

Ice Core Solar Proton Events Data Tables

Team 1 – Solar Proton Events

year of solar proton event	nitrate anomaly absorbance $\times 10^4$
1991	400
1990	300
1989	330
1984	290
1974	260
1972	170
1963	180
1962	210
1960	140
1956	170
1951	150
1949	120
1942	170
1941	120
1929	280
1928	160
1922	190

Team 2 – Solar Proton Events

End of Dalton Minima – 1833

year of solar proton event	nitrate anomaly absorbance $\times 10^4$
1909	150
1898	160
1896	170
1888	330
1885	180
1877	210
1876	250
1864	280
*1859	310
1851	400
1849	170

**Carrington's White Flare
(previously marked on the graph)*

Team 3 – Solar Proton Events

*Start of Dalton Minima – 1798
End of Maunder Minima – 1715*

year of solar proton event	nitrate anomaly absorbance $\times 10^4$
1813	150
1807	200
1794	280
1789	180
1774	150
1772	160
1763	150
1730	150
1721	150
1719	190

Team 4 – Solar Proton Events

Start of Maunder Minima – 1645

Supernova Data Table

name and date of historic supernova	sample # of possible corresponding nitrate anomaly