# CoringTreespotters

**This is the WDC for the project involving the phenology data collected by the treespotters along with the cores that will be collected in April 2025. It will be included in Christophe's Chapter 2**

**Important:** main and original repo is [here](#)

*Last Modified:* **31 March 2024**

## *Date of Study*

2015 to December 2025.

## *Date of Public Archiving:*

January 2026 (estimated)

## *Goal*

Understand how phenology relates to growth for mature trees.

## *Contributors*

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# *General Files*

| File | Where | What |
|---|---|---|
| packingList.md | Github | Packing list of stuff we need to bring when we'll core trees in April 2025 |
| individualphenometricsdatafield_descriptions.xlsx | Github | Metadata downladed from NPN |

## Data

| File | Where | What |
|---|---|---|
| observerations updated table.xlsx | Github | Data transfered from main repo on the number of observations we have for each individual tree. |
| 2025ApprovedPlantListforcoring.xlsx | Github | List that Micheal Dosmann (Curator of Arnold Arboretum) provided us. These are the trees they accepted that we core. |
| listTreesfromInteractiveMap.csv | Github | Data download from the arboretum website |
| individualphenometricsdata2025.csv | Github | Recent data downloaded from NPN |
| weldclimate.csv | Github | Climate data from weld climate station |

| Cleaned files | Where | What |
|---|---|---|
| treeswithPhenodata.csv | Github | Getting the trees for which we have phenological observations. This file was sent to Michael Dosmann |
| cleanedtreeallcues.csv | Github | Transfered from main repo. |

## Code

| Code | Where | What |
| --- | --- | --- |
| 2018Data.R | Github | Transfered from main repo. Code visualize the data. |
| Cleaning_data.R | Github | Transfered from main repo. Cleaning the data |
| cleanStatusIntesity.R | Github | Cleaning an old version of the data. Will probably be deleted. |
| cleanTS_2025.R | Github | **MAIN** code to clean all the treespotters data acquired from NPN |
| CuesandPheno.R | Github | Transfered from main repo. |
| ListTreesWithPhenodata.R | Github | Quick code to look at which tree individuals we have phenodata for |
| mapArboretum.R | Github | Map the treespotters trees |
| numberandfigures2019.R | Github | Transfered from main repo. |
| TS_stan.R | Github | Transfered from main repo. |

# Possible Extras:

- Any amendments to public archiving should be mentioned here and an asterisk added above where the archiving date is given.
- Ensure all data is backed up as per the data management plan.
- Check this file for accuracy and update as needed every 6 months or sooner.