

ALTITUDE CORRECTION FOR D. R. LATITUDE

| LATITUDE DIFFERENCE (minutes of arc) | | | | | | | | | | | | | | LAT. DIFF. (tenths of minutes of arc) | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|-----|------|------|------|------|------|------|------|------|------|------|------|------|---------------------------------------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|----|-----|--|--|--|-----|-----|-----|
| Az. | 16' | 17' | 18' | 19' | 20' | 21' | 22' | 23' | 24' | 25' | 26' | 27' | 28' | 29' | 30' | Az. | 0.1' | 0.2' | 0.3' | 0.4' | 0.5' | 0.6' | 0.7' | 0.8' | 0.9' | Az. | | | | | | | | | |
| 0 | 180 | 16.0 | 17.0 | 18.0 | 19.0 | 20.0 | 21.0 | 22.0 | 23.0 | 24.0 | 25.0 | 26.0 | 27.0 | 28.0 | 29.0 | 30.0 | 0 | 180 | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 0 | 180 | | | | | | |
| 1 | 179 | 16.0 | 17.0 | 18.0 | 19.0 | 20.0 | 21.0 | 22.0 | 23.0 | 24.0 | 25.0 | 26.0 | 27.0 | 28.0 | 29.0 | 30.0 | 1 | 179 | | | | | | | | | | | | | | | 1 | 179 | |
| 2 | 178 | 16.0 | 17.0 | 18.0 | 19.0 | 20.0 | 21.0 | 22.0 | 23.0 | 24.0 | 25.0 | 26.0 | 27.0 | 28.0 | 29.0 | 30.0 | 2 | 178 | | | | | | | | | | | | | | | | 2 | 178 |
| 3 | 177 | 16.0 | 17.0 | 18.0 | 19.0 | 20.0 | 21.0 | 22.0 | 23.0 | 24.0 | 25.0 | 26.0 | 27.0 | 28.0 | 29.0 | 30.0 | 3 | 177 | | | | | | | | | | | | | | | | 3 | 177 |
| 4 | 176 | 16.0 | 17.0 | 18.0 | 19.0 | 20.0 | 21.0 | 22.0 | 23.0 | 24.0 | 25.0 | 26.0 | 27.0 | 28.0 | 29.0 | 30.0 | 4 | 176 | | | | | | | | | | | | | | | | 4 | 176 |
| 5 | 175 | 15.9 | 16.9 | 17.9 | 18.9 | 19.9 | 20.9 | 21.9 | 22.9 | 23.9 | 24.9 | 25.9 | 26.9 | 27.9 | 28.9 | 29.9 | 5 | 175 | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 5 | 175 | | | | | | |
| 6 | 174 | 15.9 | 16.9 | 17.9 | 18.9 | 19.9 | 20.9 | 21.9 | 22.9 | 23.9 | 24.9 | 25.9 | 26.9 | 27.9 | 28.9 | 29.9 | 6 | 174 | | | | | | | | | | | | | | | | 6 | 174 |
| 7 | 173 | 15.9 | 16.9 | 17.9 | 18.9 | 19.9 | 20.9 | 21.8 | 22.8 | 23.8 | 24.8 | 25.8 | 26.8 | 27.8 | 28.8 | 29.8 | 7 | 173 | | | | | | | | | | | | | | | | 7 | 173 |
| 8 | 172 | 15.8 | 16.8 | 17.8 | 18.8 | 19.8 | 20.8 | 21.8 | 22.8 | 23.8 | 24.8 | 25.7 | 26.7 | 27.7 | 28.7 | 29.7 | 8 | 172 | | | | | | | | | | | | | | | | 8 | 172 |
| 9 | 171 | 15.8 | 16.8 | 17.8 | 18.8 | 19.8 | 20.7 | 21.7 | 22.7 | 23.7 | 24.7 | 25.7 | 26.7 | 27.7 | 28.6 | 29.6 | 9 | 171 | | | | | | | | | | | | | | | | 9 | 171 |
| 10 | 170 | 15.8 | 16.7 | 17.7 | 18.7 | 19.7 | 20.7 | 21.7 | 22.7 | 23.6 | 24.6 | 25.6 | 26.6 | 27.6 | 28.6 | 29.5 | 10 | 170 | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 10 | 170 | | | | | | |
| 11 | 169 | 15.7 | 16.7 | 17.7 | 18.7 | 19.6 | 20.6 | 21.6 | 22.6 | 23.6 | 24.5 | 25.5 | 26.5 | 27.5 | 28.5 | 29.4 | 11 | 169 | | | | | | | | | | | | | | | | 11 | 169 |
| 12 | 168 | 15.7 | 16.6 | 17.6 | 18.6 | 19.6 | 20.5 | 21.5 | 22.5 | 23.5 | 24.5 | 25.4 | 26.4 | 27.4 | 28.4 | 29.3 | 12 | 168 | | | | | | | | | | | | | | | | 12 | 168 |
| 13 | 167 | 15.6 | 16.6 | 17.5 | 18.5 | 19.5 | 20.5 | 21.4 | 22.4 | 23.4 | 24.4 | 25.3 | 26.3 | 27.3 | 28.3 | 29.2 | 13 | 167 | | | | | | | | | | | | | | | | 13 | 167 |
| 14 | 166 | 15.5 | 16.5 | 17.5 | 18.4 | 19.4 | 20.4 | 21.3 | 22.3 | 23.3 | 24.3 | 25.2 | 26.2 | 27.2 | 28.1 | 29.1 | 14 | 166 | | | | | | | | | | | | | | | | 14 | 166 |
| 15 | 165 | 15.5 | 16.4 | 17.4 | 18.4 | 19.3 | 20.3 | 21.3 | 22.2 | 23.2 | 24.1 | 25.1 | 26.1 | 27.0 | 28.0 | 29.0 | 15 | 165 | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 15 | 165 | | | | | | |
| 16 | 164 | 15.4 | 16.3 | 17.3 | 18.3 | 19.2 | 20.2 | 21.1 | 22.1 | 23.1 | 24.0 | 25.0 | 26.0 | 26.9 | 27.9 | 28.8 | 16 | 164 | | | | | | | | | | | | | | | | 16 | 164 |
| 17 | 163 | 15.3 | 16.3 | 17.3 | 18.2 | 19.1 | 20.1 | 21.0 | 22.0 | 23.0 | 23.9 | 24.9 | 25.8 | 26.8 | 27.7 | 28.7 | 17 | 163 | | | | | | | | | | | | | | | | 17 | 163 |
| 18 | 162 | 15.2 | 16.2 | 17.1 | 18.1 | 19.0 | 20.0 | 20.9 | 21.9 | 22.8 | 23.8 | 24.7 | 25.7 | 26.6 | 27.6 | 28.5 | 18 | 162 | | | | | | | | | | | | | | | | 18 | 162 |
| 19 | 161 | 15.1 | 16.1 | 17.0 | 18.0 | 18.9 | 19.9 | 20.8 | 21.7 | 22.7 | 23.6 | 24.6 | 25.5 | 26.5 | 27.4 | 28.4 | 19 | 161 | | | | | | | | | | | | | | | 0.9 | 19 | 161 |
| 20 | 160 | 15.0 | 16.0 | 16.9 | 17.9 | 18.8 | 19.7 | 20.7 | 21.6 | 22.6 | 23.5 | 24.4 | 25.4 | 26.3 | 27.3 | 28.2 | 20 | 160 | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.8 | 20 | 160 | | | | | | |
| 21 | 159 | 14.9 | 15.9 | 16.8 | 17.7 | 18.7 | 19.6 | 20.5 | 21.5 | 22.4 | 23.3 | 24.3 | 25.2 | 26.1 | 27.1 | 28.0 | 21 | 159 | | | | | | | | | | | | | | | | 21 | 159 |
| 22 | 158 | 14.8 | 15.8 | 16.7 | 17.6 | 18.5 | 19.5 | 20.4 | 21.3 | 22.3 | 23.2 | 24.1 | 25.0 | 26.0 | 26.9 | 27.8 | 22 | 158 | | | | | | | | | | | | | | | | 22 | 158 |
| 23 | 157 | 14.7 | 15.6 | 16.6 | 17.5 | 18.4 | 19.3 | 20.3 | 21.2 | 22.1 | 23.0 | 23.9 | 24.9 | 25.8 | 26.7 | 27.6 | 23 | 157 | | | | | | 0.6 | | | | | | | | | 23 | 157 | |
| 24 | 156 | 14.6 | 15.5 | 16.4 | 17.4 | 18.3 | 19.2 | 20.1 | 21.0 | 21.9 | 22.8 | 23.8 | 24.7 | 25.6 | 26.5 | 27.4 | 24 | 156 | | | | | | 0.5 | | | | | | | | | | 24 | 156 |
| 25 | 155 | 14.5 | 15.4 | 16.3 | 17.2 | 18.1 | 19.0 | 19.9 | 20.8 | 21.8 | 22.7 | 23.6 | 24.5 | 25.4 | 26.3 | 27.2 | 25 | 155 | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.5 | 0.6 | 0.7 | 0.8 | 25 | 155 | | | | | | |
| 26 | 154 | 14.4 | 15.3 | 16.2 | 17.1 | 18.0 | 18.9 | 19.8 | 20.7 | 21.6 | 22.5 | 23.4 | 24.3 | 25.2 | 26.1 | 27.0 | 26 | 154 | | | | | | 0.4 | | | | | | | | | | 26 | 154 |
| 27 | 153 | 14.3 | 15.1 | 16.0 | 16.9 | 17.8 | 18.7 | 19.6 | 20.5 | 21.4 | 22.3 | 23.2 | 24.1 | 24.9 | 25.8 | 26.7 | 27 | 153 | | | | | | | | | | | | | | | | 27 | 153 |
| 28 | 152 | 14.1 | 15.0 | 15.9 | 16.8 | 17.7 | 18.5 | 19.4 | 20.3 | 21.2 | 22.1 | 23.0 | 23.8 | 24.7 | 25.6 | 26.5 | 28 | 152 | | | | 0.4 | | | | | | | | | | | | 28 | 152 |
| 29 | 151 | 14.0 | 14.9 | 15.7 | 16.6 | 17.5 | 18.4 | 19.2 | 20.1 | 21.0 | 21.9 | 22.7 | 23.6 | 24.5 | 25.4 | 26.2 | 29 | 151 | | | | 0.3 | | | | | | | | | | | | 29 | 151 |
| 30 | 150 | 13.9 | 14.7 | 15.6 | 16.5 | 17.3 | 18.2 | 19.1 | 19.9 | 20.8 | 21.7 | 22.5 | 23.4 | 24.2 | 25.1 | 26.0 | 30 | 150 | 0.1 | 0.2 | 0.3 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 30 | 150 | | | | | | |
| 31 | 149 | 13.7 | 14.6 | 15.4 | 16.3 | 17.1 | 18.0 | 18.9 | 19.7 | 20.6 | 21.4 | 22.3 | 23.1 | 24.0 | 24.9 | 25.7 | 31 | 149 | | | | | | | | | | | | | | | | 31 | 149 |
| 32 | 148 | 13.6 | 14.4 | 15.3 | 16.1 | 17.0 | 17.8 | 18.7 | 19.5 | 20.4 | 21.2 | 22.0 | 22.9 | 23.7 | 24.6 | 25.4 | 32 | 148 | | | | | | | | | | | | | | | | 32 | 148 |
| 33 | 147 | 13.4 | 14.3 | 15.1 | 15.9 | 16.8 | 17.6 | 18.5 | 19.3 | 20.1 | 21.0 | 21.8 | 22.6 | 23.5 | 24.3 | 25.2 | 33 | 147 | | | | 0.3 | | | | | | | | | | | 0.8 | 33 | 147 |
| 34 | 146 | 13.3 | 14.1 | 14.9 | 15.8 | 16.6 | 17.4 | 18.2 | 19.1 | 19.9 | 20.7 | 21.6 | 22.4 | 23.2 | 24.0 | 24.9 | 34 | 146 | | | | 0.2 | | | | | | | | | | | 0.7 | 34 | 146 |
| 35 | 145 | 13.1 | 13.9 | 14.7 | 15.6 | 16.4 | 17.2 | 18.0 | 18.8 | 19.7 | 20.5 | 21.3 | 22.1 | 22.9 | 23.8 | 24.6 | 35 | 145 | 0.1 | 0.2 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.7 | 35 | 145 | | | | | | |
| 36 | 144 | 12.9 | 13.8 | 14.6 | 15.4 | 16.2 | 17.0 | 17.8 | 18.6 | 19.4 | 20.2 | 21.0 | 21.8 | 22.7 | 23.5 | 24.3 | 36 | 144 | | | | | | | | | | | | | | | 0.6 | 36 | 144 |
| 37 | 143 | 12.8 | 13.6 | 14.4 | 15.2 | 16.0 | 16.8 | 17.6 | 18.4 | 19.2 | 20.0 | 20.8 | 21.6 | 22.4 | 23.2 | 24.0 | 37 | 143 | | | | | | | | | | | | | | | 0.6 | 37 | 143 |
| 38 | 142 | 12.6 | 13.4 | 14.2 | 15.0 | 15.8 | 16.5 | 17.3 | 18.1 | 18.9 | 19.7 | 20.5 | 21.3 | 22.1 | 22.9 | 23.6 | 38 | 142 | | | | | | | | | | | | | | | 0.5 | 38 | 142 |
| 39 | 141 | 12.4 | 13.2 | 14.0 | 14.8 | 15.5 | 16.3 | 17.1 | 17.9 | 18.7 | 19.4 | 20.2 | 21.0 | 21.8 | 22.5 | 23.3 | 39 | 141 | | | | | | | | | | | | | | | 0.5 | 39 | 141 |
| 40 | 140 | 12.3 | 13.0 | 13.8 | 14.6 | 15.3 | 16.1 | 16.9 | 17.6 | 18.4 | 19.2 | 19.9 | 20.7 | 21.4 | 22.2 | 23.0 | 40 | 140 | 0.1 | 0.2 | 0.2 | 0.3 | 0.4 | 0.5 | 0.5 | 0.6 | 0.7 | 40 | 140 | | | | | | |
| 41 | 139 | 12.1 | 12.8 | 13.6 | 14.3 | 15.1 | 15.8 | 16.6 | 17.4 | 18.1 | 18.9 | 19.6 | 20.4 | 21.1 | 21.9 | 22.6 | 41 | 139 | | | | 0.2 | | | | | | | | | | | | 41 | 139 |
| 42 | 138 | 11.9 | 12.6 | 13.4 | 14.1 | 14.9 | 15.6 | 16.3 | 17.1 | 17.8 | 18.6 | 19.3 | 20.1 | 20.8 | 21.6 | 22.3 | 42 | 138 | | | | 0.1 | | | | | | | | | | | | 42 | 138 |
| 43 | 137 | 11.7 | 12.4 | 13.2 | 13.9 | 14.6 | 15.4 | 16.1 | 16.8 | 17.6 | 18.3 | 19.0 | 19.7 | 20.5 | 21.2 | 21.9 | 43 | 137 | | | | | | | | | | | | | | | 0.7 | 43 | 137 |
| 44 | 136 | 11.5 | 12.2 | 13.0 | 13.7 | 14.4 | 15.1 | 15.8 | 16.5 | 17.3 | 18.0 | 18.7 | 19.4 | 20.1 | 20.9 | 21.6 | 44 | 136 | | | | | | | | | | | | | | | 0.6 | 44 | 136 |
| 45 | 135 | 11.3 | 12.0 | 12.7 | 13.4 | 14.1 | 14.8 | 15.6 | 16.3 | 17.0 | 17.7 | 18.4 | 19.1 | 19.8 | 20.5 | 21.2 | 45 | 135 | 0.1 | 0.1 | 0.2 | 0.3 | 0.4 | 0.4 | 0.5 | 0.6 | 0.6 | 45 | 135 | | | | | | |
| 46 | 134 | 11.1 | 11.8 | 12.5 | 13.2 | 13.9 | 14.6 | 15.3 | 16.0 | 16.7 | 17.4 | 18.1 | 18.8 | 19.5 | 20.1 | 20.8 | 46 | 134 | | | | 0.3 | | | | | | | | | | | 0.6 | 46 | 134 |
| 47 | 133 | 10.9 | 11.6 | 12.3 | 13.0 | 13.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |