**Table S2**. Ranked summary of AICc support for all candidate climate models and a null model (YEAR + AGE) describing (A) male arrival date (n=210) and (B) female clutch initiation dates (n=177) for yellow warblers in Revelstoke, British Columbia.

|  |  |  |
| --- | --- | --- |
| **A) Male Arrival** |  |  |
| **Period** | **Model #** | **Variables** | **r2** | **K** | **AIC.c** | **∆AICc** | **ωi** |
| Migration | 3b | U-WIND + AGE + U-WIND\*AGE | 0.21 | 5 | 1452.88 | 0 | 0.535 |
| Winter | 1b | SOIMAY-AUG + AGE +SOIMAY-AUG \*AGE | 0.20 | 5 | 1453.85 | 0.98 | 0.328 |
| Migration | 5b | U-WIND + V-WIND + AGE + V-WIND\*AGE + U-WIND\*AGE | 0.20 | 7 | 1456.14 | 3.27 | 0.105 |
| Migration | 3a | U-WIND + AGE | 0.18 | 4 | 1460.30 | 7.42 | 0.013 |
| Winter | 1a | SOIMAY-AUG + AGE | 0.17 | 4 | 1461.16 | 8.29 | 0.008 |
| Migration | 5a | U-WIND + V-WIND + AGE  | 0.17 | 5 | 1462.35 | 9.47 | 0.005 |
| Winter | 2b | SOIDEC-MAR + SOIDEC-MAR \*AGE | 0.17 | 5 | 1463.02 | 10.15 | 0.003 |
| - | - | YEAR+AGE | 0.18 | 9 | 1464.32 | 11.44 | 0.002 |
| Winter | 2a | SOIDEC-MAR + AGE | 0.15 | 4 | 1465.49 | 12.62 | 0.001 |
| Breeding | 7b | MAY**°**C + AGE + MAY**°**C \*AGE | 0.11 | 5 | 1477.64 | 24.76 | 0 |
| Migration | 4a | V-WIND + AGE | 0.10 | 4 | 1478.30 | 25.42 | 0 |
| Breeding | 7a | MAY**°**C + AGE | 0.10 | 4 | 1478.34 | 25.46 | 0 |
| Migration | 4b | V-WIND + AGE + V-WIND\*AGE | 0.10 | 5 | 1480.09 | 27.21 | 0 |
| Migration | 6a | MIGRATION RAIN + AGE | 0.08 | 4 | 1482.70 | 29.82 | 0 |
| Migration | 6b | MIGRATION RAIN + MIG RAIN\*AGE  | 0.08 | 5 | 1484.75 | 31.88 | 0 |
| **B) Female clutch initiation date** |
| **Period** | **Model #** | **Variables** | **r2** | **K** | **AIC.c** | **∆AICc** | **ωi** |
| Migration | 3b | U-WIND + AGE + U-WIND\*AGE | 0.16 | 5 | 1194.89 | 0 | 0.289 |
| Migration | 5a | U-WIND + V-WIND + AGE | 0.15 | 5 | 1195.00 | 0.11 | 0.273 |
| Migration | 3a | U-WIND + AGE | 0.14 | 4 | 1195.82 | 0.93 | 0.181 |
| Migration | 5b | U-WIND + V-WIND + AGE + V-WIND\*AGE + U-WIND\*AGE | 0.16 | 7 | 1196.47 | 1.58 | 0.131 |
| - | - | YEAR + AGE | 0.16 | 9 | 1197.90 | 3.00 | 0.064 |
| Winter | 1a | SOIMAY-AUG + AGE  | 0.12 | 4 | 1200.00 | 5.09 | 0.023 |
| Winter | 1b | SOIMAY-AUG + AGE +SOIMAY-AUG \*AGE  | 0.12 | 5 | 1201.54 | 6.65 | 0.01 |
| Winter | 2b | SOIDEC-MAR + SOIDEC-MAR \*AGE | 0.12 | 5 | 1202.50 | 7.61 | 0.006 |
| Breeding | 7a | MAY**°**C + AGE | 0.11 | 4 | 1202.76 | 7.87 | 0.006 |
| Winter | 2a | SOIDEC-MAR + AGE | 0.11 | 4 | 1202.84 | 7.95 | 0.005 |
| Migration | 6a | MIGRATION RAIN +AGE | 0.11 | 4 | 1203.10 | 8.22 | 0.005 |
| Breeding | 7b | MAY**°**C + AGE + MAY**°**C\*AGE | 0.11 | 5 | 1204.58 | 9.69 | 0.002 |
| Migration | 4a | V-WIND+ AGE | 0.10 | 4 | 1205.00 | 10.11 | 0.002 |
| Migration | 6b | MIGRATION RAIN + MIG RAIN\*AGE | 0.10 | 5 | 1205.07 | 10.18 | 0.002 |
| Migration | 4b | V-WIND+ AGE + V-WIND\*AGE | 0.10 | 5 | 1206.54 | 11.65 | 0.001 |