# CZO Metadata Worksheet

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| Data File Name | Soil CO2 Concentration Data |
| Date Prepared | 1/4/2013 |
| Descriptive Title | Shale Hills CZO Soil CO2 Concentration and Flux Data (Level 0) |
| Update Frequency | Weekly (sporadic) |
| Abstract | The soil CO2 concentrations and various soil properties for the planar slope and swale sampling locations in the Shale Hills Susquehanna Critical Zone Observatory watershed. |
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| Data Value Descriptions | * COL1: label=Sample Label. * COL2: label=Sample Location. * COL3: label=Local time of day, Time Zone=EST. * COL4: label=Date. * COL5: label=Julian day. * COL6: label=Soil depth (m). * COL7: label=Order # (for injection of samples into the LICOR 7000 for analysis). * COL8: label=CO2 concentration (ppm). * COL9: label=Soil porosity. * COL10: label= Soil VWC (m3/m3). * COL11: label=Air Temperature (°C). * COL12: label=Soil Temperature (°C). * COL13: label=Elevation (m). |
| Keywords | CO2 Flux, CO2 Concentration, Soil CO2 |
| Methods | * CO2 concentration data were measured using a LICORE 7000. * Soil VWC was measured with a time domain reflectometer. * Air temperatures were obtained from the RTHnet website. * Soil temperature were measured using a ST09 Supco soil temperature probe * Gas sampler elevations were measured using a Garmin GPSmap 76CSx GPS. |
| Citation | The following acknowledgment should accompany any publication or citation of these data: Logistical support and/or data were provided by the NSF-supported Shale Hills Susquehanna Critical Zone Observatory. |
| Publications | None |
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