

ACONGAGUA SE-WALL AND HORCONES-INFERIOR-GLACIER 1:25,000

(Aerial photogrammetric map)

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The map was prepared within the framework of a geomorphological and glaciological research project sponsored by the "Deutsche Forschungsgemeinschaft". The basic information available consisted of:

- aerial photographs of the "Instituto Foto-Topographico Argentino" from 1974 at a scale of about 1:50,000:
- eight control points surveyed in 1988 during the field campaign.

Stereocompilation and cartographic work were carried out as a final project at the Institute for Photogrammetry and Cartography at the Karlsruhe Polytechnic. For this sheet, 10 models from 2 strips were needed altogether. Compilation was done with an analytical plotter Planicomp C 100 at the scale of 1:12,500. The accuracy achieved for marked points is better than ± 10 m. The reason for the fact that results are not optimal lies in the small scale of the pictures and the unfavourable distribution of the control points.

Special attention was paid to the presentation of geomorphological forms. The design work was done at the scale of 1:12,500, so that the sketch was also a basic map for the geomorphological fieldwork. Representation of the rocks was carried out in the manner established by Brandstetter. Thus, the contour lines contain the most important information and the presentation of the rocks is only an additional supporting element.

Printing was done at the Department of Cartography of the Karlsruhe Polytechnic.

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