# SSHCZO Metadata Worksheet

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| Data File Name | **LRVF\_AirT\_RH.csv** |
| Date Prepared | 12/2/2019 |
| Descriptive Title | Leading Ridge Valley Floor Air Temperature (°C) and Relative Humidity |
| Update Frequency | Continuously – data transmitted every 3 hours |
| Abstract | The Ground Hydrological Observation Gear (GroundHOG) sites in the Susquehanna Shale Hills Critical Zone Observatory provide integrated observation of water, energy, and temperature in the Shale Hills and Garner Run field sites within the greater Shavers Creek watershed. Air temperature and relative humidity sensor is being measured every 15-minutes to allow users have local values.  |
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| Data Value Descriptions | * COL1: label = TmStamp, UTC Offset=-5, Time Zone = UTC
* COL2: label = RecNum, data logger table row number
* COL3: label = AirTC\_Avg, Unit s=°C, Time Support = 15 min
* COL4: label = RH, Units = percent, Time Support = 15 min
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| Keywords | Air temperature, relative humidity |
| Methods | A Campbell Scientific CS 60 air temperature and relative humidity sensor is installed 1.5 meters above ground on post. Sensor is connected to a CR1000 data logger and data are recorded every 15-minutes. Data are also transmitted via cellular telemetry every three hours.  |
| Sites | Sites:* Garner Run: Leading Ridge Valley Floor Pit

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| Latitude | 40.6962 |
| Longitude | -77.9211 |

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| Publications | none |
| Citation | The following acknowledgment should accompany any publication or citation of these data: Logistical support and/or data were provided by the NSF-supported Susquehanna Shale Hills Critical Zone Observatory. |
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