table 1: Summary of Pearson correlations across species for cld

| month | 1901-2009 | | | | | 1920-1949 | | | | | 1950-1979 | | | | | 1980-2009 | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig |
| prev.apr | 0.04 | -0.08 | 0.15 | 9.00 | 0.00 | 0.14 | -0.04 | 0.38 | 11.00 | 1.00 | -0.02 | -0.14 | 0.17 | 4.00 | 0.00 | 0.06 | -0.25 | 0.27 | 8.00 | 0.00 |
| prev.may | -0.23 | -0.42 | -0.05 | 0.00 | 11.00 | -0.36 | -0.61 | -0.15 | 0.00 | 6.00 | -0.11 | -0.40 | 0.07 | 5.00 | 1.00 | -0.25 | -0.51 | 0.01 | 1.00 | 3.00 |
| prev.jun | -0.10 | -0.29 | 0.10 | 3.00 | 2.00 | -0.19 | -0.45 | 0.10 | 2.00 | 3.00 | -0.02 | -0.27 | 0.22 | 7.00 | 0.00 | -0.04 | -0.37 | 0.30 | 6.00 | 0.00 |
| prev.jul | -0.14 | -0.30 | 0.00 | 1.00 | 5.00 | -0.17 | -0.37 | 0.08 | 3.00 | 2.00 | -0.23 | -0.46 | -0.00 | 0.00 | 2.00 | 0.00 | -0.33 | 0.21 | 7.00 | 2.00 |
| prev.aug | 0.07 | -0.10 | 0.28 | 10.00 | 2.00 | 0.16 | -0.15 | 0.51 | 10.00 | 3.00 | 0.06 | -0.18 | 0.29 | 10.00 | 0.00 | 0.07 | -0.15 | 0.26 | 8.00 | 0.00 |
| prev.sep | 0.03 | -0.09 | 0.17 | 9.00 | 0.00 | 0.03 | -0.33 | 0.28 | 9.00 | 0.00 | 0.12 | -0.32 | 0.43 | 12.00 | 2.00 | 0.00 | -0.41 | 0.26 | 6.00 | 1.00 |
| prev.oct | 0.06 | -0.23 | 0.27 | 11.00 | 3.00 | 0.11 | -0.08 | 0.31 | 10.00 | 0.00 | 0.12 | -0.16 | 0.42 | 10.00 | 2.00 | -0.22 | -0.46 | -0.02 | 0.00 | 4.00 |
| prev.nov | 0.13 | -0.30 | 0.28 | 13.00 | 5.00 | 0.25 | -0.05 | 0.57 | 10.00 | 3.00 | 0.19 | -0.16 | 0.39 | 13.00 | 1.00 | 0.18 | -0.22 | 0.45 | 11.00 | 2.00 |
| prev.dec | 0.10 | -0.07 | 0.18 | 12.00 | 1.00 | 0.17 | -0.10 | 0.38 | 11.00 | 0.00 | 0.13 | -0.07 | 0.38 | 12.00 | 2.00 | -0.07 | -0.50 | 0.17 | 4.00 | 2.00 |
| curr.jan | 0.01 | -0.18 | 0.13 | 6.00 | 1.00 | 0.08 | -0.14 | 0.26 | 9.00 | 0.00 | 0.03 | -0.09 | 0.28 | 7.00 | 0.00 | -0.12 | -0.41 | 0.11 | 3.00 | 2.00 |
| curr.feb | 0.04 | -0.10 | 0.13 | 11.00 | 0.00 | 0.32 | -0.04 | 0.56 | 11.00 | 6.00 | -0.11 | -0.29 | 0.07 | 3.00 | 0.00 | -0.03 | -0.17 | 0.10 | 6.00 | 0.00 |
| curr.mar | 0.14 | -0.10 | 0.35 | 13.00 | 3.00 | 0.12 | -0.01 | 0.54 | 11.00 | 1.00 | 0.18 | -0.28 | 0.43 | 12.00 | 3.00 | 0.12 | -0.07 | 0.33 | 11.00 | 0.00 |
| curr.apr | -0.04 | -0.19 | 0.24 | 4.00 | 2.00 | 0.13 | -0.13 | 0.42 | 10.00 | 2.00 | -0.05 | -0.35 | 0.55 | 4.00 | 2.00 | -0.13 | -0.41 | 0.08 | 2.00 | 0.00 |
| curr.may | 0.18 | -0.01 | 0.29 | 13.00 | 6.00 | 0.21 | -0.03 | 0.45 | 11.00 | 3.00 | 0.22 | -0.06 | 0.49 | 13.00 | 3.00 | 0.05 | -0.29 | 0.29 | 9.00 | 1.00 |
| curr.jun | 0.17 | 0.03 | 0.33 | 14.00 | 6.00 | 0.23 | -0.08 | 0.47 | 11.00 | 3.00 | 0.13 | -0.16 | 0.38 | 11.00 | 0.00 | 0.13 | -0.10 | 0.38 | 10.00 | 3.00 |
| curr.jul | 0.17 | -0.04 | 0.32 | 11.00 | 7.00 | 0.20 | -0.18 | 0.52 | 9.00 | 3.00 | 0.14 | -0.16 | 0.45 | 12.00 | 1.00 | 0.03 | -0.10 | 0.38 | 5.00 | 1.00 |
| curr.aug | 0.06 | -0.09 | 0.17 | 10.00 | 0.00 | 0.20 | -0.01 | 0.51 | 11.00 | 2.00 | -0.23 | -0.40 | 0.06 | 1.00 | 3.00 | -0.00 | -0.18 | 0.23 | 7.00 | 0.00 |

table 2: Summary of Pearson correlations across species for dtr

| month | 1901-2009 | | | | | 1920-1949 | | | | | 1950-1979 | | | | | 1980-2009 | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig |
| prev.apr | -0.02 | -0.11 | 0.13 | 4.00 | 0.00 | -0.14 | -0.34 | 0.05 | 2.00 | 0.00 | 0.06 | -0.16 | 0.21 | 12.00 | 0.00 | -0.05 | -0.25 | 0.19 | 5.00 | 0.00 |
| prev.may | 0.16 | 0.06 | 0.36 | 14.00 | 5.00 | 0.30 | 0.07 | 0.47 | 12.00 | 4.00 | 0.15 | -0.03 | 0.47 | 12.00 | 2.00 | 0.15 | -0.09 | 0.54 | 9.00 | 2.00 |
| prev.jun | 0.06 | -0.06 | 0.21 | 11.00 | 1.00 | 0.23 | -0.03 | 0.42 | 11.00 | 3.00 | 0.11 | -0.20 | 0.34 | 11.00 | 1.00 | -0.12 | -0.27 | 0.00 | 1.00 | 0.00 |
| prev.jul | 0.05 | -0.13 | 0.18 | 11.00 | 0.00 | 0.15 | -0.09 | 0.38 | 10.00 | 2.00 | 0.14 | -0.12 | 0.42 | 10.00 | 1.00 | -0.15 | -0.37 | 0.06 | 1.00 | 1.00 |
| prev.aug | -0.05 | -0.27 | 0.11 | 6.00 | 1.00 | -0.16 | -0.55 | 0.13 | 3.00 | 3.00 | -0.08 | -0.30 | 0.06 | 3.00 | 0.00 | 0.02 | -0.23 | 0.30 | 8.00 | 0.00 |
| prev.sep | -0.11 | -0.28 | 0.09 | 1.00 | 3.00 | -0.08 | -0.32 | 0.23 | 3.00 | 0.00 | -0.19 | -0.42 | 0.09 | 1.00 | 3.00 | -0.09 | -0.41 | 0.26 | 4.00 | 2.00 |
| prev.oct | -0.07 | -0.27 | 0.15 | 3.00 | 2.00 | -0.16 | -0.34 | -0.00 | 0.00 | 0.00 | -0.08 | -0.44 | 0.13 | 7.00 | 2.00 | 0.07 | -0.22 | 0.29 | 11.00 | 1.00 |
| prev.nov | -0.13 | -0.28 | 0.20 | 3.00 | 4.00 | -0.22 | -0.51 | 0.06 | 3.00 | 3.00 | -0.09 | -0.31 | 0.09 | 2.00 | 1.00 | -0.22 | -0.42 | 0.12 | 2.00 | 1.00 |
| prev.dec | -0.19 | -0.30 | 0.00 | 1.00 | 7.00 | -0.21 | -0.42 | 0.07 | 1.00 | 2.00 | -0.21 | -0.43 | 0.08 | 1.00 | 2.00 | -0.04 | -0.20 | 0.12 | 5.00 | 0.00 |
| curr.jan | -0.03 | -0.22 | 0.15 | 6.00 | 0.00 | -0.03 | -0.26 | 0.26 | 4.00 | 0.00 | -0.02 | -0.20 | 0.24 | 5.00 | 0.00 | -0.01 | -0.27 | 0.38 | 7.00 | 1.00 |
| curr.feb | -0.11 | -0.25 | 0.25 | 1.00 | 4.00 | -0.19 | -0.46 | 0.18 | 3.00 | 0.00 | -0.10 | -0.34 | 0.43 | 2.00 | 1.00 | -0.04 | -0.19 | 0.19 | 4.00 | 0.00 |
| curr.mar | -0.16 | -0.29 | 0.11 | 1.00 | 5.00 | -0.12 | -0.49 | 0.06 | 1.00 | 1.00 | -0.32 | -0.56 | -0.01 | 0.00 | 3.00 | -0.03 | -0.19 | 0.34 | 5.00 | 0.00 |
| curr.apr | 0.06 | -0.26 | 0.21 | 11.00 | 2.00 | -0.12 | -0.38 | 0.06 | 2.00 | 1.00 | 0.07 | -0.46 | 0.42 | 11.00 | 3.00 | 0.13 | -0.15 | 0.34 | 13.00 | 1.00 |
| curr.may | -0.13 | -0.27 | 0.01 | 1.00 | 4.00 | -0.14 | -0.39 | 0.18 | 1.00 | 3.00 | -0.11 | -0.37 | 0.12 | 4.00 | 1.00 | -0.09 | -0.34 | 0.26 | 4.00 | 1.00 |
| curr.jun | -0.11 | -0.21 | -0.03 | 0.00 | 3.00 | -0.12 | -0.31 | 0.23 | 1.00 | 0.00 | -0.09 | -0.50 | 0.19 | 4.00 | 1.00 | -0.06 | -0.17 | 0.16 | 4.00 | 0.00 |
| curr.jul | -0.16 | -0.30 | 0.02 | 2.00 | 7.00 | -0.12 | -0.51 | 0.30 | 4.00 | 3.00 | -0.26 | -0.39 | -0.06 | 0.00 | 5.00 | 0.03 | -0.16 | 0.28 | 9.00 | 0.00 |
| curr.aug | -0.17 | -0.25 | -0.05 | 0.00 | 7.00 | -0.13 | -0.46 | 0.10 | 2.00 | 2.00 | -0.20 | -0.44 | 0.04 | 1.00 | 4.00 | -0.13 | -0.32 | 0.16 | 3.00 | 1.00 |

table 3: Summary of Pearson correlations across species for PDSI\_prewhiten

| month | 1901-2009 | | | | | 1920-1949 | | | | | 1950-1979 | | | | | 1980-2009 | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig |
| prev.apr | -0.03 | -0.13 | 0.04 | 4.00 | 0.00 | 0.14 | -0.07 | 0.34 | 10.00 | 0.00 | -0.09 | -0.33 | 0.13 | 4.00 | 1.00 | -0.08 | -0.38 | 0.16 | 5.00 | 1.00 |
| prev.may | -0.14 | -0.39 | 0.00 | 1.00 | 5.00 | -0.36 | -0.60 | -0.21 | 0.00 | 6.00 | -0.09 | -0.44 | 0.17 | 4.00 | 1.00 | -0.03 | -0.28 | 0.18 | 6.00 | 1.00 |
| prev.jun | -0.05 | -0.19 | 0.26 | 2.00 | 1.00 | -0.13 | -0.40 | 0.21 | 2.00 | 2.00 | -0.08 | -0.29 | 0.18 | 3.00 | 0.00 | 0.05 | -0.26 | 0.35 | 11.00 | 1.00 |
| prev.jul | 0.06 | -0.08 | 0.24 | 7.00 | 1.00 | 0.03 | -0.20 | 0.20 | 6.00 | 0.00 | 0.03 | -0.30 | 0.27 | 7.00 | 0.00 | 0.19 | -0.11 | 0.47 | 13.00 | 1.00 |
| prev.aug | 0.06 | -0.07 | 0.32 | 10.00 | 2.00 | 0.03 | -0.27 | 0.49 | 6.00 | 1.00 | 0.11 | -0.04 | 0.27 | 12.00 | 0.00 | -0.02 | -0.30 | 0.33 | 6.00 | 0.00 |
| prev.sep | 0.12 | -0.01 | 0.37 | 12.00 | 2.00 | 0.05 | -0.21 | 0.29 | 9.00 | 0.00 | 0.22 | -0.10 | 0.38 | 13.00 | 3.00 | 0.11 | -0.24 | 0.57 | 9.00 | 2.00 |
| prev.oct | 0.00 | -0.11 | 0.10 | 6.00 | 0.00 | -0.01 | -0.28 | 0.20 | 7.00 | 0.00 | 0.18 | -0.07 | 0.44 | 11.00 | 2.00 | -0.14 | -0.44 | 0.14 | 3.00 | 1.00 |
| prev.nov | 0.02 | -0.20 | 0.27 | 9.00 | 1.00 | 0.19 | -0.08 | 0.37 | 10.00 | 1.00 | 0.01 | -0.14 | 0.34 | 6.00 | 0.00 | -0.10 | -0.32 | 0.27 | 2.00 | 0.00 |
| prev.dec | 0.02 | -0.14 | 0.18 | 8.00 | 0.00 | -0.06 | -0.33 | 0.17 | 5.00 | 1.00 | 0.12 | -0.13 | 0.34 | 11.00 | 1.00 | -0.04 | -0.34 | 0.20 | 5.00 | 1.00 |
| curr.jan | -0.02 | -0.19 | 0.12 | 5.00 | 1.00 | 0.08 | -0.30 | 0.36 | 9.00 | 0.00 | -0.06 | -0.33 | 0.36 | 5.00 | 1.00 | -0.12 | -0.36 | 0.09 | 4.00 | 2.00 |
| curr.feb | 0.07 | -0.12 | 0.15 | 12.00 | 0.00 | 0.12 | -0.17 | 0.30 | 10.00 | 1.00 | -0.02 | -0.27 | 0.22 | 6.00 | 0.00 | 0.16 | -0.15 | 0.37 | 12.00 | 0.00 |
| curr.mar | 0.10 | -0.13 | 0.24 | 13.00 | 2.00 | 0.05 | -0.22 | 0.31 | 7.00 | 0.00 | 0.25 | 0.06 | 0.40 | 14.00 | 4.00 | 0.08 | -0.28 | 0.46 | 12.00 | 1.00 |
| curr.apr | -0.01 | -0.11 | 0.17 | 7.00 | 0.00 | 0.12 | -0.05 | 0.27 | 11.00 | 0.00 | -0.12 | -0.36 | 0.32 | 3.00 | 1.00 | 0.05 | -0.27 | 0.28 | 10.00 | 0.00 |
| curr.may | 0.13 | -0.08 | 0.27 | 12.00 | 2.00 | 0.07 | -0.37 | 0.44 | 8.00 | 2.00 | 0.17 | 0.01 | 0.42 | 14.00 | 1.00 | 0.08 | -0.23 | 0.42 | 10.00 | 2.00 |
| curr.jun | 0.13 | 0.02 | 0.27 | 14.00 | 4.00 | 0.12 | -0.05 | 0.34 | 9.00 | 2.00 | 0.14 | -0.06 | 0.35 | 12.00 | 0.00 | 0.06 | -0.12 | 0.17 | 9.00 | 0.00 |
| curr.jul | 0.19 | -0.02 | 0.43 | 13.00 | 9.00 | 0.15 | -0.15 | 0.47 | 9.00 | 2.00 | 0.33 | 0.16 | 0.51 | 14.00 | 9.00 | 0.03 | -0.15 | 0.30 | 8.00 | 2.00 |
| curr.aug | 0.13 | 0.05 | 0.30 | 14.00 | 2.00 | 0.29 | -0.00 | 0.53 | 11.00 | 6.00 | 0.32 | 0.04 | 0.50 | 14.00 | 7.00 | 0.14 | -0.13 | 0.39 | 12.00 | 2.00 |

table 4: Summary of Pearson correlations across species for pet

| month | 1901-2009 | | | | | 1920-1949 | | | | | 1950-1979 | | | | | 1980-2009 | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig |
| prev.apr | -0.02 | -0.09 | 0.06 | 4.00 | 0.00 | -0.22 | -0.38 | -0.04 | 0.00 | 3.00 | 0.04 | -0.15 | 0.19 | 12.00 | 0.00 | 0.00 | -0.18 | 0.16 | 6.00 | 0.00 |
| prev.may | 0.15 | -0.03 | 0.36 | 13.00 | 5.00 | 0.29 | 0.10 | 0.46 | 12.00 | 5.00 | -0.00 | -0.19 | 0.25 | 6.00 | 0.00 | 0.16 | -0.19 | 0.42 | 11.00 | 2.00 |
| prev.jun | 0.03 | -0.12 | 0.22 | 7.00 | 2.00 | 0.19 | -0.07 | 0.53 | 10.00 | 3.00 | -0.12 | -0.29 | 0.03 | 2.00 | 0.00 | -0.01 | -0.20 | 0.19 | 5.00 | 0.00 |
| prev.jul | 0.11 | -0.01 | 0.31 | 12.00 | 5.00 | 0.18 | -0.07 | 0.40 | 11.00 | 5.00 | 0.20 | -0.05 | 0.50 | 11.00 | 2.00 | -0.08 | -0.35 | 0.12 | 5.00 | 1.00 |
| prev.aug | -0.02 | -0.33 | 0.15 | 8.00 | 1.00 | -0.07 | -0.48 | 0.26 | 4.00 | 1.00 | -0.00 | -0.23 | 0.29 | 7.00 | 0.00 | -0.06 | -0.35 | 0.19 | 5.00 | 0.00 |
| prev.sep | -0.08 | -0.23 | 0.10 | 2.00 | 3.00 | 0.01 | -0.27 | 0.29 | 6.00 | 0.00 | -0.16 | -0.54 | 0.06 | 2.00 | 3.00 | -0.14 | -0.51 | 0.06 | 2.00 | 1.00 |
| prev.oct | -0.06 | -0.25 | 0.09 | 5.00 | 2.00 | -0.13 | -0.41 | 0.21 | 2.00 | 1.00 | -0.16 | -0.53 | 0.16 | 2.00 | 1.00 | 0.05 | -0.19 | 0.22 | 9.00 | 0.00 |
| prev.nov | -0.17 | -0.27 | 0.03 | 2.00 | 7.00 | -0.29 | -0.53 | 0.02 | 1.00 | 5.00 | -0.35 | -0.57 | -0.12 | 0.00 | 9.00 | -0.15 | -0.40 | 0.19 | 2.00 | 0.00 |
| prev.dec | -0.09 | -0.18 | 0.06 | 2.00 | 0.00 | -0.08 | -0.31 | 0.07 | 3.00 | 0.00 | -0.23 | -0.44 | 0.11 | 1.00 | 6.00 | -0.05 | -0.30 | 0.16 | 5.00 | 0.00 |
| curr.jan | -0.01 | -0.11 | 0.23 | 6.00 | 1.00 | -0.20 | -0.37 | 0.07 | 1.00 | 2.00 | -0.03 | -0.20 | 0.23 | 5.00 | 0.00 | 0.10 | -0.17 | 0.28 | 11.00 | 1.00 |
| curr.feb | -0.11 | -0.25 | 0.13 | 1.00 | 1.00 | -0.17 | -0.38 | 0.10 | 2.00 | 1.00 | -0.13 | -0.37 | 0.30 | 2.00 | 0.00 | -0.03 | -0.24 | 0.16 | 5.00 | 0.00 |
| curr.mar | -0.09 | -0.21 | 0.09 | 2.00 | 1.00 | 0.07 | -0.33 | 0.24 | 10.00 | 0.00 | -0.30 | -0.49 | 0.01 | 1.00 | 2.00 | -0.04 | -0.32 | 0.29 | 5.00 | 0.00 |
| curr.apr | 0.10 | -0.18 | 0.28 | 12.00 | 2.00 | -0.04 | -0.22 | 0.22 | 3.00 | 0.00 | 0.09 | -0.31 | 0.47 | 10.00 | 1.00 | 0.10 | -0.10 | 0.40 | 10.00 | 2.00 |
| curr.may | -0.19 | -0.30 | -0.04 | 0.00 | 8.00 | -0.19 | -0.46 | 0.06 | 2.00 | 3.00 | -0.27 | -0.50 | -0.08 | 0.00 | 3.00 | -0.02 | -0.32 | 0.18 | 5.00 | 1.00 |
| curr.jun | -0.20 | -0.35 | -0.02 | 0.00 | 8.00 | -0.24 | -0.55 | 0.12 | 1.00 | 4.00 | -0.20 | -0.46 | 0.06 | 1.00 | 4.00 | -0.08 | -0.26 | 0.07 | 3.00 | 0.00 |
| curr.jul | -0.20 | -0.35 | 0.06 | 1.00 | 8.00 | -0.11 | -0.45 | 0.27 | 4.00 | 1.00 | -0.25 | -0.43 | -0.05 | 0.00 | 4.00 | -0.12 | -0.33 | 0.14 | 2.00 | 1.00 |
| curr.aug | -0.17 | -0.30 | -0.05 | 0.00 | 8.00 | -0.19 | -0.53 | -0.00 | 0.00 | 2.00 | -0.04 | -0.29 | 0.14 | 6.00 | 0.00 | -0.15 | -0.36 | 0.17 | 2.00 | 1.00 |

table 5: Summary of Pearson correlations across species for PETminusPRE

| month | 1901-2009 | | | | | 1920-1949 | | | | | 1950-1979 | | | | | 1980-2009 | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig |
| prev.apr | -0.02 | -0.11 | 0.10 | 4.00 | 0.00 | -0.24 | -0.41 | -0.03 | 0.00 | 4.00 | 0.00 | -0.15 | 0.21 | 8.00 | 0.00 | 0.03 | -0.22 | 0.36 | 8.00 | 0.00 |
| prev.may | 0.15 | -0.00 | 0.38 | 13.00 | 4.00 | 0.40 | 0.25 | 0.58 | 12.00 | 9.00 | -0.02 | -0.25 | 0.32 | 6.00 | 1.00 | 0.09 | -0.16 | 0.30 | 10.00 | 0.00 |
| prev.jun | 0.06 | -0.24 | 0.24 | 11.00 | 4.00 | 0.15 | -0.13 | 0.41 | 10.00 | 2.00 | 0.04 | -0.21 | 0.25 | 10.00 | 0.00 | -0.03 | -0.36 | 0.18 | 7.00 | 0.00 |
| prev.jul | 0.07 | -0.07 | 0.23 | 9.00 | 3.00 | 0.15 | -0.15 | 0.42 | 9.00 | 2.00 | 0.09 | -0.22 | 0.26 | 9.00 | 0.00 | -0.11 | -0.31 | 0.15 | 4.00 | 1.00 |
| prev.aug | -0.05 | -0.33 | 0.06 | 3.00 | 1.00 | -0.15 | -0.56 | 0.17 | 2.00 | 1.00 | -0.09 | -0.27 | 0.06 | 3.00 | 0.00 | 0.07 | -0.30 | 0.31 | 10.00 | 1.00 |
| prev.sep | -0.08 | -0.34 | 0.03 | 3.00 | 3.00 | -0.02 | -0.34 | 0.22 | 5.00 | 1.00 | -0.09 | -0.23 | 0.21 | 3.00 | 0.00 | -0.12 | -0.49 | 0.22 | 4.00 | 3.00 |
| prev.oct | 0.06 | -0.09 | 0.16 | 11.00 | 0.00 | -0.01 | -0.25 | 0.22 | 7.00 | 0.00 | -0.01 | -0.34 | 0.29 | 8.00 | 0.00 | 0.23 | -0.18 | 0.53 | 11.00 | 2.00 |
| prev.nov | -0.10 | -0.28 | 0.23 | 2.00 | 3.00 | -0.24 | -0.45 | 0.00 | 1.00 | 4.00 | -0.05 | -0.37 | 0.12 | 6.00 | 0.00 | -0.08 | -0.30 | 0.17 | 4.00 | 0.00 |
| prev.dec | -0.06 | -0.13 | 0.02 | 3.00 | 0.00 | 0.03 | -0.16 | 0.50 | 7.00 | 1.00 | -0.24 | -0.42 | 0.04 | 1.00 | 2.00 | 0.17 | -0.04 | 0.40 | 12.00 | 2.00 |
| curr.jan | 0.10 | -0.07 | 0.26 | 11.00 | 3.00 | 0.00 | -0.29 | 0.34 | 5.00 | 2.00 | 0.05 | -0.40 | 0.36 | 9.00 | 2.00 | 0.19 | -0.02 | 0.45 | 13.00 | 2.00 |
| curr.feb | -0.08 | -0.21 | 0.14 | 3.00 | 1.00 | -0.13 | -0.39 | 0.19 | 4.00 | 2.00 | -0.00 | -0.20 | 0.29 | 5.00 | 0.00 | -0.08 | -0.31 | 0.22 | 3.00 | 0.00 |
| curr.mar | -0.08 | -0.25 | 0.06 | 3.00 | 1.00 | 0.04 | -0.25 | 0.33 | 7.00 | 0.00 | -0.26 | -0.45 | -0.08 | 0.00 | 3.00 | -0.02 | -0.39 | 0.31 | 7.00 | 0.00 |
| curr.apr | 0.04 | -0.27 | 0.19 | 11.00 | 2.00 | -0.19 | -0.37 | 0.03 | 1.00 | 1.00 | 0.16 | -0.33 | 0.41 | 12.00 | 1.00 | 0.00 | -0.23 | 0.23 | 6.00 | 0.00 |
| curr.may | -0.19 | -0.34 | -0.06 | 0.00 | 8.00 | -0.23 | -0.45 | 0.06 | 1.00 | 3.00 | -0.19 | -0.45 | -0.01 | 0.00 | 1.00 | -0.14 | -0.33 | 0.33 | 3.00 | 0.00 |
| curr.jun | -0.15 | -0.27 | -0.05 | 0.00 | 5.00 | -0.26 | -0.45 | 0.13 | 1.00 | 4.00 | -0.14 | -0.46 | 0.08 | 1.00 | 2.00 | -0.07 | -0.23 | 0.17 | 3.00 | 0.00 |
| curr.jul | -0.19 | -0.44 | 0.03 | 1.00 | 7.00 | -0.12 | -0.48 | 0.16 | 3.00 | 1.00 | -0.35 | -0.53 | -0.10 | 0.00 | 9.00 | 0.02 | -0.20 | 0.28 | 8.00 | 1.00 |
| curr.aug | -0.17 | -0.31 | -0.03 | 0.00 | 5.00 | -0.22 | -0.49 | 0.12 | 1.00 | 4.00 | -0.30 | -0.49 | -0.01 | 0.00 | 6.00 | -0.14 | -0.41 | 0.22 | 3.00 | 2.00 |

table 6: Summary of Pearson correlations across species for pre

| month | 1901-2009 | | | | | 1920-1949 | | | | | 1950-1979 | | | | | 1980-2009 | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig |
| prev.apr | 0.02 | -0.11 | 0.13 | 10.00 | 0.00 | 0.23 | -0.07 | 0.42 | 11.00 | 2.00 | 0.01 | -0.25 | 0.19 | 6.00 | 0.00 | -0.04 | -0.41 | 0.23 | 6.00 | 2.00 |
| prev.may | -0.14 | -0.34 | 0.00 | 1.00 | 4.00 | -0.39 | -0.54 | -0.23 | 0.00 | 9.00 | 0.03 | -0.30 | 0.28 | 9.00 | 1.00 | -0.08 | -0.28 | 0.13 | 5.00 | 0.00 |
| prev.jun | -0.06 | -0.23 | 0.25 | 3.00 | 4.00 | -0.11 | -0.35 | 0.17 | 3.00 | 2.00 | -0.07 | -0.28 | 0.22 | 4.00 | 0.00 | 0.03 | -0.19 | 0.39 | 9.00 | 0.00 |
| prev.jul | -0.05 | -0.20 | 0.09 | 5.00 | 2.00 | -0.12 | -0.39 | 0.15 | 3.00 | 2.00 | -0.05 | -0.21 | 0.25 | 5.00 | 0.00 | 0.11 | -0.15 | 0.31 | 12.00 | 0.00 |
| prev.aug | 0.06 | -0.04 | 0.29 | 12.00 | 1.00 | 0.16 | -0.17 | 0.53 | 10.00 | 2.00 | 0.10 | -0.08 | 0.27 | 11.00 | 0.00 | -0.10 | -0.33 | 0.29 | 4.00 | 1.00 |
| prev.sep | 0.08 | -0.03 | 0.34 | 10.00 | 3.00 | 0.02 | -0.20 | 0.33 | 7.00 | 1.00 | 0.07 | -0.23 | 0.21 | 10.00 | 0.00 | 0.11 | -0.26 | 0.49 | 11.00 | 2.00 |
| prev.oct | -0.08 | -0.19 | 0.05 | 2.00 | 0.00 | -0.01 | -0.21 | 0.20 | 5.00 | 0.00 | -0.01 | -0.31 | 0.32 | 6.00 | 0.00 | -0.24 | -0.53 | 0.17 | 3.00 | 2.00 |
| prev.nov | 0.07 | -0.24 | 0.25 | 12.00 | 2.00 | 0.20 | -0.04 | 0.40 | 11.00 | 2.00 | -0.01 | -0.19 | 0.37 | 6.00 | 0.00 | 0.06 | -0.18 | 0.26 | 10.00 | 0.00 |
| prev.dec | 0.04 | -0.07 | 0.12 | 10.00 | 0.00 | -0.05 | -0.53 | 0.15 | 5.00 | 1.00 | 0.20 | -0.10 | 0.42 | 13.00 | 1.00 | -0.20 | -0.43 | 0.03 | 2.00 | 3.00 |
| curr.jan | -0.11 | -0.27 | 0.07 | 3.00 | 3.00 | -0.05 | -0.43 | 0.25 | 7.00 | 1.00 | -0.06 | -0.41 | 0.42 | 5.00 | 2.00 | -0.19 | -0.44 | 0.05 | 1.00 | 2.00 |
| curr.feb | 0.06 | -0.12 | 0.19 | 10.00 | 0.00 | 0.08 | -0.18 | 0.38 | 7.00 | 0.00 | -0.04 | -0.27 | 0.12 | 6.00 | 0.00 | 0.08 | -0.23 | 0.31 | 11.00 | 1.00 |
| curr.mar | 0.06 | -0.06 | 0.21 | 11.00 | 1.00 | -0.01 | -0.28 | 0.28 | 5.00 | 1.00 | 0.18 | -0.03 | 0.39 | 13.00 | 1.00 | 0.01 | -0.29 | 0.39 | 6.00 | 0.00 |
| curr.apr | -0.01 | -0.17 | 0.26 | 4.00 | 1.00 | 0.20 | 0.02 | 0.37 | 12.00 | 2.00 | -0.16 | -0.39 | 0.29 | 2.00 | 2.00 | 0.02 | -0.25 | 0.27 | 8.00 | 0.00 |
| curr.may | 0.17 | 0.03 | 0.32 | 14.00 | 7.00 | 0.21 | -0.07 | 0.41 | 11.00 | 2.00 | 0.15 | -0.05 | 0.38 | 13.00 | 2.00 | 0.15 | -0.36 | 0.34 | 11.00 | 1.00 |
| curr.jun | 0.12 | 0.03 | 0.26 | 14.00 | 3.00 | 0.23 | -0.12 | 0.38 | 11.00 | 4.00 | 0.12 | -0.11 | 0.45 | 11.00 | 2.00 | 0.06 | -0.18 | 0.22 | 10.00 | 0.00 |
| curr.jul | 0.16 | -0.01 | 0.42 | 13.00 | 6.00 | 0.12 | -0.16 | 0.49 | 10.00 | 1.00 | 0.35 | 0.12 | 0.52 | 14.00 | 8.00 | -0.06 | -0.29 | 0.24 | 5.00 | 1.00 |
| curr.aug | 0.16 | 0.01 | 0.28 | 14.00 | 3.00 | 0.21 | -0.14 | 0.50 | 11.00 | 4.00 | 0.32 | 0.01 | 0.52 | 14.00 | 8.00 | 0.12 | -0.39 | 0.39 | 12.00 | 3.00 |

table 7: Summary of Pearson correlations across species for tmn

| month | 1901-2009 | | | | | 1920-1949 | | | | | 1950-1979 | | | | | 1980-2009 | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig |
| prev.apr | 0.02 | -0.14 | 0.14 | 8.00 | 0.00 | -0.29 | -0.49 | -0.17 | 0.00 | 4.00 | 0.25 | -0.04 | 0.43 | 13.00 | 5.00 | 0.03 | -0.17 | 0.20 | 9.00 | 0.00 |
| prev.may | -0.01 | -0.16 | 0.12 | 8.00 | 0.00 | -0.11 | -0.40 | 0.29 | 4.00 | 2.00 | -0.05 | -0.19 | 0.14 | 3.00 | 0.00 | -0.03 | -0.23 | 0.17 | 6.00 | 0.00 |
| prev.jun | -0.00 | -0.14 | 0.10 | 6.00 | 0.00 | -0.05 | -0.17 | 0.16 | 3.00 | 0.00 | -0.00 | -0.21 | 0.27 | 6.00 | 0.00 | 0.00 | -0.40 | 0.31 | 7.00 | 1.00 |
| prev.jul | 0.04 | -0.10 | 0.18 | 9.00 | 0.00 | 0.03 | -0.20 | 0.30 | 7.00 | 1.00 | 0.13 | 0.02 | 0.36 | 14.00 | 1.00 | -0.01 | -0.26 | 0.18 | 6.00 | 0.00 |
| prev.aug | 0.08 | -0.03 | 0.27 | 12.00 | 1.00 | 0.28 | 0.06 | 0.52 | 12.00 | 2.00 | 0.17 | -0.07 | 0.30 | 13.00 | 0.00 | -0.13 | -0.46 | 0.07 | 1.00 | 2.00 |
| prev.sep | 0.01 | -0.11 | 0.09 | 8.00 | 0.00 | 0.09 | -0.08 | 0.37 | 11.00 | 1.00 | 0.05 | -0.15 | 0.47 | 8.00 | 1.00 | -0.09 | -0.38 | 0.26 | 3.00 | 2.00 |
| prev.oct | 0.03 | -0.05 | 0.11 | 10.00 | 0.00 | 0.04 | -0.19 | 0.27 | 7.00 | 0.00 | 0.05 | -0.14 | 0.31 | 7.00 | 0.00 | -0.15 | -0.30 | 0.07 | 1.00 | 0.00 |
| prev.nov | 0.02 | -0.06 | 0.08 | 11.00 | 0.00 | -0.14 | -0.41 | 0.20 | 3.00 | 1.00 | 0.00 | -0.18 | 0.14 | 6.00 | 0.00 | 0.02 | -0.13 | 0.17 | 9.00 | 0.00 |
| prev.dec | 0.05 | -0.08 | 0.23 | 10.00 | 1.00 | 0.08 | -0.14 | 0.37 | 9.00 | 0.00 | 0.14 | -0.13 | 0.40 | 11.00 | 1.00 | -0.20 | -0.51 | 0.13 | 2.00 | 2.00 |
| curr.jan | -0.03 | -0.16 | 0.12 | 6.00 | 0.00 | -0.23 | -0.48 | -0.01 | 0.00 | 3.00 | 0.06 | -0.16 | 0.29 | 9.00 | 0.00 | 0.01 | -0.33 | 0.21 | 9.00 | 1.00 |
| curr.feb | -0.02 | -0.16 | 0.09 | 7.00 | 0.00 | -0.03 | -0.35 | 0.13 | 5.00 | 1.00 | -0.08 | -0.26 | 0.28 | 3.00 | 0.00 | -0.02 | -0.29 | 0.33 | 7.00 | 1.00 |
| curr.mar | -0.00 | -0.10 | 0.10 | 6.00 | 0.00 | 0.15 | -0.18 | 0.36 | 10.00 | 2.00 | -0.17 | -0.32 | 0.16 | 1.00 | 0.00 | 0.01 | -0.30 | 0.37 | 6.00 | 1.00 |
| curr.apr | 0.08 | -0.07 | 0.18 | 11.00 | 0.00 | 0.05 | -0.19 | 0.41 | 6.00 | 1.00 | 0.10 | -0.12 | 0.41 | 12.00 | 1.00 | -0.04 | -0.30 | 0.26 | 6.00 | 0.00 |
| curr.may | -0.13 | -0.23 | 0.06 | 1.00 | 3.00 | -0.06 | -0.26 | 0.36 | 2.00 | 1.00 | -0.27 | -0.46 | -0.06 | 0.00 | 6.00 | -0.04 | -0.32 | 0.21 | 3.00 | 0.00 |
| curr.jun | -0.09 | -0.22 | 0.03 | 3.00 | 3.00 | -0.23 | -0.44 | 0.05 | 1.00 | 2.00 | -0.05 | -0.28 | 0.21 | 5.00 | 0.00 | 0.00 | -0.19 | 0.36 | 5.00 | 0.00 |
| curr.jul | -0.01 | -0.27 | 0.17 | 8.00 | 1.00 | 0.08 | -0.11 | 0.21 | 10.00 | 0.00 | 0.00 | -0.21 | 0.28 | 5.00 | 0.00 | -0.21 | -0.53 | 0.04 | 1.00 | 3.00 |
| curr.aug | -0.01 | -0.24 | 0.12 | 5.00 | 1.00 | -0.07 | -0.33 | 0.34 | 3.00 | 2.00 | 0.05 | -0.18 | 0.25 | 10.00 | 0.00 | -0.04 | -0.59 | 0.20 | 8.00 | 1.00 |

table 8: Summary of Pearson correlations across species for tmp

| month | 1901-2009 | | | | | 1920-1949 | | | | | 1950-1979 | | | | | 1980-2009 | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig |
| prev.apr | 0.01 | -0.13 | 0.09 | 8.00 | 0.00 | -0.30 | -0.50 | -0.15 | 0.00 | 4.00 | 0.24 | -0.02 | 0.37 | 13.00 | 2.00 | 0.00 | -0.17 | 0.12 | 9.00 | 0.00 |
| prev.may | 0.05 | -0.11 | 0.20 | 10.00 | 2.00 | 0.01 | -0.29 | 0.30 | 6.00 | 0.00 | -0.00 | -0.16 | 0.17 | 7.00 | 0.00 | 0.01 | -0.21 | 0.17 | 7.00 | 0.00 |
| prev.jun | 0.03 | -0.12 | 0.18 | 8.00 | 0.00 | 0.03 | -0.12 | 0.31 | 7.00 | 0.00 | 0.06 | -0.13 | 0.27 | 10.00 | 0.00 | -0.06 | -0.40 | 0.25 | 5.00 | 1.00 |
| prev.jul | 0.07 | -0.08 | 0.23 | 9.00 | 1.00 | 0.09 | -0.23 | 0.35 | 8.00 | 0.00 | 0.21 | 0.05 | 0.44 | 14.00 | 3.00 | -0.09 | -0.38 | 0.04 | 2.00 | 1.00 |
| prev.aug | 0.06 | -0.12 | 0.27 | 11.00 | 1.00 | 0.17 | -0.12 | 0.51 | 11.00 | 1.00 | 0.17 | -0.14 | 0.34 | 12.00 | 0.00 | -0.12 | -0.38 | 0.12 | 4.00 | 1.00 |
| prev.sep | -0.04 | -0.17 | 0.05 | 6.00 | 0.00 | 0.05 | -0.08 | 0.33 | 8.00 | 1.00 | -0.05 | -0.30 | 0.26 | 5.00 | 0.00 | -0.14 | -0.52 | 0.11 | 2.00 | 1.00 |
| prev.oct | -0.01 | -0.09 | 0.08 | 7.00 | 0.00 | -0.03 | -0.28 | 0.26 | 4.00 | 0.00 | 0.02 | -0.18 | 0.17 | 8.00 | 0.00 | -0.15 | -0.28 | 0.04 | 2.00 | 0.00 |
| prev.nov | -0.04 | -0.15 | 0.08 | 5.00 | 0.00 | -0.24 | -0.48 | 0.12 | 2.00 | 3.00 | -0.04 | -0.18 | 0.07 | 4.00 | 0.00 | -0.07 | -0.24 | 0.20 | 3.00 | 0.00 |
| prev.dec | 0.01 | -0.12 | 0.19 | 8.00 | 1.00 | 0.02 | -0.23 | 0.29 | 8.00 | 0.00 | 0.09 | -0.13 | 0.38 | 9.00 | 1.00 | -0.20 | -0.53 | 0.14 | 2.00 | 2.00 |
| curr.jan | -0.04 | -0.19 | 0.14 | 4.00 | 1.00 | -0.23 | -0.48 | 0.04 | 1.00 | 3.00 | 0.05 | -0.11 | 0.30 | 9.00 | 0.00 | 0.01 | -0.38 | 0.20 | 9.00 | 1.00 |
| curr.feb | -0.04 | -0.18 | 0.07 | 5.00 | 0.00 | -0.06 | -0.36 | 0.13 | 5.00 | 1.00 | -0.10 | -0.29 | 0.30 | 3.00 | 0.00 | -0.03 | -0.32 | 0.32 | 7.00 | 0.00 |
| curr.mar | -0.05 | -0.18 | 0.10 | 5.00 | 0.00 | 0.10 | -0.29 | 0.31 | 10.00 | 0.00 | -0.25 | -0.38 | 0.07 | 1.00 | 0.00 | -0.00 | -0.30 | 0.44 | 5.00 | 1.00 |
| curr.apr | 0.09 | -0.12 | 0.23 | 12.00 | 1.00 | -0.00 | -0.21 | 0.30 | 4.00 | 0.00 | 0.12 | -0.08 | 0.54 | 10.00 | 1.00 | 0.02 | -0.26 | 0.34 | 7.00 | 1.00 |
| curr.may | -0.17 | -0.29 | 0.01 | 1.00 | 8.00 | -0.12 | -0.32 | 0.32 | 3.00 | 0.00 | -0.30 | -0.47 | -0.13 | 0.00 | 7.00 | -0.07 | -0.27 | 0.12 | 3.00 | 0.00 |
| curr.jun | -0.14 | -0.30 | 0.01 | 1.00 | 3.00 | -0.26 | -0.49 | 0.14 | 1.00 | 4.00 | -0.09 | -0.33 | 0.17 | 3.00 | 0.00 | -0.03 | -0.26 | 0.27 | 6.00 | 0.00 |
| curr.jul | -0.10 | -0.28 | 0.17 | 2.00 | 4.00 | 0.04 | -0.18 | 0.33 | 7.00 | 0.00 | -0.16 | -0.33 | 0.14 | 2.00 | 0.00 | -0.17 | -0.42 | 0.04 | 2.00 | 0.00 |
| curr.aug | -0.11 | -0.30 | 0.06 | 2.00 | 1.00 | -0.15 | -0.34 | 0.12 | 2.00 | 1.00 | -0.06 | -0.30 | 0.10 | 3.00 | 0.00 | -0.09 | -0.54 | 0.25 | 5.00 | 2.00 |

table 9: Summary of Pearson correlations across species for tmx

| month | 1901-2009 | | | | | 1920-1949 | | | | | 1950-1979 | | | | | 1980-2009 | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig |
| prev.apr | -0.00 | -0.10 | 0.09 | 6.00 | 0.00 | -0.29 | -0.47 | -0.11 | 0.00 | 3.00 | 0.20 | -0.04 | 0.34 | 13.00 | 0.00 | -0.02 | -0.22 | 0.14 | 8.00 | 0.00 |
| prev.may | 0.09 | -0.07 | 0.28 | 12.00 | 2.00 | 0.11 | -0.17 | 0.34 | 10.00 | 1.00 | 0.04 | -0.13 | 0.27 | 8.00 | 0.00 | 0.04 | -0.23 | 0.27 | 10.00 | 0.00 |
| prev.jun | 0.05 | -0.12 | 0.22 | 9.00 | 2.00 | 0.09 | -0.08 | 0.41 | 8.00 | 1.00 | 0.09 | -0.09 | 0.26 | 10.00 | 0.00 | -0.10 | -0.31 | 0.17 | 3.00 | 0.00 |
| prev.jul | 0.08 | -0.08 | 0.26 | 10.00 | 3.00 | 0.12 | -0.22 | 0.38 | 10.00 | 1.00 | 0.23 | -0.01 | 0.50 | 12.00 | 3.00 | -0.12 | -0.38 | 0.00 | 1.00 | 1.00 |
| prev.aug | 0.04 | -0.23 | 0.21 | 9.00 | 2.00 | 0.07 | -0.33 | 0.40 | 8.00 | 1.00 | 0.12 | -0.18 | 0.28 | 11.00 | 0.00 | -0.09 | -0.38 | 0.20 | 4.00 | 0.00 |
| prev.sep | -0.08 | -0.21 | 0.07 | 2.00 | 1.00 | 0.02 | -0.18 | 0.27 | 5.00 | 0.00 | -0.12 | -0.43 | 0.08 | 4.00 | 2.00 | -0.14 | -0.53 | 0.08 | 1.00 | 2.00 |
| prev.oct | -0.04 | -0.19 | 0.08 | 4.00 | 0.00 | -0.09 | -0.32 | 0.21 | 3.00 | 1.00 | -0.02 | -0.19 | 0.12 | 5.00 | 0.00 | -0.12 | -0.30 | 0.08 | 3.00 | 0.00 |
| prev.nov | -0.08 | -0.20 | 0.14 | 3.00 | 1.00 | -0.30 | -0.54 | 0.09 | 1.00 | 6.00 | -0.07 | -0.27 | 0.03 | 3.00 | 0.00 | -0.13 | -0.33 | 0.21 | 2.00 | 0.00 |
| prev.dec | -0.03 | -0.17 | 0.16 | 5.00 | 0.00 | -0.03 | -0.32 | 0.21 | 5.00 | 0.00 | 0.04 | -0.15 | 0.34 | 7.00 | 1.00 | -0.19 | -0.51 | 0.15 | 2.00 | 2.00 |
| curr.jan | -0.04 | -0.22 | 0.16 | 5.00 | 1.00 | -0.22 | -0.47 | 0.08 | 1.00 | 3.00 | 0.05 | -0.12 | 0.30 | 7.00 | 0.00 | 0.01 | -0.40 | 0.22 | 9.00 | 1.00 |
| curr.feb | -0.06 | -0.18 | 0.12 | 3.00 | 0.00 | -0.09 | -0.36 | 0.14 | 4.00 | 1.00 | -0.10 | -0.30 | 0.30 | 3.00 | 1.00 | -0.04 | -0.32 | 0.27 | 6.00 | 0.00 |
| curr.mar | -0.08 | -0.21 | 0.11 | 3.00 | 2.00 | 0.07 | -0.35 | 0.26 | 10.00 | 0.00 | -0.29 | -0.43 | 0.01 | 1.00 | 2.00 | -0.01 | -0.28 | 0.44 | 5.00 | 1.00 |
| curr.apr | 0.09 | -0.18 | 0.25 | 11.00 | 2.00 | -0.03 | -0.21 | 0.20 | 3.00 | 0.00 | 0.11 | -0.24 | 0.55 | 10.00 | 1.00 | 0.06 | -0.27 | 0.35 | 10.00 | 1.00 |
| curr.may | -0.18 | -0.31 | -0.02 | 0.00 | 8.00 | -0.14 | -0.33 | 0.26 | 2.00 | 2.00 | -0.29 | -0.45 | -0.09 | 0.00 | 4.00 | -0.09 | -0.24 | 0.08 | 4.00 | 0.00 |
| curr.jun | -0.16 | -0.30 | -0.01 | 0.00 | 5.00 | -0.27 | -0.53 | 0.21 | 1.00 | 4.00 | -0.11 | -0.38 | 0.11 | 3.00 | 1.00 | -0.06 | -0.28 | 0.13 | 3.00 | 0.00 |
| curr.jul | -0.14 | -0.34 | 0.14 | 1.00 | 3.00 | -0.01 | -0.27 | 0.39 | 6.00 | 1.00 | -0.22 | -0.39 | 0.02 | 1.00 | 3.00 | -0.12 | -0.30 | 0.13 | 4.00 | 0.00 |
| curr.aug | -0.17 | -0.28 | 0.00 | 1.00 | 8.00 | -0.17 | -0.39 | -0.04 | 0.00 | 1.00 | -0.17 | -0.33 | -0.03 | 0.00 | 0.00 | -0.12 | -0.44 | 0.27 | 3.00 | 2.00 |

table 10: Summary of Pearson correlations across species for vap

| month | 1901-2009 | | | | | 1920-1949 | | | | | 1950-1979 | | | | | 1980-2009 | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig |
| prev.apr | 0.05 | -0.09 | 0.17 | 12.00 | 0.00 | -0.34 | -0.54 | -0.15 | 0.00 | 6.00 | 0.30 | 0.00 | 0.54 | 14.00 | 7.00 | 0.02 | -0.16 | 0.17 | 9.00 | 0.00 |
| prev.may | -0.02 | -0.10 | 0.09 | 7.00 | 0.00 | -0.20 | -0.48 | 0.21 | 2.00 | 3.00 | 0.08 | -0.15 | 0.26 | 12.00 | 0.00 | -0.05 | -0.25 | 0.10 | 5.00 | 0.00 |
| prev.jun | 0.05 | -0.06 | 0.20 | 11.00 | 0.00 | -0.11 | -0.25 | -0.02 | 0.00 | 0.00 | 0.30 | 0.05 | 0.45 | 14.00 | 5.00 | -0.08 | -0.45 | 0.29 | 2.00 | 1.00 |
| prev.jul | 0.03 | -0.10 | 0.20 | 6.00 | 0.00 | -0.05 | -0.29 | 0.14 | 4.00 | 0.00 | 0.16 | 0.05 | 0.38 | 14.00 | 0.00 | -0.07 | -0.28 | 0.31 | 4.00 | 0.00 |
| prev.aug | 0.07 | -0.05 | 0.19 | 13.00 | 0.00 | 0.25 | 0.15 | 0.44 | 12.00 | 2.00 | 0.14 | -0.07 | 0.31 | 13.00 | 0.00 | -0.12 | -0.44 | 0.05 | 2.00 | 1.00 |
| prev.sep | 0.02 | -0.09 | 0.11 | 9.00 | 0.00 | 0.05 | -0.21 | 0.33 | 8.00 | 1.00 | 0.01 | -0.20 | 0.31 | 6.00 | 0.00 | 0.04 | -0.26 | 0.22 | 10.00 | 0.00 |
| prev.oct | 0.01 | -0.07 | 0.07 | 8.00 | 0.00 | 0.07 | -0.07 | 0.25 | 10.00 | 0.00 | 0.10 | -0.11 | 0.31 | 12.00 | 1.00 | -0.18 | -0.37 | 0.01 | 1.00 | 1.00 |
| prev.nov | 0.08 | -0.01 | 0.16 | 13.00 | 0.00 | -0.13 | -0.33 | 0.21 | 2.00 | 1.00 | 0.26 | 0.02 | 0.56 | 14.00 | 2.00 | 0.01 | -0.19 | 0.15 | 6.00 | 0.00 |
| prev.dec | 0.05 | -0.10 | 0.23 | 9.00 | 1.00 | 0.10 | -0.12 | 0.45 | 9.00 | 1.00 | 0.27 | 0.01 | 0.54 | 14.00 | 3.00 | -0.21 | -0.49 | 0.10 | 3.00 | 3.00 |
| curr.jan | -0.05 | -0.24 | 0.06 | 5.00 | 1.00 | -0.19 | -0.49 | 0.06 | 2.00 | 3.00 | 0.09 | -0.08 | 0.27 | 11.00 | 0.00 | -0.03 | -0.42 | 0.19 | 5.00 | 1.00 |
| curr.feb | 0.02 | -0.10 | 0.16 | 9.00 | 0.00 | -0.02 | -0.35 | 0.15 | 6.00 | 1.00 | -0.02 | -0.20 | 0.28 | 5.00 | 0.00 | -0.01 | -0.38 | 0.29 | 8.00 | 1.00 |
| curr.mar | 0.02 | -0.11 | 0.13 | 11.00 | 0.00 | 0.13 | -0.21 | 0.39 | 10.00 | 2.00 | -0.14 | -0.29 | 0.22 | 2.00 | 1.00 | 0.06 | -0.30 | 0.38 | 10.00 | 1.00 |
| curr.apr | 0.02 | -0.05 | 0.08 | 10.00 | 0.00 | 0.04 | -0.18 | 0.35 | 7.00 | 1.00 | 0.06 | -0.19 | 0.27 | 9.00 | 0.00 | -0.06 | -0.42 | 0.17 | 4.00 | 1.00 |
| curr.may | -0.09 | -0.21 | 0.07 | 2.00 | 2.00 | -0.05 | -0.26 | 0.42 | 2.00 | 1.00 | -0.17 | -0.35 | -0.00 | 0.00 | 0.00 | -0.10 | -0.34 | 0.15 | 2.00 | 0.00 |
| curr.jun | -0.04 | -0.17 | 0.13 | 3.00 | 0.00 | -0.22 | -0.46 | 0.09 | 1.00 | 3.00 | 0.03 | -0.18 | 0.26 | 8.00 | 0.00 | 0.00 | -0.22 | 0.40 | 8.00 | 1.00 |
| curr.jul | 0.04 | -0.19 | 0.17 | 10.00 | 1.00 | 0.07 | -0.12 | 0.24 | 9.00 | 0.00 | 0.07 | -0.13 | 0.41 | 9.00 | 1.00 | -0.07 | -0.34 | 0.09 | 5.00 | 1.00 |
| curr.aug | 0.05 | -0.18 | 0.18 | 12.00 | 0.00 | -0.02 | -0.39 | 0.35 | 4.00 | 2.00 | 0.03 | -0.09 | 0.31 | 8.00 | 1.00 | 0.09 | -0.35 | 0.32 | 11.00 | 0.00 |

table 11: Summary of Pearson correlations across species for wet

| month | 1901-2009 | | | | | 1920-1949 | | | | | 1950-1979 | | | | | 1980-2009 | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig | mean | min | max | n pos | n sig |
| prev.apr | 0.02 | -0.12 | 0.11 | 10.00 | 0.00 | 0.23 | -0.05 | 0.37 | 10.00 | 2.00 | -0.00 | -0.29 | 0.24 | 8.00 | 0.00 | -0.03 | -0.37 | 0.29 | 6.00 | 3.00 |
| prev.may | -0.16 | -0.38 | -0.04 | 0.00 | 5.00 | -0.40 | -0.59 | -0.27 | 0.00 | 9.00 | 0.01 | -0.34 | 0.28 | 7.00 | 1.00 | -0.10 | -0.31 | 0.11 | 3.00 | 0.00 |
| prev.jun | -0.06 | -0.22 | 0.22 | 3.00 | 3.00 | -0.19 | -0.42 | 0.06 | 3.00 | 1.00 | -0.04 | -0.24 | 0.22 | 4.00 | 0.00 | 0.03 | -0.25 | 0.37 | 9.00 | 0.00 |
| prev.jul | -0.02 | -0.15 | 0.16 | 6.00 | 0.00 | -0.10 | -0.32 | 0.14 | 4.00 | 2.00 | 0.01 | -0.18 | 0.21 | 6.00 | 0.00 | 0.12 | -0.20 | 0.36 | 11.00 | 0.00 |
| prev.aug | 0.09 | -0.03 | 0.32 | 12.00 | 1.00 | 0.16 | -0.08 | 0.54 | 9.00 | 1.00 | 0.11 | -0.10 | 0.34 | 12.00 | 0.00 | 0.02 | -0.21 | 0.30 | 7.00 | 0.00 |
| prev.sep | 0.06 | -0.04 | 0.31 | 8.00 | 2.00 | 0.01 | -0.23 | 0.34 | 6.00 | 1.00 | 0.04 | -0.24 | 0.19 | 9.00 | 0.00 | 0.12 | -0.23 | 0.52 | 10.00 | 3.00 |
| prev.oct | -0.03 | -0.13 | 0.09 | 4.00 | 0.00 | 0.02 | -0.21 | 0.19 | 6.00 | 0.00 | 0.08 | -0.26 | 0.39 | 10.00 | 1.00 | -0.22 | -0.49 | 0.13 | 3.00 | 2.00 |
| prev.nov | 0.10 | -0.20 | 0.26 | 12.00 | 1.00 | 0.23 | -0.04 | 0.42 | 11.00 | 3.00 | 0.03 | -0.15 | 0.36 | 7.00 | 0.00 | 0.05 | -0.14 | 0.30 | 9.00 | 0.00 |
| prev.dec | 0.04 | -0.08 | 0.12 | 10.00 | 0.00 | -0.05 | -0.51 | 0.16 | 5.00 | 1.00 | 0.20 | -0.02 | 0.40 | 13.00 | 1.00 | -0.21 | -0.46 | 0.02 | 2.00 | 3.00 |
| curr.jan | -0.14 | -0.29 | 0.03 | 2.00 | 3.00 | -0.09 | -0.44 | 0.19 | 3.00 | 2.00 | -0.08 | -0.42 | 0.36 | 4.00 | 1.00 | -0.21 | -0.43 | 0.01 | 1.00 | 3.00 |
| curr.feb | 0.05 | -0.16 | 0.19 | 10.00 | 0.00 | 0.09 | -0.10 | 0.39 | 8.00 | 1.00 | -0.05 | -0.31 | 0.14 | 4.00 | 0.00 | 0.07 | -0.26 | 0.27 | 11.00 | 1.00 |
| curr.mar | 0.06 | -0.07 | 0.18 | 10.00 | 0.00 | -0.04 | -0.25 | 0.24 | 4.00 | 1.00 | 0.24 | 0.02 | 0.42 | 14.00 | 3.00 | -0.01 | -0.27 | 0.35 | 7.00 | 0.00 |
| curr.apr | -0.02 | -0.16 | 0.21 | 4.00 | 1.00 | 0.15 | -0.02 | 0.34 | 11.00 | 1.00 | -0.13 | -0.38 | 0.31 | 3.00 | 1.00 | 0.02 | -0.22 | 0.20 | 7.00 | 0.00 |
| curr.may | 0.18 | 0.05 | 0.34 | 14.00 | 7.00 | 0.22 | -0.04 | 0.45 | 11.00 | 2.00 | 0.11 | -0.07 | 0.37 | 11.00 | 0.00 | 0.23 | -0.25 | 0.45 | 13.00 | 2.00 |
| curr.jun | 0.12 | 0.02 | 0.29 | 14.00 | 3.00 | 0.17 | -0.15 | 0.35 | 10.00 | 1.00 | 0.14 | -0.08 | 0.40 | 13.00 | 2.00 | 0.10 | -0.16 | 0.27 | 11.00 | 0.00 |
| curr.jul | 0.19 | -0.01 | 0.42 | 13.00 | 6.00 | 0.20 | -0.02 | 0.56 | 10.00 | 2.00 | 0.34 | 0.12 | 0.48 | 14.00 | 10.00 | -0.04 | -0.27 | 0.31 | 5.00 | 0.00 |
| curr.aug | 0.16 | 0.03 | 0.29 | 14.00 | 3.00 | 0.23 | -0.12 | 0.49 | 11.00 | 3.00 | 0.30 | 0.04 | 0.46 | 14.00 | 6.00 | 0.11 | -0.30 | 0.31 | 11.00 | 0.00 |