Plates Ia and Ib

Micro-resolution records of simultaneous nitrate concentrations in relative units (blue curve) and liquid conductivity (orange curve) from the Central Greenland Ice Sheet. The x-axis is proportional to the true depth below the surface (122 m) and has not been adjusted for compaction. Nitrate background displays a prominent seasonal cycle. The nitrate anomalies are apparently caused in most cases by individual solar particle events (dates have been marked in blue). Black arrows at the bottom of the graph indicate times of solar maximum (up) and solar minimum (down). The numbers at the top of the graph indicate the approximate summer peaks of the years of the most recent solar activity. Asterisks next to major peaks indicate that these anomalies are part of the ongoing evaluation programs. Areas of gray shading represent portions of the core resampled for confirmation. Absorbance units (10 x 10^{-4}) convert to 20.4 μg/l NO_3-N or 90.3 ng/g NO_3. Anomalous conductivity peaks indicate the years of specific volcanic eruptions.

Team 1
Plate 1a Nitrte and Conductivity Record, GISP2-H-Part I Section 1

Team 2
Plate 1a Nitrte and Conductivity Record, GISP2-H-Part I Section 2

Team 3
Plate 1b Nitrte and Conductivity Record, GISP2-H-Part II Section 1

Team 4
Plate 1b Nitrte and Conductivity Record, GISP2-H-Part II Section 2