+25			5.62	8.86
+50			5.33	9.15
+75			5.06	9.42
15			5.17	9.31
+25			4.53	9.95
B.M.	0.87	13.06	2.29	12.19
B.M. check			5.53	7.53
B.M.	3.70	15.89		12.19
+50			6.27	9.62
+75			5.36	10.53
16			5.33	10.56
+25			5.47	10.42
+50			5.30	10.59
B.M.	4.53	17.02		12.19
+75			6.14	10.85
17			6.26	10.76
+25			6.47	10.55

Arctic + E. N.W. M-K Pass

South line D.Ot

Arctic + S. of top Snow Pass
 California + S. S.E. St. Lien Pass
 Arctic + D.Ot

North line of D.Ot

1/27 Santa Clara Co.

date	+	H ₂ O	-	Obs
1750		17.02	6.42	10.60
+75			6.91	10.71
18			6.06	10.96
+75			5.80	11.22
+50			5.76	11.26
+75			6.19	10.83
19+			6.09	11.93
+20			5.92	11.10
+40			5.90	11.12
+60			5.73	11.29
280			6.03	10.99
20			5.95	11.07
BM			2.44	14.58
BM	1.62	16.21		14.59
+25			5.14	11.07
+50			5.02	11.19
+75			4.94	11.27
21			4.76	11.45
+25			4.74	11.47

SZ CM

CM

NZ CM

11.11
01.11

7/29 Arctic St. about 20

St. 6	+	89	-	file	
150		16.21	4.85	11.36	
175			4.93	11.26	
22			4.85	11.36	
+25			4.67	11.54	
+50			4.60	11.61	
+75			4.66	11.66	
23			4.70	11.51	
+20			4.77	11.44	
+40			4.63	11.59	
+60			4.29	11.92	
+80			4.43	11.78	
Bm			5.15	11.06	11.05
Bm	5.43	16.48		11.05	
24+05			5.06	11.42	
+30			5.06	11.42	
+55			5.04	11.44	
+90			4.92	11.56	
25+05			5.07	11.41	
+30			4.94	11.59	

S. L. B. S.

B. S.

N. L. B. S.

B. S. Arctic

1/24 Arctic about B

W. H. C. H.

Sta		H ₂	-	Elev
+35		16.44	3.04	11.40
+80			4.83	11.63
26+05			5.01	11.97
+80			4.74	11.70
+35			4.57	11.94
+80			3.82	12.66
Bm			1.63	14.45
Bm	5.07	19.94		14.47
27			6.42	13.12
720			6.50	13.44
+90			6.52	13.92
+60			6.15	13.79
+85			6.22	13.72
28+10			5.83	14.11
+35			5.67	14.27
+60			5.29	14.63
+85			4.79	15.13
29+10			4.57	15.37
+35			4.38	15.56

S. L. A. S.

A. S.

K. L. S.

Sta	+	KG	-	Clav	B
29+60		19.94	4.07	15.87	
195			5.43	16.09	
30+10			3.56	16.38	
+35			3.44	16.50	
+60			3.26	16.68	
Bm			4.57	11.37	11.36
A low Stok Sh					
Bm	6.44	23.71		17.23	
0					
+10					
+20			7.96	15.75	
+30			8.10	15.69	
+40			7.56	16.15	
+50			6.62	17.09	
+57			6.25	17.46	
+67			6.06	17.65	
+92			5.76	17.95	
+ 17			5.58	18.13	
+ 42			5.23	18.48	
+ 67			5.06	18.65	

S. J. Ash Sh

Levels above Ash on Arctic

Sta	+	HD	-	Clv	
+92		23.71	4.56	19.15	
2+17			4.13	19.64	
+42			3.88	19.88	
+67			3.44	20.27	
+92			3.36	20.36	
3+17			3.18	20.53	
+42			2.95	20.76	
+62			2.67	21.04	
+82			2.04	21.67	
4+02			2.03	21.69	
+22			2.38	21.79	
B.M.	3.98	27.68	0.01	23.70	20.67
+47			6.23	21.95	
+72			5.76	21.92	
+97			5.63	22.05	
5+22			5.37	22.31	
+47			4.85	22.93	
+72			4.60	23.08	
+97			4.29	23.39	

S. L. Beach St

Beach St

N. L. Beach St

Levels above bedas on date

Sta	+	H.I.	-	6.lev
6+22		27.68	3.68	24.00
+47			3.02	24.66
+72			2.79	24.99
+97			2.95	26.23
7+22			2.22	25.46
Bln	10.17	26.22		16.05
#	10.26	34.75	1.73	24.49
Bln			5.67	29.08
+42			8.86	33.89
+62			8.01	26.79
+82			8.10	26.65
8+02			7.71	27.08
+27			7.46	27.29
+52			7.21	27.54
+77			6.85	27.90
9+02			6.74	27.97
+27			6.82	27.93
+52			6.77	27.99
+77			6.85	27.90
0+02			6.71	28.04

S.L. bedas

bed & bedas

Arche & bedas

bedas st

N.L. bedas

Stn.	+	RD	-	Ch
+27		3475	6.89	27.21
+52			6.60	28.15
+77			6.29	28.97
11+02			5.89	28.87
#	210	29.50	7.33	27.40
#	619	24.34	11.35	18.15
			7.33	17.01
Bm	4.00	35.05		31.05
+22			5.80	29.25
+42			5.62	29.43
+62			5.46	29.59
+82			5.41	29.64
12+17			4.98	30.07
+32			4.85	30.20
+57			4.75	30.30
+82			4.44	30.61
13+17			4.51	30.54
+32			4.20	30.85
+57			3.75	31.30
+92			3.74	31.31

S I Bote st

Bike & Bote

Bote st

S I Bote

14117		33.05	3.63	31.42
+32			3.34	31.71
+57			3.12	31.83
+92			2.62	32.45
15117			2.38	32.67
+32			1.83	33.22
#	4.84	37.49	2.40	32.65
130m			2.13	35.36

S. L. Fin

Arctic & Fin

Arctic S Group

Sta	+	HO	-	Obs
	2.61	37.97		35.36
0				
+10			12.11	25.86
+20			9.39	29.59
+30			6.23	31.74
+40			5.84	32.13
+50			5.77	32.20
+57			5.80	32.17
+67			5.94	31.99
+82			5.51	32.46
+17			5.73	32.24
+42			5.42	32.55
+57			4.89	33.08
+82			4.68	33.29
2+17			4.68	33.29
+42			4.45	33.52
+57			4.45	33.52
+82			4.59	33.38
3+17			4.58	33.39
+42			4.53	33.44
BM			8.94	29.03

Arctic above base

Stn	+	H ₂ O	-	Blu
Blm	6.77	37.80		29.03
110			7.86	29.99
120			6.64	31.16
+30			5.12	32.68
+40			4.65	33.15
+51			4.90	32.90
+57			4.82	32.94
+67			4.83	32.97
+92			4.80	33.00
1+17			4.86	32.94
+42			4.83	32.97
767			4.42	32.94
+92			4.92	32.88
2+17			5.13	32.67
+42			5.24	32.56
+67			5.33	32.23
+92			5.67	32.13
3+17			5.43	32.37
+42			5.93	31.87
Blm			7.92	29.88

29.99

0.92 V²V²

S. L. Hawthorn

Deal to Metro on Jumper

St.	+	H9	-	Clv
1801	11.56	29.59		18.03
30+66			9.43	20.10
+81			9.37	21.22
31+06			6.79	22.90
+31			3.72	23.87
+56			4.83	24.76
+81			4.64	24.91
+96			4.93	24.66
32+06			4.47	24.72
+17			4.44	24.75
+27			4.22	25.37
+38			3.97	25.62
+48			3.41	26.18
+59			3.20	26.39
+69			2.52	27.07
#	9.06	35.01	3.64	25.35
+80			3.64	29.37
+90			5.70	29.31
33			6.83	28.18
+14			7.41	27.60

PT
 Jumper W
 PC
 Burn Jumper Sports
 PT

Arctic S of Jumper

Stc	+	H 9	-	Bliv
33+29		35.01	5.30	27.63
+54			7.14	27.97
+79			6.33	28.64
34+04			5.08	29.93
+29			4.39	30.42
+54			4.05	30.96
+79			3.22	31.79
35+04			3.66	31.33
+29			4.06	30.95
+54			4.40	30.21
+79			4.96	30.11
+99			4.47	30.14
36+19			4.59	30.42
+29			5.84	29.17
+59			6.31	28.70
#	6.21	36.43	4.79	30.22
+84			7.73	28.70
37+09			7.23	29.20
+34			6.45	29.98
+59			5.95	30.44

N 2 J my st

J my st

S 2 J my st

Arctic S of Jumper

Stn	+	H ₂	-	Cl ₂	
184		36.43	5.66	30.77	
38+09			5.56	30.47	
+34			5.73	30.20	
+59			5.36	30.47	
+89			6.24	30.15	
39+09	✓		6.00	30.43	
+34			6.40	29.63	
+59			6.04	30.35	
Bl _n			6.53	29.90	99.89

N Linn Hawthorn

Local St. N. Ash
 Stc. + HD - Elev

Bm	3.55	19.91		11.96
+10			6.64	8.27
+20			6.87	8.04
+30			5.46	9.45
+40			4.13	10.78
+50			4.35	10.56
+57			4.51	10.40
+67			4.92	9.94
+92			6.25	8.66
1+17			6.15	8.76
+42			6.54	8.37
+67			6.47	8.44
+92			6.64	8.23
2+17			6.33	8.54
+42			5.95	8.96
+67			6.06	8.85
+92			3.51	9.40
3+17			5.67	9.24
+92			5.17	9.74

Local Ash

Local Beech

Cal N Ash

Sta	+	H ₂ O	-	Clor
+62		14.91	3.24	11.67
+82			1.38	13.33
4+02			2.38	12.33
+22			2.99	11.92
#	3.62	17.76	0.77	14.14
130m	5.44	20.62	2.58	15.18
+22			6.94	13.64
+47			7.94	12.64
+72			7.42	12.80
+97			7.80	12.42
5+22			7.72	12.90
+47			7.34	13.24
+72			7.24	13.34
+97			7.04	13.58
6+22			6.74	13.64
+47			6.71	13.91
+72			6.80	13.82
+97			6.90	13.62
7+22			6.54	14.08
134m			4.57	16.05

Beech St

N L Beech

N L Beech

S L Beech

The image shows an open notebook with two pages. The left page is ruled with a grid of light blue lines and features six vertical red lines that create a table with six columns and ten rows. The right page is ruled with a grid of light blue lines, forming a 10x10 grid. The number '26' is printed in the top right corner of the right page. The notebook is placed on a white surface.

The image shows an open notebook with two pages. The left page is ruled with a grid of light blue lines. A red horizontal line is drawn across the top of the page, and six red vertical lines are drawn down the page, creating a table with 6 columns and 15 rows. The right page is also ruled with a grid of light blue lines, forming a 15x15 grid. The number '27' is printed in the top right corner of the right page. The notebook is placed on a white surface.

The image shows an open notebook with two pages. The left page is a ledger page with a grid of red lines. It has a header row at the top, followed by a wide column on the left, and several narrower columns on the right. The right page is a standard grid page with a uniform grid of light blue lines. The notebook is placed on a white surface, and the page number '28' is printed in the top right corner of the right page.

The image shows an open notebook with two pages. The left page is ruled with a grid of light blue lines. A prominent red line runs horizontally across the top of the page, approximately one-third of the way down. Below this red line, there are five vertical red lines that divide the page into six columns of varying widths. The right page is also ruled with a grid of light blue lines, forming a square grid of 15 columns and 15 rows. The number '30' is printed in the top right corner of the right page. The notebook is placed on a white surface.

Ash W Atlantic

Stc	+	HJ	-	Clor
Bm	3.00	9.55		4.55
0			11.04	-1.33
+22			5.73	8.92
+47			5.19	4.36
+72			4.46	5.09
+97			4.80	5.25
+122			3.26	6.29
+47			3.82	5.73
+72			1.44	8.07
#	8.03	16.05	1.53	8.02
+97			8.69	7.36
+122			7.49	8.21
+159.5			5.76	10.59
Bm	6.51	17.87	4.69	11.36
+97			9.36	9.51
+122			6.66	11.21
+47			6.33	11.54
+72			5.81	12.06
+97			5.14	12.69

W Latt

W L bal
bal. St

62 bal

Ash	St	W	Atl	
Stc	+	HO	-	
			Clw	
4+22		17.87	4.56	13.31
+47			3.90	13.97
+72			3.25	14.62
+97			2.67	15.20
8+346			0.76	17.17
Bm	8.80	26.04	0.63	17.24
+72			9.41	16.63
+97			8.31	17.73
6+22			7.85	18.19
+97			7.34	18.70
+72			6.77	19.27
+97			6.39	19.65
7+22			5.80	20.24
+47			4.54	21.50
+72			3.14	23.90
8+095			1.14	24.90
Bm	10.54	32.96	3.66	22.38
+47			7.93	25.53
+72			6.76	26.20
+97			6.03	26.93

750 feet of Pipe

W. L. Arctic
Arctic St

C. L. Arctic

W. L. India
India St

C. L. India

Ash & Atl.

Sta	+	49	-	Clie
9+22		3.2.96	6.37	26.59
+47			5.73	27.23
+72			4.96	28.00
+97			4.61	28.35
10+22			3.37	29.59
+47			2.84	30.08
+445			3.08	29.88
11+22			1.88	31.08
Bm 4.00		36.01	0.95	32.01
+47			4.22	31.79
+72			0.62	32.39
+97			3.34	32.67
12+22			3.26	32.75
+47			3.33	32.68
+72# 2.57		36.51	2.01	34.00
Bm 11.03		43.04	4.50	32.01
+97			6.85	36.19
13+22			6.13	36.91
+595			5.76	37.38
+97			6.17	36.87

W. L. Columbia
Columbia St.
C. L. Columbia

Ash & Columbia

W. L. State St.
State St.
C. L. State St.

Ash @ of State

Sta	+	HD	-	Alu
14+22		43.04	4.39	34.65
+ 47			7.40	35.64
+ 72			5.01	38.03
+ 97			4.73	38.31
15+22			4.61	38.43
+ 47			4.13	38.91
+ 72			3.48	39.36
+ 97			2.76	40.28
			4.20	38.84

W L Kmin 11-

India N of Ash

Stc	+	H9	-	Clav
Bm	9.50	3 1.87		22.37
+ 9.8			8.52	23.35
+ 19.6			4.08	23.79
129.4			7.51	24.35
139.2			7.05	24.42
+ 49			6.92	24.95
759			6.65	25.22
+ 82			6.43	25.44
1707			5.79	26.04
+ 32			5.17	26.70
+ 57			4.66	27.21
+ 82			4.37	27.50
2+ 07			3.73	28.14
+ 32			3.16	28.71
+ 57			2.64	29.19
#	5.92	3 5.78	2.01	29.80
+ 82			6.14	29.64
3+ 07			5.55	30.23
+ 32			5.00	30.78
+ 57			4.28	31.50

FIT

+ 57 N of Ash

S. L. Cedar St.

India St. N of Ash

Stn	+	H ₂ O	-	3 lev
3477		35.78	4.04	31.74
+97			3.95	31.83
4+17			4.20	31.58
+37			4.04	31.74
BM			1.11	34.67
+62			3.72	32.06
+67			3.59	32.39
5+12			3.25	32.53
+57			2.80	32.98
+62			2.35	33.43
+87			2.01	33.77
6+12			1.63	34.15
+37			1.05	34.73
#	4.32	39.24	0.86	34.92
+62			3.93	35.31
+87			3.63	35.61
7+12			3.07	36.17
+37			2.67	36.57
BM			4.31	34.93

Beech

N. S. Beech St.
Beech & IndiaS. S. bedon St.
India & bedon

India St N ash

Stc	+	HO	-	blev
Bm	4.49	44.43		34.94
+57			7.67	36.76
+77			7.62	36.81
+97			7.54	36.89
4+17			7.40	37.03
+42			7.18	37.25
+67			6.79	37.64
+92			6.40	38.03
9+17			5.89	34.64
+42			5.29	39.14
+67			4.47	39.96
+92			3.85	40.54
10+17			3.20	41.23
+42			2.16	42.27
+67			1.44	42.95
+92			1.19	43.24
11+17			0.52	43.91
#	5.40	46.84	0.49	43.44
+37			4.93	43.91
+57			4.96	43.84

bedar sh

N S bedar sh

S S bedar sh

bedar sh

India N Ash

Stc	+	HS	-	blew
11+77		44.84	4.65	44.19
+97			4.53	44.51
12+22			4.30	44.51
+47			4.29	44.53
+72			4.22	44.62
+97			3.83	45.01
13+22			3.53	45.31
+47			3.30	45.51
+72			2.90	45.94
+97			2.69	46.15
14+22			2.44	46.40
+47			2.39	46.45
+72			2.20	46.64
+97			2.14	46.70
15+22			1.99	46.95
+47			2.04	46.80
+72			1.80	47.04
+97			1.77	47.07
16+22			1.43	47.41
B on			1.43	47.01

N L. Date 11

20 S S S Tair Tairuch Tairuk
Tair & India

Columbia St. N. Ash

Sta	+	HD	-	blew
B/M	8.97	40.98		32.01
0			11.07	29.91
+10			10.75	30.23
+20			10.74	30.20
+30			10.34	30.64
+40			9.92	31.06
+50			9.20	31.79
+67			8.55	32.93
+67			7.25	33.73
+92			5.55	35.43
+17			4.40	36.58
+42			3.44	37.54
+67			2.95	39.03
+92			1.77	39.21
2+17			1.34	39.64
+92			0.72	40.26
+67			1.09	39.89
+92			1.48	39.50
3+17			1.93	39.55
+42			1.03	39.95
B/M				40.98

0+42 N.S. Ash

S. L. Beech St.
Columbia S. Beech NW pth Ash

4+10	1.38
+55	2.76
+60	5.99
+85	3.84
3+10	0.24
+55	5.50
+60	9.31
+60	5.58
6	0.98

Columbia St. N of Ast

Sta	+	Alt.	-	Elev
Bm	6.60	47.54		41.94
3+42			7.61	39.97
+62			7.67	39.91
+82			6.85	41.03
4+02			6.93	40.65
+22			6.61	40.97
+47			6.54	41.04
+72			6.26	41.32
+97			5.60	41.98
6+22			41.66	42.92
+47			41.23	43.35
+72			3.63	43.95
+97			2.78	44.80
6+22			1.92	45.66
+47			1.86	45.72
+72			1.37	46.21
+97			0.68	46.90
7+22			0.32	47.26
T.P.	4.70	51.01	1.27	46.31
Bm			2.34	44.63

N. W. Sp. K Post
S. L. Bond

Bond

N. J. Bond

J. J. Carr St

D. C. Carr Bond Board

Sta	+	HO	-	Obs
B.M.	1.18	49.85		48.67
+42			2.86	46.99
+62			2.16	47.69
+82			2.67	47.18
8+02			1.94	47.87
+27			4.00	45.86
+52			5.74	44.07
+77			6.87	42.99
9+02			6.11	43.74
+27			4.55	45.50
+52			3.85	42.02
+77			3.95	45.90
10+02			5.11	44.74
+27			6.09	43.81
+52			5.94	43.91
+77			6.52	43.33
11+02			2.37	47.48
B.M.	10.96	57.81	3.00	46.85
+22				
+42				
+62				

Columbia & Cedar

Cedar St

N. S. Cedar St

J. S. Gate St

B.M. Gate & Coburn

Gate St

Embryos on Arctost.

St	Am	+	HI	-	Clear
BM	+82				
	+9				
	+6				
	+8				
	8+0				
	+2				
	+5				
	+7				
	9+0				
	+2				
	+5				
	+7				
	10+0				
	+2				
	+5				
	+7				
	11+0				
	BM				
	+2				
	+4				
	+6				

N. S. Bute

5781
 485.0
 59.31

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

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Handwritten notes and calculations on the left page of the notebook, including the word "Grades" and various numerical figures and diagrams.