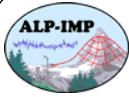


Selection of long climate time series in the Greater Alpine Region
(homogenised, outlier corrected and gap-completed – updated to 2003)

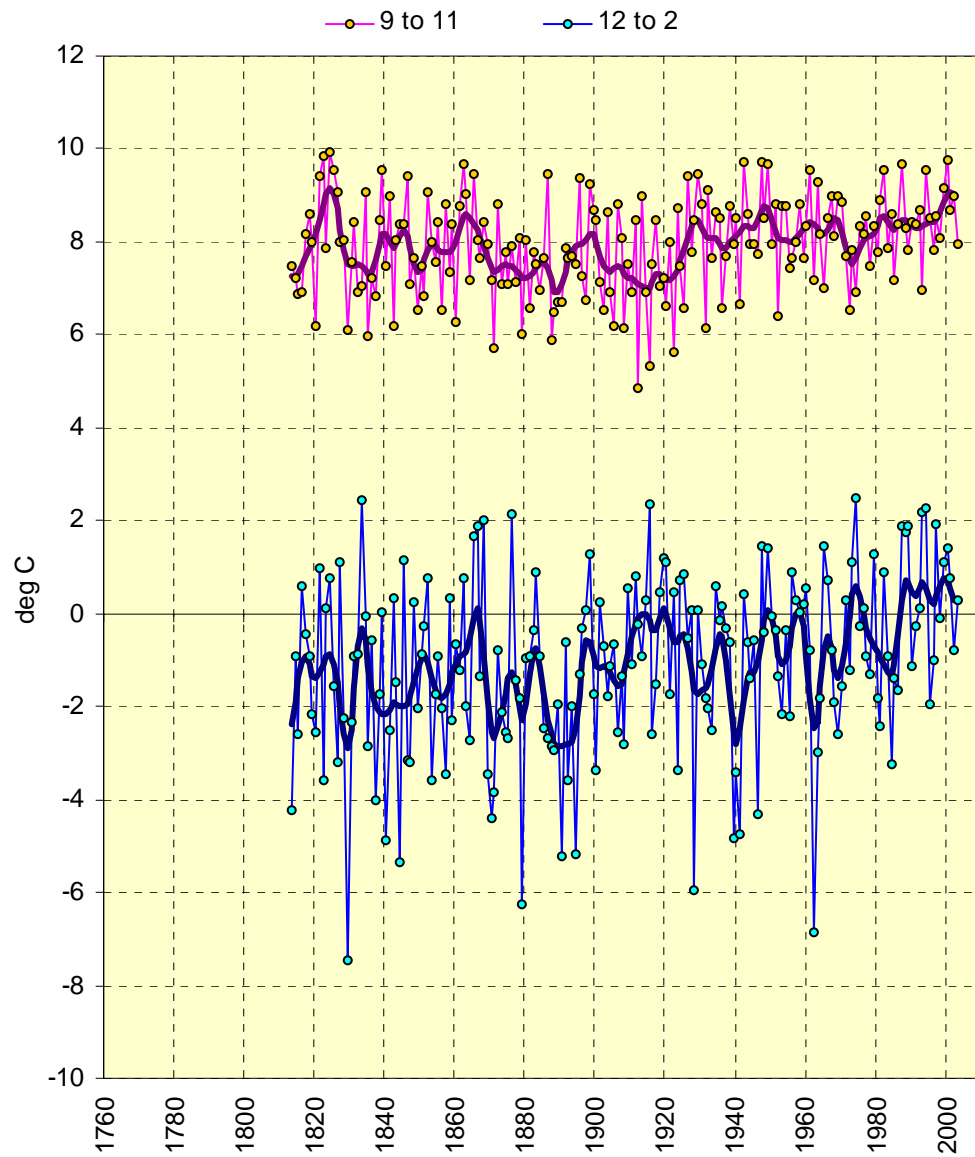
part 3:
MEAN AIR TEMPERATURE
AUTUMN and WINTER

(Figures of each site in alphabetical order according to station list below)

| HISTALP long-term combi series | | | | | | | | |
|--------------------------------|-------|---------------------------|----|----------|-----------|----------|------------|------------|
| id | abbr. | full name | | deg east | deg north | alt. (m) | start temp | start prec |
| 159 | AUG | Augsburg | DE | 10.93 | 48.42 | 463 | 1813 | 1812 |
| 15 | BAS | Basel - Binningen | CH | 7.60 | 47.60 | 316 | 1760 | 1861 |
| 17 | BER | Bern | CH | 7.43 | 46.95 | 565 | 1760 | 1856 |
| 19 | BOL | Bologna | IT | 11.25 | 44.48 | 60 | 1814 | 1813 |
| 22 | BRL | Bratislava-Koliba | SK | 17.10 | 48.17 | 280 | 1850 | 1857 |
| 165 | BRN | Brno-Turany | CZ | 16.70 | 49.16 | 241 | 1848 | 1805 |
| 215 | BUL | Budapest - Lörinc Airport | HU | 19.22 | 47.45 | 130 | 1780 | 1841 |
| 37 | DIJ | Dijon-Longvic | FR | 5.08 | 47.27 | 227 | 1845 | 1831 |
| 48 | GNV | Genève | CH | 6.15 | 46.20 | 405 | 1760 | 1826 |
| 49 | GOV | Genova | IT | 9.00 | 44.40 | 53 | 1833 | 1833 |
| 52 | GSB | Gr. St. Bernhard | CH | 7.18 | 45.87 | 2472 | 1818 | |
| 53 | GRA | Graz - Universität | AT | 15.45 | 47.08 | 377 | 1837 | 1837 |
| 56 | HOP | Hohenpeißenberg | DE | 11.02 | 47.80 | 986 | 1781 | 1800 |
| 58 | HVR | Hvar | HR | 16.43 | 43.17 | 20 | 1858 | 1858 |
| 59 | INN | Innsbruck-Universität | AT | 11.38 | 47.27 | 609 | 1777 | 1858 |
| 173 | KAR | Karlsruhe | DE | 8.35 | 49.03 | 112 | 1779 | 1801 |
| 64 | KLA | Klagenfurt-Flughafen | AT | 14.33 | 46.65 | 459 | 1813 | 1813 |
| 67 | KRE | Kremsmünster | AT | 14.13 | 48.05 | 389 | 1767 | 1820 |
| 75 | LIN | Linz | AT | 14.28 | 48.30 | 263 | 1816 | 1852 |
| 77 | LJU | Ljubljana | SI | 14.52 | 46.07 | 316 | 1851 | 1853 |
| 83 | MAN | Mantova | IT | 10.75 | 45.15 | 20 | 1828 | 1840 |
| 87 | MAR | Marseille - Marseilles | FR | 5.23 | 43.44 | 5 | 1847 | 1800 |
| 88 | MIL | Milano | IT | 9.00 | 45.47 | 122 | 1763 | 1800 |
| 92 | MUN | München-Stadt | DE | 11.55 | 48.18 | 525 | 1781 | 1848 |
| 93 | NAN | Nancy-Essey | FR | 6.22 | 48.68 | 217 | 1841 | 1811 |
| 96 | NIC | Nice - Aeroport | FR | 7.20 | 43.65 | 4 | 1806 | 1870 |
| 100 | PAD | Padova | IT | 11.75 | 45.40 | 14 | 1774 | 1800 |
| 193 | RBG | Regensburg | DE | 12.10 | 49.03 | 366 | 1773 | 1800 |
| 122 | SAL | Salzburg-Flughafen | AT | 13.00 | 47.80 | 450 | 1842 | 1839 |
| 124 | SNT | Säntis | CH | 9.35 | 47.25 | 2500 | 1864 | |
| 196 | SAR | Sarajewo | BA | 18.43 | 43.87 | 630 | 1880 | 1880 |
| 127 | SON | Sonnblick | AT | 12.95 | 47.05 | 3105 | 1887 | |
| 135 | STR | Strasbourg - Entzheim | FR | 7.64 | 48.55 | 150 | 1801 | 1803 |
| 136 | STU | Stuttgart-Schnarrenberg | DE | 9.20 | 48.83 | 311 | 1792 | 1807 |
| 139 | TOR | Torino | IT | 7.75 | 45.05 | 275 | 1760 | 1803 |
| 141 | TRT | Trento | IT | 11.12 | 46.07 | 199 | 1816 | 1864 |
| 142 | TRI | Trieste | IT | 13.75 | 45.65 | 67 | 1841 | 1841 |
| 143 | UDI | Udine | IT | 13.20 | 46.00 | 51 | 1803 | 1803 |
| 145 | VEN | Venezia | IT | 12.25 | 45.43 | 1 | 1869 | 1836 |
| 251 | VER | Verona | IT | 10.87 | 45.38 | 67 | 1788 | |
| 147 | VIA | Villacher Alpe - Obir | AT | 13.67 | 46.60 | 2160 | 1851 | |
| 152 | WIE | Wien-Hohe Warte | AT | 16.35 | 48.22 | 209 | 1775 | 1841 |
| 153 | ZAG | Zagreb-Gric | HR | 15.98 | 45.82 | 162 | 1862 | 1862 |
| 156 | ZUG | Zugspitze | DE | 10.98 | 47.42 | 2962 | 1901 | |
| 157 | ZUR | Zürich Meteo Schweiz | CH | 8.57 | 47.38 | 569 | 1830 | 1830 |

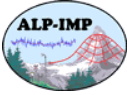


Augsburg : air temperature 1813-2003

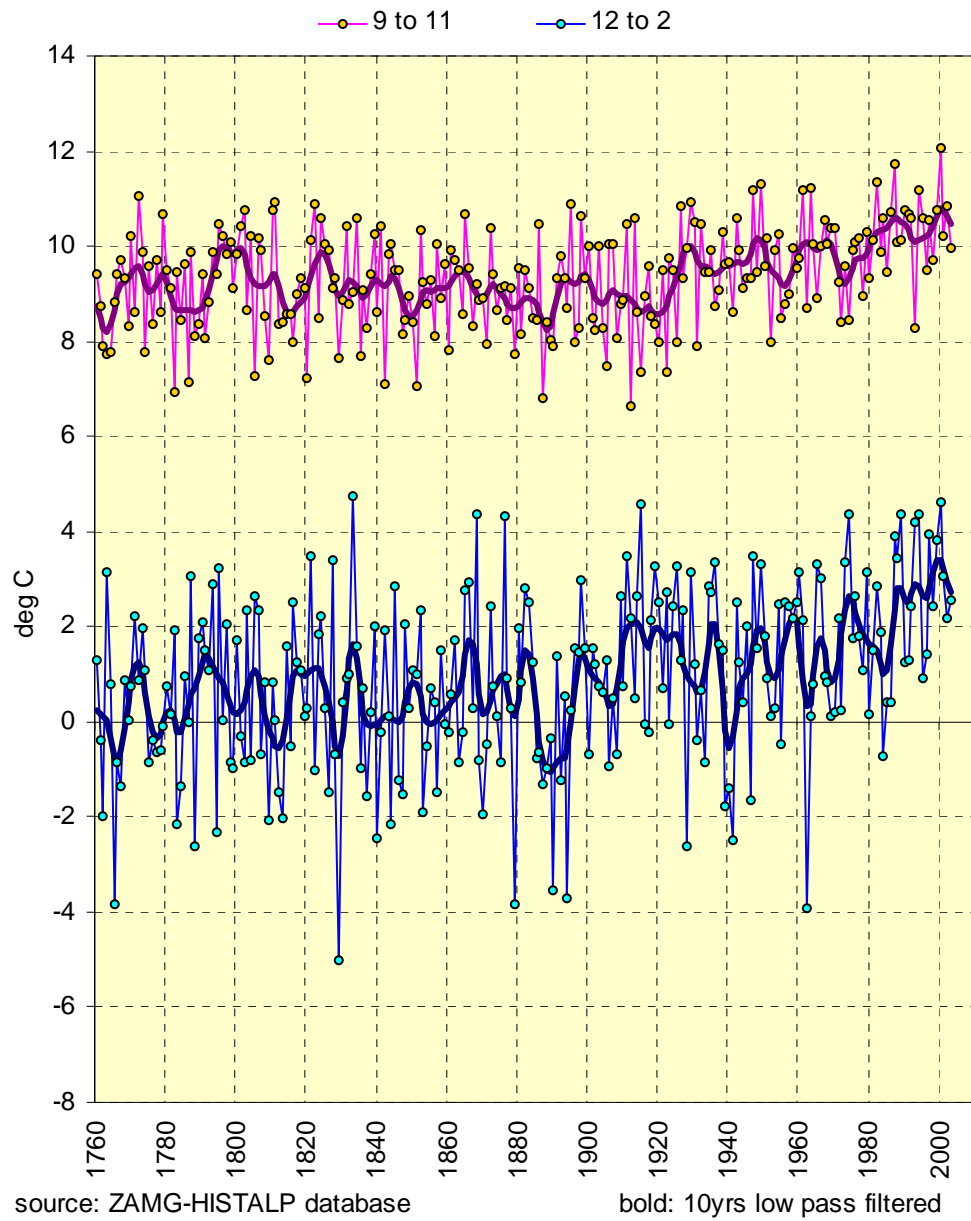


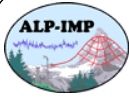
source: ZAMG-HISTALP database

bold: 10yrs low pass filtered

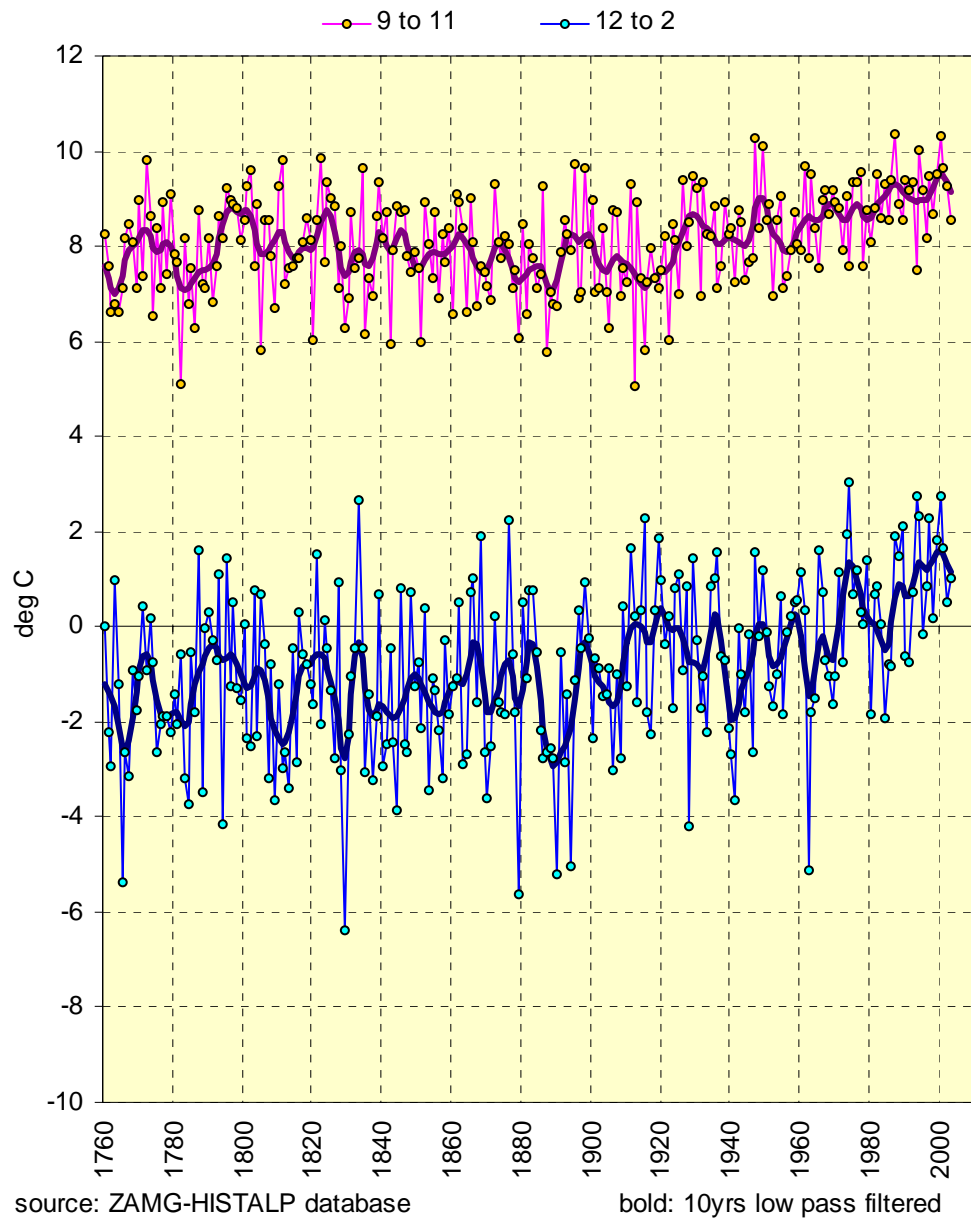


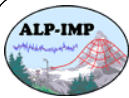
Basel : air temperature 1760-2003



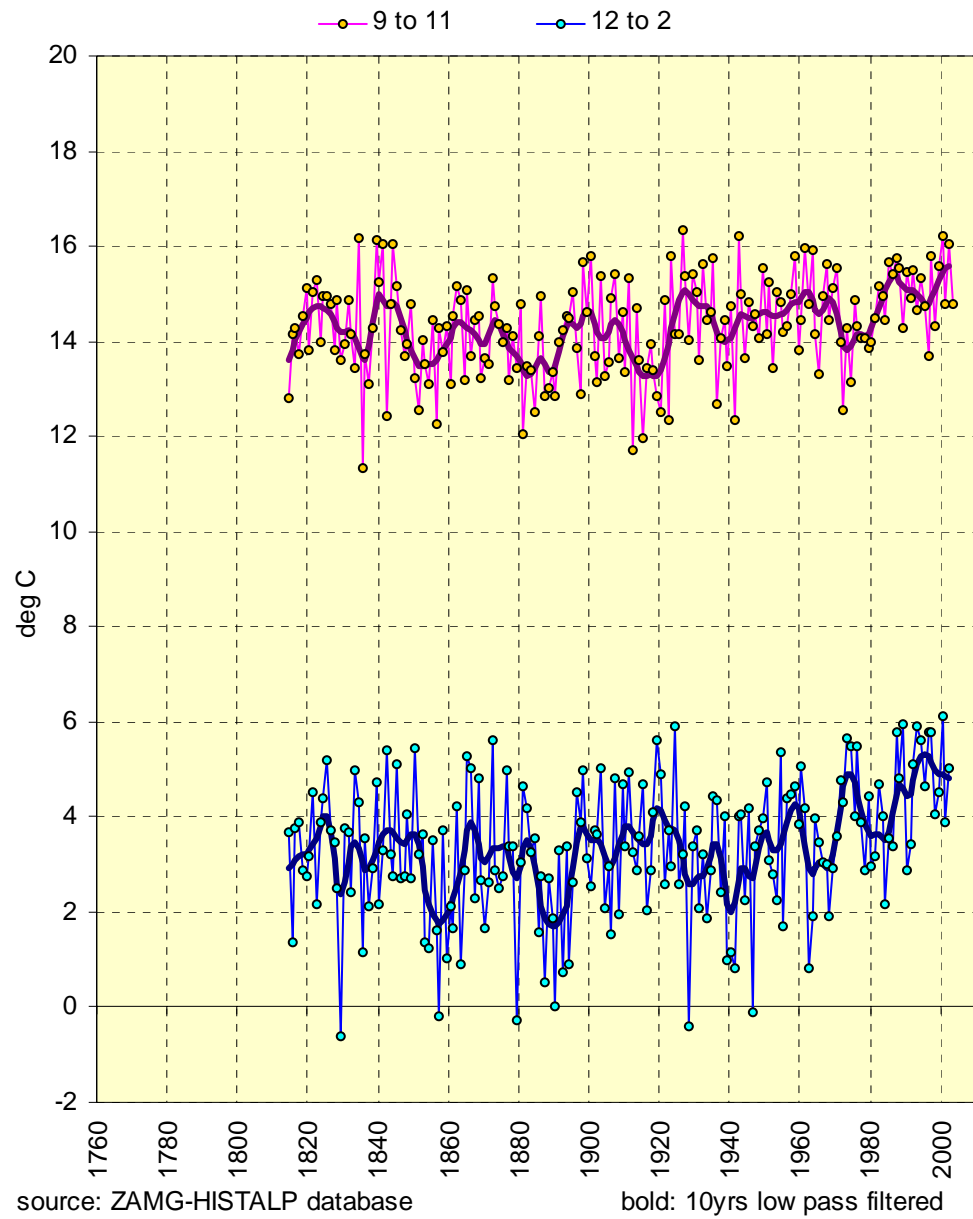


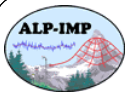
Bern : air temperature 1760-2003



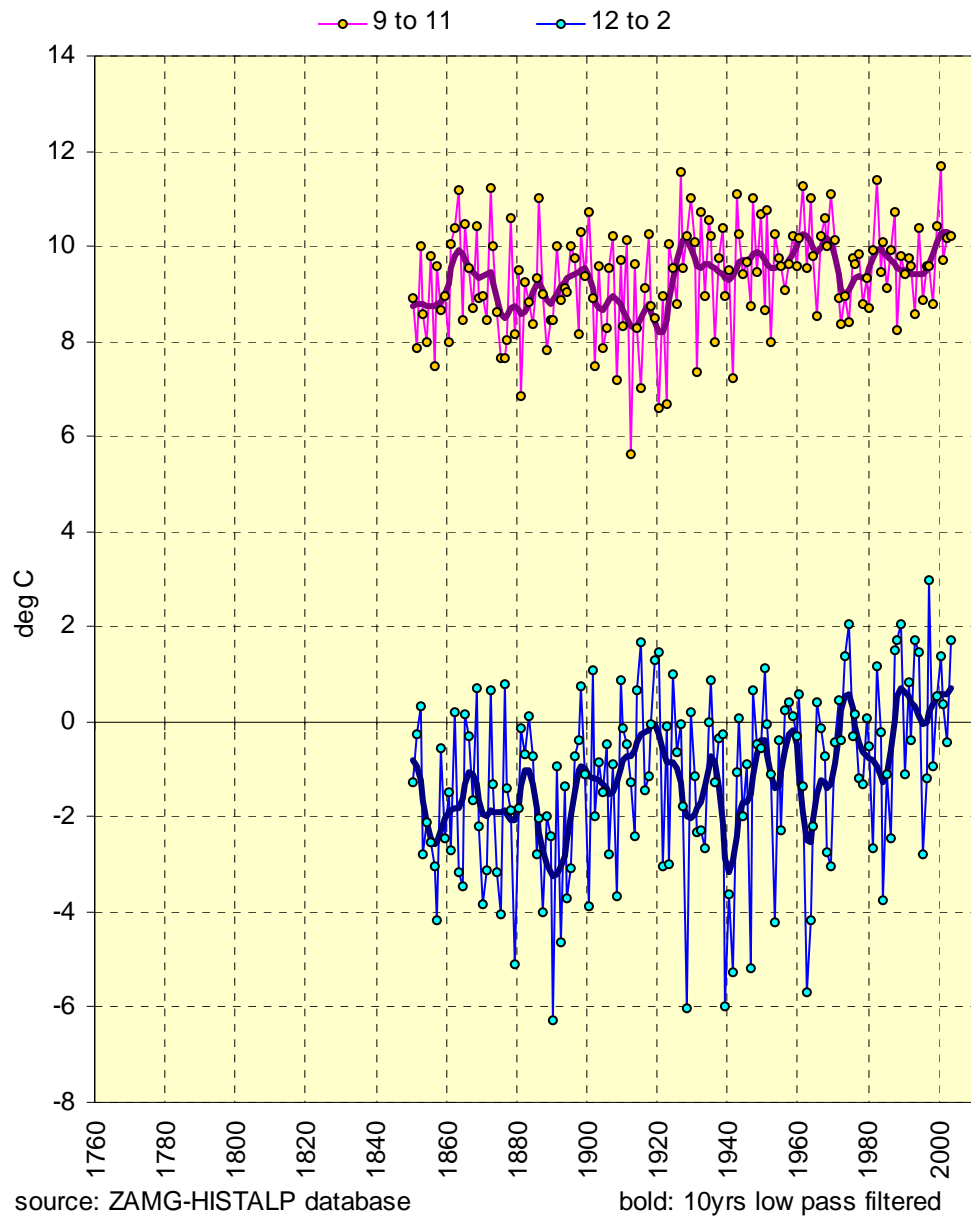


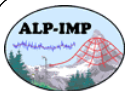
Bologna : air temperature 1814-2003



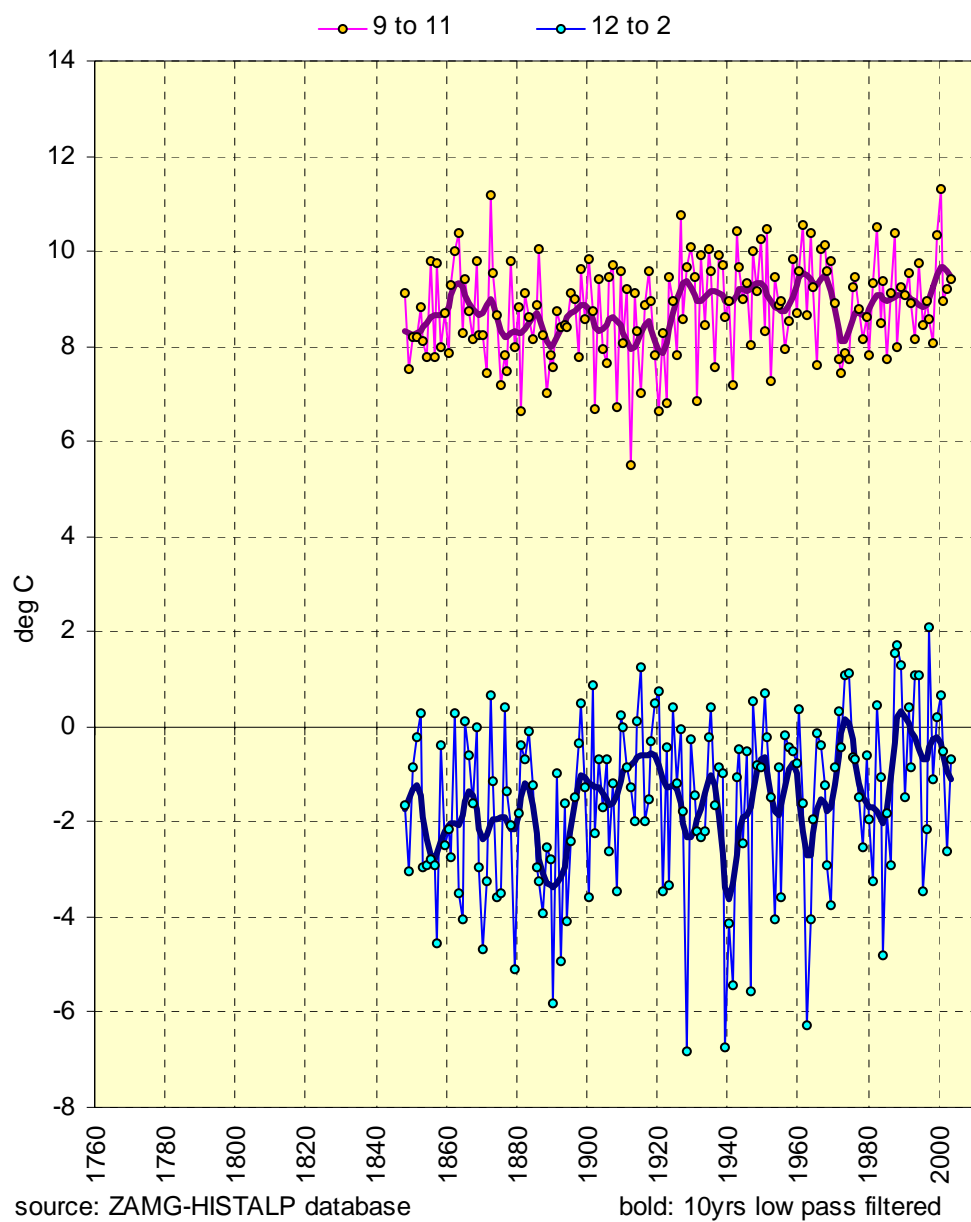


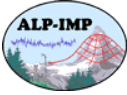
Bratislava : air temperature 1850-2003



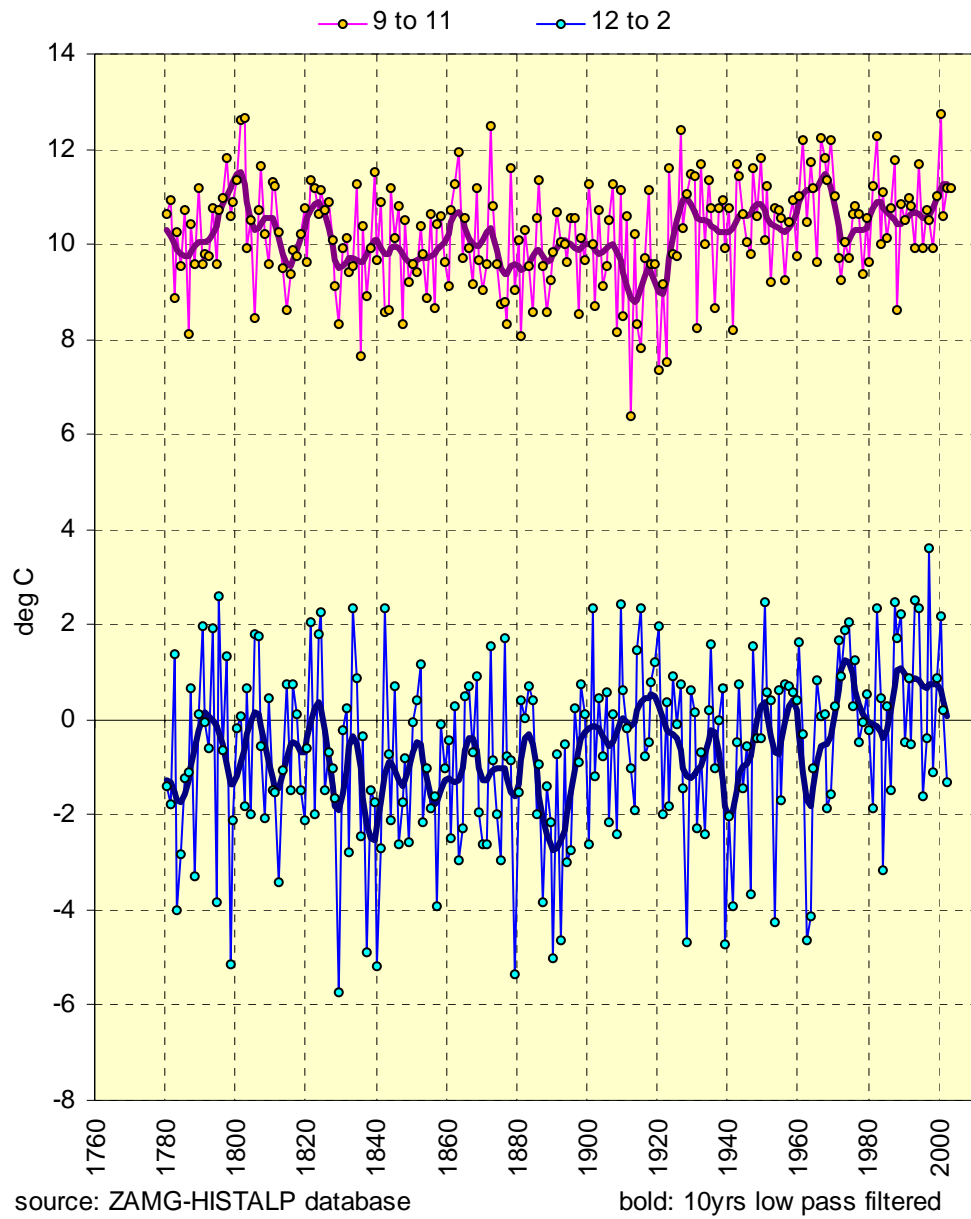


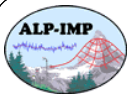
Brno : air temperature 1848-2003



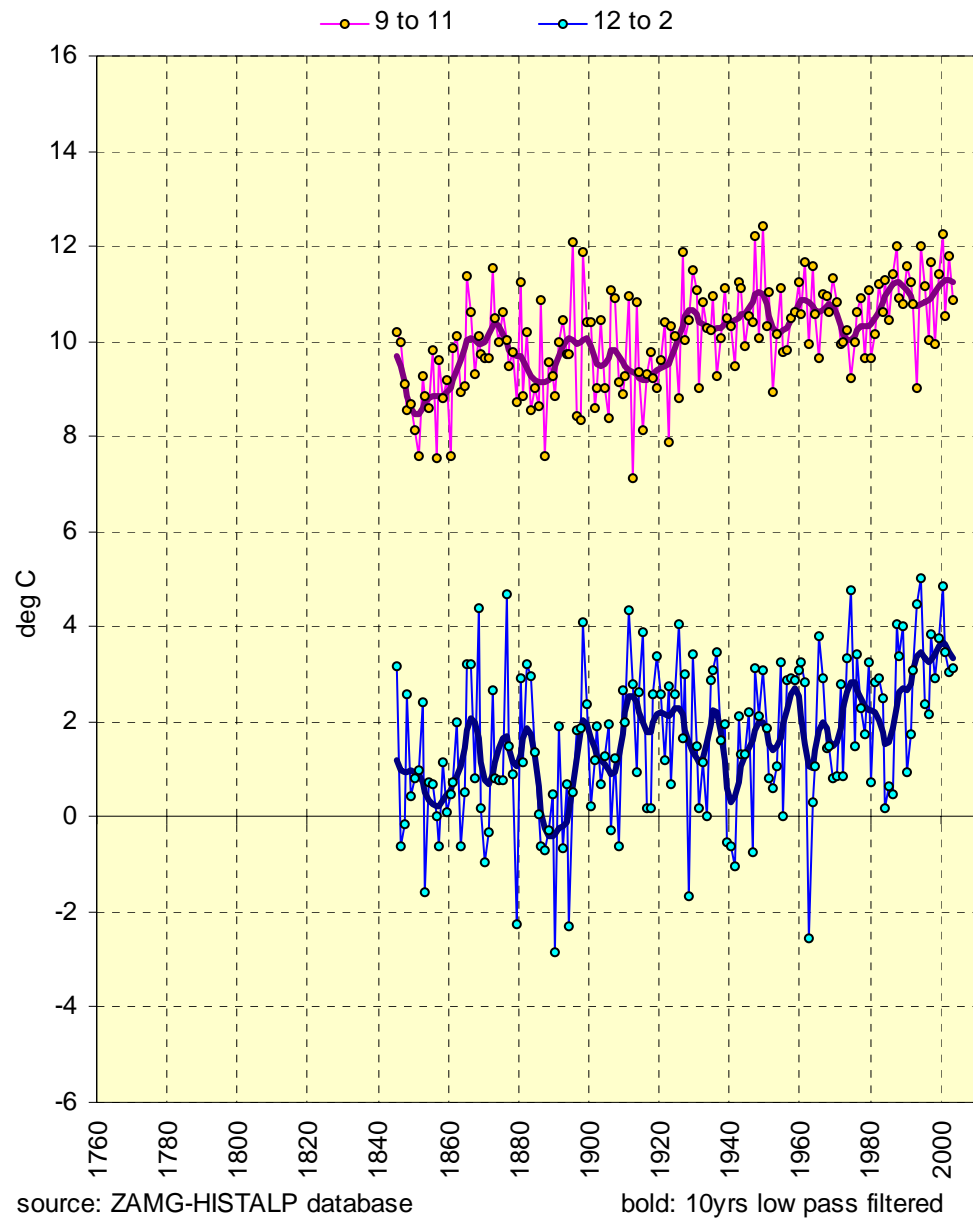


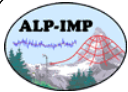
Budapest : air temperature 1780-2003



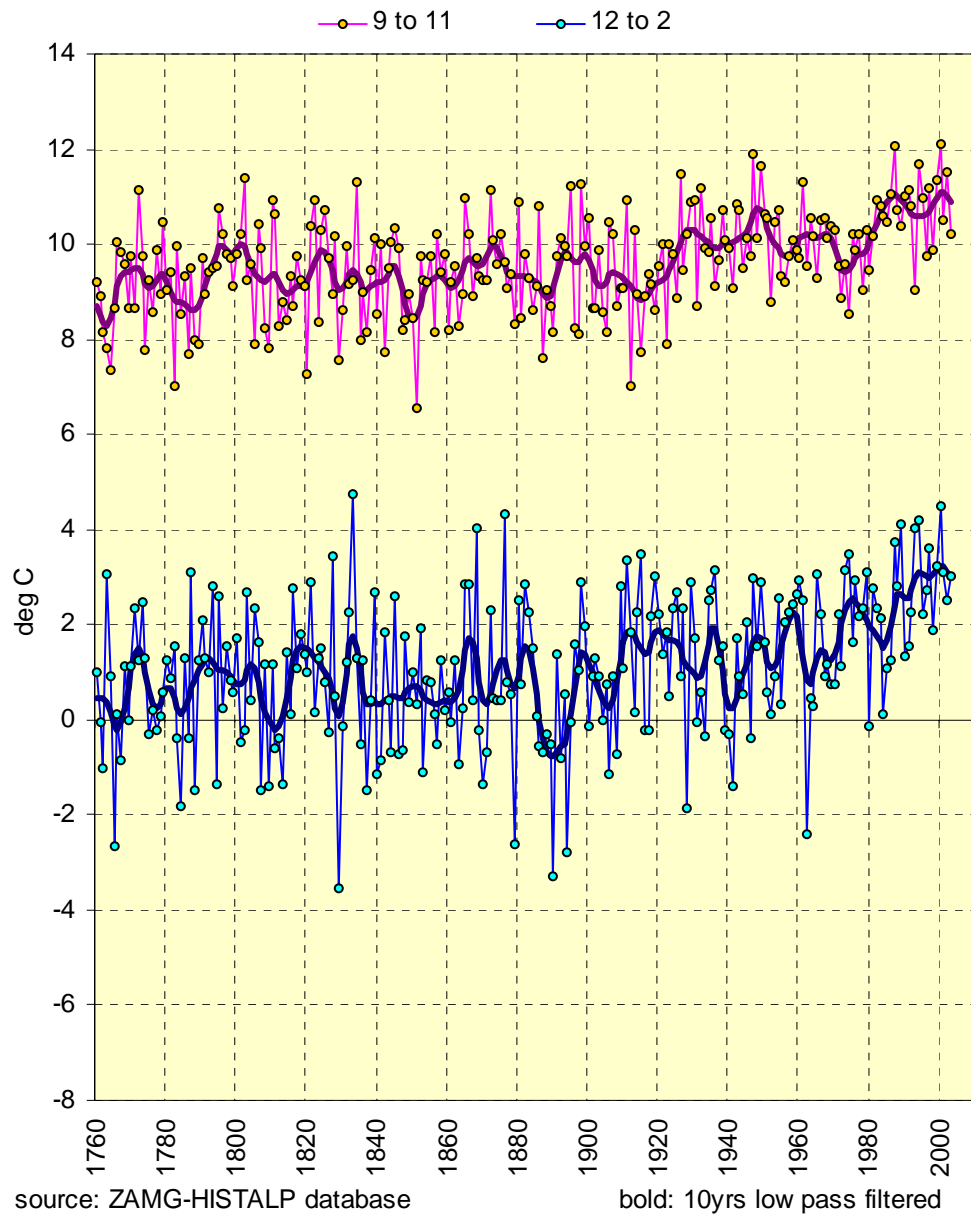


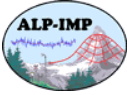
Dijon : air temperature 1845-2003



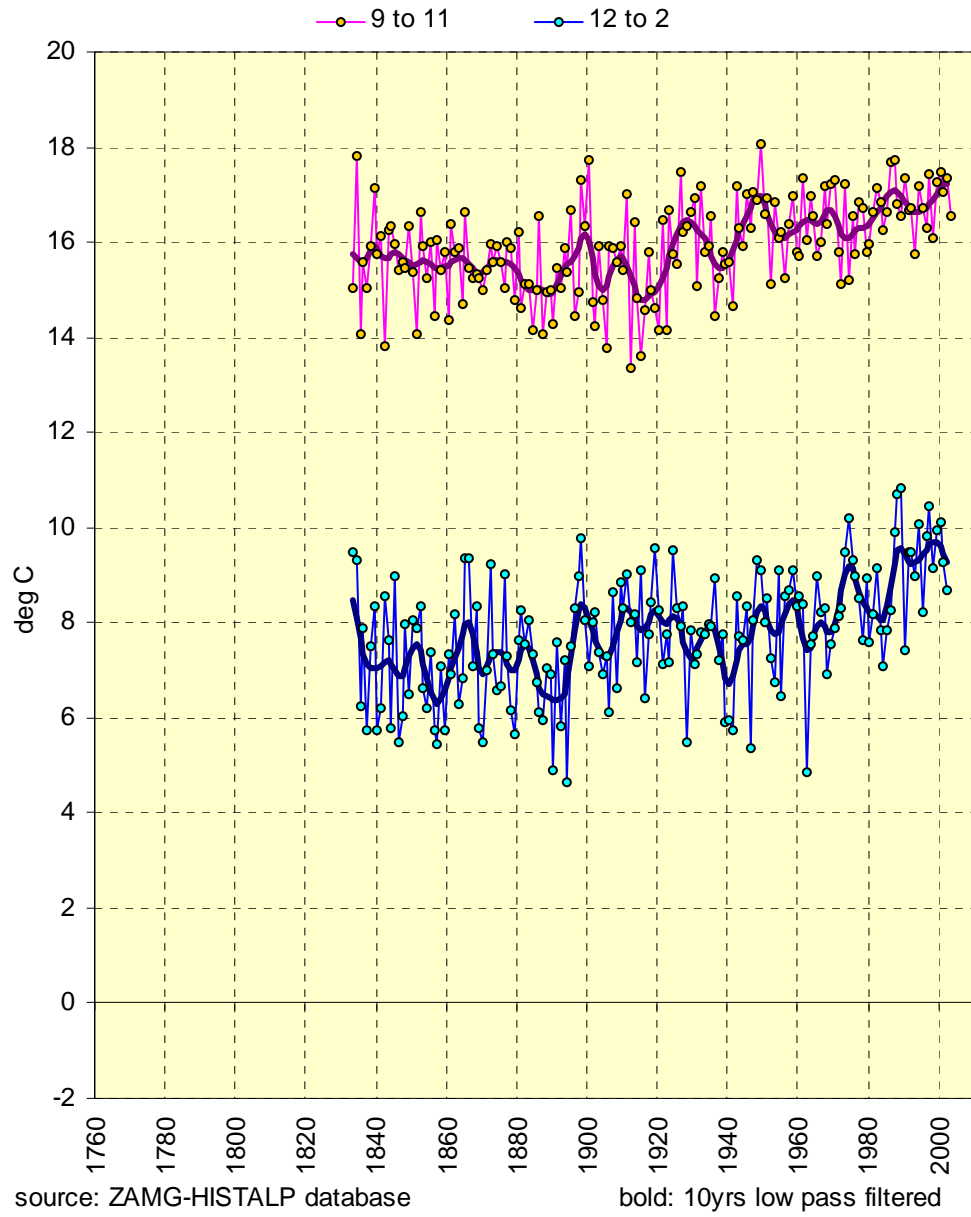


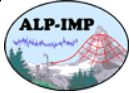
Genève : air temperature 1760-2003



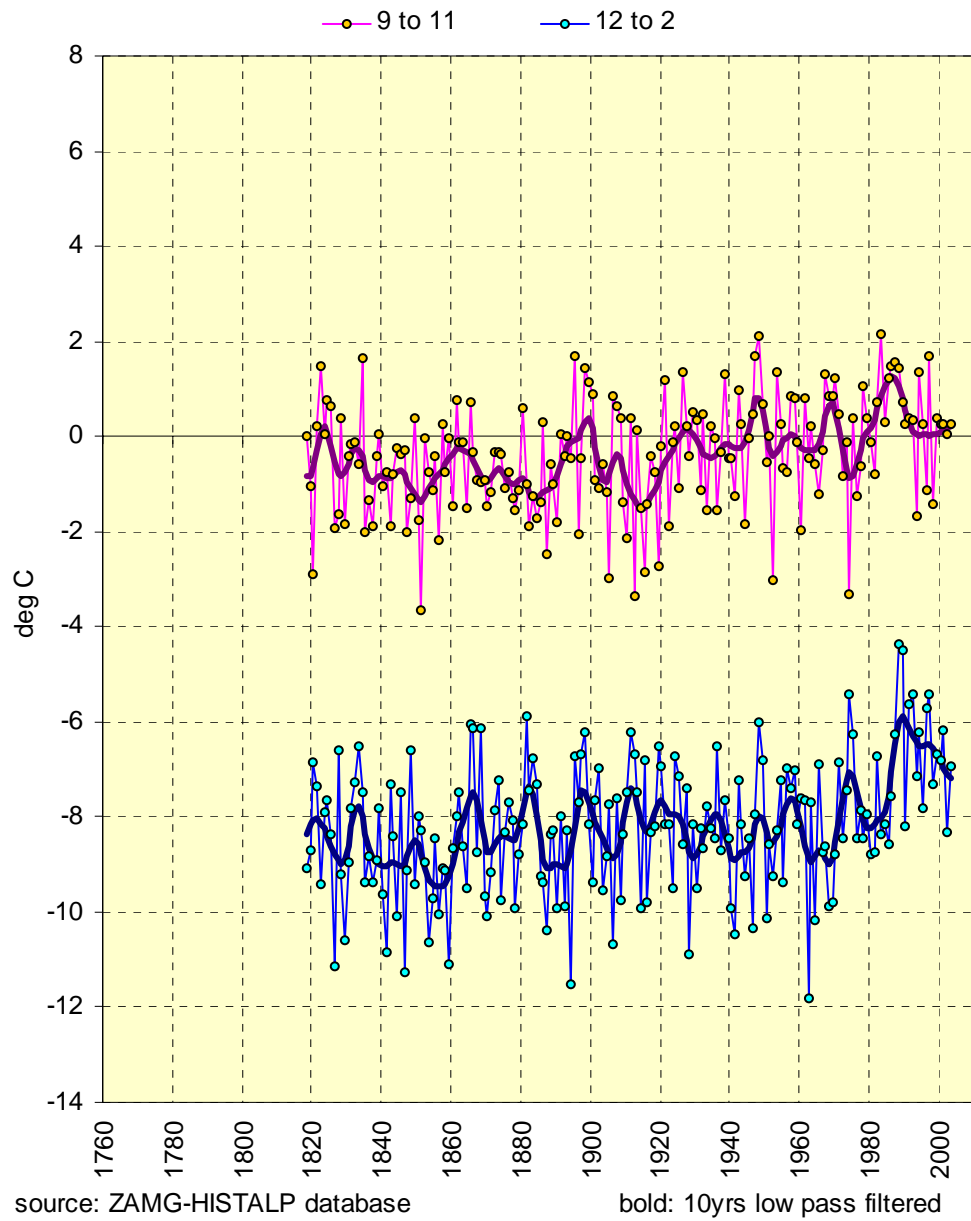


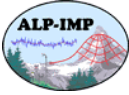
Genova : air temperature 1833-2003



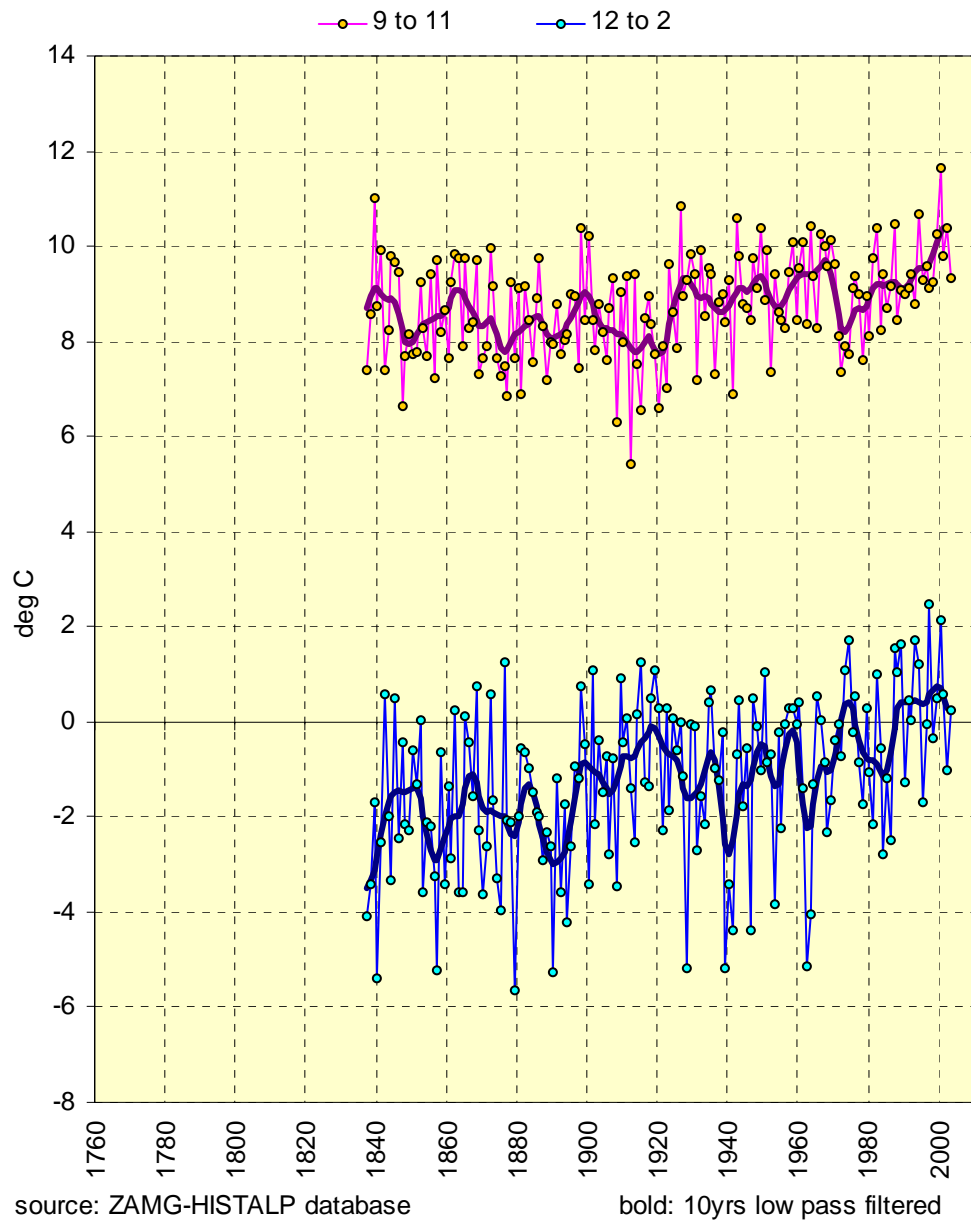


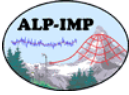
Gr. St. Bernhard : air temperature 1818-2003



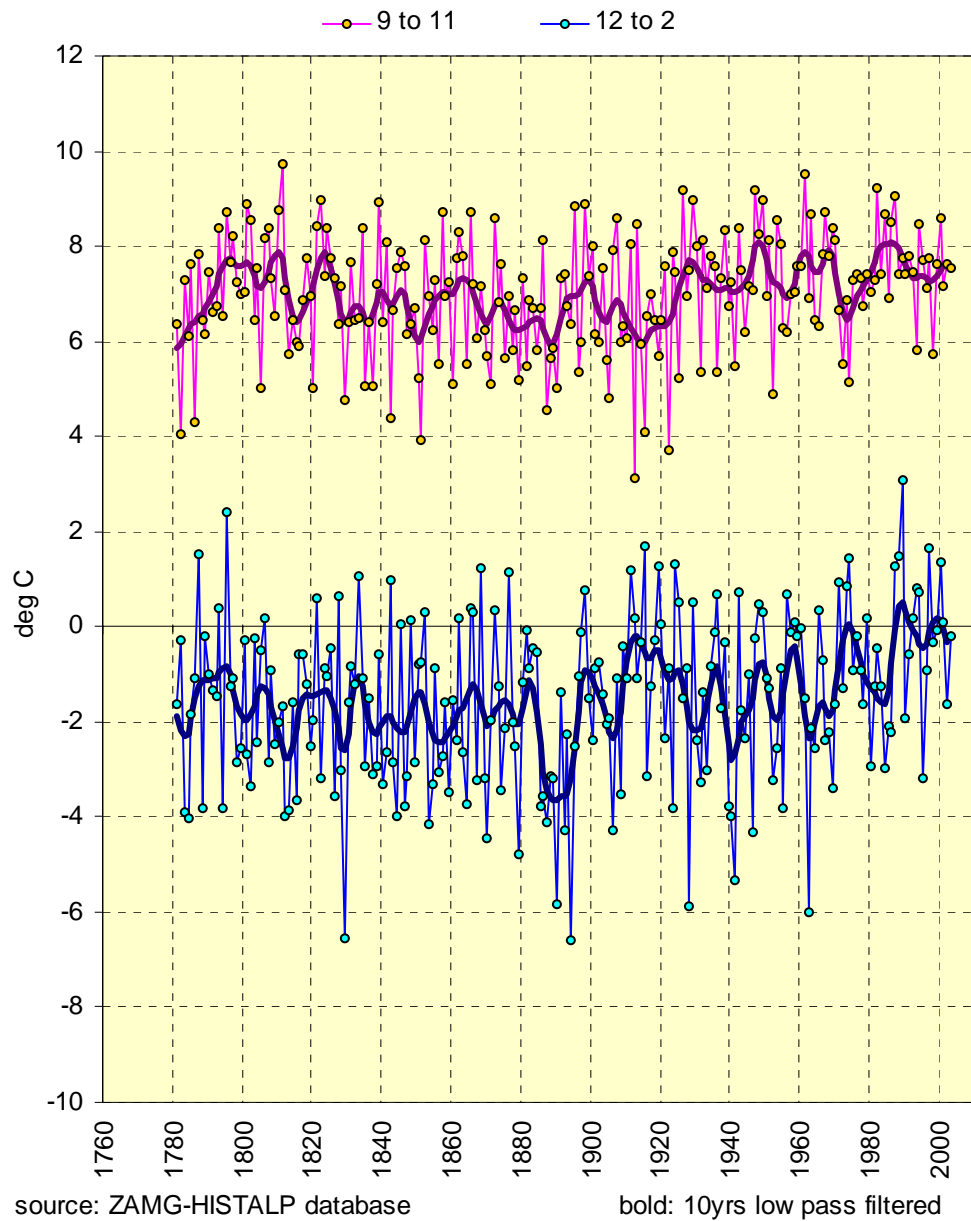


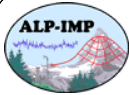
Graz : air temperature 1837-2003



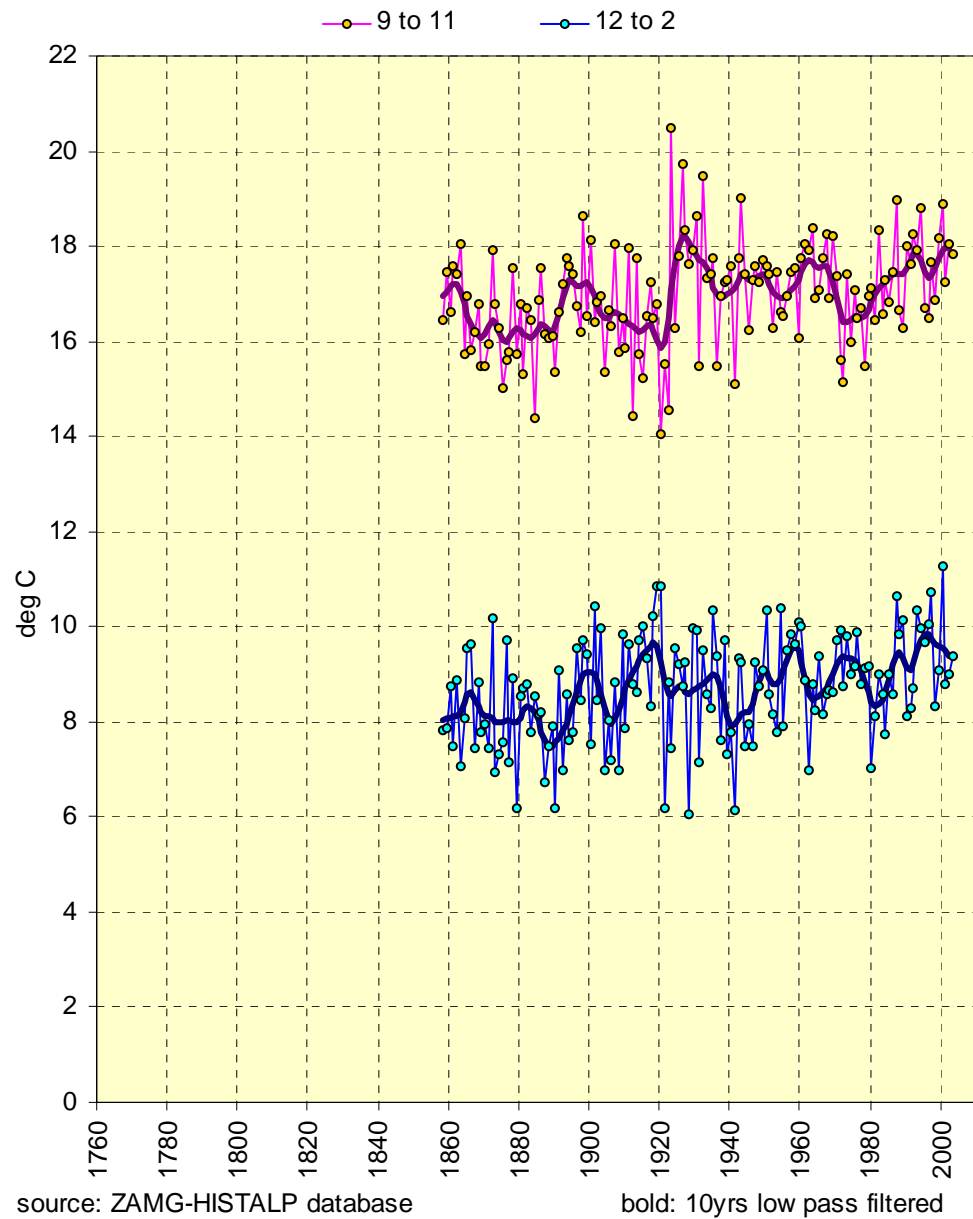


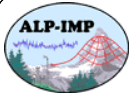
Hohenpeißenberg : air temperature 1781-2003



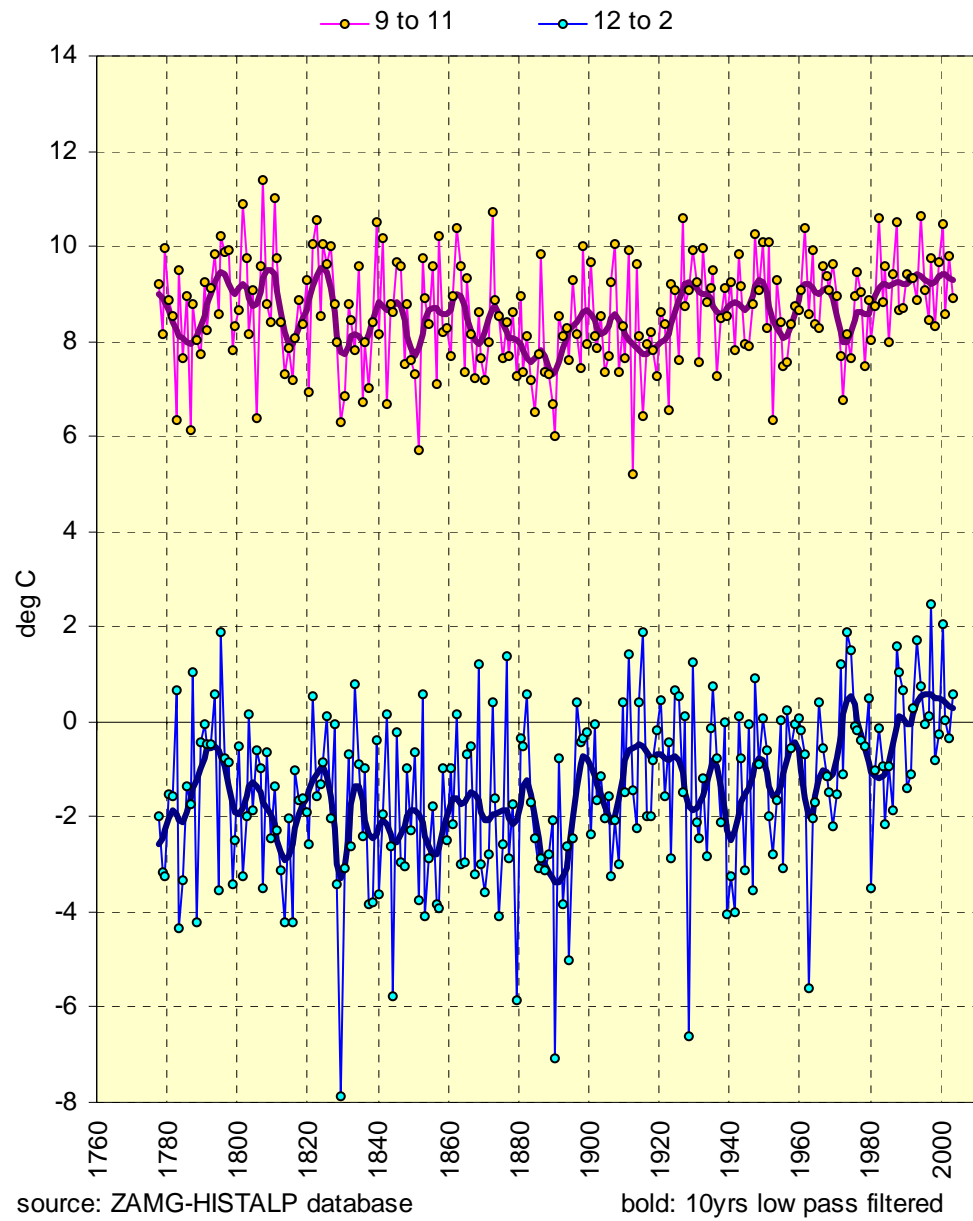


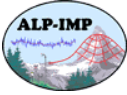
Hvar : air temperature 1858-2003



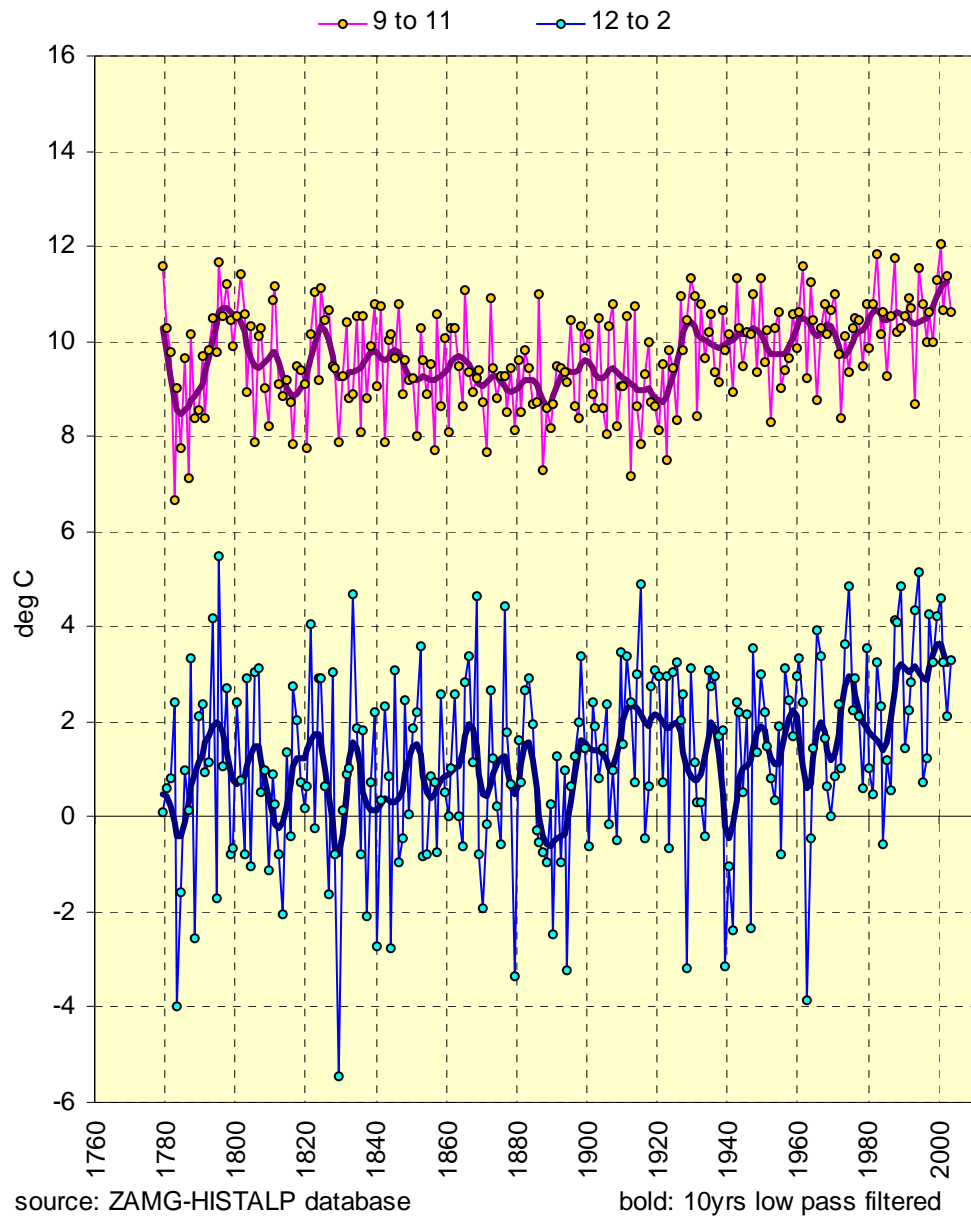


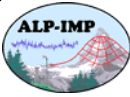
Innsbruck : air temperature 1777-2003



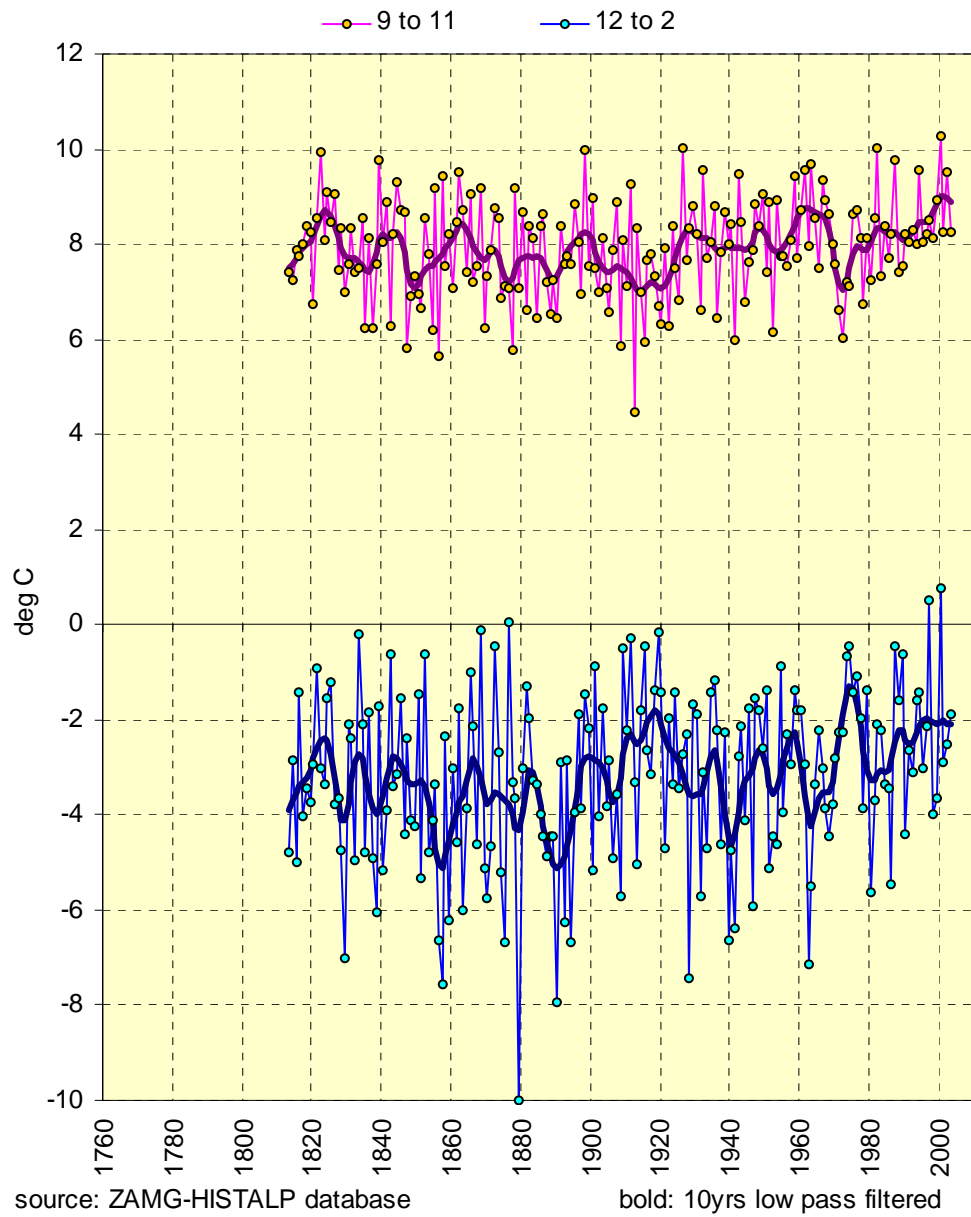


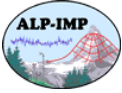
Karlsruhe: air temperature 1779-2003



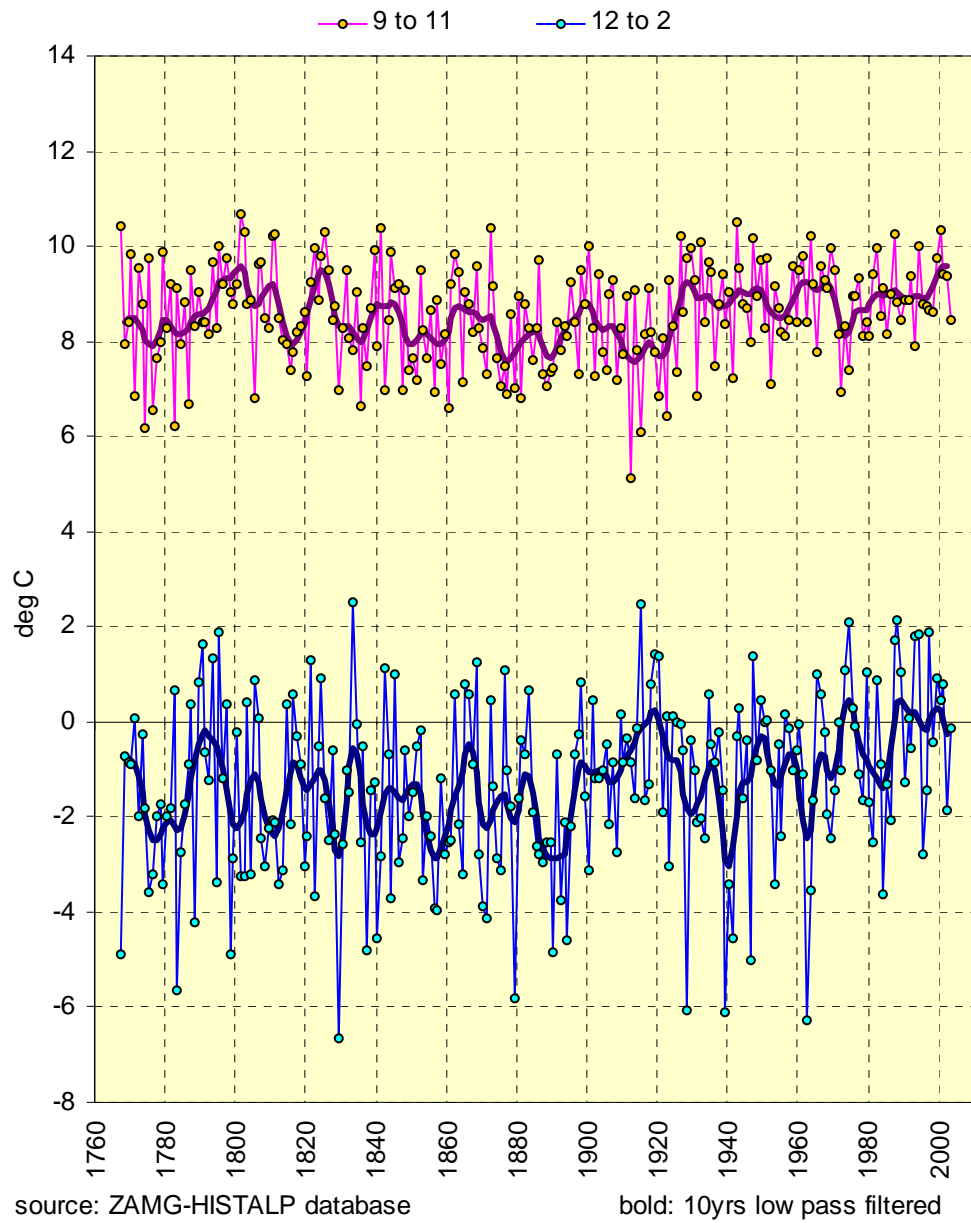


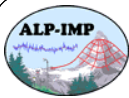
Klagenfurt : air temperature 1813-2003



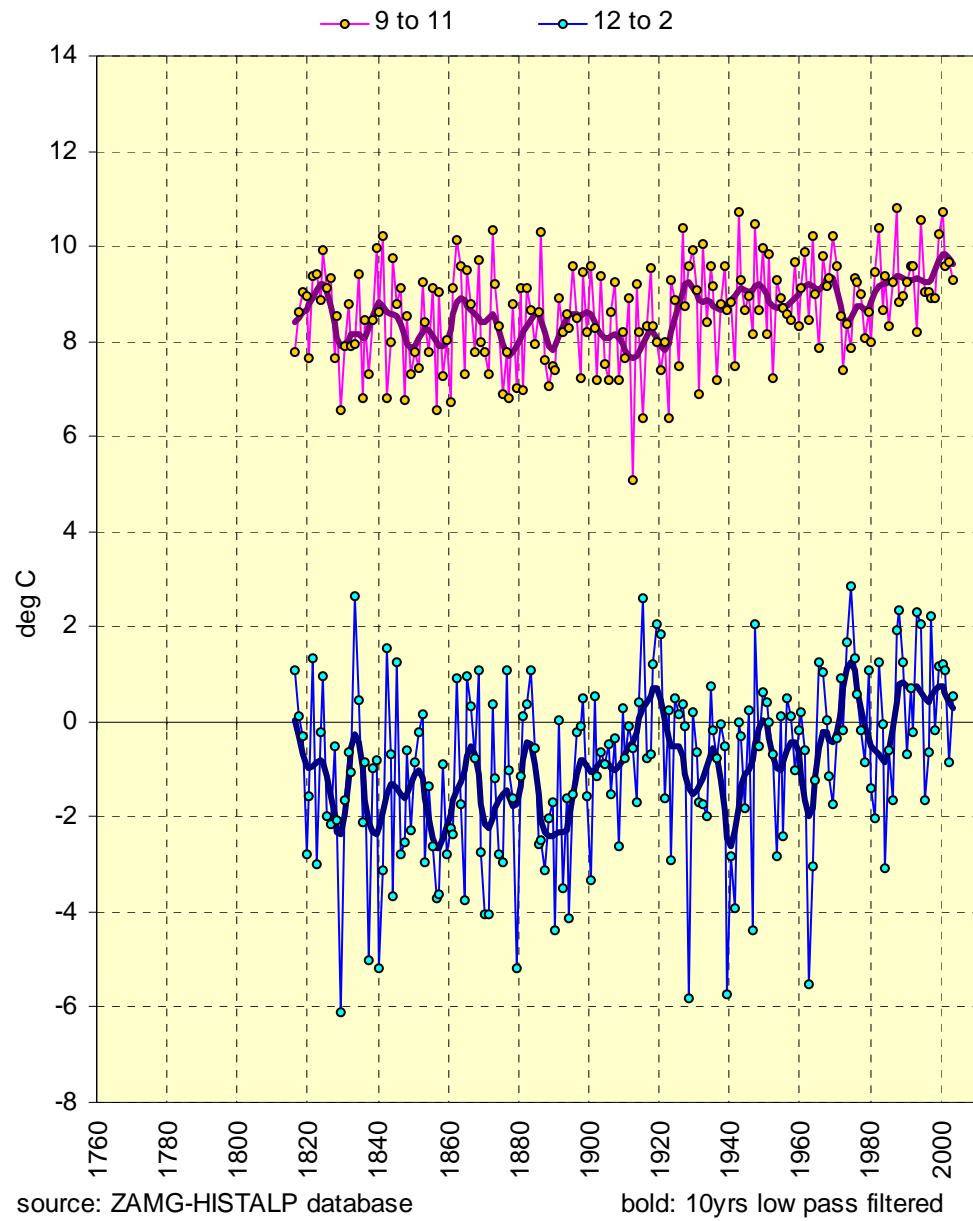


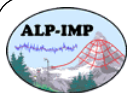
Kremsmünster : air temperature 1767-2003



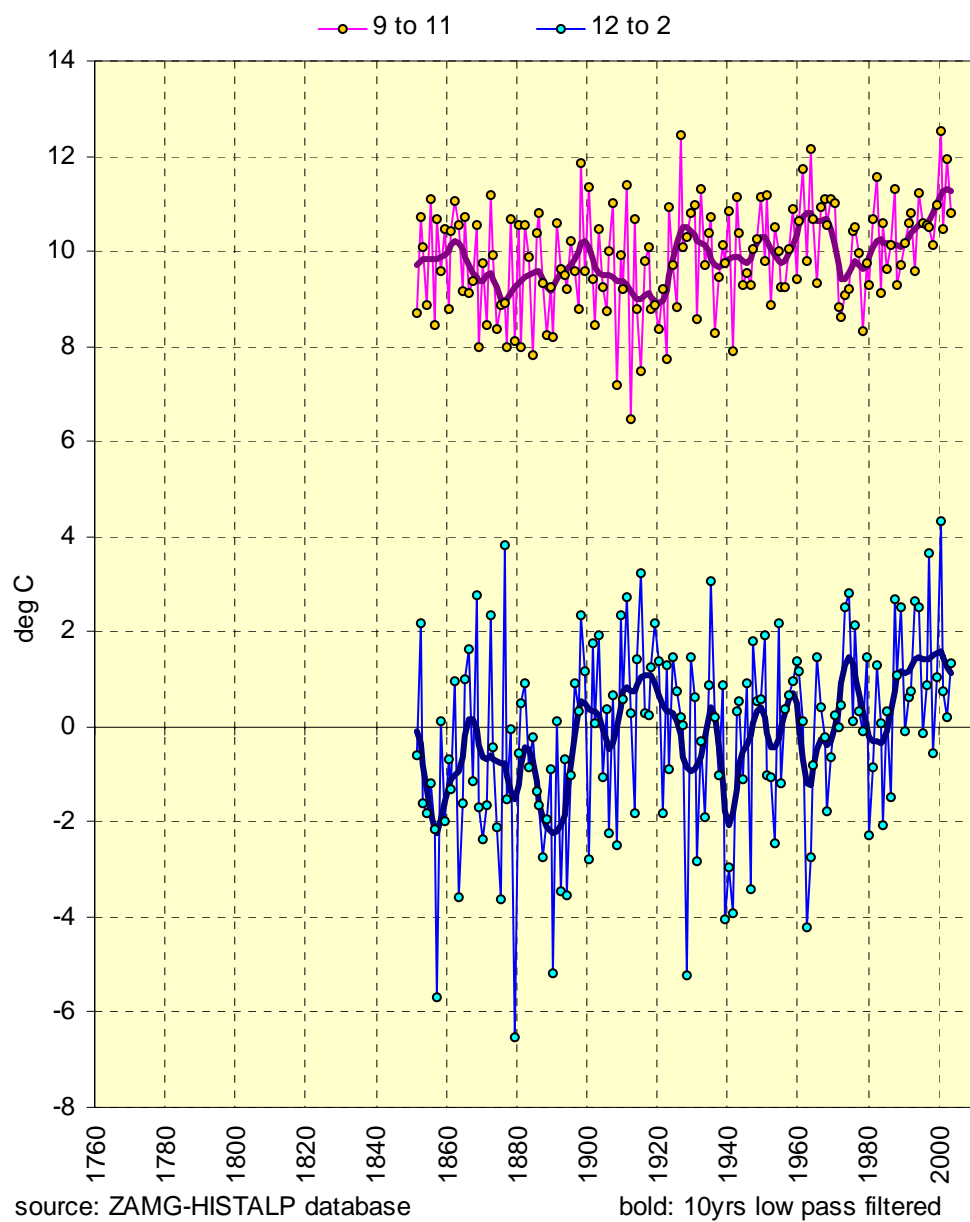


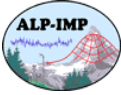
Linz : air temperature 1816-2003



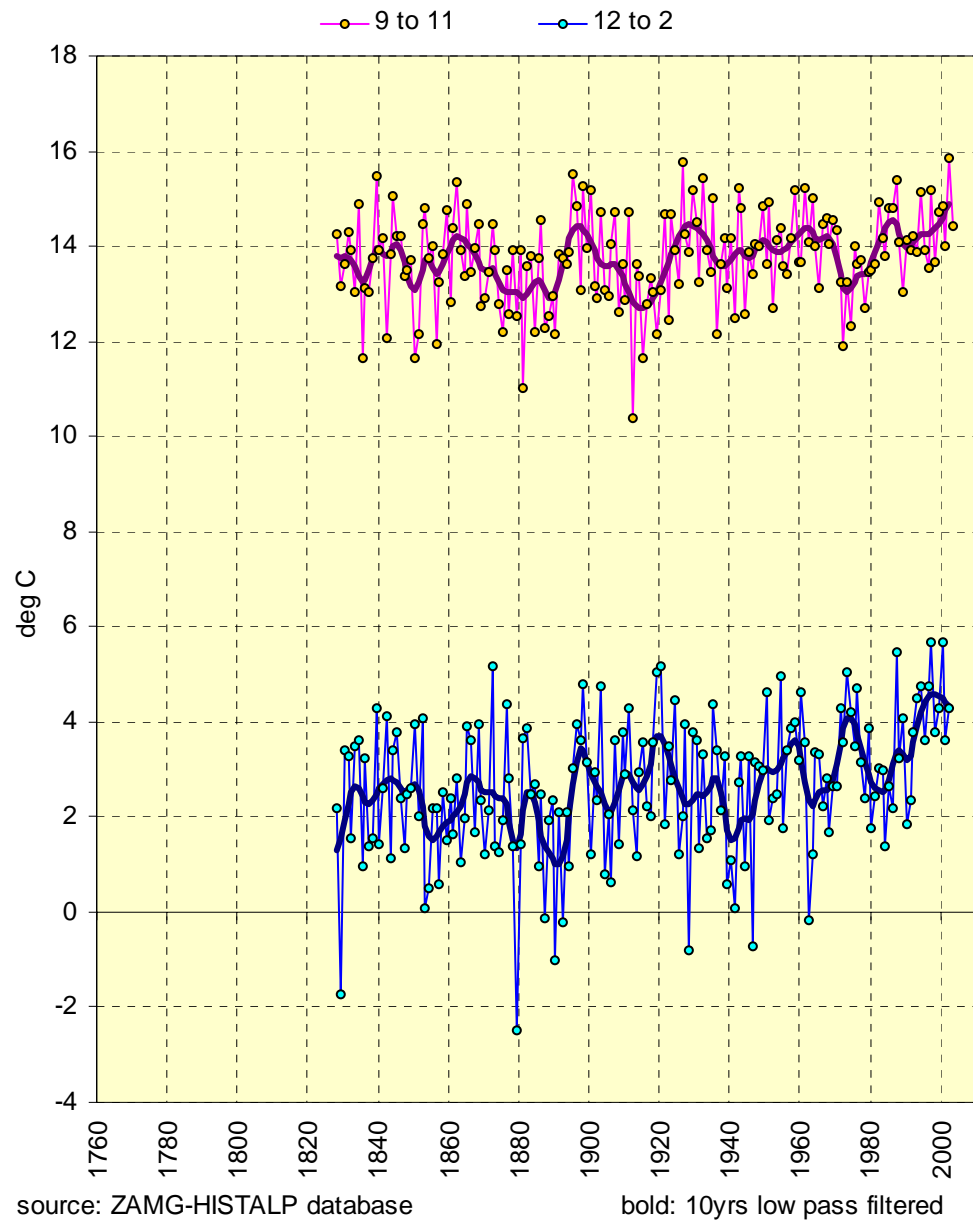


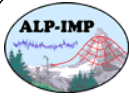
Ljubljana : air temperature 1851-2003



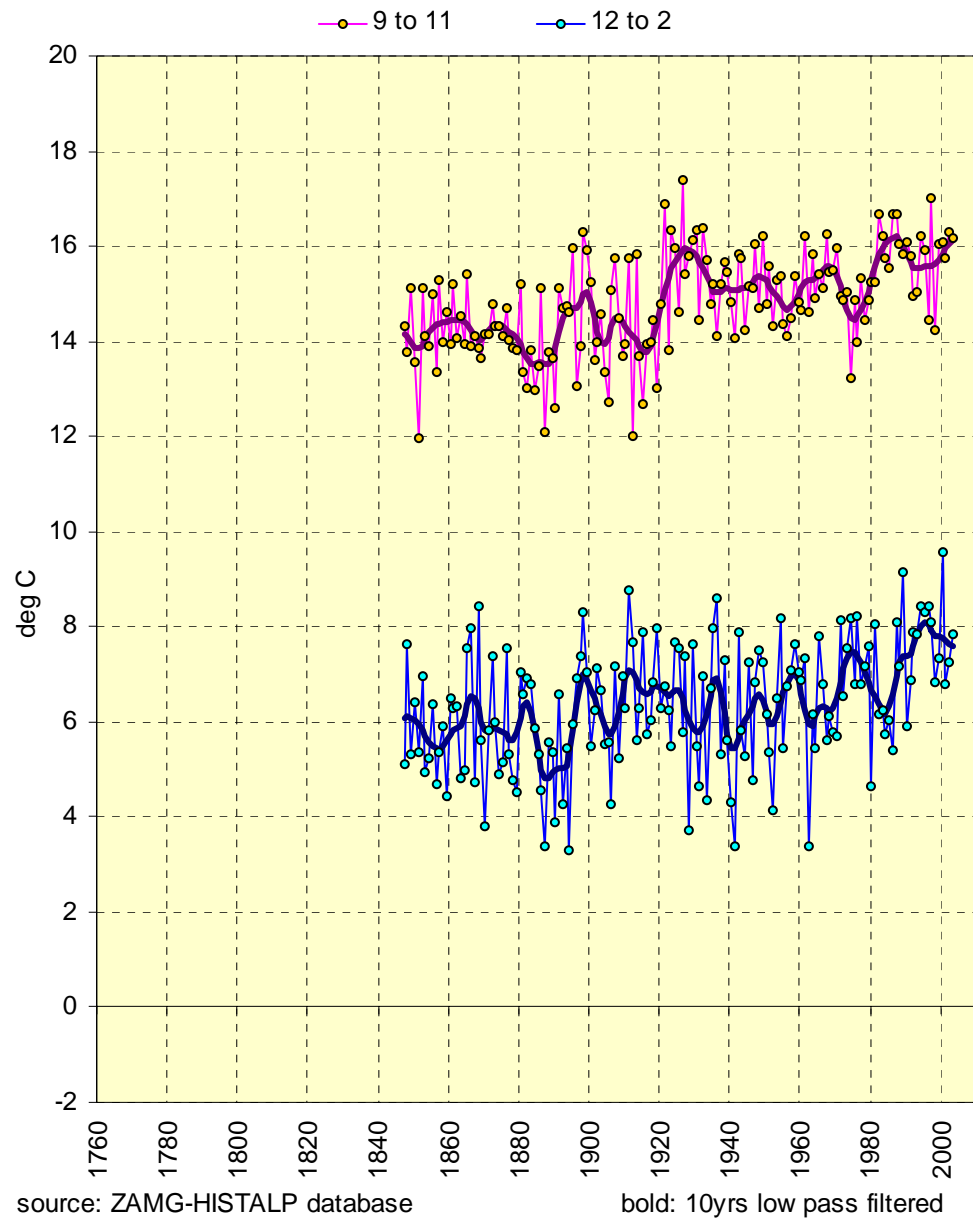


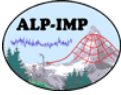
Mantova : air temperature 1828-2003



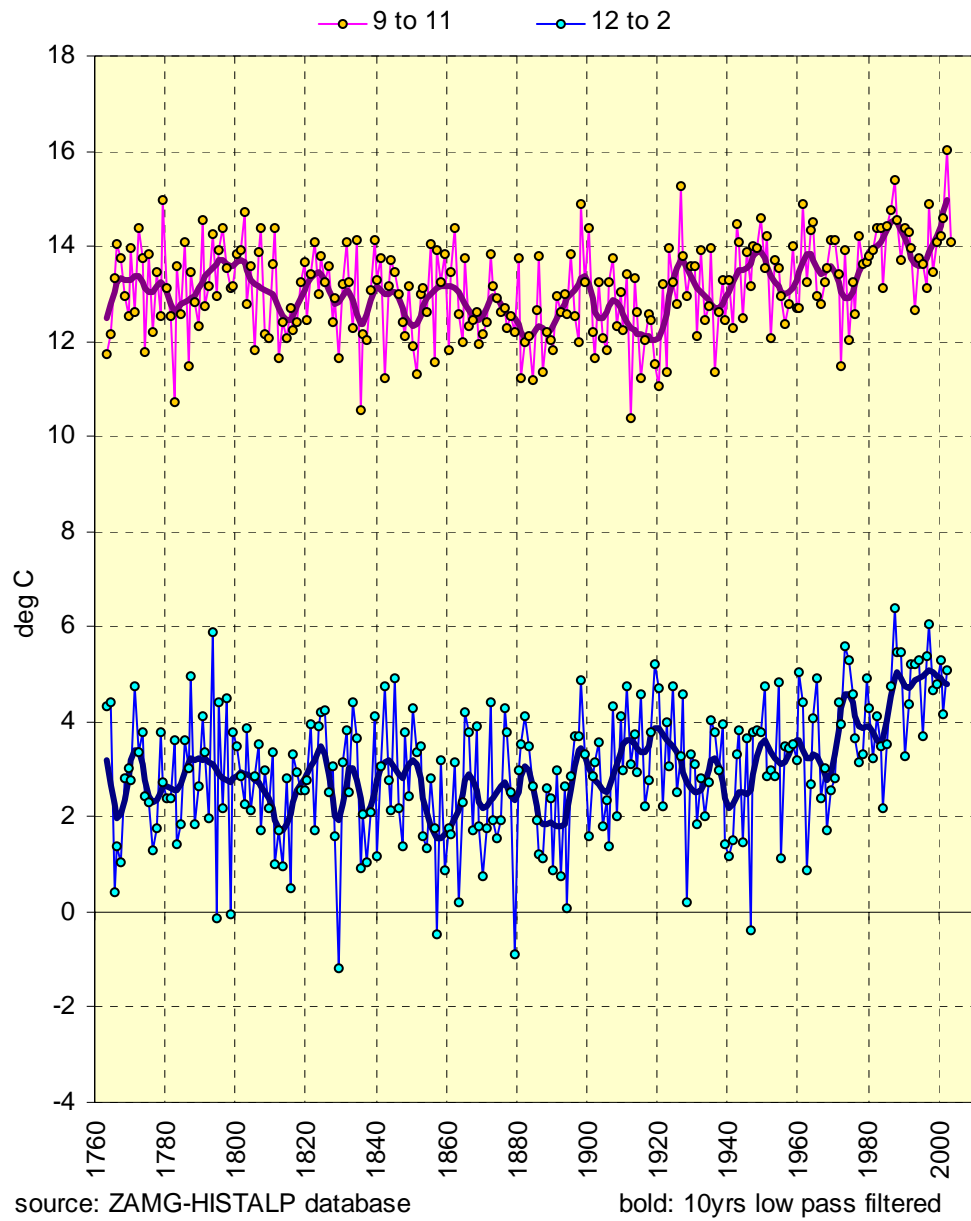


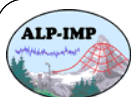
Marseille : air temperature 1847-2003



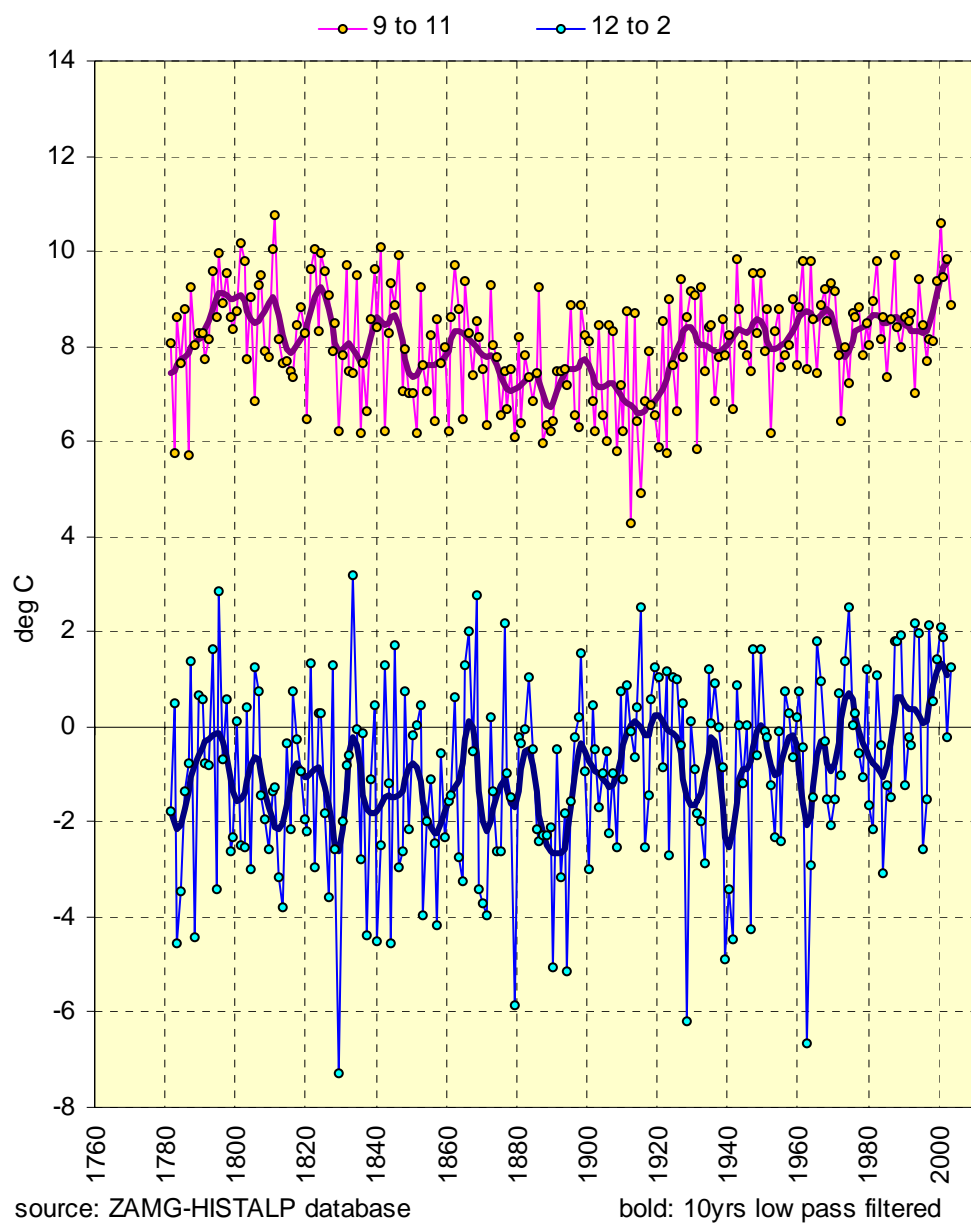


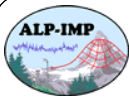
Milano : air temperature 1763-2003



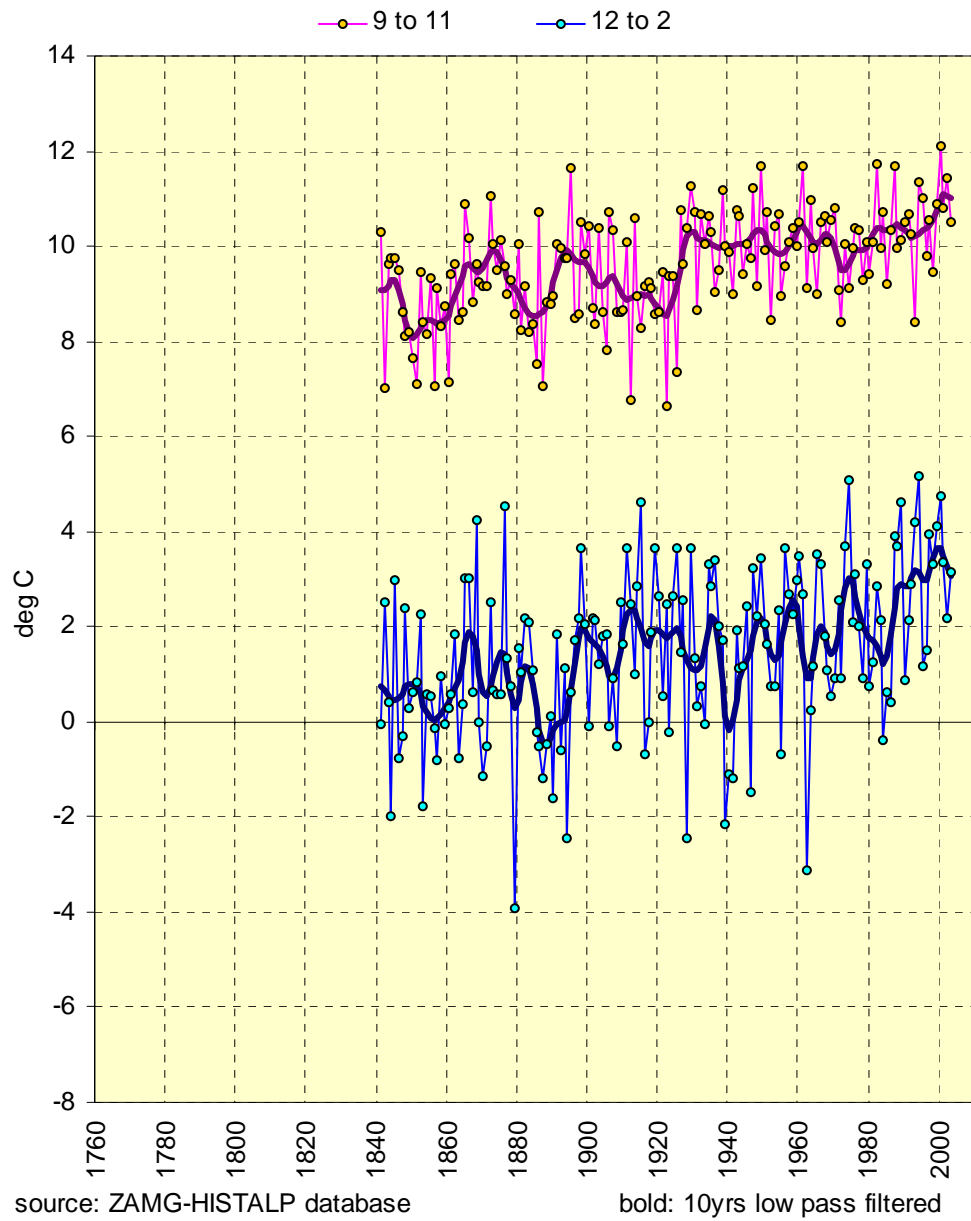


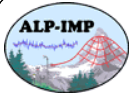
München : air temperature 1781-2003



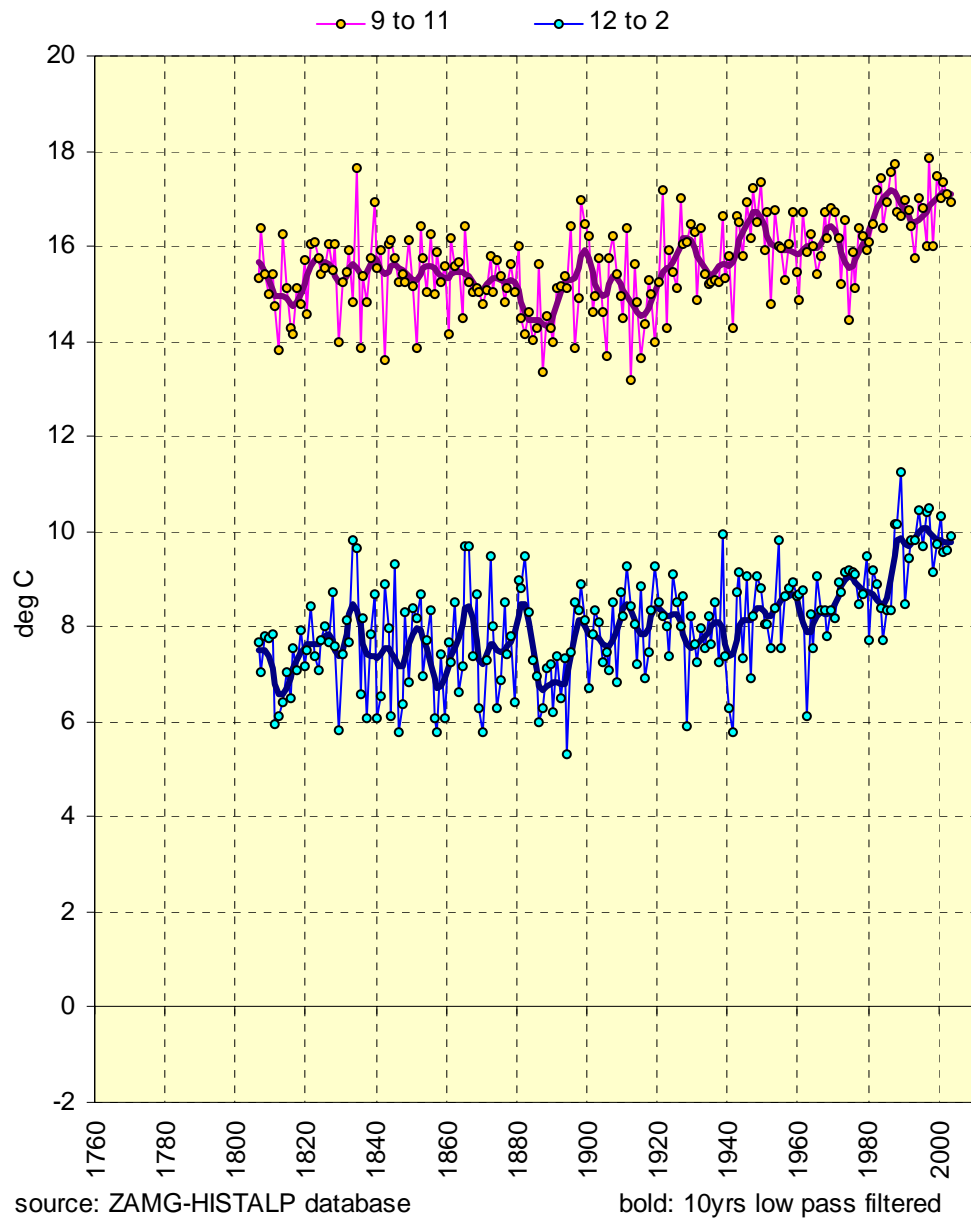


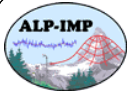
Nancy : air temperature 1841-2003



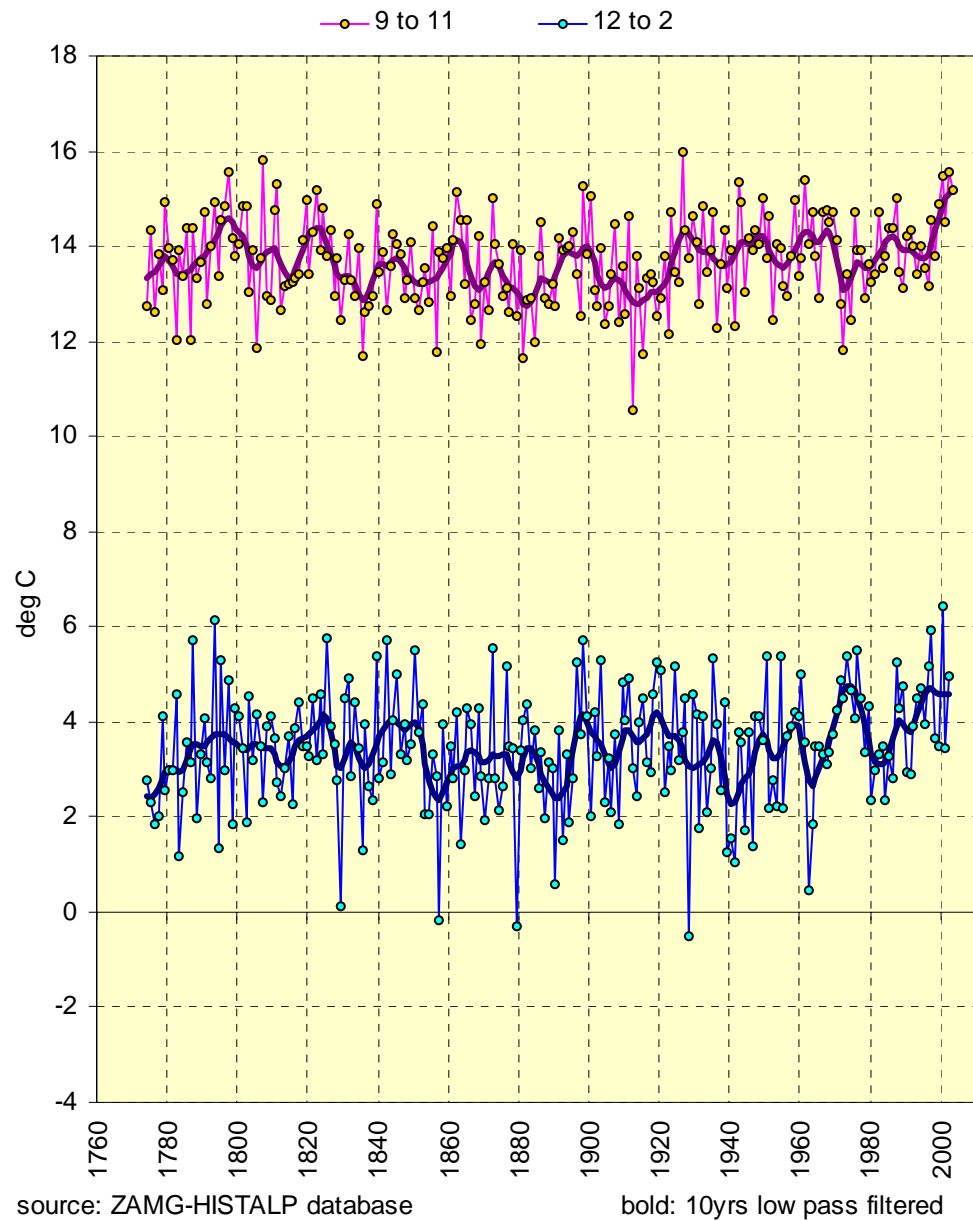


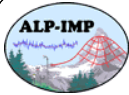
Nice : air temperature 1806-2003



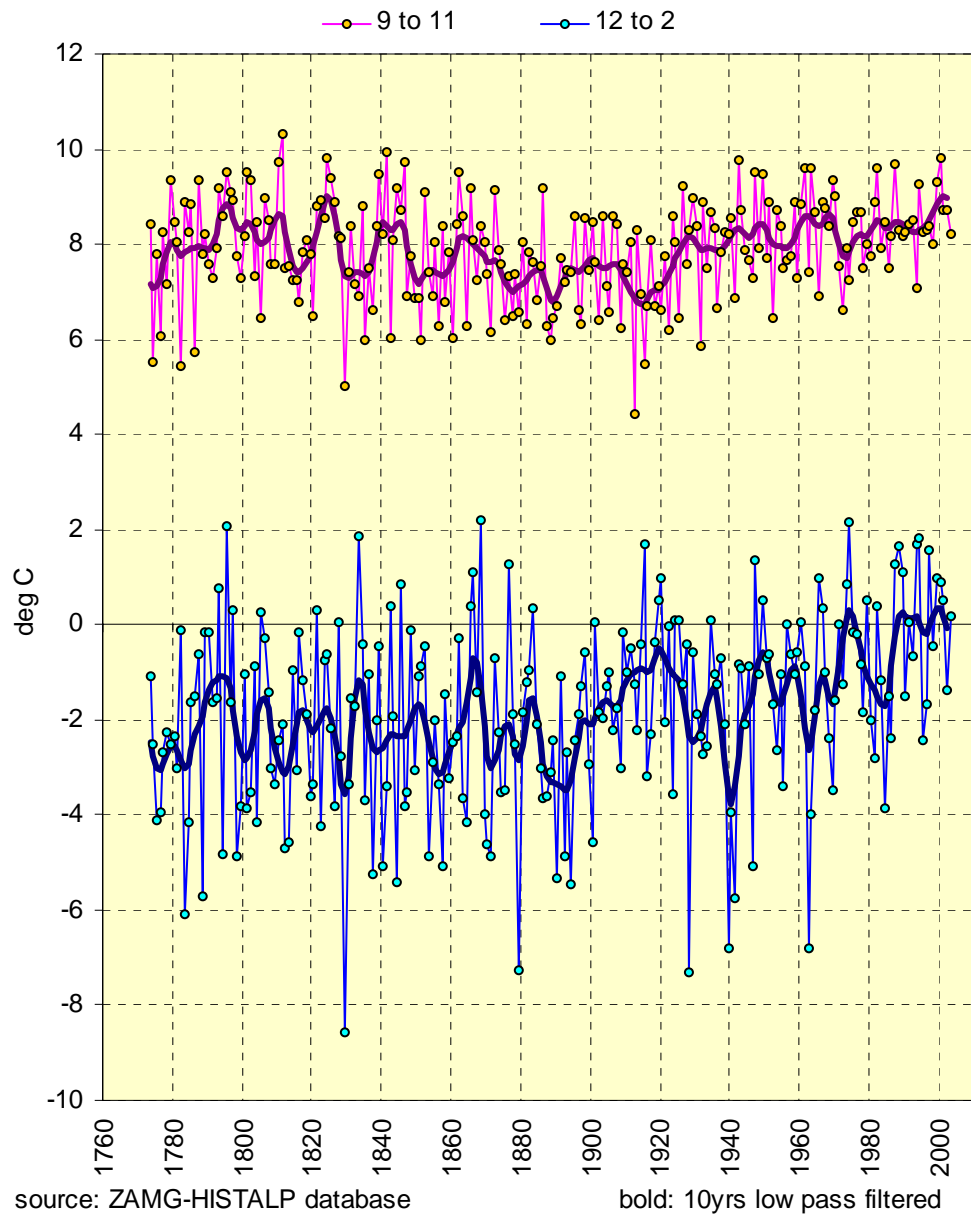


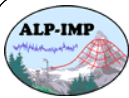
Padova : air temperature 1774-2003



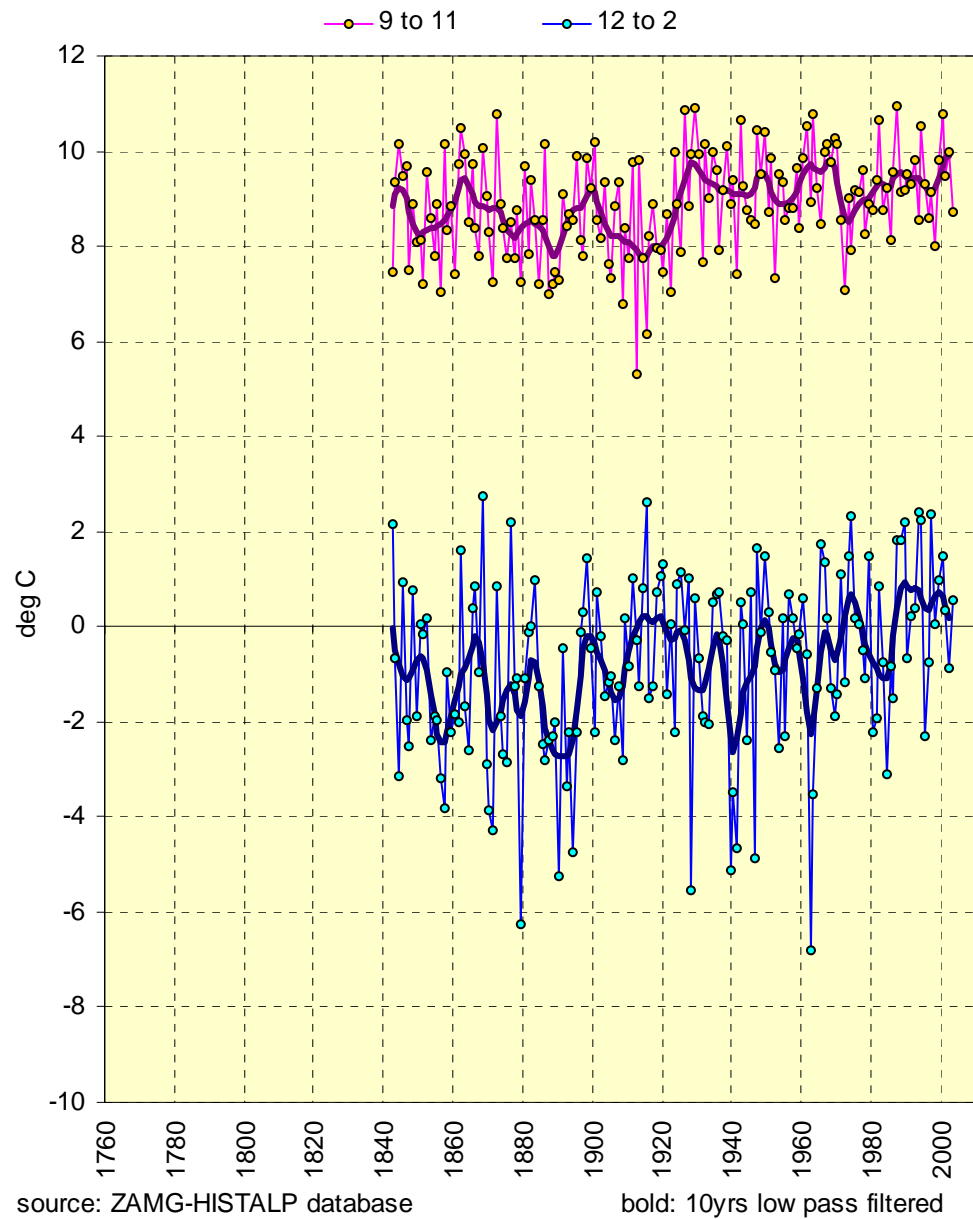


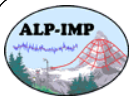
Regensburg : air temperature 1773-2003



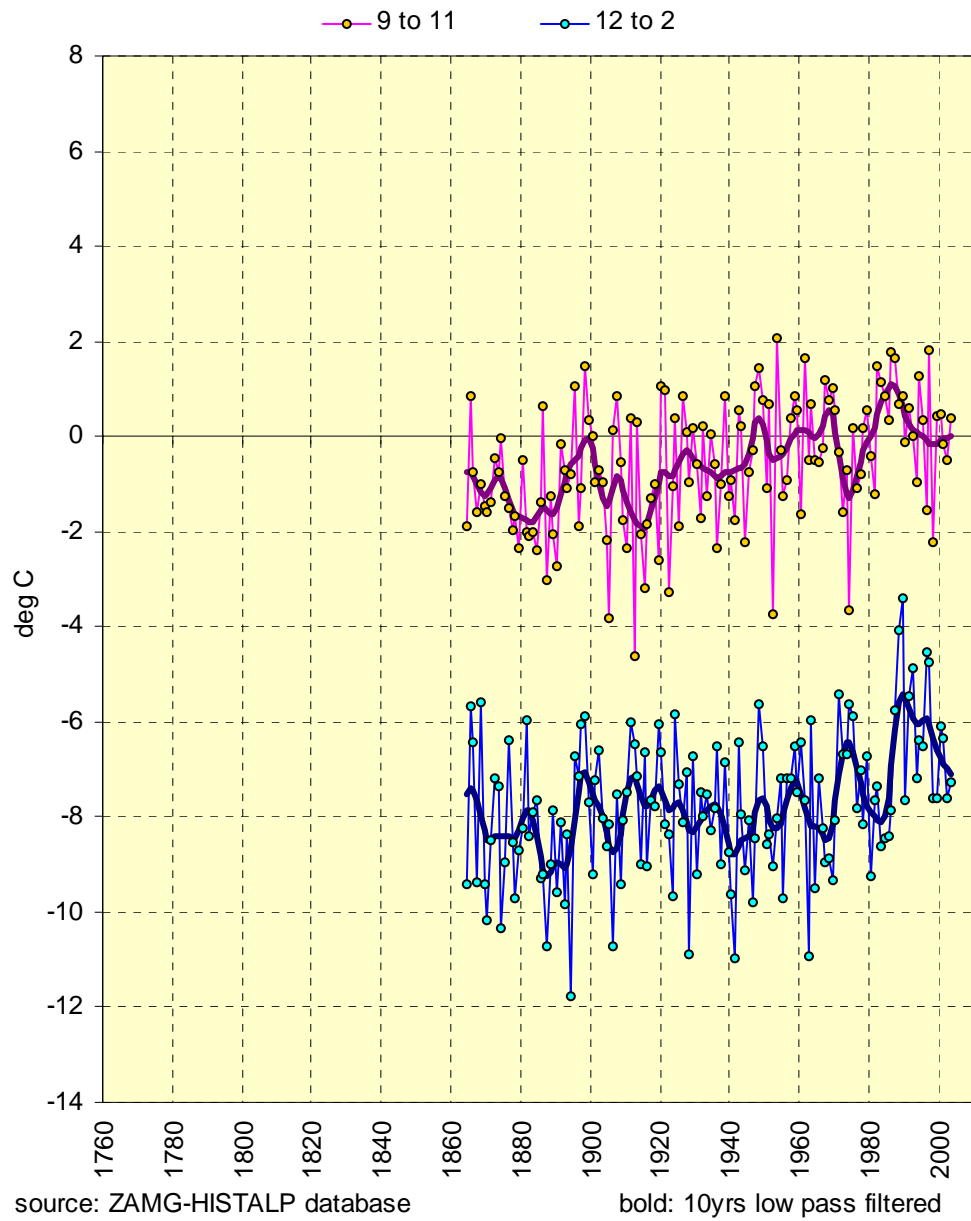


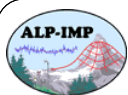
Salzburg : air temperature 1842-2003



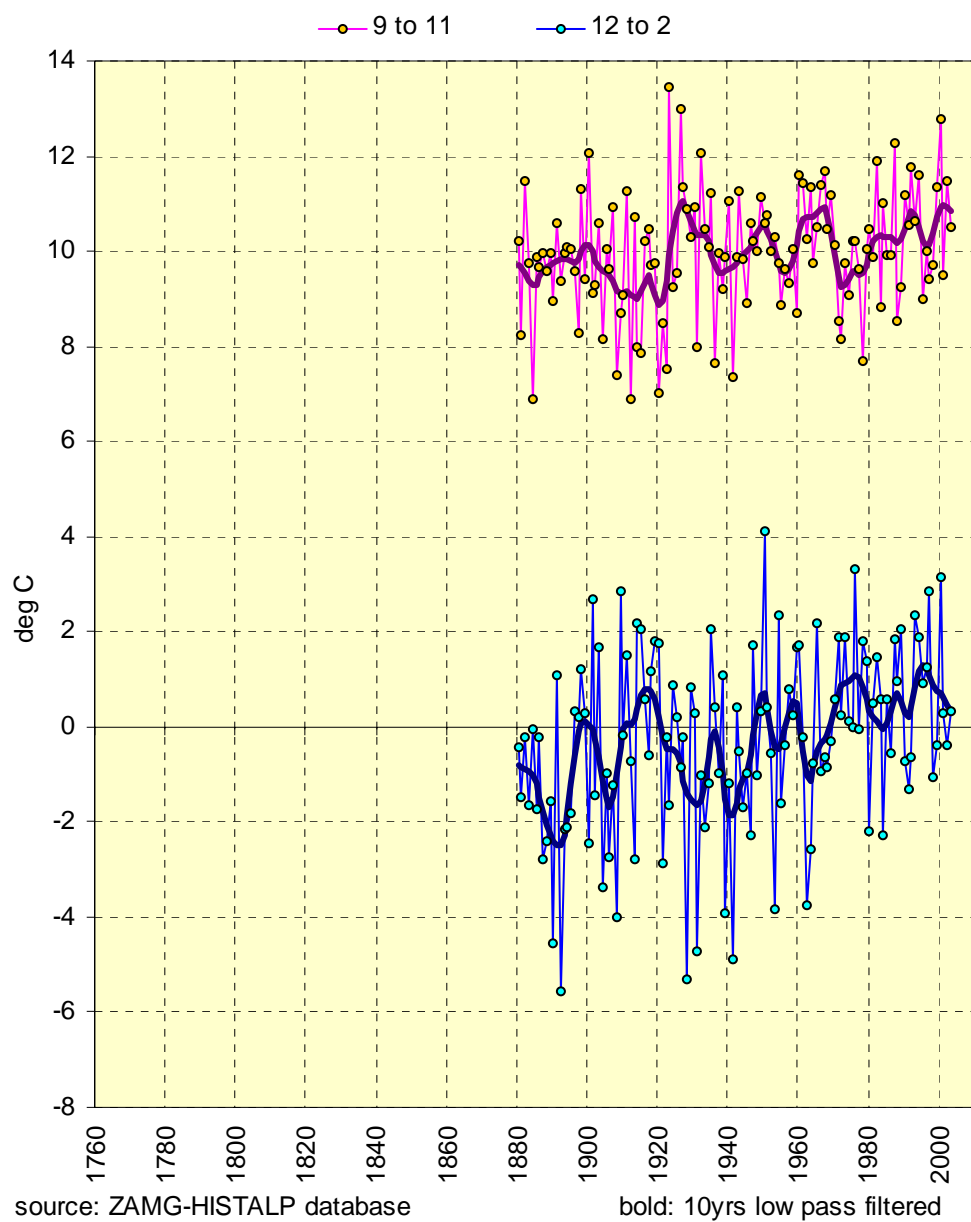


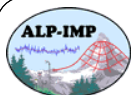
Säntis : air temperature 1864-2003



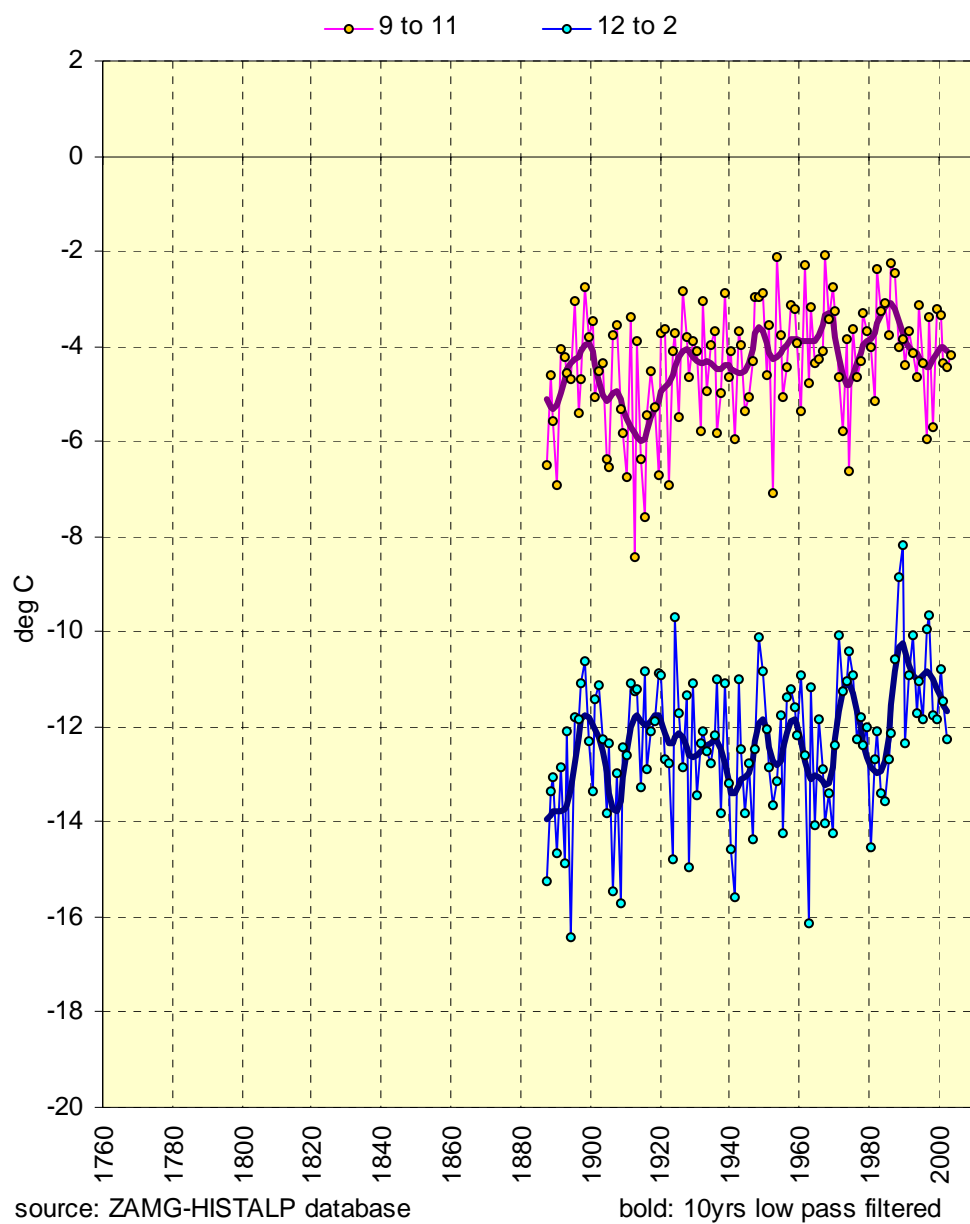


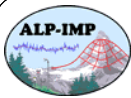
Sarajewo : air temperature 1880-2003



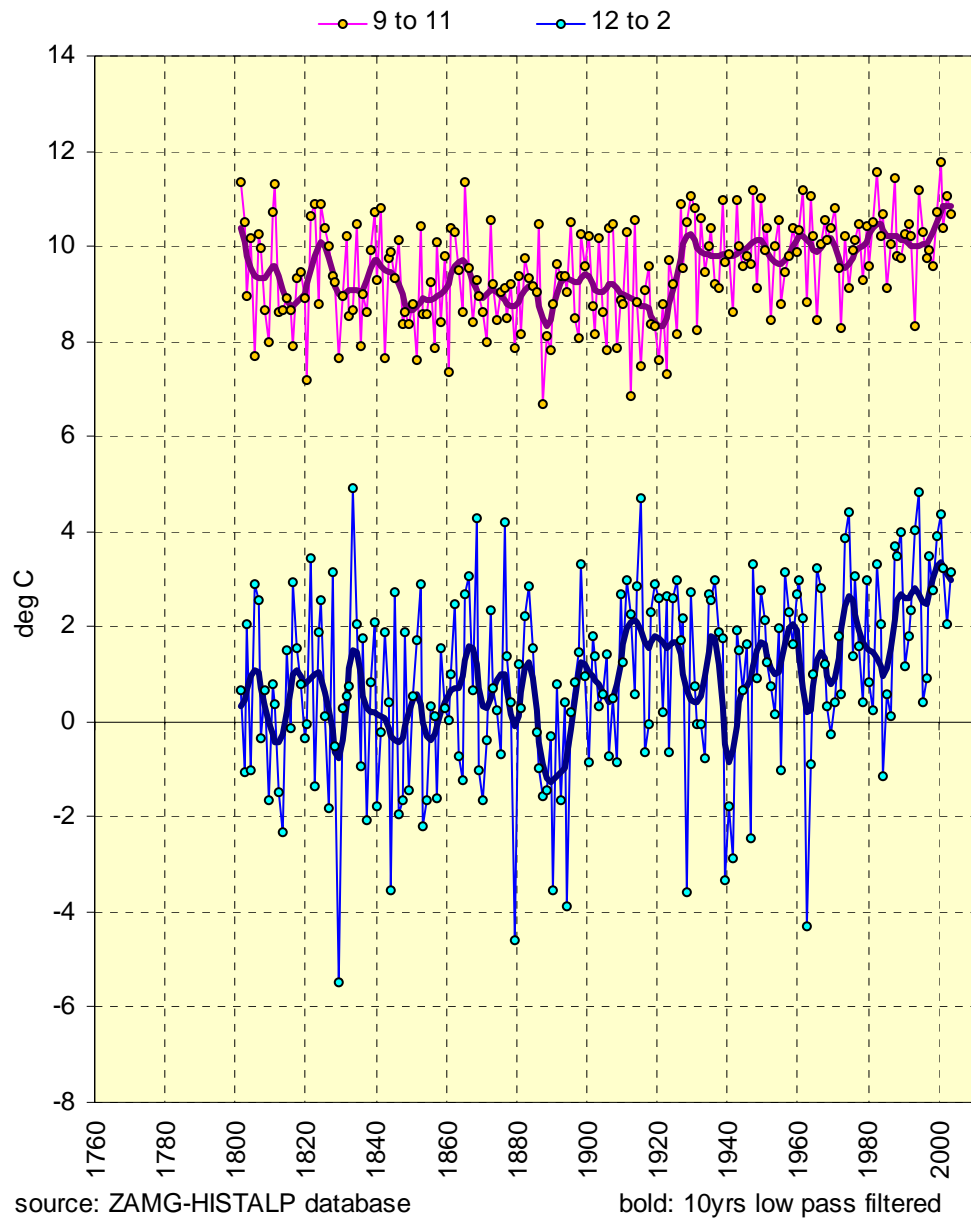


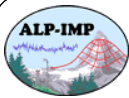
Sonnblick : air temperature 1887-2003



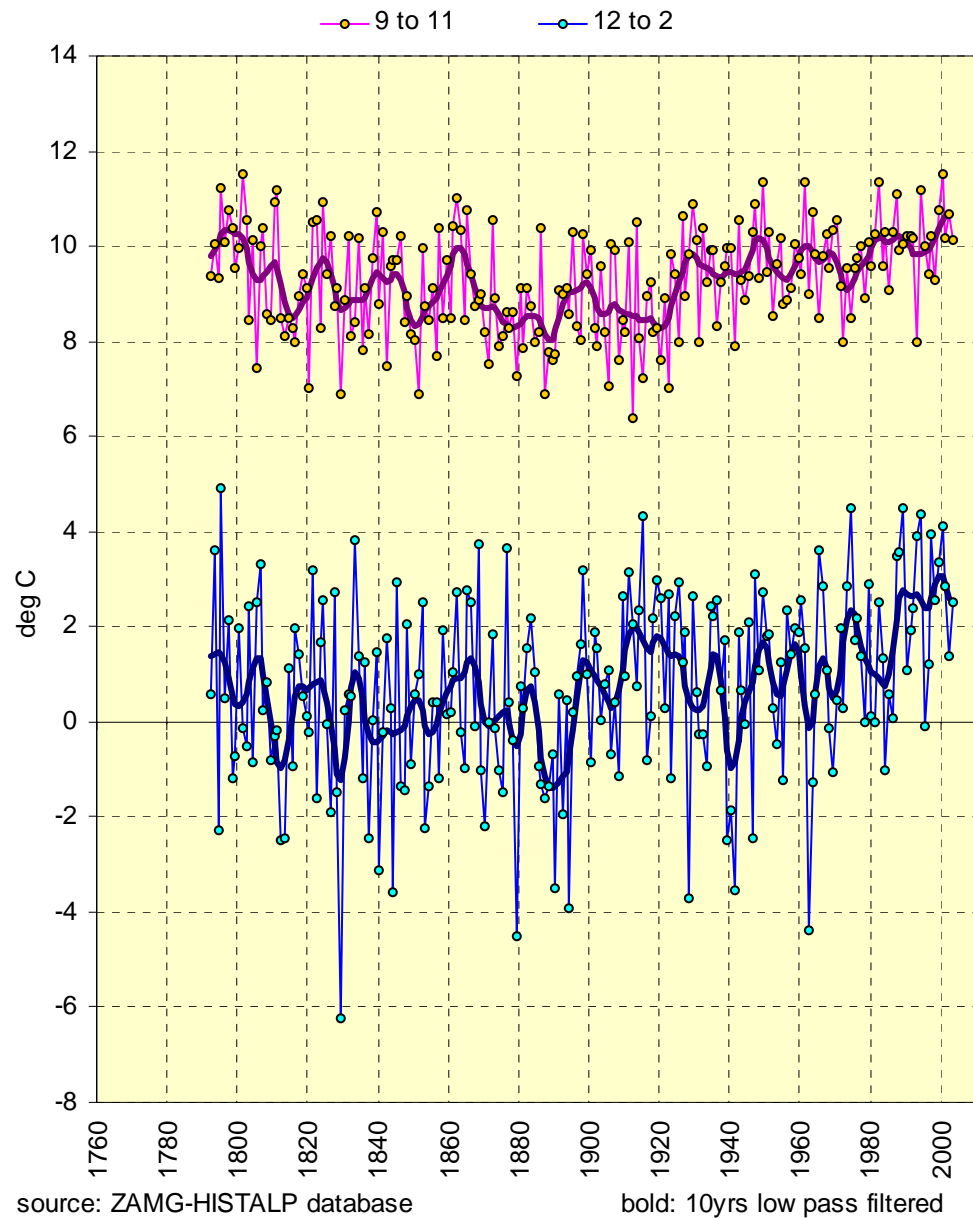


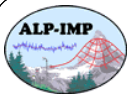
Strasbourg : air temperature 1801-2003



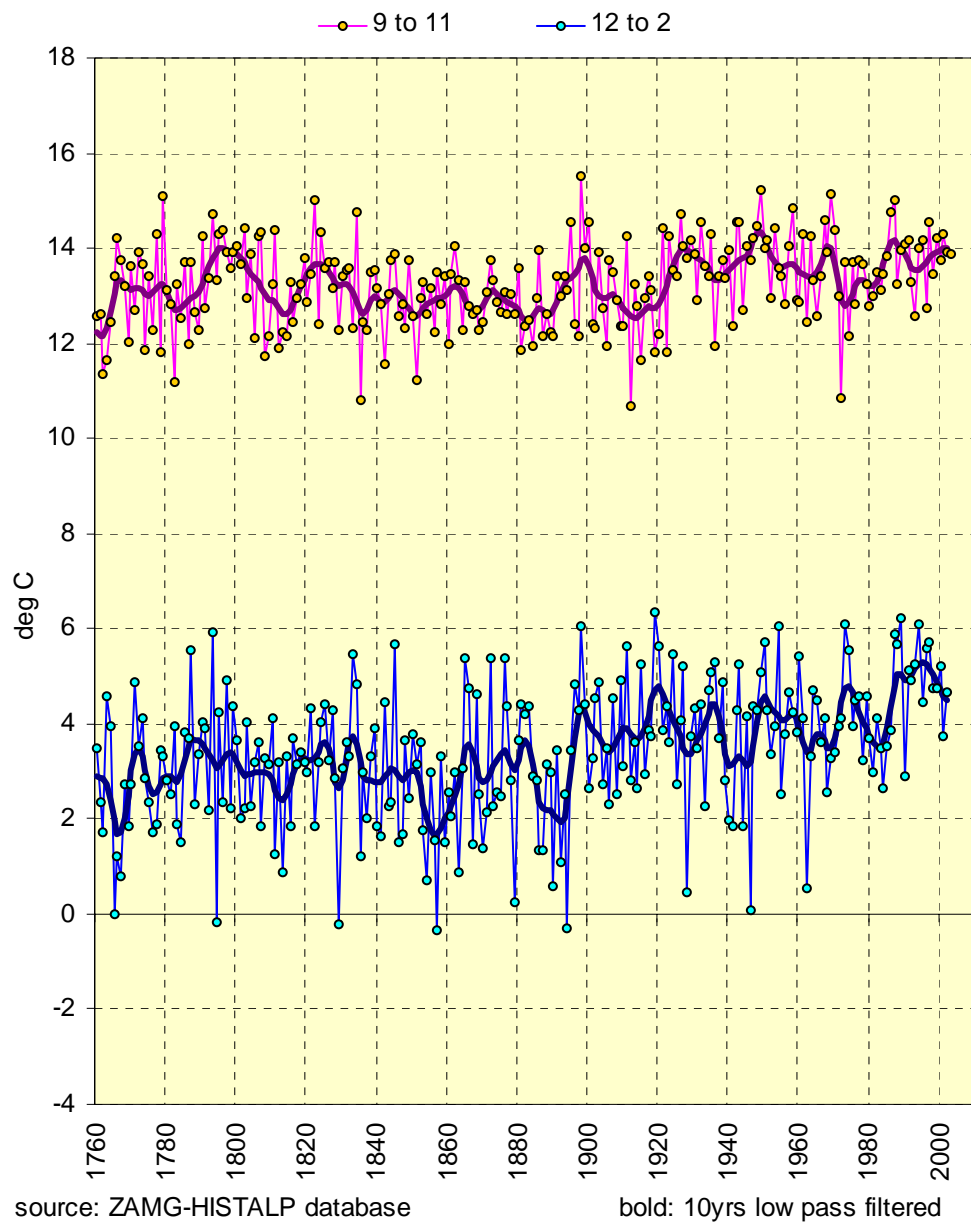


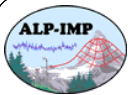
Stuttgart : air temperature 1792-2003



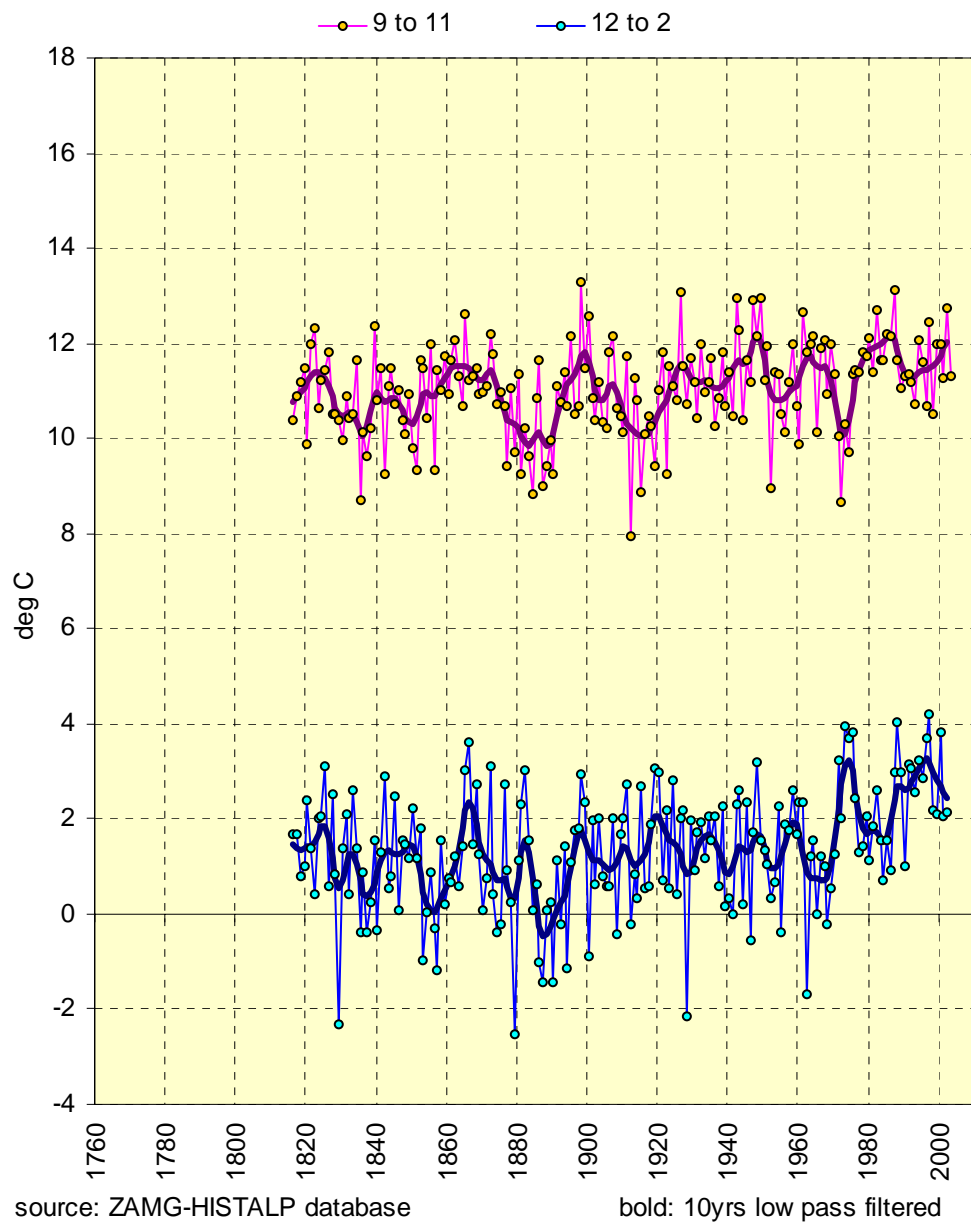


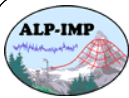
Torino : air temperature 1760-2003



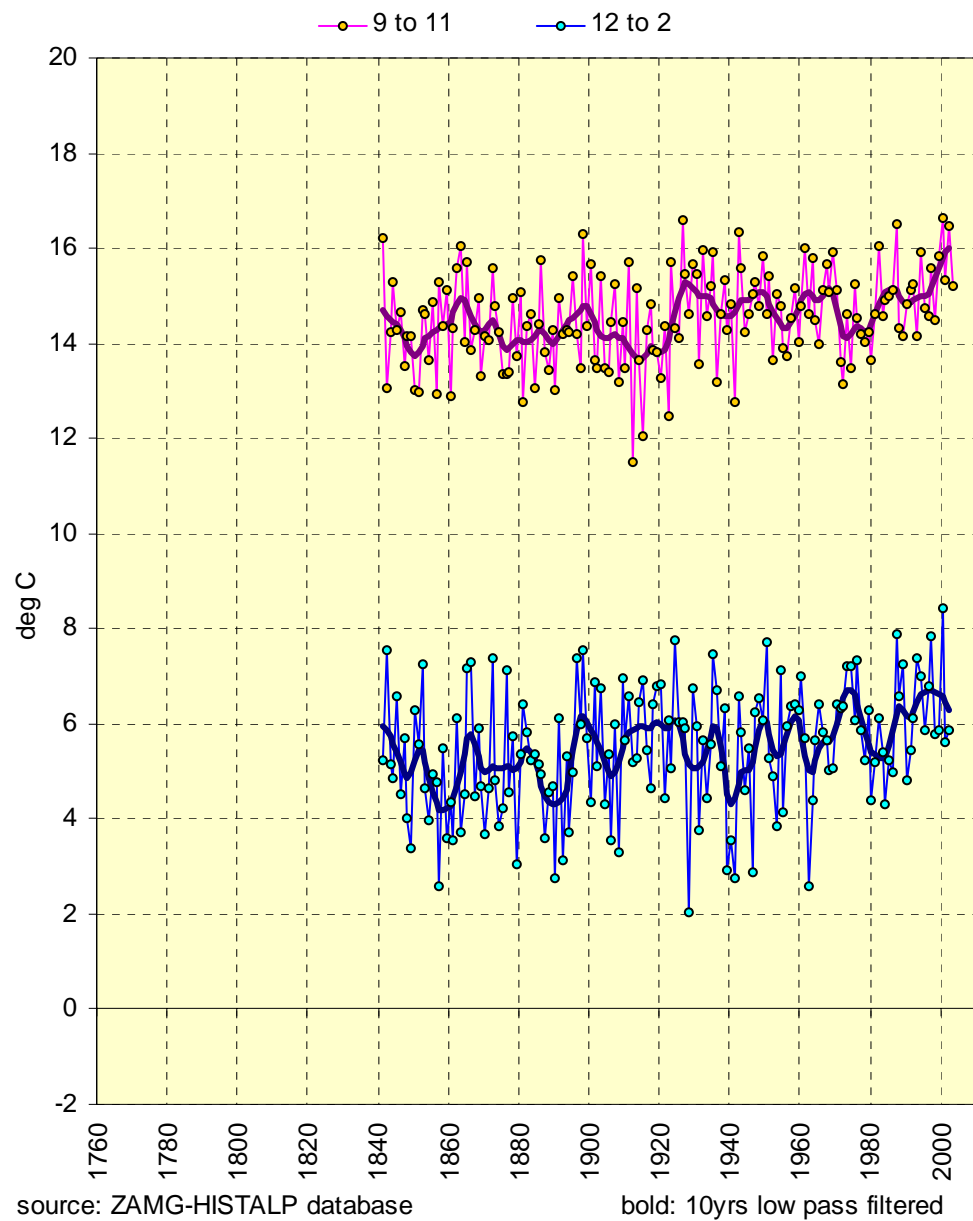


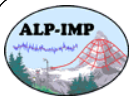
Trento : air temperature 1816-2003



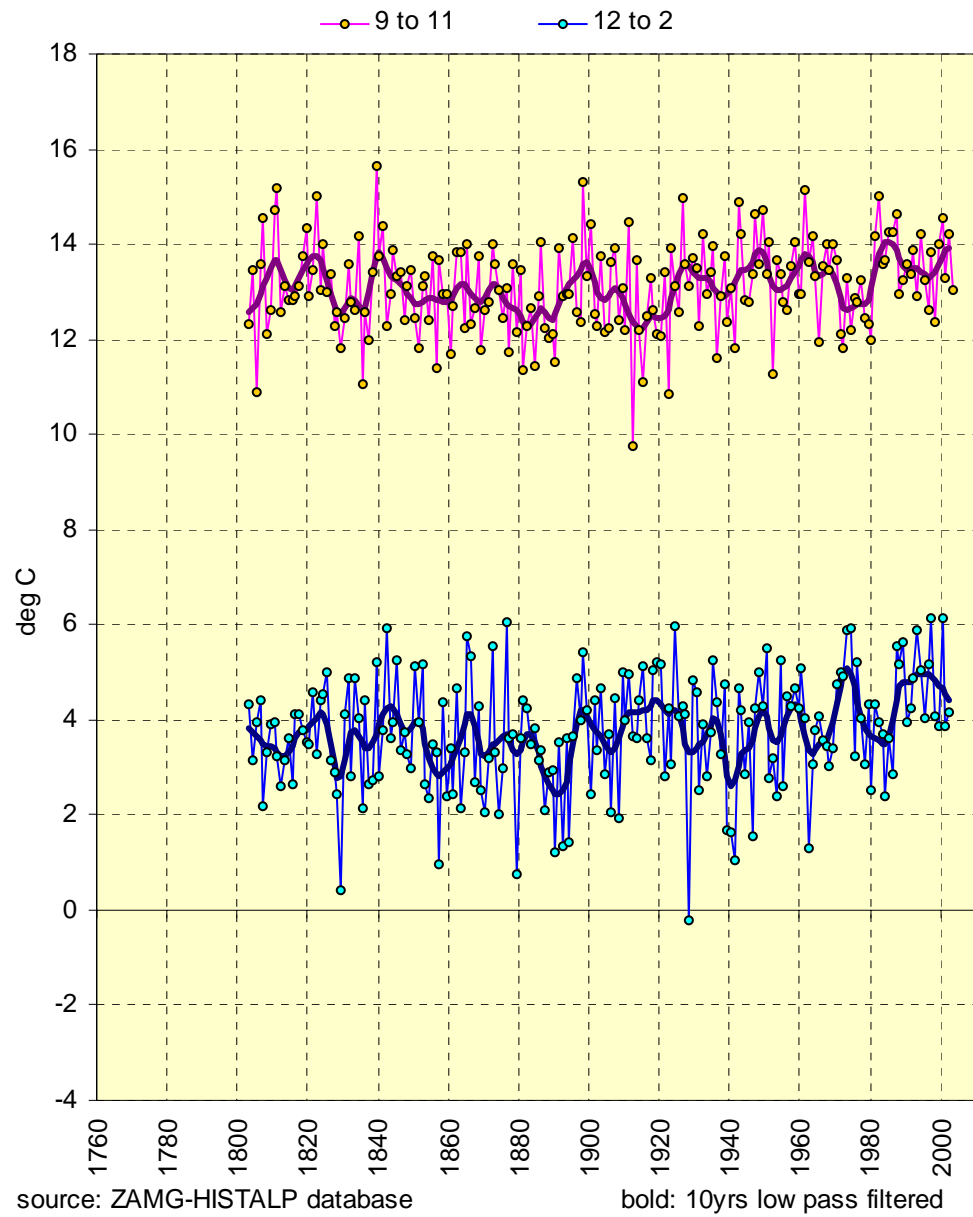


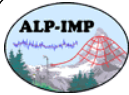
Trieste : air temperature 1841-2003



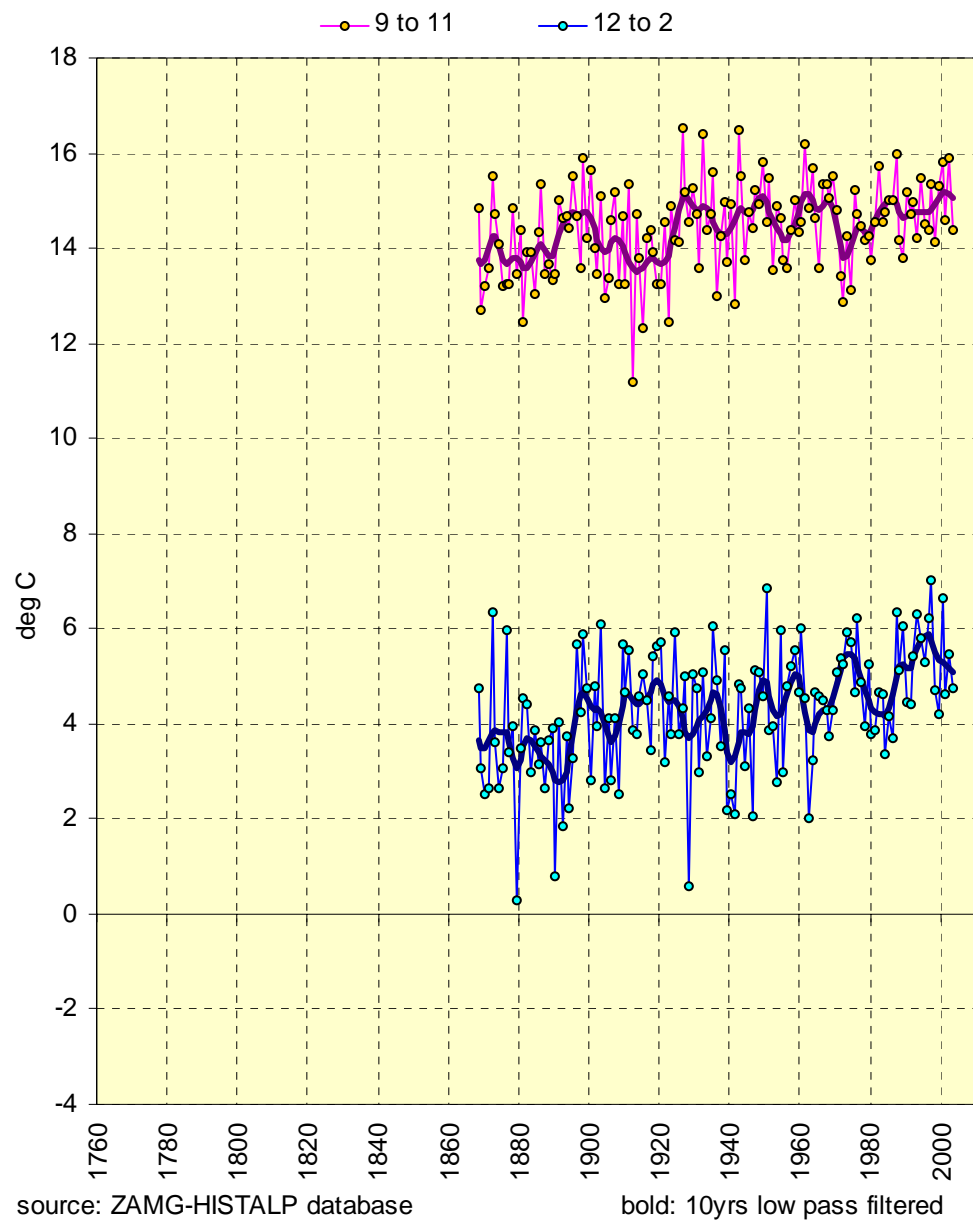


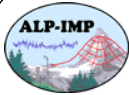
Udine : air temperature 1803-2003



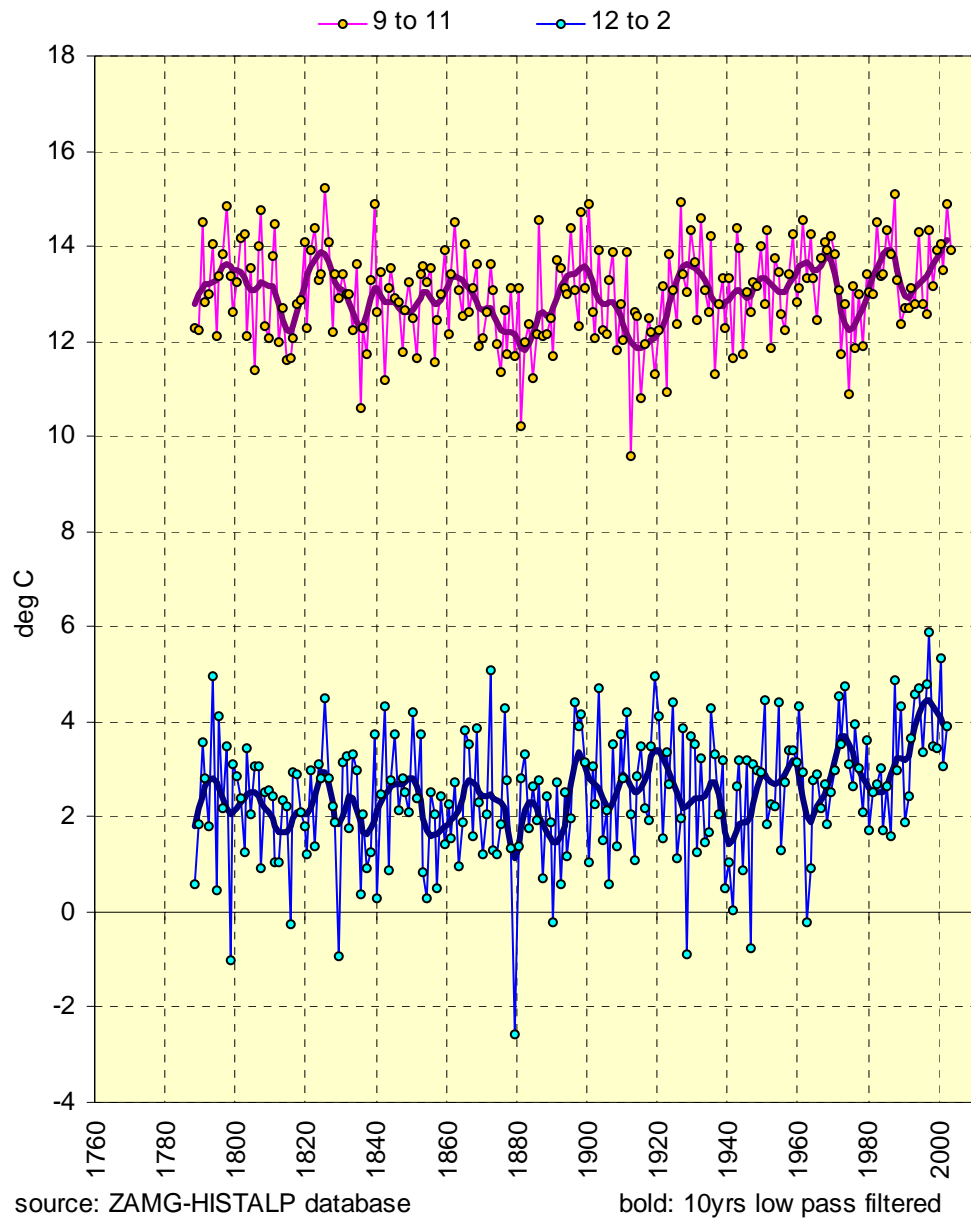


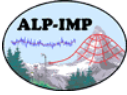
Venezia : air temperature 1869-2003



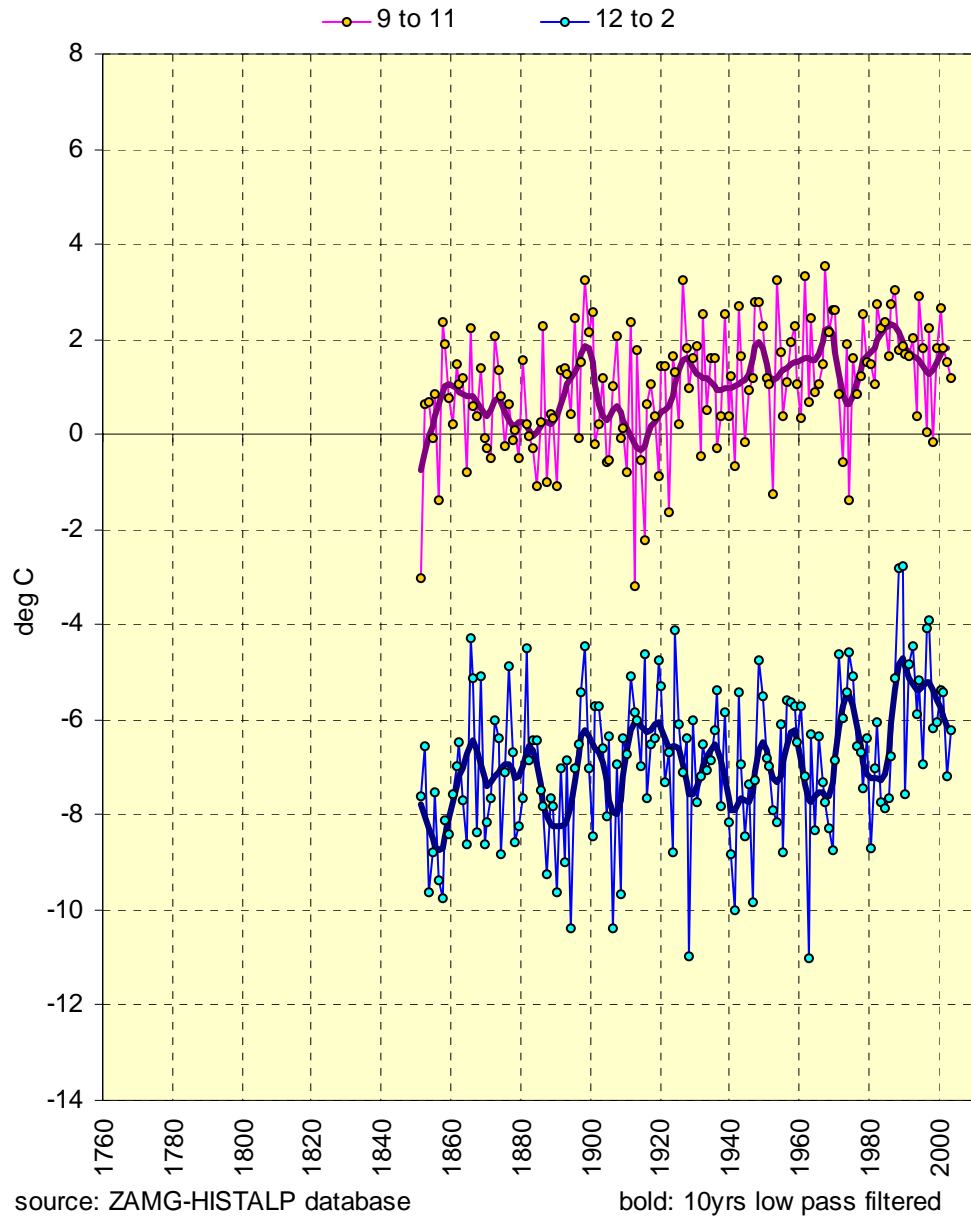


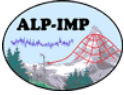
Verona : air temperature 1788-2003



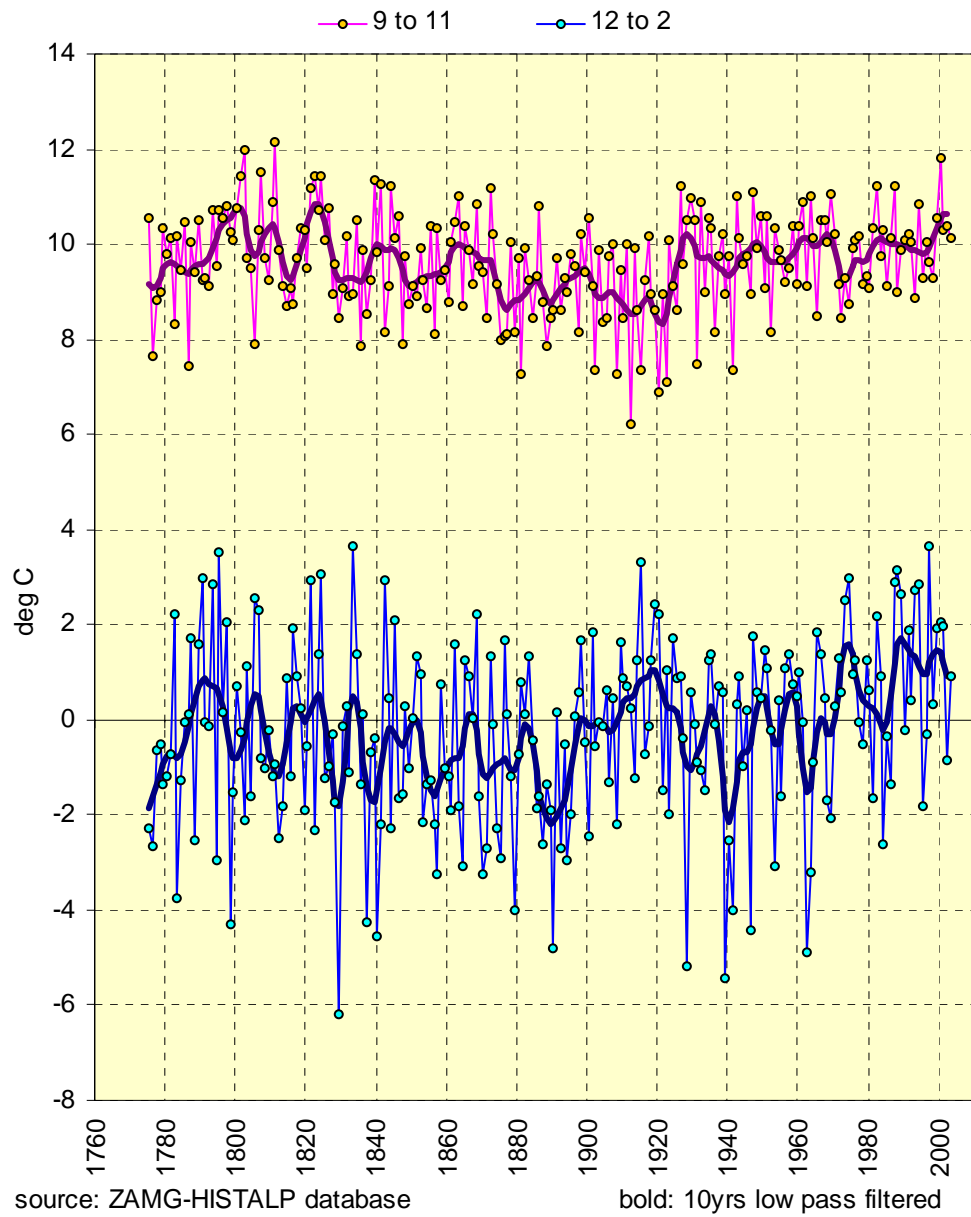


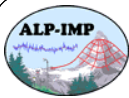
Villacher Alpe - Obir : air temperature 1851-2003



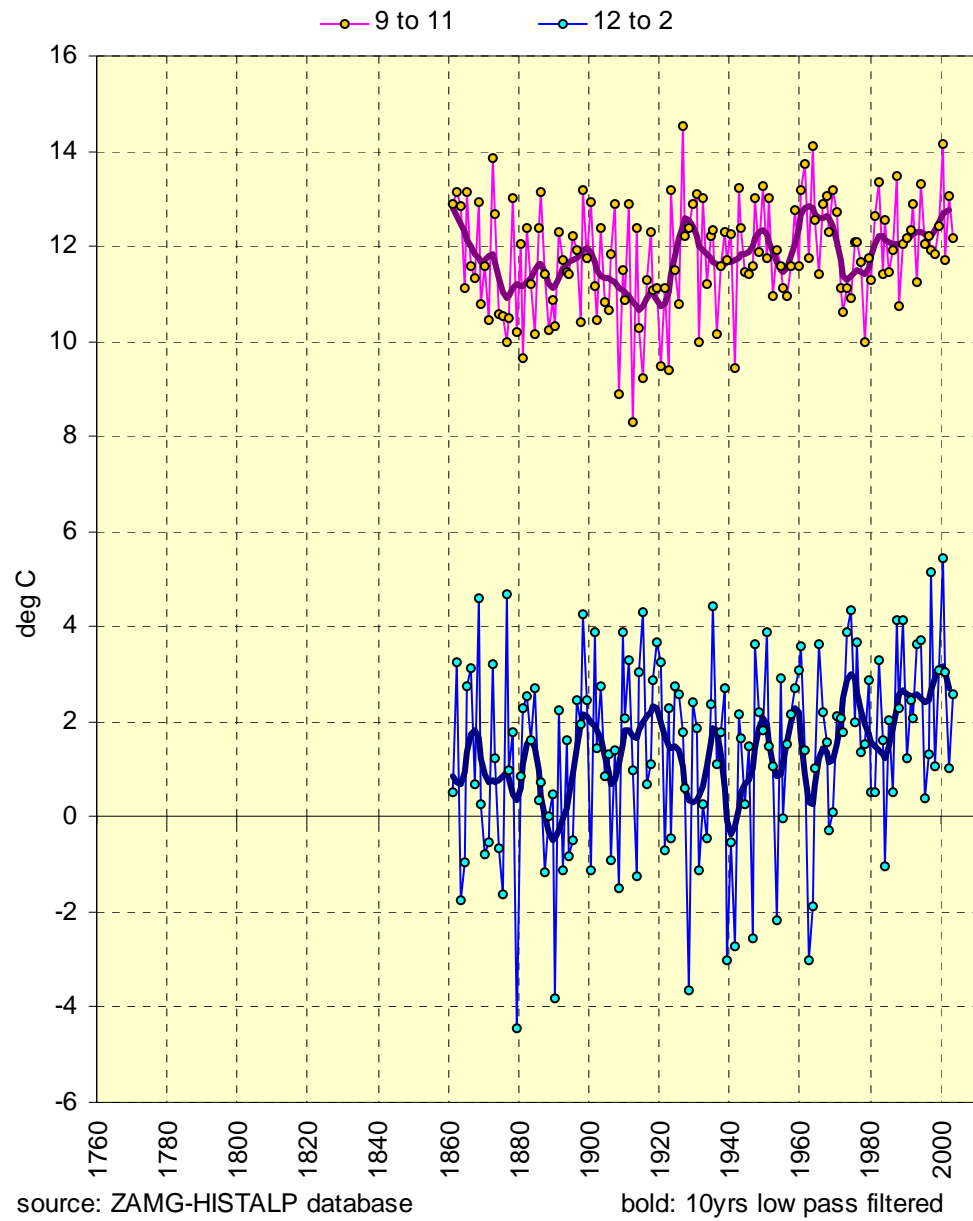


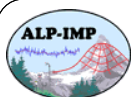
Wien : air temperature 1775-2003



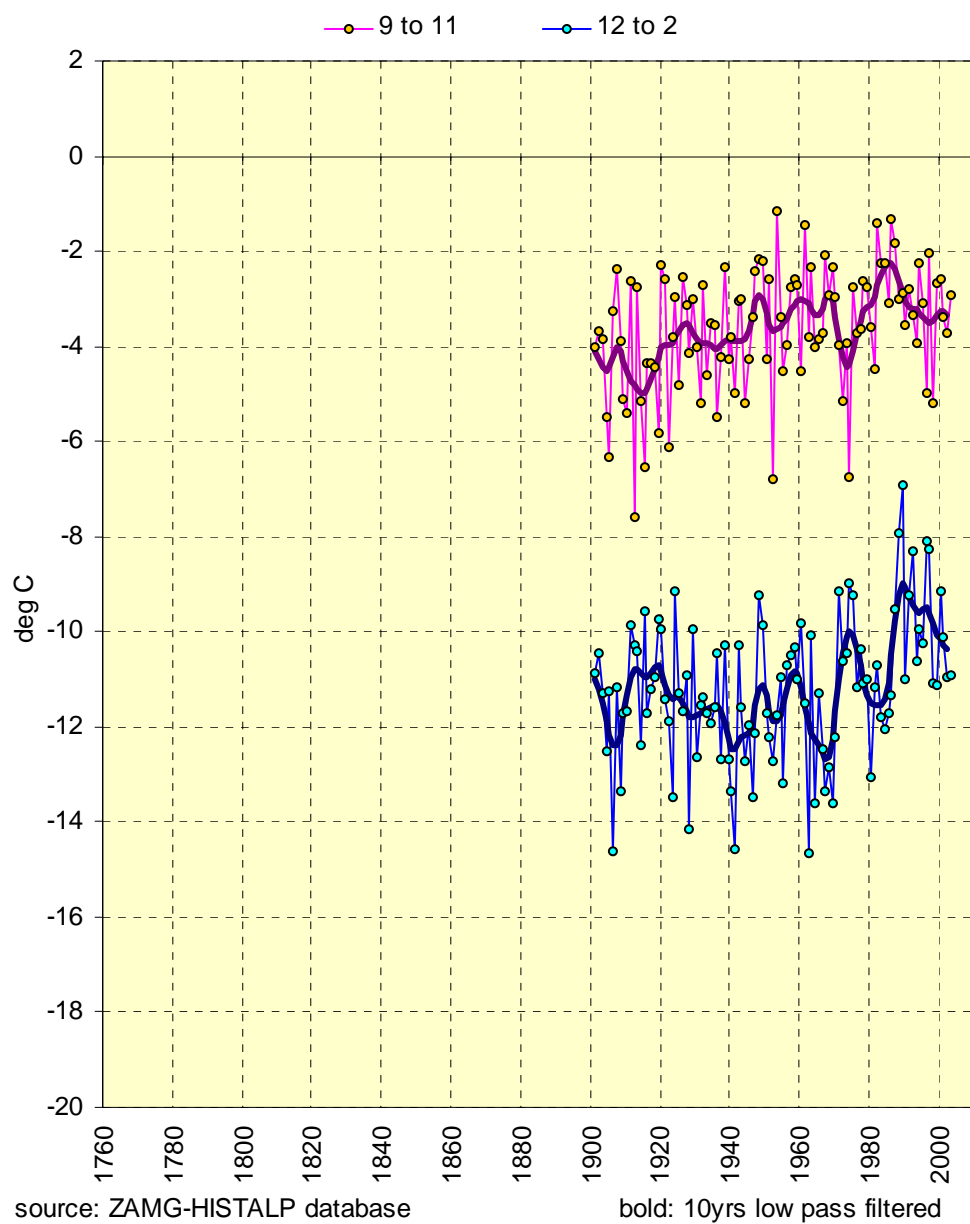


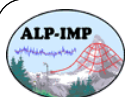
Zagrab-Gric: air temperature 1862-2003



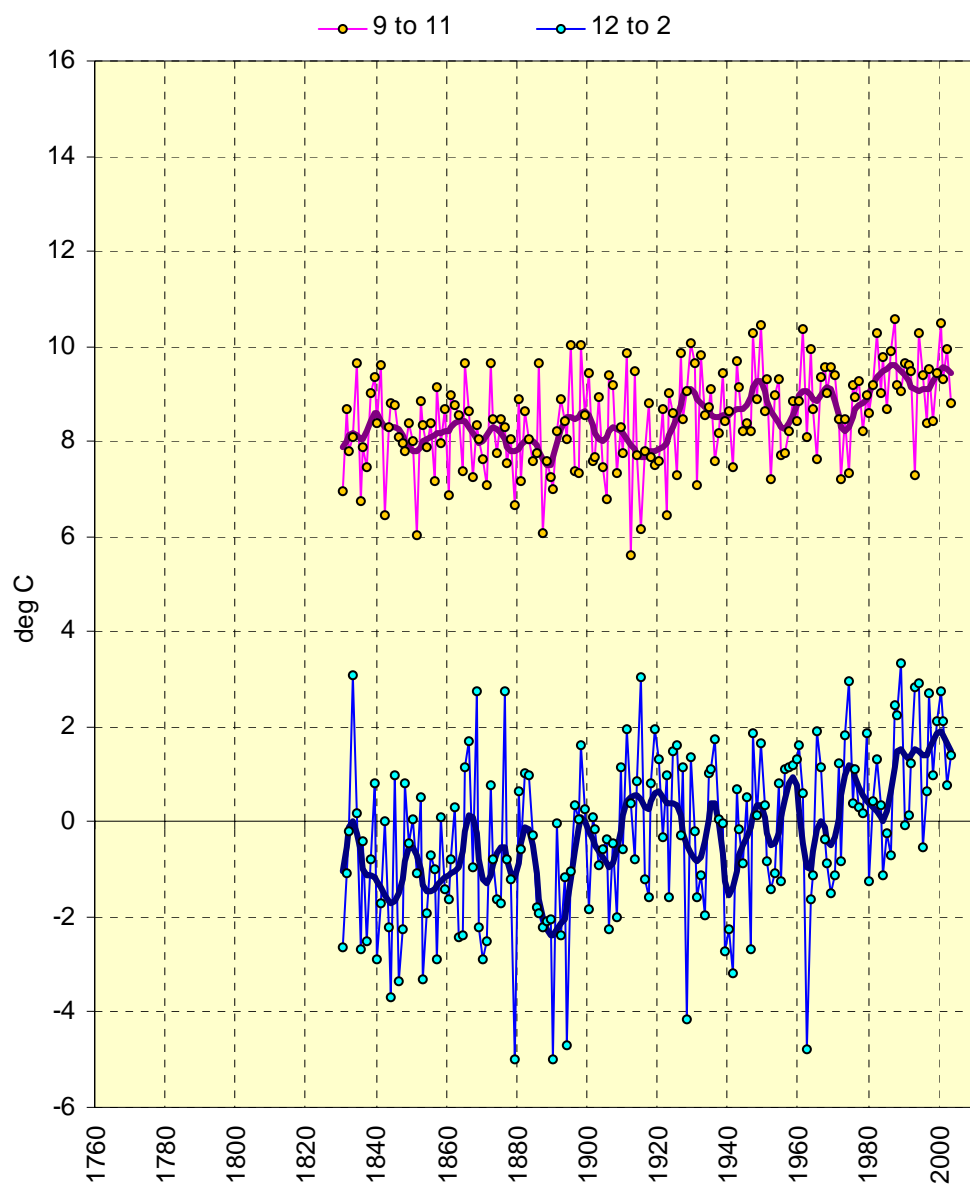


Zugspitze : air temperature 1901-2003





Zürich : air temperature 1830-2003



source: ZAMG-HISTALP database

bold: 10yrs low pass filtered