

BATURA GLACIER, PAKISTAN, 1:60,000

(Terrestrial photogrammetric map)

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Field work for the production of this glacier map was part of the programme of a glacier expedition to Mt. Batura from the Lanzhou Institute of Glaciology and Cryopedology, K.K. Academia Sinica, China in 1974-1975. The map is printed at a scale of 1:60,000, and took one and a half years to produce.

Base control and stereophotographs

A control network of about 45 km wide was established, incorporating a total of 25 survey stations. The most inaccurate triangle side had an error of 1/27,700. From the control points of the network, the main peaks of the drainage basin were measured by forward sectioning; thus the control network covered the whole Batura glacier.

Terrestrial stereophotographs were taken from 65 photo bases. The average height of the control points and photographic stations was 4000 m a.s.l., and the average length of the photo bases was 320 m. The maximum photographic distance was about 14 km, the average 8 km. The photographic base line had an angular error of 1.1 seconds, and approximately 7% of the terrain was not covered by the photographs.