

CORRECTION TO LATITUDE FOR DIFFERENTIAL REFRACTION. $\frac{1}{2}(r-r')$
 (The sign of the correction is the same as that of the micrometer difference).

$\frac{1}{2}$ diff. Zen. Dist.	Zenith Distances.							
	0°	10°	20°	25°	30°	35°	40°	45°
'	"	"	"	"	"	"	"	"
40	.67	.69	.76	.82	.89	1.00	1.14	1.34
40.5	.68	.70	.77	.83	.90	1.01	1.16	1.36
41	.69	.71	.78	.84	.91	1.02	1.17	1.37
41.5	.69	.71	.79	.85	.92	1.03	1.18	1.39
42	.70	.72	.80	.86	.94	1.05	1.20	1.41
42.5	.71	.73	.81	.87	.95	1.06	1.21	1.42
43	.72	.74	.82	.88	.96	1.07	1.23	1.44
43.5	.73	.75	.82	.89	.97	1.09	1.24	1.46
44	.74	.76	.83	.90	.98	1.10	1.26	1.47
44.5	.74	.77	.84	.91	.99	1.11	1.27	1.49
45	.75	.78	.85	.92	1.00	1.12	1.29	1.51

NOTE.—If the altitude of the station is such that the barometer reading is below 27 inches, the tabulated values should be reduced by 10 per cent.