table 1: Summary of Pearson correlations across species for cld

| month | 1901-2009 | | | | | 1911-1943 | | | | | 1944-1976 | | | | | 1977-2009 | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant |
| prev.apr | 0.042 | -0.092 | 0.140 | 9.000 | 0.000 | 0.009 | -0.113 | 0.152 | 5.000 | 0.000 | -0.032 | -0.179 | 0.152 | 4.000 | 0.000 | 0.124 | -0.071 | 0.309 | 12.000 | 1.000 |
| prev.may | -0.229 | -0.425 | -0.044 | 0.000 | 11.000 | -0.285 | -0.433 | -0.044 | 0.000 | 3.000 | -0.079 | -0.407 | 0.197 | 4.000 | 1.000 | -0.333 | -0.518 | 0.039 | 1.000 | 7.000 |
| prev.jun | -0.101 | -0.283 | 0.100 | 3.000 | 2.000 | -0.312 | -0.489 | -0.180 | 0.000 | 4.000 | -0.030 | -0.258 | 0.142 | 8.000 | 0.000 | -0.041 | -0.346 | 0.311 | 5.000 | 2.000 |
| prev.jul | -0.145 | -0.298 | 0.003 | 1.000 | 5.000 | -0.266 | -0.417 | -0.098 | 0.000 | 5.000 | -0.179 | -0.356 | 0.056 | 1.000 | 1.000 | -0.066 | -0.366 | 0.140 | 7.000 | 3.000 |
| prev.aug | 0.073 | -0.097 | 0.272 | 10.000 | 2.000 | 0.137 | -0.106 | 0.357 | 6.000 | 1.000 | 0.056 | -0.113 | 0.302 | 9.000 | 0.000 | 0.124 | -0.057 | 0.308 | 13.000 | 0.000 |
| prev.sep | 0.026 | -0.089 | 0.172 | 9.000 | 0.000 | -0.111 | -0.224 | 0.105 | 2.000 | 0.000 | 0.132 | -0.316 | 0.382 | 12.000 | 2.000 | 0.112 | -0.319 | 0.307 | 13.000 | 1.000 |
| prev.oct | 0.060 | -0.232 | 0.271 | 11.000 | 2.000 | 0.171 | -0.034 | 0.365 | 6.000 | 2.000 | 0.157 | -0.180 | 0.414 | 13.000 | 4.000 | -0.193 | -0.388 | -0.055 | 0.000 | 4.000 |
| prev.nov | 0.135 | -0.296 | 0.287 | 13.000 | 5.000 | 0.066 | -0.115 | 0.348 | 4.000 | 0.000 | 0.164 | -0.277 | 0.358 | 13.000 | 3.000 | 0.285 | -0.121 | 0.548 | 12.000 | 5.000 |
| prev.dec | 0.097 | -0.071 | 0.180 | 12.000 | 2.000 | 0.213 | -0.050 | 0.320 | 7.000 | 2.000 | 0.116 | -0.027 | 0.282 | 13.000 | 1.000 | 0.019 | -0.347 | 0.228 | 9.000 | 1.000 |
| curr.jan | 0.005 | -0.178 | 0.125 | 6.000 | 0.000 | 0.001 | -0.134 | 0.140 | 3.000 | 0.000 | 0.097 | -0.187 | 0.468 | 11.000 | 1.000 | -0.109 | -0.370 | 0.118 | 3.000 | 1.000 |
| curr.feb | 0.047 | -0.084 | 0.137 | 11.000 | 0.000 | 0.367 | 0.087 | 0.550 | 8.000 | 5.000 | -0.062 | -0.213 | 0.128 | 3.000 | 0.000 | -0.017 | -0.150 | 0.094 | 6.000 | 0.000 |
| curr.mar | 0.140 | -0.104 | 0.354 | 13.000 | 3.000 | 0.342 | 0.102 | 0.600 | 8.000 | 5.000 | -0.069 | -0.306 | 0.169 | 5.000 | 1.000 | 0.229 | -0.020 | 0.421 | 13.000 | 3.000 |
| curr.apr | -0.047 | -0.191 | 0.236 | 4.000 | 2.000 | -0.059 | -0.270 | 0.139 | 2.000 | 0.000 | -0.082 | -0.329 | 0.500 | 4.000 | 3.000 | -0.053 | -0.241 | 0.178 | 5.000 | 0.000 |
| curr.may | 0.182 | -0.007 | 0.296 | 13.000 | 6.000 | 0.359 | 0.126 | 0.537 | 8.000 | 5.000 | 0.101 | -0.145 | 0.310 | 11.000 | 1.000 | 0.180 | -0.099 | 0.370 | 12.000 | 1.000 |
| curr.jun | 0.170 | 0.030 | 0.333 | 14.000 | 7.000 | 0.359 | 0.225 | 0.473 | 8.000 | 5.000 | 0.147 | -0.159 | 0.457 | 12.000 | 1.000 | 0.098 | -0.060 | 0.338 | 10.000 | 0.000 |
| curr.jul | 0.170 | -0.045 | 0.329 | 11.000 | 6.000 | 0.377 | 0.186 | 0.493 | 8.000 | 4.000 | 0.195 | -0.153 | 0.502 | 13.000 | 2.000 | 0.045 | -0.074 | 0.351 | 5.000 | 1.000 |
| curr.aug | 0.058 | -0.106 | 0.174 | 10.000 | 0.000 | 0.314 | 0.124 | 0.525 | 8.000 | 5.000 | -0.167 | -0.355 | 0.056 | 2.000 | 1.000 | -0.043 | -0.220 | 0.139 | 6.000 | 0.000 |

table 2: Summary of Pearson correlations across species for dtr

| month | 1901-2009 | | | | | 1911-1943 | | | | | 1944-1976 | | | | | 1977-2009 | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant |
| prev.apr | -0.024 | -0.118 | 0.131 | 4.000 | 0.000 | -0.008 | -0.179 | 0.128 | 3.000 | 0.000 | 0.090 | -0.144 | 0.236 | 13.000 | 0.000 | -0.119 | -0.262 | 0.095 | 2.000 | 0.000 |
| prev.may | 0.163 | 0.056 | 0.360 | 14.000 | 5.000 | 0.189 | -0.019 | 0.319 | 7.000 | 0.000 | 0.126 | -0.115 | 0.425 | 12.000 | 1.000 | 0.192 | -0.005 | 0.508 | 13.000 | 3.000 |
| prev.jun | 0.061 | -0.057 | 0.211 | 11.000 | 1.000 | 0.318 | 0.073 | 0.431 | 8.000 | 6.000 | 0.081 | -0.182 | 0.294 | 10.000 | 0.000 | -0.093 | -0.233 | 0.025 | 2.000 | 0.000 |
| prev.jul | 0.048 | -0.124 | 0.183 | 11.000 | 0.000 | 0.211 | 0.064 | 0.422 | 8.000 | 2.000 | 0.105 | -0.179 | 0.320 | 10.000 | 0.000 | -0.081 | -0.297 | 0.077 | 3.000 | 0.000 |
| prev.aug | -0.045 | -0.270 | 0.114 | 6.000 | 2.000 | -0.036 | -0.287 | 0.154 | 3.000 | 1.000 | -0.041 | -0.287 | 0.184 | 7.000 | 0.000 | -0.057 | -0.226 | 0.096 | 6.000 | 0.000 |
| prev.sep | -0.107 | -0.285 | 0.090 | 1.000 | 3.000 | 0.076 | -0.108 | 0.267 | 6.000 | 0.000 | -0.195 | -0.404 | 0.117 | 1.000 | 4.000 | -0.166 | -0.396 | 0.161 | 3.000 | 4.000 |
| prev.oct | -0.071 | -0.264 | 0.146 | 3.000 | 2.000 | -0.234 | -0.405 | -0.014 | 0.000 | 4.000 | -0.135 | -0.429 | 0.150 | 2.000 | 3.000 | 0.096 | -0.187 | 0.243 | 12.000 | 0.000 |
| prev.nov | -0.130 | -0.274 | 0.203 | 3.000 | 4.000 | -0.089 | -0.402 | 0.142 | 2.000 | 1.000 | -0.066 | -0.285 | 0.153 | 3.000 | 1.000 | -0.289 | -0.487 | 0.106 | 2.000 | 4.000 |
| prev.dec | -0.187 | -0.305 | -0.000 | 0.000 | 6.000 | -0.299 | -0.438 | -0.099 | 0.000 | 4.000 | -0.135 | -0.333 | 0.039 | 2.000 | 0.000 | -0.172 | -0.320 | -0.022 | 0.000 | 0.000 |
| curr.jan | -0.029 | -0.212 | 0.153 | 6.000 | 0.000 | 0.048 | -0.145 | 0.219 | 5.000 | 0.000 | -0.084 | -0.438 | 0.151 | 4.000 | 1.000 | -0.016 | -0.259 | 0.277 | 4.000 | 1.000 |
| curr.feb | -0.107 | -0.256 | 0.250 | 1.000 | 4.000 | -0.301 | -0.519 | 0.116 | 1.000 | 4.000 | -0.024 | -0.230 | 0.367 | 5.000 | 1.000 | -0.136 | -0.327 | 0.184 | 1.000 | 0.000 |
| curr.mar | -0.164 | -0.276 | 0.106 | 1.000 | 5.000 | -0.293 | -0.526 | 0.016 | 1.000 | 5.000 | -0.126 | -0.328 | 0.105 | 3.000 | 0.000 | -0.152 | -0.318 | 0.203 | 2.000 | 0.000 |
| curr.apr | 0.060 | -0.261 | 0.224 | 11.000 | 2.000 | 0.105 | -0.082 | 0.261 | 6.000 | 0.000 | 0.104 | -0.377 | 0.413 | 11.000 | 3.000 | 0.046 | -0.261 | 0.242 | 11.000 | 0.000 |
| curr.may | -0.125 | -0.275 | 0.024 | 1.000 | 4.000 | -0.235 | -0.399 | 0.094 | 1.000 | 4.000 | -0.040 | -0.251 | 0.168 | 4.000 | 0.000 | -0.194 | -0.436 | 0.117 | 1.000 | 3.000 |
| curr.jun | -0.113 | -0.212 | -0.033 | 0.000 | 1.000 | -0.261 | -0.352 | -0.149 | 0.000 | 2.000 | -0.097 | -0.456 | 0.196 | 4.000 | 1.000 | -0.072 | -0.177 | 0.125 | 3.000 | 0.000 |
| curr.jul | -0.156 | -0.303 | 0.024 | 2.000 | 6.000 | -0.316 | -0.424 | -0.129 | 0.000 | 2.000 | -0.233 | -0.515 | 0.050 | 1.000 | 4.000 | -0.075 | -0.264 | 0.043 | 4.000 | 0.000 |
| curr.aug | -0.174 | -0.251 | -0.057 | 0.000 | 7.000 | -0.288 | -0.486 | -0.112 | 0.000 | 4.000 | -0.135 | -0.451 | 0.105 | 1.000 | 2.000 | -0.174 | -0.348 | 0.011 | 1.000 | 2.000 |

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

| month | 1901-2009 | | | | | 1911-1943 | | | | | 1944-1976 | | | | | 1977-2009 | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant |
| prev.apr | -0.025 | -0.122 | 0.045 | 4.000 | 0.000 | 0.066 | -0.085 | 0.220 | 5.000 | 0.000 | -0.107 | -0.330 | 0.113 | 2.000 | 1.000 | -0.031 | -0.328 | 0.156 | 7.000 | 1.000 |
| prev.may | -0.144 | -0.391 | 0.002 | 1.000 | 5.000 | -0.311 | -0.420 | -0.073 | 0.000 | 6.000 | -0.058 | -0.516 | 0.315 | 5.000 | 1.000 | -0.142 | -0.387 | 0.114 | 2.000 | 3.000 |
| prev.jun | -0.048 | -0.181 | 0.255 | 3.000 | 2.000 | -0.078 | -0.180 | 0.054 | 1.000 | 0.000 | -0.063 | -0.244 | 0.248 | 3.000 | 0.000 | 0.014 | -0.250 | 0.245 | 9.000 | 0.000 |
| prev.jul | 0.061 | -0.089 | 0.244 | 7.000 | 1.000 | -0.008 | -0.205 | 0.118 | 3.000 | 0.000 | 0.026 | -0.223 | 0.236 | 7.000 | 0.000 | 0.112 | -0.118 | 0.384 | 11.000 | 0.000 |
| prev.aug | 0.055 | -0.083 | 0.320 | 10.000 | 2.000 | 0.089 | -0.123 | 0.446 | 5.000 | 1.000 | 0.088 | -0.154 | 0.304 | 11.000 | 0.000 | -0.016 | -0.261 | 0.230 | 6.000 | 0.000 |
| prev.sep | 0.123 | -0.013 | 0.359 | 12.000 | 2.000 | -0.074 | -0.258 | 0.071 | 1.000 | 0.000 | 0.255 | 0.020 | 0.436 | 14.000 | 3.000 | 0.097 | -0.231 | 0.601 | 10.000 | 1.000 |
| prev.oct | 0.004 | -0.117 | 0.091 | 8.000 | 0.000 | -0.019 | -0.223 | 0.183 | 3.000 | 0.000 | 0.229 | -0.110 | 0.451 | 12.000 | 6.000 | -0.115 | -0.344 | 0.089 | 1.000 | 0.000 |
| prev.nov | 0.018 | -0.198 | 0.283 | 10.000 | 1.000 | 0.216 | 0.062 | 0.316 | 8.000 | 2.000 | -0.141 | -0.347 | 0.201 | 2.000 | 1.000 | 0.094 | -0.019 | 0.411 | 11.000 | 1.000 |
| prev.dec | 0.022 | -0.126 | 0.189 | 9.000 | 0.000 | 0.029 | -0.217 | 0.254 | 5.000 | 1.000 | 0.138 | -0.014 | 0.350 | 13.000 | 1.000 | -0.044 | -0.274 | 0.173 | 6.000 | 1.000 |
| curr.jan | -0.026 | -0.195 | 0.115 | 5.000 | 1.000 | 0.035 | -0.237 | 0.192 | 5.000 | 0.000 | -0.088 | -0.368 | 0.224 | 4.000 | 1.000 | 0.003 | -0.245 | 0.232 | 6.000 | 0.000 |
| curr.feb | 0.074 | -0.114 | 0.158 | 12.000 | 0.000 | 0.215 | -0.112 | 0.354 | 7.000 | 3.000 | -0.012 | -0.250 | 0.238 | 6.000 | 0.000 | 0.143 | -0.201 | 0.404 | 11.000 | 1.000 |
| curr.mar | 0.102 | -0.116 | 0.241 | 13.000 | 2.000 | 0.038 | -0.212 | 0.300 | 5.000 | 1.000 | 0.148 | -0.173 | 0.375 | 12.000 | 3.000 | 0.125 | -0.228 | 0.459 | 13.000 | 1.000 |
| curr.apr | -0.006 | -0.110 | 0.179 | 7.000 | 0.000 | -0.084 | -0.251 | 0.121 | 2.000 | 0.000 | -0.087 | -0.338 | 0.340 | 5.000 | 2.000 | 0.066 | -0.163 | 0.259 | 11.000 | 0.000 |
| curr.may | 0.129 | -0.072 | 0.280 | 12.000 | 1.000 | 0.339 | 0.230 | 0.427 | 8.000 | 2.000 | 0.032 | -0.308 | 0.441 | 7.000 | 2.000 | 0.147 | -0.152 | 0.450 | 10.000 | 2.000 |
| curr.jun | 0.136 | 0.010 | 0.268 | 14.000 | 4.000 | 0.329 | 0.105 | 0.479 | 8.000 | 5.000 | 0.118 | -0.114 | 0.358 | 11.000 | 1.000 | 0.101 | -0.033 | 0.209 | 12.000 | 0.000 |
| curr.jul | 0.193 | -0.017 | 0.437 | 13.000 | 9.000 | 0.350 | 0.177 | 0.484 | 8.000 | 5.000 | 0.280 | -0.016 | 0.584 | 13.000 | 7.000 | 0.084 | -0.075 | 0.308 | 10.000 | 2.000 |
| curr.aug | 0.134 | 0.053 | 0.312 | 14.000 | 2.000 | -0.049 | -0.138 | 0.062 | 3.000 | 0.000 | 0.302 | 0.021 | 0.486 | 14.000 | 6.000 | 0.154 | -0.103 | 0.390 | 12.000 | 1.000 |

table 4: Summary of Pearson correlations across species for pet

| month | 1901-2009 | | | | | 1911-1943 | | | | | 1944-1976 | | | | | 1977-2009 | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant |
| prev.apr | -0.021 | -0.088 | 0.063 | 4.000 | 0.000 | -0.092 | -0.323 | 0.112 | 2.000 | 1.000 | 0.119 | -0.135 | 0.299 | 13.000 | 0.000 | -0.099 | -0.224 | 0.041 | 2.000 | 0.000 |
| prev.may | 0.149 | -0.025 | 0.366 | 13.000 | 5.000 | 0.266 | -0.018 | 0.404 | 7.000 | 3.000 | 0.017 | -0.258 | 0.270 | 9.000 | 0.000 | 0.202 | -0.176 | 0.428 | 12.000 | 4.000 |
| prev.jun | 0.033 | -0.130 | 0.218 | 7.000 | 2.000 | 0.301 | 0.144 | 0.464 | 8.000 | 4.000 | -0.080 | -0.274 | 0.090 | 4.000 | 0.000 | -0.040 | -0.215 | 0.132 | 5.000 | 0.000 |
| prev.jul | 0.106 | -0.003 | 0.301 | 12.000 | 4.000 | 0.210 | -0.019 | 0.405 | 7.000 | 3.000 | 0.138 | -0.091 | 0.346 | 12.000 | 0.000 | 0.043 | -0.196 | 0.260 | 9.000 | 0.000 |
| prev.aug | -0.016 | -0.325 | 0.155 | 8.000 | 1.000 | -0.017 | -0.250 | 0.185 | 4.000 | 0.000 | -0.015 | -0.343 | 0.264 | 6.000 | 1.000 | -0.027 | -0.303 | 0.163 | 6.000 | 0.000 |
| prev.sep | -0.081 | -0.239 | 0.096 | 2.000 | 2.000 | 0.136 | 0.013 | 0.341 | 8.000 | 1.000 | -0.186 | -0.563 | 0.113 | 1.000 | 3.000 | -0.172 | -0.523 | 0.008 | 1.000 | 2.000 |
| prev.oct | -0.059 | -0.249 | 0.088 | 5.000 | 2.000 | -0.082 | -0.283 | 0.104 | 2.000 | 1.000 | -0.245 | -0.446 | 0.024 | 1.000 | 4.000 | 0.100 | -0.174 | 0.254 | 10.000 | 0.000 |
| prev.nov | -0.171 | -0.274 | 0.040 | 2.000 | 7.000 | 0.019 | -0.070 | 0.165 | 4.000 | 0.000 | -0.305 | -0.523 | -0.053 | 0.000 | 7.000 | -0.233 | -0.470 | 0.151 | 2.000 | 3.000 |
| prev.dec | -0.088 | -0.184 | 0.061 | 2.000 | 0.000 | 0.105 | -0.019 | 0.193 | 7.000 | 0.000 | -0.159 | -0.371 | 0.201 | 3.000 | 1.000 | -0.161 | -0.375 | 0.017 | 2.000 | 1.000 |
| curr.jan | -0.011 | -0.109 | 0.228 | 6.000 | 1.000 | 0.087 | -0.056 | 0.258 | 6.000 | 0.000 | -0.134 | -0.379 | 0.151 | 2.000 | 1.000 | 0.119 | -0.089 | 0.303 | 11.000 | 1.000 |
| curr.feb | -0.110 | -0.249 | 0.130 | 1.000 | 1.000 | -0.291 | -0.454 | -0.105 | 0.000 | 3.000 | -0.054 | -0.381 | 0.265 | 4.000 | 1.000 | -0.090 | -0.247 | 0.142 | 3.000 | 0.000 |
| curr.mar | -0.092 | -0.210 | 0.087 | 2.000 | 0.000 | -0.174 | -0.373 | 0.018 | 1.000 | 2.000 | -0.008 | -0.239 | 0.195 | 7.000 | 0.000 | -0.208 | -0.419 | 0.151 | 1.000 | 0.000 |
| curr.apr | 0.100 | -0.180 | 0.283 | 12.000 | 2.000 | 0.182 | -0.047 | 0.333 | 7.000 | 0.000 | 0.094 | -0.309 | 0.461 | 11.000 | 2.000 | 0.077 | -0.150 | 0.279 | 10.000 | 0.000 |
| curr.may | -0.194 | -0.307 | -0.042 | 0.000 | 8.000 | -0.321 | -0.453 | -0.019 | 0.000 | 4.000 | -0.219 | -0.428 | -0.016 | 0.000 | 3.000 | -0.137 | -0.404 | 0.067 | 2.000 | 1.000 |
| curr.jun | -0.195 | -0.352 | -0.016 | 0.000 | 7.000 | -0.432 | -0.529 | -0.345 | 0.000 | 8.000 | -0.198 | -0.541 | 0.020 | 1.000 | 4.000 | -0.054 | -0.235 | 0.081 | 3.000 | 0.000 |
| curr.jul | -0.198 | -0.346 | 0.072 | 1.000 | 8.000 | -0.309 | -0.463 | -0.177 | 0.000 | 1.000 | -0.180 | -0.494 | 0.187 | 3.000 | 2.000 | -0.208 | -0.416 | -0.018 | 0.000 | 3.000 |
| curr.aug | -0.169 | -0.302 | -0.042 | 0.000 | 8.000 | -0.376 | -0.610 | -0.190 | 0.000 | 6.000 | -0.002 | -0.265 | 0.178 | 8.000 | 0.000 | -0.160 | -0.306 | 0.060 | 1.000 | 2.000 |

table 5: Summary of Pearson correlations across species for PETminusPRE

| month | 1901-2009 | | | | | 1911-1943 | | | | | 1944-1976 | | | | | 1977-2009 | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant |
| prev.apr | -0.022 | -0.117 | 0.103 | 4.000 | 0.000 | -0.058 | -0.260 | 0.099 | 2.000 | 0.000 | 0.059 | -0.157 | 0.253 | 10.000 | 0.000 | -0.056 | -0.248 | 0.219 | 3.000 | 0.000 |
| prev.may | 0.151 | -0.013 | 0.375 | 13.000 | 4.000 | 0.336 | 0.072 | 0.473 | 8.000 | 5.000 | -0.013 | -0.315 | 0.358 | 6.000 | 1.000 | 0.153 | -0.101 | 0.365 | 12.000 | 1.000 |
| prev.jun | 0.058 | -0.244 | 0.240 | 11.000 | 4.000 | 0.240 | 0.141 | 0.362 | 8.000 | 1.000 | 0.031 | -0.305 | 0.200 | 10.000 | 0.000 | -0.009 | -0.252 | 0.153 | 6.000 | 0.000 |
| prev.jul | 0.067 | -0.080 | 0.223 | 9.000 | 3.000 | 0.239 | 0.142 | 0.416 | 8.000 | 1.000 | 0.111 | -0.148 | 0.342 | 9.000 | 1.000 | -0.053 | -0.227 | 0.094 | 5.000 | 0.000 |
| prev.aug | -0.052 | -0.337 | 0.066 | 4.000 | 1.000 | -0.145 | -0.402 | 0.095 | 2.000 | 1.000 | -0.104 | -0.294 | 0.102 | 4.000 | 0.000 | 0.075 | -0.177 | 0.287 | 10.000 | 1.000 |
| prev.sep | -0.085 | -0.340 | 0.023 | 3.000 | 3.000 | 0.040 | -0.062 | 0.150 | 6.000 | 0.000 | -0.145 | -0.402 | 0.074 | 2.000 | 3.000 | -0.100 | -0.519 | 0.218 | 4.000 | 3.000 |
| prev.oct | 0.065 | -0.087 | 0.152 | 12.000 | 0.000 | 0.064 | -0.175 | 0.218 | 6.000 | 0.000 | -0.234 | -0.491 | 0.082 | 1.000 | 4.000 | 0.321 | -0.076 | 0.586 | 12.000 | 4.000 |
| prev.nov | -0.096 | -0.276 | 0.231 | 2.000 | 2.000 | -0.234 | -0.342 | -0.082 | 0.000 | 4.000 | 0.065 | -0.228 | 0.307 | 10.000 | 0.000 | -0.211 | -0.436 | 0.112 | 1.000 | 2.000 |
| prev.dec | -0.054 | -0.129 | 0.027 | 3.000 | 0.000 | -0.112 | -0.301 | 0.097 | 3.000 | 1.000 | -0.187 | -0.306 | -0.030 | 0.000 | 0.000 | 0.085 | -0.116 | 0.275 | 10.000 | 0.000 |
| curr.jan | 0.098 | -0.078 | 0.261 | 11.000 | 3.000 | 0.109 | -0.091 | 0.415 | 6.000 | 1.000 | 0.201 | -0.002 | 0.464 | 12.000 | 1.000 | 0.041 | -0.197 | 0.266 | 7.000 | 0.000 |
| curr.feb | -0.076 | -0.200 | 0.138 | 2.000 | 1.000 | -0.333 | -0.490 | 0.070 | 1.000 | 5.000 | 0.004 | -0.234 | 0.299 | 7.000 | 0.000 | -0.083 | -0.355 | 0.237 | 3.000 | 0.000 |
| curr.mar | -0.078 | -0.250 | 0.059 | 3.000 | 1.000 | -0.027 | -0.357 | 0.216 | 3.000 | 1.000 | -0.111 | -0.399 | 0.262 | 2.000 | 2.000 | -0.077 | -0.406 | 0.235 | 2.000 | 1.000 |
| curr.apr | 0.037 | -0.265 | 0.177 | 10.000 | 2.000 | 0.071 | -0.118 | 0.259 | 5.000 | 0.000 | 0.112 | -0.405 | 0.409 | 10.000 | 1.000 | 0.001 | -0.187 | 0.225 | 6.000 | 0.000 |
| curr.may | -0.187 | -0.342 | -0.054 | 0.000 | 7.000 | -0.358 | -0.538 | -0.192 | 0.000 | 5.000 | -0.076 | -0.387 | 0.180 | 5.000 | 2.000 | -0.239 | -0.433 | 0.181 | 1.000 | 4.000 |
| curr.jun | -0.146 | -0.277 | -0.047 | 0.000 | 5.000 | -0.390 | -0.564 | -0.218 | 0.000 | 7.000 | -0.140 | -0.440 | 0.097 | 1.000 | 2.000 | -0.084 | -0.215 | 0.110 | 1.000 | 0.000 |
| curr.jul | -0.185 | -0.425 | 0.039 | 1.000 | 7.000 | -0.255 | -0.469 | -0.044 | 0.000 | 1.000 | -0.256 | -0.607 | 0.148 | 1.000 | 6.000 | -0.109 | -0.252 | 0.078 | 1.000 | 0.000 |
| curr.aug | -0.174 | -0.311 | -0.031 | 0.000 | 5.000 | -0.165 | -0.312 | 0.062 | 1.000 | 0.000 | -0.237 | -0.440 | 0.046 | 1.000 | 4.000 | -0.183 | -0.441 | 0.147 | 3.000 | 1.000 |

table 6: Summary of Pearson correlations across species for pre

| month | 1901-2009 | | | | | 1911-1943 | | | | | 1944-1976 | | | | | 1977-2009 | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant |
| prev.apr | 0.020 | -0.112 | 0.127 | 10.000 | 0.000 | 0.045 | -0.129 | 0.191 | 6.000 | 0.000 | -0.034 | -0.270 | 0.213 | 4.000 | 0.000 | 0.035 | -0.282 | 0.246 | 10.000 | 1.000 |
| prev.may | -0.136 | -0.334 | 0.000 | 1.000 | 4.000 | -0.310 | -0.433 | -0.098 | 0.000 | 6.000 | 0.019 | -0.341 | 0.348 | 7.000 | 1.000 | -0.129 | -0.328 | 0.086 | 3.000 | 1.000 |
| prev.jun | -0.059 | -0.234 | 0.248 | 3.000 | 4.000 | -0.198 | -0.305 | -0.092 | 0.000 | 0.000 | -0.051 | -0.239 | 0.302 | 4.000 | 0.000 | 0.007 | -0.182 | 0.267 | 7.000 | 0.000 |
| prev.jul | -0.050 | -0.205 | 0.086 | 5.000 | 2.000 | -0.215 | -0.384 | -0.135 | 0.000 | 1.000 | -0.093 | -0.306 | 0.177 | 5.000 | 0.000 | 0.077 | -0.081 | 0.239 | 10.000 | 0.000 |
| prev.aug | 0.057 | -0.033 | 0.300 | 11.000 | 1.000 | 0.162 | -0.089 | 0.443 | 7.000 | 1.000 | 0.115 | -0.112 | 0.295 | 11.000 | 0.000 | -0.097 | -0.292 | 0.144 | 1.000 | 1.000 |
| prev.sep | 0.081 | -0.028 | 0.343 | 10.000 | 3.000 | -0.003 | -0.097 | 0.088 | 3.000 | 0.000 | 0.129 | -0.101 | 0.390 | 12.000 | 2.000 | 0.080 | -0.270 | 0.505 | 10.000 | 3.000 |
| prev.oct | -0.080 | -0.184 | 0.060 | 2.000 | 0.000 | -0.082 | -0.224 | 0.159 | 2.000 | 0.000 | 0.204 | -0.098 | 0.514 | 12.000 | 3.000 | -0.327 | -0.594 | 0.075 | 2.000 | 4.000 |
| prev.nov | 0.073 | -0.249 | 0.257 | 12.000 | 2.000 | 0.255 | 0.120 | 0.357 | 8.000 | 4.000 | -0.125 | -0.350 | 0.194 | 3.000 | 2.000 | 0.185 | -0.102 | 0.388 | 13.000 | 2.000 |
| prev.dec | 0.039 | -0.068 | 0.125 | 11.000 | 0.000 | 0.144 | -0.064 | 0.330 | 5.000 | 1.000 | 0.161 | 0.011 | 0.319 | 14.000 | 0.000 | -0.129 | -0.312 | 0.129 | 2.000 | 0.000 |
| curr.jan | -0.105 | -0.269 | 0.063 | 3.000 | 3.000 | -0.096 | -0.418 | 0.079 | 1.000 | 1.000 | -0.255 | -0.545 | -0.009 | 0.000 | 3.000 | -0.029 | -0.271 | 0.221 | 7.000 | 0.000 |
| curr.feb | 0.057 | -0.122 | 0.196 | 10.000 | 0.000 | 0.284 | -0.104 | 0.440 | 7.000 | 3.000 | -0.019 | -0.252 | 0.214 | 7.000 | 0.000 | 0.071 | -0.244 | 0.328 | 11.000 | 1.000 |
| curr.mar | 0.060 | -0.064 | 0.211 | 11.000 | 1.000 | -0.039 | -0.223 | 0.236 | 2.000 | 0.000 | 0.128 | -0.225 | 0.401 | 12.000 | 2.000 | 0.037 | -0.235 | 0.388 | 7.000 | 0.000 |
| curr.apr | -0.014 | -0.164 | 0.265 | 4.000 | 1.000 | -0.015 | -0.221 | 0.131 | 4.000 | 0.000 | -0.099 | -0.361 | 0.381 | 5.000 | 1.000 | 0.015 | -0.239 | 0.191 | 8.000 | 0.000 |
| curr.may | 0.167 | 0.039 | 0.307 | 14.000 | 7.000 | 0.327 | 0.197 | 0.502 | 8.000 | 2.000 | 0.019 | -0.253 | 0.334 | 8.000 | 2.000 | 0.244 | -0.203 | 0.437 | 13.000 | 5.000 |
| curr.jun | 0.120 | 0.023 | 0.252 | 14.000 | 4.000 | 0.327 | 0.158 | 0.531 | 8.000 | 3.000 | 0.114 | -0.116 | 0.445 | 10.000 | 2.000 | 0.081 | -0.102 | 0.233 | 13.000 | 0.000 |
| curr.jul | 0.161 | -0.019 | 0.413 | 13.000 | 5.000 | 0.199 | -0.020 | 0.474 | 7.000 | 1.000 | 0.253 | -0.135 | 0.586 | 13.000 | 6.000 | 0.073 | -0.118 | 0.281 | 11.000 | 0.000 |
| curr.aug | 0.155 | 0.015 | 0.280 | 14.000 | 3.000 | 0.098 | -0.092 | 0.267 | 6.000 | 0.000 | 0.258 | -0.011 | 0.475 | 13.000 | 4.000 | 0.164 | -0.271 | 0.436 | 11.000 | 3.000 |

table 7: Summary of Pearson correlations across species for tmn

| month | 1901-2009 | | | | | 1911-1943 | | | | | 1944-1976 | | | | | 1977-2009 | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant |
| prev.apr | 0.022 | -0.143 | 0.137 | 8.000 | 0.000 | -0.322 | -0.529 | -0.097 | 0.000 | 4.000 | 0.216 | -0.007 | 0.391 | 13.000 | 4.000 | 0.066 | -0.132 | 0.203 | 12.000 | 0.000 |
| prev.may | -0.004 | -0.158 | 0.124 | 8.000 | 0.000 | 0.057 | -0.225 | 0.313 | 6.000 | 1.000 | -0.080 | -0.311 | 0.065 | 4.000 | 1.000 | 0.038 | -0.216 | 0.235 | 10.000 | 0.000 |
| prev.jun | 0.000 | -0.139 | 0.101 | 7.000 | 0.000 | 0.067 | -0.170 | 0.172 | 6.000 | 0.000 | 0.040 | -0.116 | 0.272 | 8.000 | 0.000 | -0.069 | -0.423 | 0.280 | 4.000 | 1.000 |
| prev.jul | 0.040 | -0.095 | 0.173 | 9.000 | 0.000 | -0.080 | -0.210 | 0.117 | 1.000 | 0.000 | 0.031 | -0.116 | 0.204 | 10.000 | 0.000 | 0.155 | -0.074 | 0.303 | 13.000 | 0.000 |
| prev.aug | 0.082 | -0.026 | 0.266 | 12.000 | 1.000 | 0.190 | 0.051 | 0.331 | 8.000 | 1.000 | 0.128 | -0.063 | 0.227 | 13.000 | 0.000 | -0.007 | -0.212 | 0.203 | 8.000 | 0.000 |
| prev.sep | 0.010 | -0.108 | 0.098 | 8.000 | 0.000 | 0.038 | -0.139 | 0.217 | 5.000 | 0.000 | 0.010 | -0.212 | 0.388 | 5.000 | 1.000 | 0.017 | -0.257 | 0.332 | 7.000 | 2.000 |
| prev.oct | 0.030 | -0.052 | 0.111 | 10.000 | 0.000 | 0.141 | 0.010 | 0.244 | 8.000 | 0.000 | -0.022 | -0.201 | 0.243 | 5.000 | 0.000 | -0.084 | -0.225 | 0.110 | 2.000 | 0.000 |
| prev.nov | 0.020 | -0.063 | 0.085 | 11.000 | 0.000 | 0.015 | -0.154 | 0.269 | 4.000 | 0.000 | -0.215 | -0.456 | 0.070 | 1.000 | 1.000 | 0.186 | 0.068 | 0.278 | 14.000 | 0.000 |
| prev.dec | 0.052 | -0.080 | 0.225 | 10.000 | 1.000 | 0.259 | 0.117 | 0.372 | 8.000 | 0.000 | 0.069 | -0.237 | 0.297 | 9.000 | 0.000 | -0.111 | -0.378 | 0.224 | 3.000 | 0.000 |
| curr.jan | -0.032 | -0.159 | 0.123 | 6.000 | 0.000 | -0.043 | -0.214 | 0.096 | 2.000 | 0.000 | -0.127 | -0.340 | 0.236 | 2.000 | 1.000 | 0.108 | -0.212 | 0.251 | 12.000 | 0.000 |
| curr.feb | -0.016 | -0.158 | 0.091 | 6.000 | 0.000 | -0.015 | -0.114 | 0.288 | 3.000 | 0.000 | -0.040 | -0.425 | 0.259 | 5.000 | 1.000 | -0.014 | -0.325 | 0.248 | 8.000 | 1.000 |
| curr.mar | -0.001 | -0.107 | 0.103 | 6.000 | 0.000 | -0.016 | -0.187 | 0.101 | 4.000 | 0.000 | 0.055 | -0.121 | 0.307 | 10.000 | 0.000 | -0.163 | -0.423 | 0.237 | 1.000 | 1.000 |
| curr.apr | 0.075 | -0.063 | 0.171 | 10.000 | 0.000 | 0.131 | -0.001 | 0.232 | 7.000 | 0.000 | 0.175 | -0.041 | 0.442 | 12.000 | 1.000 | -0.087 | -0.321 | 0.177 | 5.000 | 3.000 |
| curr.may | -0.134 | -0.231 | 0.066 | 1.000 | 5.000 | -0.180 | -0.307 | 0.025 | 1.000 | 0.000 | -0.242 | -0.415 | -0.047 | 0.000 | 6.000 | -0.097 | -0.337 | 0.133 | 2.000 | 0.000 |
| curr.jun | -0.090 | -0.227 | 0.024 | 3.000 | 3.000 | -0.299 | -0.438 | -0.157 | 0.000 | 3.000 | -0.119 | -0.384 | 0.129 | 5.000 | 1.000 | 0.097 | -0.088 | 0.381 | 10.000 | 1.000 |
| curr.jul | -0.009 | -0.275 | 0.160 | 8.000 | 1.000 | 0.076 | -0.039 | 0.193 | 6.000 | 0.000 | 0.144 | -0.287 | 0.349 | 12.000 | 0.000 | -0.244 | -0.526 | -0.056 | 0.000 | 2.000 |
| curr.aug | -0.015 | -0.253 | 0.116 | 5.000 | 1.000 | -0.055 | -0.181 | 0.111 | 2.000 | 0.000 | 0.017 | -0.224 | 0.253 | 8.000 | 0.000 | -0.028 | -0.521 | 0.198 | 8.000 | 1.000 |

table 8: Summary of Pearson correlations across species for tmp

| month | 1901-2009 | | | | | 1911-1943 | | | | | 1944-1976 | | | | | 1977-2009 | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant |
| prev.apr | 0.009 | -0.122 | 0.091 | 7.000 | 0.000 | -0.264 | -0.493 | -0.042 | 0.000 | 3.000 | 0.226 | -0.066 | 0.419 | 13.000 | 2.000 | -0.007 | -0.141 | 0.140 | 8.000 | 0.000 |
| prev.may | 0.050 | -0.109 | 0.208 | 10.000 | 2.000 | 0.117 | -0.211 | 0.342 | 6.000 | 1.000 | -0.033 | -0.281 | 0.117 | 6.000 | 1.000 | 0.089 | -0.173 | 0.258 | 12.000 | 0.000 |
| prev.jun | 0.028 | -0.122 | 0.185 | 8.000 | 1.000 | 0.168 | -0.045 | 0.277 | 7.000 | 0.000 | 0.083 | -0.106 | 0.266 | 11.000 | 0.000 | -0.117 | -0.421 | 0.209 | 3.000 | 1.000 |
| prev.jul | 0.068 | -0.078 | 0.230 | 9.000 | 1.000 | 0.023 | -0.157 | 0.305 | 4.000 | 0.000 | 0.098 | -0.109 | 0.305 | 12.000 | 0.000 | 0.084 | -0.173 | 0.211 | 12.000 | 0.000 |
| prev.aug | 0.064 | -0.126 | 0.268 | 11.000 | 1.000 | 0.159 | -0.064 | 0.290 | 7.000 | 0.000 | 0.117 | -0.072 | 0.269 | 11.000 | 0.000 | -0.027 | -0.241 | 0.166 | 8.000 | 0.000 |
| prev.sep | -0.044 | -0.160 | 0.044 | 5.000 | 0.000 | 0.063 | -0.107 | 0.309 | 5.000 | 1.000 | -0.112 | -0.429 | 0.198 | 2.000 | 1.000 | -0.069 | -0.389 | 0.183 | 5.000 | 1.000 |
| prev.oct | -0.005 | -0.084 | 0.083 | 8.000 | 0.000 | 0.033 | -0.187 | 0.212 | 5.000 | 0.000 | -0.087 | -0.275 | 0.135 | 2.000 | 0.000 | -0.054 | -0.208 | 0.138 | 3.000 | 0.000 |
| prev.nov | -0.036 | -0.140 | 0.081 | 4.000 | 0.000 | -0.015 | -0.162 | 0.109 | 4.000 | 0.000 | -0.236 | -0.462 | -0.020 | 0.000 | 3.000 | 0.062 | -0.088 | 0.305 | 10.000 | 0.000 |
| prev.dec | 0.006 | -0.120 | 0.185 | 8.000 | 1.000 | 0.190 | 0.075 | 0.293 | 8.000 | 0.000 | 0.034 | -0.225 | 0.263 | 7.000 | 0.000 | -0.140 | -0.426 | 0.208 | 3.000 | 1.000 |
| curr.jan | -0.035 | -0.194 | 0.146 | 4.000 | 1.000 | -0.037 | -0.194 | 0.109 | 3.000 | 0.000 | -0.137 | -0.368 | 0.229 | 2.000 | 2.000 | 0.103 | -0.239 | 0.239 | 12.000 | 0.000 |
| curr.feb | -0.039 | -0.177 | 0.089 | 5.000 | 0.000 | -0.081 | -0.198 | 0.200 | 1.000 | 0.000 | -0.038 | -0.422 | 0.296 | 5.000 | 1.000 | -0.048 | -0.370 | 0.222 | 4.000 | 1.000 |
| curr.mar | -0.047 | -0.174 | 0.092 | 5.000 | 0.000 | -0.092 | -0.311 | 0.072 | 2.000 | 1.000 | 0.014 | -0.184 | 0.257 | 6.000 | 0.000 | -0.182 | -0.423 | 0.267 | 1.000 | 1.000 |
| curr.apr | 0.092 | -0.114 | 0.237 | 11.000 | 1.000 | 0.152 | -0.028 | 0.272 | 7.000 | 0.000 | 0.198 | -0.016 | 0.557 | 13.000 | 2.000 | -0.050 | -0.316 | 0.200 | 6.000 | 1.000 |
| curr.may | -0.172 | -0.296 | -0.002 | 0.000 | 8.000 | -0.245 | -0.396 | 0.075 | 1.000 | 1.000 | -0.242 | -0.440 | -0.091 | 0.000 | 4.000 | -0.156 | -0.342 | 0.066 | 1.000 | 0.000 |
| curr.jun | -0.143 | -0.298 | 0.008 | 1.000 | 3.000 | -0.379 | -0.500 | -0.227 | 0.000 | 7.000 | -0.164 | -0.426 | 0.094 | 2.000 | 2.000 | 0.060 | -0.138 | 0.305 | 9.000 | 1.000 |
| curr.jul | -0.101 | -0.290 | 0.160 | 3.000 | 3.000 | -0.061 | -0.224 | 0.027 | 2.000 | 0.000 | -0.001 | -0.332 | 0.346 | 6.000 | 0.000 | -0.244 | -0.463 | -0.120 | 0.000 | 1.000 |
| curr.aug | -0.110 | -0.291 | 0.058 | 2.000 | 2.000 | -0.231 | -0.380 | -0.111 | 0.000 | 2.000 | -0.067 | -0.387 | 0.092 | 4.000 | 1.000 | -0.090 | -0.511 | 0.188 | 4.000 | 2.000 |

table 9: Summary of Pearson correlations across species for tmx

| month | 1901-2009 | | | | | 1911-1943 | | | | | 1944-1976 | | | | | 1977-2009 | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant |
| prev.apr | 0.000 | -0.103 | 0.080 | 8.000 | 0.000 | -0.210 | -0.444 | 0.008 | 1.000 | 1.000 | 0.216 | -0.082 | 0.410 | 13.000 | 2.000 | -0.045 | -0.158 | 0.117 | 4.000 | 0.000 |
| prev.may | 0.090 | -0.068 | 0.288 | 11.000 | 2.000 | 0.153 | -0.179 | 0.341 | 6.000 | 1.000 | 0.000 | -0.249 | 0.205 | 6.000 | 0.000 | 0.130 | -0.109 | 0.346 | 12.000 | 1.000 |
| prev.jun | 0.044 | -0.127 | 0.221 | 9.000 | 2.000 | 0.239 | 0.083 | 0.361 | 8.000 | 1.000 | 0.096 | -0.098 | 0.229 | 11.000 | 0.000 | -0.137 | -0.328 | 0.121 | 3.000 | 1.000 |
| prev.jul | 0.074 | -0.082 | 0.260 | 9.000 | 2.000 | 0.087 | -0.133 | 0.393 | 6.000 | 1.000 | 0.126 | -0.154 | 0.394 | 12.000 | 2.000 | 0.028 | -0.201 | 0.180 | 9.000 | 0.000 |
| prev.aug | 0.034 | -0.224 | 0.209 | 9.000 | 2.000 | 0.105 | -0.122 | 0.257 | 6.000 | 0.000 | 0.078 | -0.198 | 0.306 | 9.000 | 0.000 | -0.048 | -0.278 | 0.185 | 7.000 | 0.000 |
| prev.sep | -0.078 | -0.209 | 0.075 | 4.000 | 1.000 | 0.079 | -0.084 | 0.356 | 6.000 | 1.000 | -0.185 | -0.543 | 0.080 | 3.000 | 2.000 | -0.122 | -0.450 | 0.085 | 4.000 | 2.000 |
| prev.oct | -0.039 | -0.192 | 0.078 | 4.000 | 0.000 | -0.069 | -0.314 | 0.181 | 2.000 | 0.000 | -0.146 | -0.317 | 0.059 | 2.000 | 0.000 | -0.012 | -0.165 | 0.154 | 5.000 | 0.000 |
| prev.nov | -0.080 | -0.200 | 0.152 | 3.000 | 1.000 | -0.048 | -0.144 | 0.137 | 1.000 | 0.000 | -0.213 | -0.364 | 0.037 | 1.000 | 3.000 | -0.048 | -0.201 | 0.307 | 2.000 | 0.000 |
| prev.dec | -0.033 | -0.167 | 0.151 | 4.000 | 0.000 | 0.125 | 0.014 | 0.253 | 8.000 | 0.000 | -0.002 | -0.219 | 0.215 | 6.000 | 0.000 | -0.166 | -0.442 | 0.189 | 2.000 | 2.000 |
| curr.jan | -0.036 | -0.210 | 0.159 | 4.000 | 1.000 | -0.021 | -0.165 | 0.149 | 4.000 | 0.000 | -0.148 | -0.366 | 0.201 | 2.000 | 2.000 | 0.095 | -0.255 | 0.266 | 11.000 | 1.000 |
| curr.feb | -0.059 | -0.177 | 0.125 | 4.000 | 0.000 | -0.127 | -0.265 | 0.121 | 1.000 | 0.000 | -0.038 | -0.405 | 0.304 | 6.000 | 1.000 | -0.078 | -0.414 | 0.219 | 3.000 | 1.000 |
| curr.mar | -0.080 | -0.217 | 0.116 | 3.000 | 2.000 | -0.143 | -0.380 | 0.056 | 1.000 | 1.000 | -0.016 | -0.239 | 0.211 | 6.000 | 0.000 | -0.191 | -0.392 | 0.254 | 1.000 | 1.000 |
| curr.apr | 0.092 | -0.182 | 0.249 | 11.000 | 2.000 | 0.150 | -0.043 | 0.282 | 7.000 | 0.000 | 0.184 | -0.162 | 0.564 | 13.000 | 2.000 | -0.022 | -0.342 | 0.194 | 7.000 | 1.000 |
| curr.may | -0.185 | -0.306 | -0.012 | 0.000 | 8.000 | -0.272 | -0.418 | 0.085 | 1.000 | 3.000 | -0.230 | -0.416 | -0.024 | 0.000 | 4.000 | -0.190 | -0.365 | 0.020 | 1.000 | 0.000 |
| curr.jun | -0.161 | -0.302 | -0.010 | 0.000 | 5.000 | -0.420 | -0.512 | -0.278 | 0.000 | 7.000 | -0.168 | -0.481 | 0.061 | 2.000 | 3.000 | 0.013 | -0.193 | 0.186 | 8.000 | 0.000 |
| curr.jul | -0.142 | -0.339 | 0.136 | 1.000 | 3.000 | -0.162 | -0.337 | -0.042 | 0.000 | 0.000 | -0.113 | -0.434 | 0.284 | 4.000 | 1.000 | -0.201 | -0.368 | -0.088 | 0.000 | 1.000 |
| curr.aug | -0.167 | -0.287 | 0.003 | 1.000 | 8.000 | -0.288 | -0.482 | -0.156 | 0.000 | 3.000 | -0.129 | -0.447 | 0.071 | 3.000 | 1.000 | -0.141 | -0.435 | 0.142 | 2.000 | 2.000 |

table 10: Summary of Pearson correlations across species for vap

| month | 1901-2009 | | | | | 1911-1943 | | | | | 1944-1976 | | | | | 1977-2009 | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant |
| prev.apr | 0.047 | -0.091 | 0.168 | 11.000 | 0.000 | -0.424 | -0.571 | -0.305 | 0.000 | 7.000 | 0.221 | -0.044 | 0.397 | 13.000 | 5.000 | 0.122 | 0.006 | 0.235 | 14.000 | 0.000 |
| prev.may | -0.016 | -0.094 | 0.084 | 7.000 | 0.000 | -0.107 | -0.351 | 0.225 | 2.000 | 1.000 | -0.027 | -0.170 | 0.135 | 6.000 | 0.000 | 0.036 | -0.107 | 0.177 | 9.000 | 0.000 |
| prev.jun | 0.047 | -0.067 | 0.201 | 11.000 | 0.000 | -0.020 | -0.155 | 0.069 | 4.000 | 0.000 | 0.265 | 0.076 | 0.419 | 14.000 | 4.000 | -0.103 | -0.431 | 0.289 | 1.000 | 1.000 |
| prev.jul | 0.027 | -0.098 | 0.201 | 6.000 | 0.000 | -0.086 | -0.224 | 0.112 | 2.000 | 0.000 | 0.050 | -0.057 | 0.196 | 10.000 | 0.000 | 0.040 | -0.133 | 0.320 | 9.000 | 1.000 |
| prev.aug | 0.068 | -0.044 | 0.189 | 13.000 | 0.000 | 0.165 | 0.104 | 0.272 | 8.000 | 0.000 | 0.120 | -0.102 | 0.267 | 13.000 | 0.000 | -0.041 | -0.249 | 0.132 | 5.000 | 0.000 |
| prev.sep | 0.019 | -0.089 | 0.111 | 9.000 | 0.000 | -0.030 | -0.217 | 0.192 | 4.000 | 0.000 | -0.052 | -0.291 | 0.230 | 4.000 | 0.000 | 0.162 | -0.081 | 0.341 | 12.000 | 0.000 |
| prev.oct | 0.007 | -0.063 | 0.063 | 8.000 | 0.000 | 0.026 | -0.064 | 0.173 | 6.000 | 0.000 | 0.053 | -0.108 | 0.186 | 11.000 | 0.000 | -0.096 | -0.276 | 0.058 | 2.000 | 0.000 |
| prev.nov | 0.082 | -0.010 | 0.150 | 13.000 | 0.000 | -0.118 | -0.315 | 0.126 | 2.000 | 0.000 | 0.035 | -0.229 | 0.258 | 8.000 | 0.000 | 0.192 | 0.032 | 0.335 | 14.000 | 0.000 |
| prev.dec | 0.050 | -0.101 | 0.226 | 9.000 | 2.000 | 0.191 | -0.072 | 0.413 | 7.000 | 1.000 | 0.162 | -0.084 | 0.390 | 12.000 | 2.000 | -0.094 | -0.328 | 0.220 | 4.000 | 0.000 |
| curr.jan | -0.046 | -0.243 | 0.058 | 5.000 | 1.000 | -0.142 | -0.296 | 0.019 | 1.000 | 0.000 | -0.109 | -0.334 | 0.215 | 2.000 | 0.000 | 0.069 | -0.288 | 0.257 | 11.000 | 1.000 |
| curr.feb | 0.018 | -0.089 | 0.150 | 9.000 | 0.000 | 0.053 | -0.063 | 0.346 | 3.000 | 1.000 | 0.000 | -0.318 | 0.300 | 6.000 | 0.000 | -0.004 | -0.371 | 0.258 | 6.000 | 1.000 |
| curr.mar | 0.023 | -0.113 | 0.139 | 11.000 | 0.000 | 0.031 | -0.209 | 0.146 | 5.000 | 0.000 | 0.029 | -0.126 | 0.372 | 8.000 | 1.000 | -0.065 | -0.355 | 0.285 | 3.000 | 1.000 |
| curr.apr | 0.025 | -0.042 | 0.085 | 10.000 | 0.000 | -0.007 | -0.112 | 0.085 | 5.000 | 0.000 | 0.184 | -0.053 | 0.317 | 12.000 | 2.000 | -0.160 | -0.465 | 0.006 | 1.000 | 1.000 |
| curr.may | -0.092 | -0.206 | 0.065 | 2.000 | 2.000 | -0.124 | -0.262 | 0.058 | 1.000 | 0.000 | -0.137 | -0.318 | 0.039 | 3.000 | 0.000 | -0.128 | -0.309 | 0.115 | 2.000 | 0.000 |
| curr.jun | -0.041 | -0.164 | 0.131 | 4.000 | 0.000 | -0.232 | -0.444 | -0.125 | 0.000 | 2.000 | -0.061 | -0.255 | 0.166 | 7.000 | 0.000 | 0.100 | -0.087 | 0.422 | 11.000 | 1.000 |
| curr.jul | 0.047 | -0.192 | 0.182 | 10.000 | 1.000 | 0.088 | -0.033 | 0.175 | 7.000 | 0.000 | 0.124 | -0.209 | 0.326 | 12.000 | 0.000 | -0.065 | -0.283 | 0.096 | 4.000 | 0.000 |
| curr.aug | 0.055 | -0.182 | 0.187 | 12.000 | 0.000 | 0.137 | 0.054 | 0.252 | 8.000 | 0.000 | -0.038 | -0.186 | 0.165 | 6.000 | 0.000 | 0.110 | -0.281 | 0.242 | 11.000 | 0.000 |

table 11: Summary of Pearson correlations across species for wet

| month | 1901-2009 | | | | | 1911-1943 | | | | | 1944-1976 | | | | | 1977-2009 | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant | mean | min | max | n positive | n significant |
| prev.apr | 0.021 | -0.111 | 0.108 | 10.000 | 0.000 | 0.056 | -0.122 | 0.206 | 6.000 | 0.000 | -0.060 | -0.341 | 0.224 | 5.000 | 0.000 | 0.046 | -0.248 | 0.298 | 10.000 | 1.000 |
| prev.may | -0.160 | -0.386 | -0.034 | 0.000 | 5.000 | -0.340 | -0.481 | -0.091 | 0.000 | 6.000 | 0.026 | -0.330 | 0.368 | 7.000 | 1.000 | -0.180 | -0.388 | 0.006 | 1.000 | 3.000 |
| prev.jun | -0.064 | -0.224 | 0.220 | 3.000 | 3.000 | -0.282 | -0.348 | -0.137 | 0.000 | 3.000 | -0.013 | -0.189 | 0.279 | 4.000 | 0.000 | 0.004 | -0.243 | 0.250 | 6.000 | 0.000 |
| prev.jul | -0.022 | -0.151 | 0.159 | 6.000 | 0.000 | -0.193 | -0.323 | -0.090 | 0.000 | 1.000 | -0.079 | -0.338 | 0.179 | 5.000 | 2.000 | 0.118 | -0.083 | 0.323 | 11.000 | 0.000 |
| prev.aug | 0.085 | -0.029 | 0.317 | 12.000 | 1.000 | 0.164 | -0.094 | 0.413 | 6.000 | 1.000 | 0.107 | -0.136 | 0.353 | 10.000 | 1.000 | 0.054 | -0.096 | 0.188 | 10.000 | 0.000 |
| prev.sep | 0.066 | -0.041 | 0.314 | 8.000 | 2.000 | -0.042 | -0.125 | 0.096 | 2.000 | 0.000 | 0.120 | -0.109 | 0.363 | 12.000 | 2.000 | 0.070 | -0.262 | 0.521 | 9.000 | 3.000 |
| prev.oct | -0.029 | -0.127 | 0.104 | 4.000 | 0.000 | -0.034 | -0.210 | 0.153 | 3.000 | 0.000 | 0.204 | -0.138 | 0.471 | 12.000 | 1.000 | -0.260 | -0.495 | 0.091 | 2.000 | 3.000 |
| prev.nov | 0.099 | -0.210 | 0.254 | 12.000 | 1.000 | 0.292 | 0.180 | 0.422 | 8.000 | 4.000 | -0.080 | -0.295 | 0.205 | 4.000 | 0.000 | 0.186 | -0.088 | 0.425 | 13.000 | 2.000 |
| prev.dec | 0.036 | -0.079 | 0.129 | 9.000 | 0.000 | 0.183 | -0.010 | 0.374 | 6.000 | 1.000 | 0.168 | 0.020 | 0.308 | 14.000 | 0.000 | -0.145 | -0.362 | 0.089 | 3.000 | 1.000 |
| curr.jan | -0.135 | -0.284 | 0.027 | 2.000 | 4.000 | -0.170 | -0.485 | 0.019 | 1.000 | 1.000 | -0.266 | -0.517 | 0.024 | 1.000 | 5.000 | -0.047 | -0.280 | 0.222 | 6.000 | 0.000 |
| curr.feb | 0.051 | -0.155 | 0.189 | 9.000 | 0.000 | 0.294 | 0.016 | 0.440 | 8.000 | 3.000 | -0.044 | -0.270 | 0.183 | 6.000 | 0.000 | 0.061 | -0.244 | 0.333 | 11.000 | 1.000 |
| curr.mar | 0.056 | -0.072 | 0.175 | 10.000 | 0.000 | -0.048 | -0.239 | 0.235 | 2.000 | 0.000 | 0.138 | -0.185 | 0.403 | 12.000 | 3.000 | 0.044 | -0.250 | 0.366 | 9.000 | 0.000 |
| curr.apr | -0.020 | -0.151 | 0.218 | 4.000 | 1.000 | -0.070 | -0.270 | 0.088 | 3.000 | 0.000 | -0.094 | -0.331 | 0.315 | 5.000 | 1.000 | 0.033 | -0.177 | 0.170 | 9.000 | 0.000 |
| curr.may | 0.178 | 0.046 | 0.341 | 14.000 | 7.000 | 0.335 | 0.143 | 0.517 | 8.000 | 2.000 | -0.007 | -0.247 | 0.302 | 7.000 | 2.000 | 0.305 | -0.113 | 0.523 | 13.000 | 7.000 |
| curr.jun | 0.124 | 0.017 | 0.289 | 14.000 | 3.000 | 0.281 | 0.165 | 0.368 | 8.000 | 3.000 | 0.104 | -0.198 | 0.447 | 9.000 | 1.000 | 0.118 | -0.064 | 0.273 | 13.000 | 0.000 |
| curr.jul | 0.188 | -0.003 | 0.420 | 13.000 | 6.000 | 0.325 | 0.131 | 0.578 | 8.000 | 5.000 | 0.239 | -0.138 | 0.553 | 13.000 | 5.000 | 0.066 | -0.145 | 0.350 | 9.000 | 1.000 |
| curr.aug | 0.165 | 0.043 | 0.285 | 14.000 | 5.000 | 0.154 | -0.053 | 0.318 | 7.000 | 0.000 | 0.232 | 0.012 | 0.423 | 14.000 | 3.000 | 0.136 | -0.230 | 0.302 | 11.000 | 1.000 |