

1. **Dataset Title - Five-minute Tree Temperatures at CHEESEHEAD ISFS Forest Sites**

2. **Dataset Author(s) -**
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3. **Time of Interest - 2019-09-19 15:00:00 to 2020-04-22 18:00:00**

4. **Area of Interest -**
 - NE2-1: 45.9551712557864, -90.2413474494992
 - NE2-2: 45.9551712248025, -90.2413621503803
 - NE3-1: 45.975112404049, -90.2325938096988
 - NE3-2: 45.975078828423, -90.233250308909
 - NE4-1: 45.9616509424066, -90.2268772950264
 - NE4-2: 45.9616309012846, -90.2266419377957
 - SW2-1: 45.9403686350767, -90.3156201252757
 - SW2-2: 45.9403686350767, -90.3156201252757
 - SW4-1: 45.9393405945523, -90.2822581517324
 - SW4-2: 45.939311160533, -90.2822368704109
 - **Box:** 45.976, -90.320; 45.976, -90.225; 45.938, -90.225; 45.938, -90.320

5. **Data Frequency - 5 minute**

6. **Data Spatial Type - textTable**

7. **General Dataset Description -** Five-minute tree temperatures taken at ISFS sites NE2, NE3, NE4, SW2 and SW4 from Sept 2019 to April 2020 using HOBO MX2300 probe thermometers mounted in two trees (see PDF for details) per site at breast height, for use in estimation of tree biomass heat storage. Data were taken by students at Class ACT Charter School of Park Falls, WI and collated by student at Madison West High School.

8. **File Names** -

- ne2-1_9.19_11.5_2019.csv
- ne2-2_9.19_4.22_2020.csv
- ne3-1_1.30_4.22_2020.csv
- ne3-1_9.19_11.5_2019.csv
- ne3-2_9.19_11.5_2019.csv
- ne3-2_1.30_4.22_2020.csv
- ne4-1_9.19_4.22_2020.csv
- ne4-2_9.19_4.22_2020.csv
- sw2-1_9.19_4.22_2020.csv
- sw2-2_9.19_4.22_2020.csv
- sw4-1_9.19_11.5_2019.csv
- sw4-2_9.19_4.22_2020.csv
- treetemp_metadata.pdf (details on trees)
- CHEESEHEADMAP52519.kml (locations)
- treetemp_readme.txt (this file)

9. **Data restrictions** - no restrictions. Please see the [CHEESEHEAD Data Policy](#).

10. **Digital Object Identifier (DOI)** – <https://doi.org/10.26023/36GG-F5E4-WG0T>

11. **GCMD Keywords** -

- WISCONSIN
- 1 minute - < 1 hour
- In Situ Land-based Platforms
- TEMPERATURE PROBES
- TERRESTRIAL ECOSYSTEMS

12. **Publications** - n/a