Plate 1a Nitrate and Conductivity Record, GISP2-H-Part I

Dansgaard and Zeller
TER-QUA Proceedings, Volume 3, 1994.

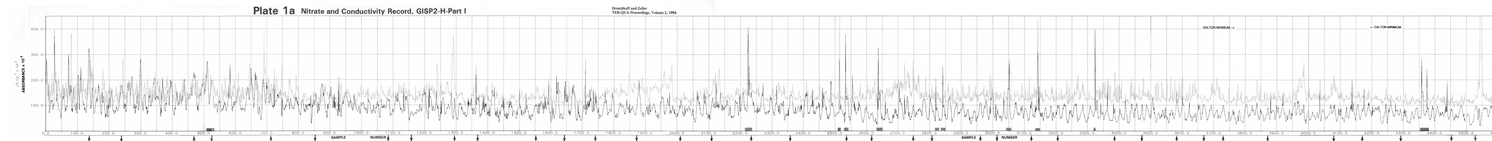

Plate 1b Nitrate and Conductivity Record, GISP2-H-Part II

Dansgaard and Zeller
TER-QUA Proceedings, Volume 3, 1994.

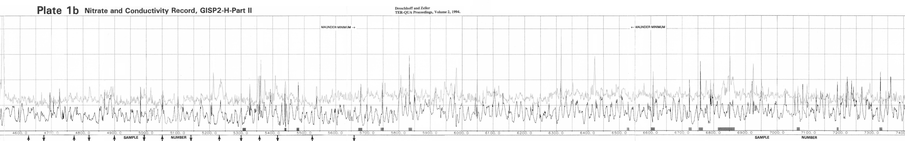

Plate 1a and 1b

Micro-resolution records of simultaneous nitrate and conductivity data from the Greenland ice cores and liquid conductivity data from the Central Greenland Ice Sheet. The nitrate data represent the top 1000 m of the surface (1024m) and has not been adjusted for compaction. Minute background nitrate concentrations (below 0.1 µg/l) and minute anomalies are apparently caused by contamination from the drilling fluid. Two events (dates have been started in square) are marked by arrows and dates. The dotted indicate zone of compact ancient volcanic (up) and compact volcanic (down). The numbers (dates) are the sample numbers (dates) of the compact ancient volcanic plates of the ice core. The numbers (dates) of the compact volcanic Antarctic ice core plates are given in parenthesis. The dotted lines in the Antarctic ice core plates indicate that the compact volcanic layer is not in the same depth range as the rest of the ice core. The represent portions of the core downstream from the compact volcanic layer. The ice core is assumed to 30.6 µg/l NO3- or 40.5 µeq/l. The conductivity data indicate the presence of acidic volcanic material.

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