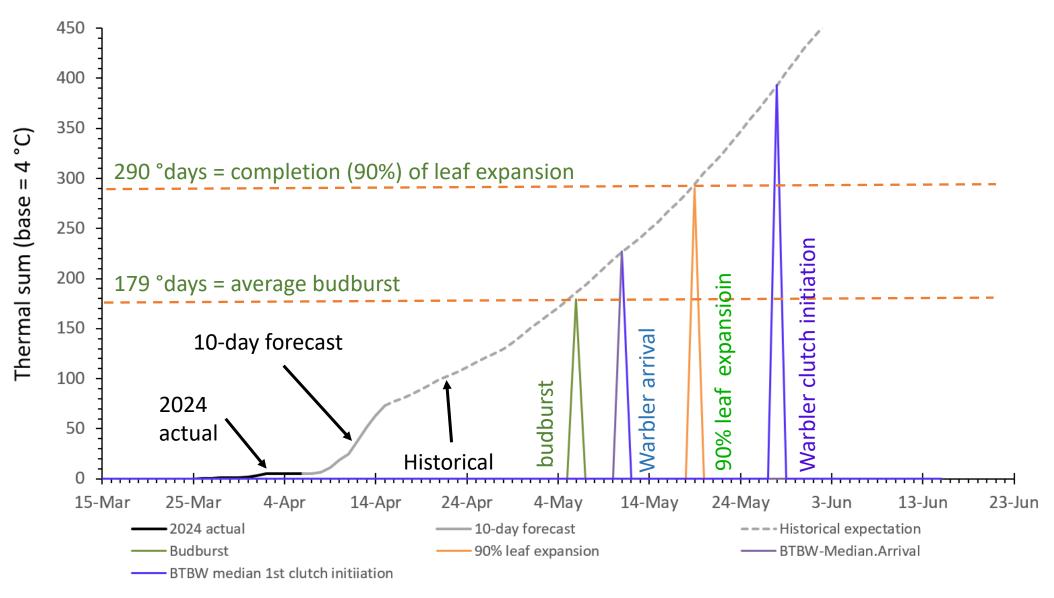
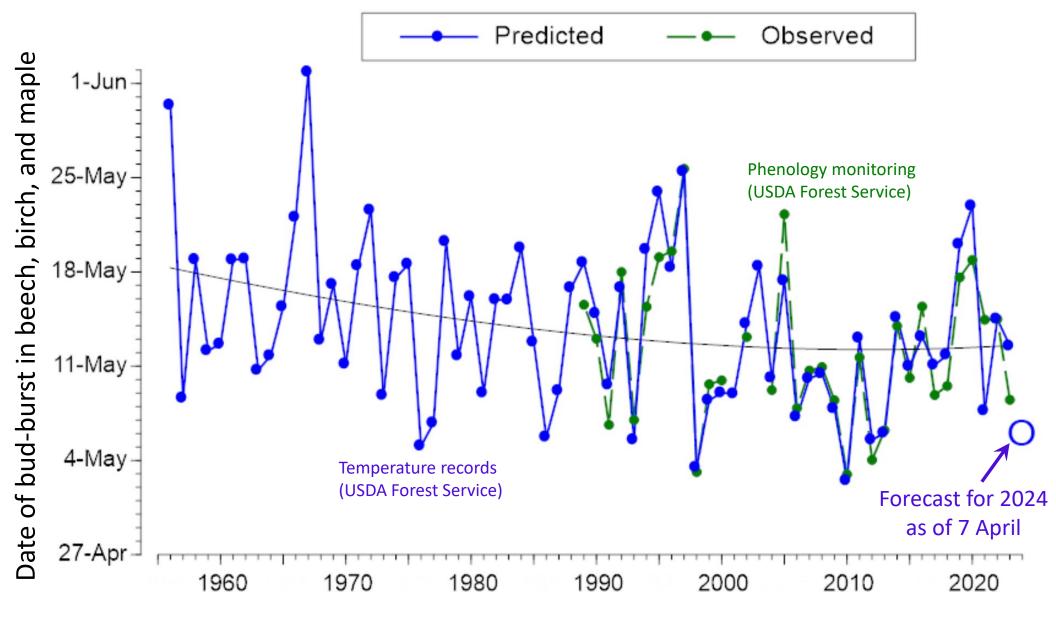
Estimated leaf-out phenology for mid-elevation Bird Plot in 2024 based on thermal sums. <u>As of 7 April, 2024</u>, predicted dates for budburst and 90% completion of leaf expansion are: 6 May and 19 May.

Predicted median dates of arrival and 1st clutch initiation by Black-throated Blue Warblers are: 11 May and 28 May.



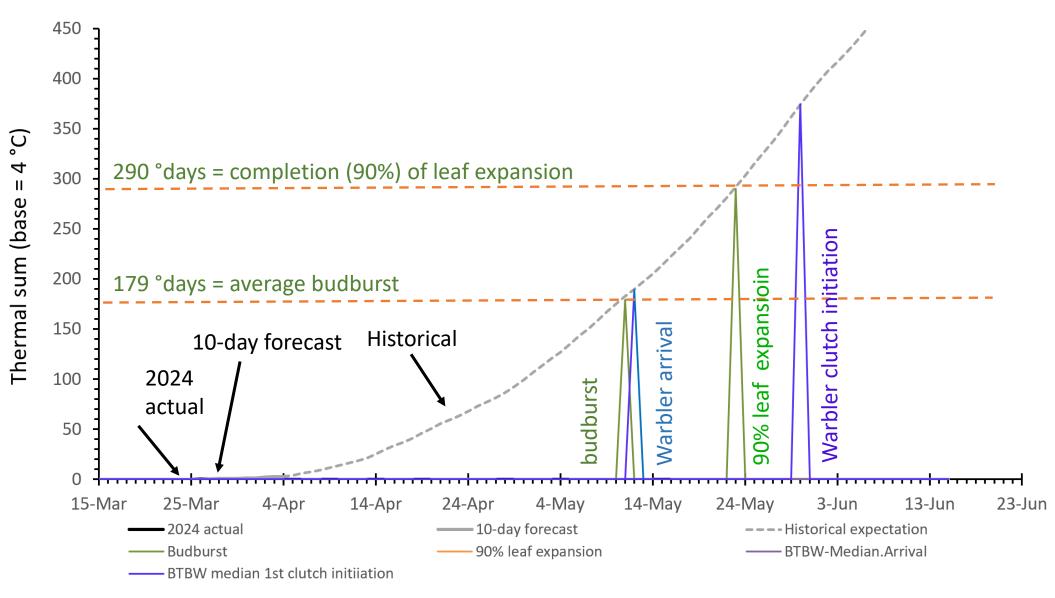
Real-time temperature records from USDA Forest Service station at Watershed 1. Phenological models adapted from Lany et al. 2016 using long term data of USDA Forest Service.



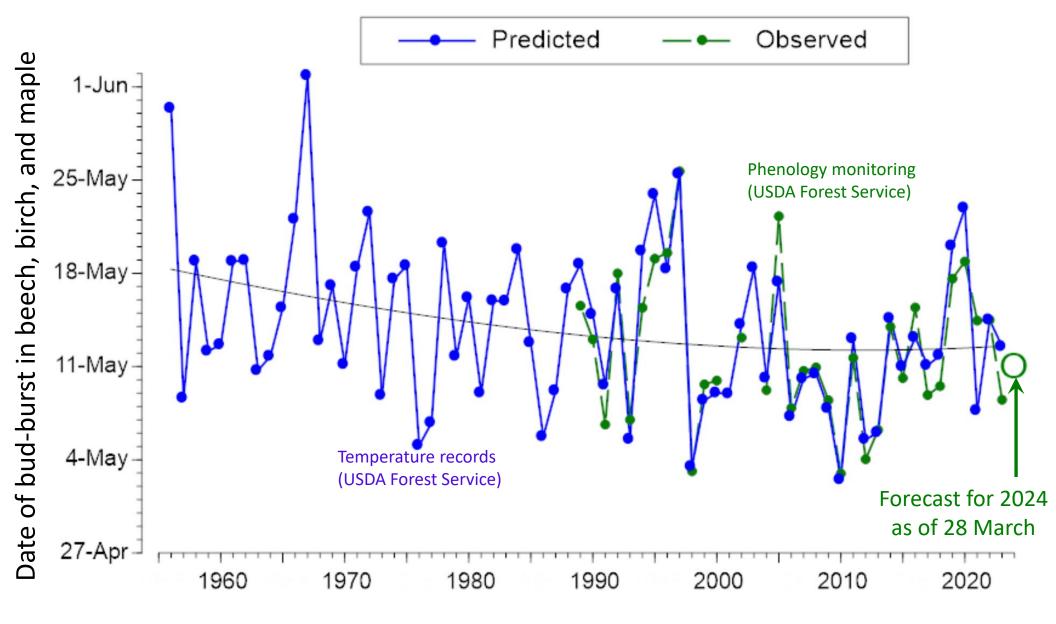
As of 7 April 2024, the forecast date of leafout is 6 May for mid-elevation bird plots at Hubbard Brook.

Phenology measurements by Northern Research Station, USDA Forest Service. Leaf phenology model adapted from Nina Lany et al. 2016, *Oikos*. Analyses by Matt Ayres et al., Dartmouth College. Estimated leaf-out phenology for mid-elevation Bird Plot in 2024 based on thermal sums. <u>As of 28 March, 2024</u>, predicted dates for budburst and 90% completion of leaf expansion are: 11 May and 23 May.

Predicted median dates of arrival and 1st clutch initiation by Black-throated Blue Warblers are: 12 May and 30 May.



Real-time temperature records from USDA Forest Service station at Watershed 1. Phenological models adapted from Lany et al. 2016 using long term data of USDA Forest Service.



<u>As of 28 March 2024</u>, the forecast date of leafout is 11 May for mid-elevation bird plots at Hubbard Brook.

Phenology measurements by Northern Research Station, USDA Forest Service. Leaf phenology model adapted from Nina Lany et al. 2016, *Oikos*. Analyses by Matt Ayres et al., Dartmouth College.

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