Tarfala Research Station Annual Report

Tarfala Research Station Annual Report has been published since 1986 in four different series.

PDF reports from the department of Physical Geography and Quaternary Geology

Reports from the department of Physical Geography and Quaternary Geology

Research reports from the department of Physical Geography

Unpublished Reports from Tarfala

Other relevant reports
Tarfala Research Station

Founded 1946

Location
The station is located in the Tarfala Valley, 67°55’N 18°36’E, at 1130 m a.s.l. in the Kebnekaise massif, Swedish Lapland. The valley is surrounded by glaciers and 2000 m a.s.l. peaks. Tarfala can be reached by foot (25 km hike) or by helicopter from the nearest village, Nikkaluokta. Public transportation is available to Nikkaluokta.

Environment
Arctic alpine environment. The tree line (birch) is at ~700 m a.s.l. in the area. Several glaciers in the valley terminate below 1200 m a.s.l. Mean annual temperature is –4°C, resulting in widespread permafrost conditions.

Availability
The station is open during the summer season: June – September. Summer bookings must be made before May 1. Restricted availability during winter, contact the station director for details.

Monitoring programme
The research at Tarfala Research Station has two components, one basic monitoring programme and one externally funded project part. The basic monitoring programme is also dependent on external funding, but costs are integrated with costs for the maintenance of the research station.

The monitoring program includes:
– The mass balance of Storglaciären and four other glaciers
– Changes in front positions of 20 Swedish glaciers
– Weather data from Tarfala Research Station and four other mountain sites
– Hydrology in Tarfala valley
– Ground temperatures from Tarfala