

TABLE IV.—(Continued.)
Corrections for Refraction.

Alt.		Corr.	Alt.		Corr.	Alt.		Corr.
°	'	"	°	'	"	°	'	"
20	0	2 39	30	0	1 40	50	0	0 49
20	10	2 37	30	20	1 39	50	30	0 48
20	20	2 36	30	40	1 38	51	0	0 47
20	30	2 35	31	0	1 37	51	30	0 46
20	40	2 33	31	20	1 35	52	0	0 45
20	50	2 32	31	40	1 34	52	30	0 45
21	0	2 30	32	0	1 33	53	0	0 44
21	10	2 29	32	20	1 32	53	30	0 43
21	20	2 28	32	40	1 31	54	0	0 42
21	30	2 27	33	0	1 29	54	30	0 41
21	40	2 26	33	20	1 28	55	0	0 41
21	50	2 24	33	40	1 27	55	30	0 40
22	0	2 23	34	0	1 26	56	0	0 39
22	10	2 22	34	20	1 25	56	30	0 38
22	20	2 21	34	40	1 24	57	0	0 38
22	30	2 20	35	0	1 23	57	30	0 37
22	40	2 19	35	20	1 22	58	0	0 36
22	50	2 18	35	40	1 21	58	30	0 36
23	0	2 16	36	0	1 20	59	0	0 35
23	10	2 15	36	20	1 19	59	30	0 34
23	20	2 14	36	40	1 18	60	0	0 34
23	30	2 13	37	0	1 17	60	30	0 33
23	40	2 12	37	20	1 16	61	0	0 32
23	50	2 11	37	40	1 15	61	30	0 32
24	0	2 10	38	0	1 14	62	0	0 31
24	10	2 9	38	20	1 13	62	30	0 30
24	20	2 8	38	40	1 13	63	0	0 30
24	30	2 7	39	0	1 12	63	30	0 29
24	40	2 6	39	20	1 11	64	0	0 28
24	50	2 5	39	40	1 10	64	30	0 28
25	0	2 4	40	0	1 9	65	0	0 27
25	10	2 3	40	20	1 8	65	30	0 26
25	20	2 2	40	40	1 8	66	0	0 26
25	30	2 1	41	0	1 7	66	30	0 25
25	40	2 1	41	20	1 6	67	0	0 25
25	50	2 0	41	40	1 5	67	30	0 24
26	0	1 59	42	0	1 5	68	0	0 23
26	10	1 58	42	20	1 4	69	0	0 22
26	20	1 57	42	40	1 3	70	0	0 21
26	30	1 56	43	0	1 2	71	0	0 20
26	40	1 55	43	20	1 2	72	0	0 19
26	50	1 55	43	40	1 1	73	0	0 18
27	0	1 54	44	0	1 0	74	0	0 17
27	10	1 53	44	20	1 0	75	0	0 15
27	20	1 52	44	40	0 59	76	0	0 14
27	30	1 51	45	0	0 58	77	0	0 13
27	40	1 51	45	20	0 57	78	0	0 12
27	50	1 50	45	40	0 57	79	0	0 11
28	0	1 49	46	0	0 56	80	0	0 10
28	10	1 48	46	20	0 55	81	0	0 9
28	20	1 48	46	40	0 55	82	0	0 8
28	30	1 47	47	0	0 54	83	0	0 7
28	40	1 46	47	20	0 53	84	0	0 6
28	50	1 45	47	40	0 53	85	0	0 5
29	0	1 45	48	0	0 52	86	0	0 4
29	10	1 44	48	20	0 52	87	0	0 3
29	20	1 43	48	40	0 51	88	0	0 2
29	30	1 43	49	0	0 50	89	0	0 1
29	40	1 42	49	20	0 50	90	0	0 0
29	50	1 41	49	40	0 49			

TABLE V.—Corrections for Dip. to be subtracted from the observed altitude when measured from the sea horizon.

Height of the eye in feet.	Dip.	Height of the eye in feet.	Dip.
'	"	'	"
1	0 59	38	6 4
2	1 24	41	6 18
3	1 42	44	6 32
4	1 58	47	6 45
5	2 12	50	6 58
6	2 25	53	7 10
7	2 36	56	7 22
8	2 47	59	7 34
9	2 57	62	7 45
10	3 7	65	7 56
11	3 16	68	8 7
12	3 25	71	8 18
13	3 33	74	8 28
14	3 41	77	8 38
15	3 49	80	8 48
16	3 56	83	8 58
17	4 4	86	9 8
18	4 11	89	9 17
19	4 17	92	9 26
20	4 24	95	9 36
21	4 31	98	9 45
22	4 37	101	10 19
23	4 43	104	10 47
24	4 49	107	11 14
25	4 55	110	11 39
26	5 1	113	12 3
27	5 7	116	12 27
28	5 13	119	12 50
29	5 18	122	13 12
30	5 24	125	13 33
31	5 29	128	13 55
32	5 34	131	14 16
33	5 39	134	14 36
34	5 44	137	14 56
35	5 49	140	15 15

TABLE VI.—Corrections for Parallax to be added to the apparent altitude of the Sun.

Alt.	Cor. for Parx. +	Alt.	Cor. for Parx. +
0	"	0	"
3	9	48	6
6	9	51	5
9	9	54	5
12	9	57	5
15	8	60	4
18	8	63	4
21	8	66	4
24	8	69	3
27	8	72	3
30	8	75	2
33	7	78	2
36	7	81	1
39	7	84	1
42	6	87	0
45	6	90	0