

Article

Reconstruction of Daily Courses of SO_4^{2-} , NO_3^- , NH_4^+ Concentrations in Precipitation from Cumulative Samples

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Table S1. Descriptive statistics on input ion concentration values expressed as annual sample period-weighted geometric means.

| year | NH ₄ ⁺ [$\mu\text{g}\cdot\text{L}^{-1}$] | | | NO ₃ ⁻ [$\mu\text{g}\cdot\text{L}^{-1}$] | | | SO ₄ ²⁻ [$\mu\text{g}\cdot\text{L}^{-1}$] | | | | | |
|------|--|--------|-------|--|--------|--------|---|--------|---------|--------|--------|--------|
| | LIB | RUD | SOU | SVR | LIB | RUD | SOU | SVR | LIB | RUD | SOU | SVR |
| 1980 | | | | 881.5 | | | | 2980.8 | | | | 5439.6 |
| 1981 | | | | 857.2 | | | | 2503.1 | | | | 4774.0 |
| 1982 | | | | 1171.1 | | | | 2728.1 | | | | 5384.5 |
| 1983 | | | | 1298.8 | | | | 2878.7 | | | | 6638.4 |
| 1984 | | | | 1422.1 | | | | 2950.4 | | | | 6212.6 |
| 1985 | | | | 1315.9 | | | | 3496.6 | | | | 6782.8 |
| 1986 | 1387.1 | | | 1461.6 | 4005.3 | | | 3361.3 | 6057.8 | | | 8119.2 |
| 1987 | 776.0 | | | 1284.7 | 3519.9 | | | 3089.2 | 5897.1 | | | 7334.3 |
| 1988 | 950.7 | | | 1445.0 | 3247.2 | | | 3962.4 | 5330.4 | | | 7177.4 |
| 1989 | 1137.9 | | | 1230.6 | 2747.6 | | | 3219.3 | 8286.8 | | | 5227.0 |
| 1990 | 2662.4 | | | 1250.9 | 7445.0 | | | 3082.7 | 12206.2 | | | 4776.2 |
| 1991 | 2298.8 | | | 944.0 | 7092.3 | | | 2899.3 | 11335.0 | | | 4224.2 |
| 1992 | 430.0 | | | 918.3 | 2580.0 | | | 2680.5 | 3980.0 | | | 3641.1 |
| 1993 | 965.7 | | | 817.6 | 3174.2 | | | 2659.2 | 4581.9 | | | 3151.9 |
| 1994 | 1139.1 | | | 977.2 | 3455.5 | | | 3157.0 | 4811.6 | | | 3231.7 |
| 1995 | 882.8 | | | 861.8 | 3680.9 | | | 2721.2 | 4291.1 | | | 2988.4 |
| 1996 | 1368.4 | 1350.6 | 651.6 | 740.9 | 4415.8 | 4140.5 | 2538.5 | 1793.8 | 4855.0 | 5928.6 | 3486.7 | 2647.9 |
| 1997 | 1446.1 | 1119.8 | 754.8 | 636.1 | 3819.8 | 3208.8 | 2596.9 | 2434.7 | 4222.1 | 3918.6 | 3272.2 | 2732.1 |
| 1998 | 1025.6 | 803.4 | 630.8 | 864.0 | 3267.8 | 2641.9 | 2548.4 | 1933.2 | 3372.1 | 2989.3 | 2718.1 | 2090.7 |
| 1999 | 1031.6 | 754.8 | 722.7 | 896.6 | 3254.4 | 2719.0 | 2658.9 | 1983.1 | 2880.8 | 2411.7 | 2397.7 | 1354.7 |
| 2000 | 787.4 | 865.4 | 710.1 | 1446.1 | 2899.6 | 3027.2 | 2361.9 | 2216.4 | 2355.2 | 2954.3 | 2025.3 | 1419.7 |
| 2001 | 627.0 | 976.4 | 576.9 | | 2455.6 | 3080.8 | 1964.9 | | 2036.6 | 2423.3 | 1891.3 | |
| 2002 | 639.2 | 554.3 | 467.4 | 381.0 | 2339.2 | 2963.3 | 2123.0 | 1798.4 | 2110.2 | 2282.3 | 2167.6 | 1854.0 |
| 2003 | 1370.3 | 1089.3 | 680.8 | 528.1 | 3456.7 | 2823.4 | 2517.0 | 1361.1 | 2917.8 | 2331.7 | 2335.1 | 1595.0 |
| 2004 | 848.9 | 1046.6 | 636.0 | 667.4 | 2773.8 | 2150.7 | 1929.2 | 1590.3 | 1889.4 | 1766.9 | 1526.8 | 1307.3 |
| 2005 | 824.9 | 917.0 | 762.3 | 960.6 | 2784.5 | 2633.7 | 2553.4 | 2544.7 | 2069.4 | 2086.3 | 2321.9 | 1895.4 |
| 2006 | 756.2 | 825.2 | 669.5 | 1024.4 | 2933.9 | 2531.9 | 2133.3 | 2665.8 | 1735.1 | 1745.2 | 1768.6 | 2035.8 |
| 2007 | 735.1 | 713.5 | 764.9 | 759.6 | 2307.6 | 2008.0 | 2169.2 | 2184.9 | 1717.8 | 1504.3 | 1756.8 | 1676.1 |
| 2008 | 773.8 | 962.7 | 811.5 | 926.0 | 2549.1 | 2712.9 | 2374.3 | 2550.5 | 1603.8 | 2107.8 | 1819.5 | 1754.9 |
| 2009 | 841.8 | 1096.0 | 662.6 | 694.0 | 2346.4 | 2471.9 | 1915.8 | 1926.9 | 1452.3 | 1827.3 | 1257.4 | 1313.3 |
| 2010 | 787.9 | 1131.5 | 762.0 | 631.5 | 2270.8 | 2433.6 | 2365.6 | 1926.6 | 1362.0 | 2125.2 | 1595.9 | 1304.9 |
| 2011 | 538.3 | 789.1 | 617.1 | 635.7 | 1544.1 | 1589.0 | 1505.7 | 1639.9 | 1103.9 | 1214.3 | 1217.1 | 1139.7 |
| 2012 | 812.1 | 879.6 | 507.4 | 622.5 | 2018.2 | 1386.0 | 1580.4 | 1920.5 | 1224.9 | 1499.8 | 1162.1 | 1110.2 |
| 2013 | 650.9 | 696.7 | 550.2 | 679.1 | 2035.5 | 1740.4 | 1854.1 | 1781.8 | 1098.5 | 1243.4 | 1204.3 | 1287.9 |
| 2014 | 741.7 | 868.1 | 624.6 | 617.8 | 1979.6 | 2272.3 | 1968.3 | 1700.6 | 1306.3 | 1716.8 | 1380.8 | 1154.9 |
| 2015 | 705.8 | 614.0 | 632.9 | 503.5 | 2129.5 | 1792.4 | 1608.9 | 1501.3 | 1076.0 | 926.2 | 1009.3 | 886.0 |
| 2016 | 981.0 | 607.4 | 670.4 | 859.8 | 2272.3 | 2054.4 | 1702.6 | 2118.0 | 1140.3 | 981.5 | 937.2 | 1180.0 |
| 2017 | 695.4 | 741.1 | 655.1 | 871.8 | 2118.0 | 2046.6 | 1838.1 | 1919.8 | 909.3 | 995.1 | 975.4 | 859.1 |
| 2018 | 921.3 | 848.3 | 650.1 | 514.5 | 2187.8 | 1736.3 | 1675.0 | 1735.3 | 1120.4 | 1040.0 | 1088.1 | 935.7 |
| 2019 | 706.5 | 620.5 | 495.0 | 621.6 | 1502.4 | 1590.5 | 1683.2 | 1526.5 | 778.8 | 851.3 | 943.5 | 814.8 |
| 2020 | 619.4 | 508.1 | 647.4 | 538.9 | 1209.0 | 1264.3 | 1304.6 | 1073.4 | 678.3 | 652.6 | 823.1 | 668.5 |