APRIL TO SEPTEMBER.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
+·0085	—·0043	—·0112	—·0057	—·0084	—·0041	+·0132	+·0150

OCTOBER TO MARCH.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
+·0087	—·0160	—·0334	—·0313	—·0222	—·0027	+·0168	+·0209

THE YEAR.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.
+·0086	—·0103	—·0215	—·0164	—·0129	—·0039	+·0156	+·0180

The most probable values of the changes corresponding to intermediate directions of the wind are given by the following formulæ, where Ψ_1 Ψ_2 Ψ_3 represent the changes for the two half years and year, and θ the angular distance of the point from which the wind blew, measured from the North towards the East, end expressed in degrees.

APRIL TO SEPTEMBER.

$$\Psi_1 = +\cdot0004 + \cdot0125 \sin(\theta + 141^\circ 29') + \cdot0044 \sin(2\theta + 186^\circ 29') + \cdot0025 \sin(3\theta + 14^\circ 2')$$

OCTOBER TO MARCH.

$$\Psi_2 = -\cdot0075 + \cdot0281 \sin(\theta + 148^\circ 14') + \cdot0024 \sin(2\theta + 160^\circ 49) + \cdot0014 \sin(3\theta + 30^\circ 15')$$

THE YEAR.

$$\Psi_3 = -\cdot0028 + \cdot0195 \sin(\theta + 148^\circ 2') + \cdot0040 \sin(2\theta + 174^\circ 17') + \cdot0021 \sin(3\theta + 10^\circ 47)$$

PRESSURE OF DRY AIR.

The average changes in the pressure of dry air in two hours with different winds, and the corresponding formulæ of interpolation, are as follows.

APRIL TO SEPTEMBER.

N.	N.E.	E.	S.E.	S.	S.W.	N.	N.W.
+·0146	—·0009	—·0128	—·0088	—·0122	—·0046	+·0195	+·0219

OCTOBER TO MARCH

N.	N.E.	E.	S.E.	S.	S.W.	N.	N.W.
+·0110	—·0182	—·0371	—·0342	—·0240	—·0026	+·0195	+·0240

THE YEAR.

N.	N.E.	E.	S.E.	S.	S.W.	N.	N.W.
+·0128	—·0091	—·0243	—·0194	—·0160	—·0034	+·0195	+·0229

APRIL TO SEPTEMBER.

$$\Psi_1 = +\cdot0021 + \cdot0162 \sin(\theta + 135^\circ 13') + \cdot0046 \sin(2\theta + 198^\circ 10') + \cdot0034 \sin(3\theta + 10^\circ 18')$$

OCTOBER TO MARCH.

$$\Psi_2 = -\cdot0077 + \cdot0317 \sin(\theta + 149^\circ 4') + \cdot0030 \sin(2\theta + 156^\circ 2') + \cdot0016 \sin(3\theta + 217^\circ 29')$$