|  |  |  |  |
| --- | --- | --- | --- |
| Effect | dfi | Chi squareii | *p*-value |
| s(SST) | 3.0 | 52.5 | **<0.001** |
| Region (main effect) | 4 | 118.6 | **<0.001** |
| s(Julian Date, by region: Cape York) | 4.9 | 91.3 | **<0.001** |
| s(Julian Date, by region: Cairns) | 8.7 | 20.2 | **0.017** |
| s(Julian Date, by region: Burdekin) | 5.1 | 90.4 | **<0.001** |
| s(Julian Date, by region: Mackay) | 4.1 | 43.6 | **<0.001** |
| s(Julian Date, by region: Fitzroy) | 5.0 | 129.9 | **<0.001** |
| s(Year) | 8.3 | 33.0 | **<0.001** |

\* “s()” denotes smoother applied to predictor variable to account for non-linear effect on probability of bloom presence/absence.

i “effective degrees of freedom” are reported for smoothed model terms.

ii test statistic for assessing significance of smoothed model terms. Analogous to “Z-value” for parametric coefficients.