

chronometer A from that camp is $83^{\circ} 46' 58''$. Although there is a difference of 15' in the two values from Camp 73, their mean, $83^{\circ} 50' 22''$, closely agrees with that adopted by Captain Deasy in his computations. This mean has therefore been accepted.

Camp 162. Lat. $39^{\circ} 28' 19''$, long. $76^{\circ} 1' 2''$. An attempt was made to deduce the longitude of this camp by chronometer comparison from Camps 35 and 37. Chronometers A and C were used, and the values were all discordant; but that by chronometer A of Camp 35 seemed more reliable, as it is not far from the longitude shown on the plane table and Captain Trotter's value of Yangi Shahr (Kashgar). This value has therefore been accepted.

NOTE.—All longitudes in this list are in final G. T. terms, and require a correction of $-2' 30''$ to bring them to Greenwich terms.

COMPUTATION OF CAPTAIN DEASY'S HEIGHTS, 1897-98-99.

The heights in the Western portion of Captain Deasy's work of 1897-98-99 are based on the heights of 3 P.C. and 5 P.C. of Pamir Triangulation. Those in the Eastern portion are based on the heights of Peaks 36 and 56 of Camp 11 of his work of 1896, which again were based on the fundamental height of Camp 3 of 1896, obtained from a series of observations with a mercurial barometer at various camps, the relative heights of which had been determined by triangulation. The heights of 1896 were computed differentially from Leh, by means of simultaneous observations recorded there. The heights of astronomical camps of 1897-98-99 which were not connected by triangulation were fitted in between two triangulation camps; that is to say, one triangulation camp was computed in terms of another through a chain of astronomical camps, the relative height of each camp being deduced barometrically, differentially from one immediately preceding it. The difference between the value thus obtained and the fixed value of height was distributed amongst the intermediate astronomical camps. In computing the relative heights the co-efficient of refraction was taken as 0.06.

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