

The extreme recession of the resultant direction from the north takes place during the first three hours after noon in all months excepting in November, when it occurs between 11 A.M. and noon, and in December, when it is between 3 P.M. and 5 P.M. It occurs in May between 1 P.M. and 2 P.M., but in a contrary direction to that of all other months, being 108° to the east of north.

The hours of nearest approach to the north are not so well marked and are included within wider limits. For most months they were found between midnight and sunrise, but in May, June and November they occur in the early part of the night. The angular diurnal range in the direction of the resultant is 180° in July (its maximum) and 15° in November (its minimum). The quarterly averages of the diurnal ranges are 25° from December to February, 85° from March to May, 152° from June to August, and 65° from September to November; also the half yearly averages are 135° from April to September, and 29° from October to March.

MEAN RESULTANT VELOCITIES OF THE WIND IN THE DIFFERENT HOURS.

By table III. it is seen that the maximum resultant velocity for the whole year occurs during the hour commencing 1 P.M., and the minimum during the two hours between 4 A.M. and 6 A.M., the progression being continuous from the maximum to the minimum and to the maximum again, if the second place of decimals be disregarded.

The maximum takes place in one of the three hours commencing noon in every month but April and May, when it is found in the hours commencing at 9 P.M. in April and at 7 A.M. in May. The hours of minimum are not well marked in the separate months, and in July, August and September there is a double progression.

MEAN VELOCITIES OF THE WIND IN THE DIFFERENT HOURS.

On the average of the year, as shewn in table IV., the maximum velocity is from 1 P.M. to 2 P.M., and the minimum from 1 A.M. to 2 A.M. The maximum occurs in every month during one of the four hours commencing noon, and the minimum in most months within three hours of midnight, a prominent exception being in December, when the minimum is at 7 A.M.