

computed through Peak 87*a*, which was fixed from Camp 27; the computed latitude of C. 29 agreed with the observed latitude to 1".

Camp 31. Lat.  $33^{\circ} 45' 14''$ , long.  $82^{\circ} 39' 10''$ . The longitude of the camp was computed through Peaks 92, 94, 95, 96, 97, and 98. Four of these gave discordant results, and the mean of the values obtained through Peaks 94 and 95 was accepted, the latitude so obtained agreeing well with the observed latitude of C. 31, the longitude by chronometers A, B and C differing by 28" only.

Camp 32. Lat.  $33^{\circ} 39' 0''$ , long.  $82^{\circ} 45' 57''$ . None of the triangles connecting C. 32 with other camps having proved reliable, the difference of longitude between Camps 28 and 32 has been determined from chronometer B, a rate having been obtained by observations on 9th and 20th August at Camp 32.

The rates shown by chronometers A and C were not very satisfactory, so they were not used.

Camp 34. Lat.  $33^{\circ} 26' 42''$ , long.  $82^{\circ} 52' 19''$ . The longitude was determined by differences of latitude and azimuth from C. 34 to Peak 112 and Hill Station E, both fixed from C. 32, the resulting longitudes differing by  $1' 31''$ ; their mean was taken.

An attempt was made to utilise a ray to Peak 105, but as the ray was not well placed and gave discrepant results, it was rejected.

The camps beyond C. 34 not having been connected by triangulation, a few of the principal ones between C. 34 and C. 43 already fixed along the southern line were determined by chronometer from Camp 34.

To do this the rates obtained from a comparison of the chronometer with the trigonometrical differences of longitude of Camps 3 and 11 were used.

Camps 37 and 41 were selected for determination, and Camp 43 was also determined in chronometric terms of Camp 34, in order to see how it agreed with its previously determined trigonometrical value along the southern line.

The difference found in the position of C. 43 as thus determined was distributed proportionately back along the line with the following resulting positions for the two camps:—

Camp 37. Lat.  $33^{\circ} 0' 0''$ , long.  $82^{\circ} 53' 19''$

Camp 41. Lat.  $32^{\circ} 34' 45''$ , long.  $82^{\circ} 45' 49''$

Camp 8. Lat.  $34^{\circ} 39' 8''$ , long.  $80^{\circ} 49' 27''$ . Its longitude was determined by azimuths and differences of latitude through rays from Camp 8 to Peaks 13 and 14, both fixed from C. 3; the resulting longitudes differed by  $34''$ , and the mean was taken.

Camp 5. Lat.  $34^{\circ} 33' 16''$ , long.  $80^{\circ} 16' 0''$ . Its longitude was determined by azimuths and differences of latitude to Peaks 11 and 12, both fixed from Camp 3, the results differing by  $3''$ ; their mean was taken.