

Refraction at 10°C/ 1010mb

App. Alt	Corr'n	App. Alt	Corr'n	App. Alt	Corr'n	App. Alt	Corr'n	App. Alt	Corr'n	App. Alt	Corr'n	App. Alt	Corr'n
0° 00'	-33'.8	1° 00'	-24'.1	2° 00'	-18'.2	3° 00'	-14'.3	4° 00'		6° 51'		16° 24'	
01'	-33'.6	01'	-24'.0	01'	-18'.1	01'	-14'.3	4° 01'	-11'.8	6° 57'	-07'.5	16° 55'	-03'.2
02'	-33'.4	02'	-23'.9	02'	-18'.1	02'	-14'.2	4° 02'	-11'.7	7° 04'	-07'.4	17° 27'	-03'.1
03'	-33'.2	03'	-23'.7	03'	-18'.0	03'	-14'.2	4° 02'	-11'.6	7° 10'	-07'.3	18° 01'	-03'.0
04'	-33'.0	04'	-23'.6	04'	-17'.9	04'	-14'.1	4° 05'	-11'.5	7° 17'	-07'.2	18° 37'	-02'.9
05'	-32'.8	05'	-23'.5	05'	-17'.8	05'	-14'.1	4° 08'	-11'.4	7° 23'	-07'.1	19° 15'	-02'.8
06'	-32'.6	06'	-23'.4	06'	-17'.7	06'	-14'.0	4° 11'	-11'.3	7° 30'	-07'.0	19° 56'	-02'.7
07'	-32'.4	07'	-23'.3	07'	-17'.7	07'	-14'.0	4° 14'	-11'.2	7° 38'	-06'.9	20° 40'	-02'.6
08'	-32'.2	08'	-23'.2	08'	-17'.6	08'	-13'.9	4° 17'	-11'.1	7° 45'	-06'.8	21° 27'	-02'.5
09'	-32'.0	09'	-23'.0	09'	-17'.5	09'	-13'.9	4° 20'	-11'.0	7° 53'	-06'.7	22° 17'	-02'.4
0° 10'	-31'.8	1° 10'	-22'.9	2° 10'	-17'.5	3° 10'	-13'.8	4° 23'	-10'.9	8° 00'	-06'.6	23° 11'	-02'.3
11'	-31'.6	11'	-22'.8	11'	-17'.4	11'	-13'.8	4° 26'	-10'.8	8° 08'	-06'.5	24° 09'	-02'.2
12'	-31'.4	12'	-22'.7	12'	-17'.3	12'	-13'.7	4° 30'	-10'.7	8° 17'	-06'.4	25° 12'	-02'.1
13'	-31'.3	13'	-22'.6	13'	-17'.2	13'	-13'.7	4° 33'	-10'.6	8° 25'	-06'.3	26° 20'	-02'.0
14'	-31'.1	14'	-22'.5	14'	-17'.2	14'	-13'.6	4° 36'	-10'.5	8° 34'	-06'.2	27° 34'	-01'.9
15'	-30'.9	15'	-22'.4	15'	-17'.1	15'	-13'.6	4° 40'	-10'.4	8° 43'	-06'.1	28° 54'	-01'.8
16'	-30'.7	16'	-22'.3	16'	-17'.0	16'	-13'.6	4° 43'	-10'.3	8° 53'	-06'.0	30° 22'	-01'.7
17'	-30'.5	17'	-22'.1	17'	-17'.0	17'	-13'.5	4° 47'	-10'.2	9° 02'	-05'.9	31° 57'	-01'.6
18'	-30'.4	18'	-22'.0	18'	-16'.9	18'	-13'.5	4° 50'	-10'.1	9° 12'	-05'.8	33° 42'	-01'.5
19'	-30'.2	19'	-21'.9	19'	-16'.8	19'	-13'.4	4° 54'	-10'.0	9° 23'	-05'.7	35° 38'	-01'.4
0° 20'	-30'.0	1° 20'	-21'.8	2° 20'	-16'.7	3° 20'	-13'.4	4° 57'	-09'.9	9° 33'	-05'.6	37° 45'	-01'.3
21'	-29'.8	21'	-21'.7	21'	-16'.7	21'	-13'.3	5° 03'	-09'.8	9° 44'	-05'.5	40° 06'	-01'.2
22'	-29'.7	22'	-21'.6	22'	-16'.6	22'	-13'.3	5° 06'	-09'.7	9° 56'	-05'.4	42° 41'	-01'.1
23'	-29'.5	23'	-21'.5	23'	-16'.5	23'	-13'.2	5° 10'	-09'.6	10° 08'	-05'.3	45° 33'	-01'.0
24'	-29'.3	24'	-21'.4	24'	-16'.5	24'	-13'.2	5° 14'	-09'.5	10° 20'	-05'.2	48° 44'	-00'.9
25'	-29'.2	25'	-21'.3	25'	-16'.4	25'	-13'.1	5° 18'	-09'.4	10° 33'	-05'.1	52° 16'	-00'.8
26'	-29'.0	26'	-21'.2	26'	-16'.3	26'	-13'.1	5° 22'	-09'.3	10° 46'	-05'.0	56° 09'	-00'.7
27'	-28'.8	27'	-21'.1	27'	-16'.3	27'	-13'.1	5° 26'	-09'.2	10° 59'	-04'.9	60° 25'	-00'.6
28'	-28'.7	28'	-21'.0	28'	-16'.2	28'	-13'.0	5° 30'	-09'.1	11° 14'	-04'.8	65° 05'	-00'.5
29'	-28'.5	29'	-20'.9	29'	-16'.1	29'	-13'.0	5° 34'	-09'.0	11° 29'	-04'.7	70° 08'	-00'.4
0° 30'	-28'.3	1° 30'	-20'.8	2° 30'	-16'.1	3° 30'	-12'.9	5° 39'	-08'.9	11° 44'	-04'.6	75° 31'	-00'.3
31'	-28'.2	31'	-20'.7	31'	-16'.0	31'	-12'.9	5° 43'	-08'.8	12° 00'	-04'.5	81° 10'	-00'.2
32'	-28'.0	32'	-20'.6	32'	-15'.9	32'	-12'.8	5° 48'	-08'.7	12° 17'	-04'.4	87° 00'	-00'.1
33'	-27'.9	33'	-20'.5	33'	-15'.9	33'	-12'.8	5° 52'	-08'.6	12° 35'	-04'.3	90° 00'	00'.0
34'	-27'.7	34'	-20'.4	34'	-15'.8	34'	-12'.8	5° 57'	-08'.5				
35'	-27'.6	35'	-20'.3	35'	-15'.8	35'	-12'.7	6° 02'	-08'.4				
36'	-27'.4	36'	-20'.3	36'	-15'.7	36'	-12'.7	6° 07'	-08'.3				
37'	-27'.2	37'	-20'.2	37'	-15'.6	37'	-12'.6	6° 12'	-08'.2				
38'	-27'.1	38'	-20'.1	38'	-15'.6	38'	-12'.6	6° 17'	-08'.1				
39'	-27'.0	39'	-20'.0	39'	-15'.5	39'	-12'.5	6° 23'	-08'.0				
0° 40'	-26'.8	1° 40'	-19'.9	2° 40'	-15'.5	3° 40'	-12'.5	6° 28'	-07'.9				
41'	-26'.7	41'	-19'.8	41'	-15'.4	41'	-12'.5	6° 34'	-07'.8				
42'	-26'.5	42'	-19'.7	42'	-15'.3	42'	-12'.4	6° 39'	-07'.7				
43'	-26'.4	43'	-19'.6	43'	-15'.3	43'	-12'.4	6° 45'	-07'.6				
44'	-26'.2	44'	-19'.5	44'	-15'.2	44'	-12'.3	6° 51'	-07'.5				
45'	-26'.1	45'	-19'.4	45'	-15'.2	45'	-12'.3	6° 57'	-07'.4				
46'	-25'.9	46'	-19'.4	46'	-15'.1	46'	-12'.3	7° 02'	-07'.3				
47'	-25'.8	47'	-19'.3	47'	-15'.1	47'	-12'.2	7° 08'	-07'.2				
48'	-25'.7	48'	-19'.2	48'	-15'.0	48'	-12'.2	7° 14'	-07'.1				
49'	-25'.5	49'	-19'.1	49'	-14'.9	49'	-12'.1	7° 20'	-07'.0				
0° 50'	-25'.4	1° 50'	-19'.0	2° 50'	-14'.9	3° 50'	-12'.1	7° 26'	-06'.9				
51'	-25'.3	51'	-18'.9	51'	-14'.8	51'	-12'.1	7° 32'	-06'.8				
52'	-25'.1	52'	-18'.8	52'	-14'.8	52'	-12'.0	7° 38'	-06'.7				
53'	-25'.0	53'	-18'.8	53'	-14'.7	53'	-12'.0	7° 44'	-06'.6				
54'	-24'.9	54'	-18'.7	54'	-14'.7	54'	-12'.0	7° 50'	-06'.5				
55'	-24'.7	55'	-18'.6	55'	-14'.6	55'	-11'.9	7° 56'	-06'.4				
56'	-24'.6	56'	-18'.5	56'	-14'.6	56'	-11'.9	8° 02'	-06'.3				
57'	-24'.5	57'	-18'.4	57'	-14'.5	57'	-11'.8	8° 08'	-06'.2				
58'	-24'.4	58'	-18'.4	58'	-14'.4	58'	-11'.8	8° 14'	-06'.1				
59'	-24'.2	59'	-18'.3	59'	-14'.4	59'	-11'.8	8° 20'	-06'.0				