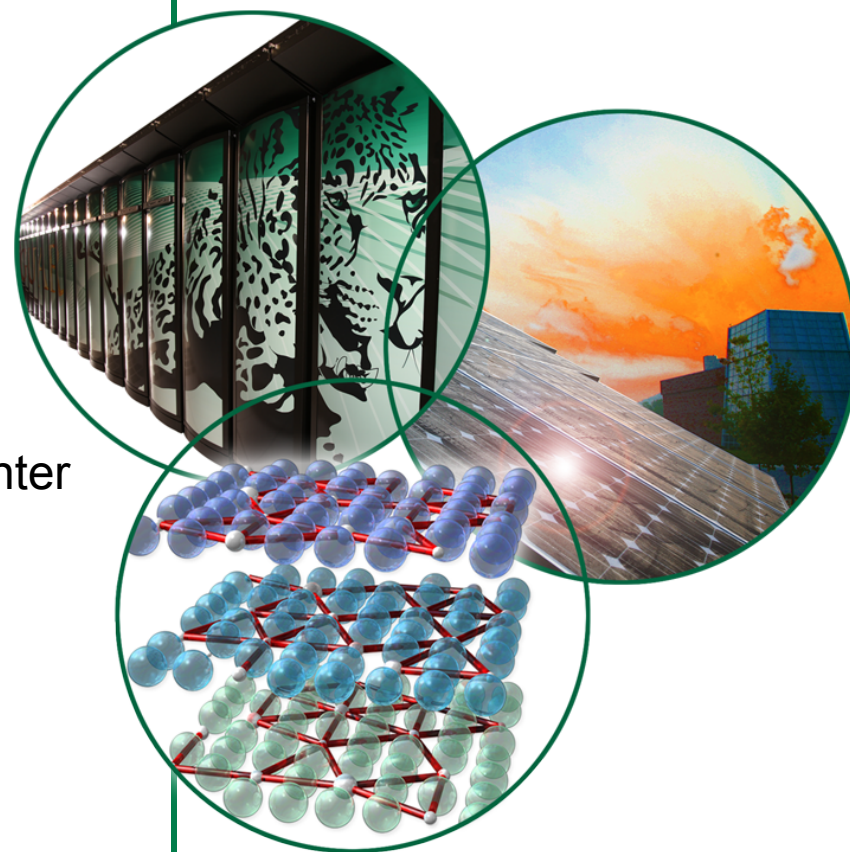


# AmeriFlux Site and Data Exploration System

Misha Krassovski, Tom Boden, Bai Yang,  
Barbara Jackson

CDIAC:  
Carbon Dioxide Information and Analysis Center



# **CDIAC:**

## **Carbon Dioxide Information Analysis Center**

**<http://cdiac.ornl.gov>**

- The Carbon Dioxide Information Analysis Center (CDIAC) is the primary climate-change data and information analysis center of the U.S. Department of Energy (DOE). CDIAC is located at DOE's Oak Ridge National Laboratory (ORNL) and includes the World Data Center for Atmospheric Trace Gases.
- CDIAC's data holdings include records of the atmospheric concentrations of carbon dioxide and other radioactively active gases; the role of the terrestrial biosphere and the oceans in the biogeochemical cycles of greenhouse gases; emissions of carbon dioxide from fossil-fuel consumption and land-use changes; long-term climate trends; the effects of elevated carbon dioxide on vegetation; and the vulnerability of coastal areas to rising sea level.
- CDIAC provides data management support for major projects, including the AmeriFlux Network, continuous observations of ecosystem level exchanges of CO<sub>2</sub>, water, energy and momentum at different time scales for sites in the Americas; the Ocean CO<sub>2</sub> Data Program of CO<sub>2</sub> measurements taken aboard ocean research vessels; DOE-supported FACE experiments, which evaluate plant and ecosystem response to elevated CO<sub>2</sub> concentrations, and NARSTO, which assesses ozone and fine particle processes in the troposphere over North America.
- CDIAC is supported by DOE's Climate Change Research Division of the Office of Biological and Environmental Research.





# AmeriFlux Network



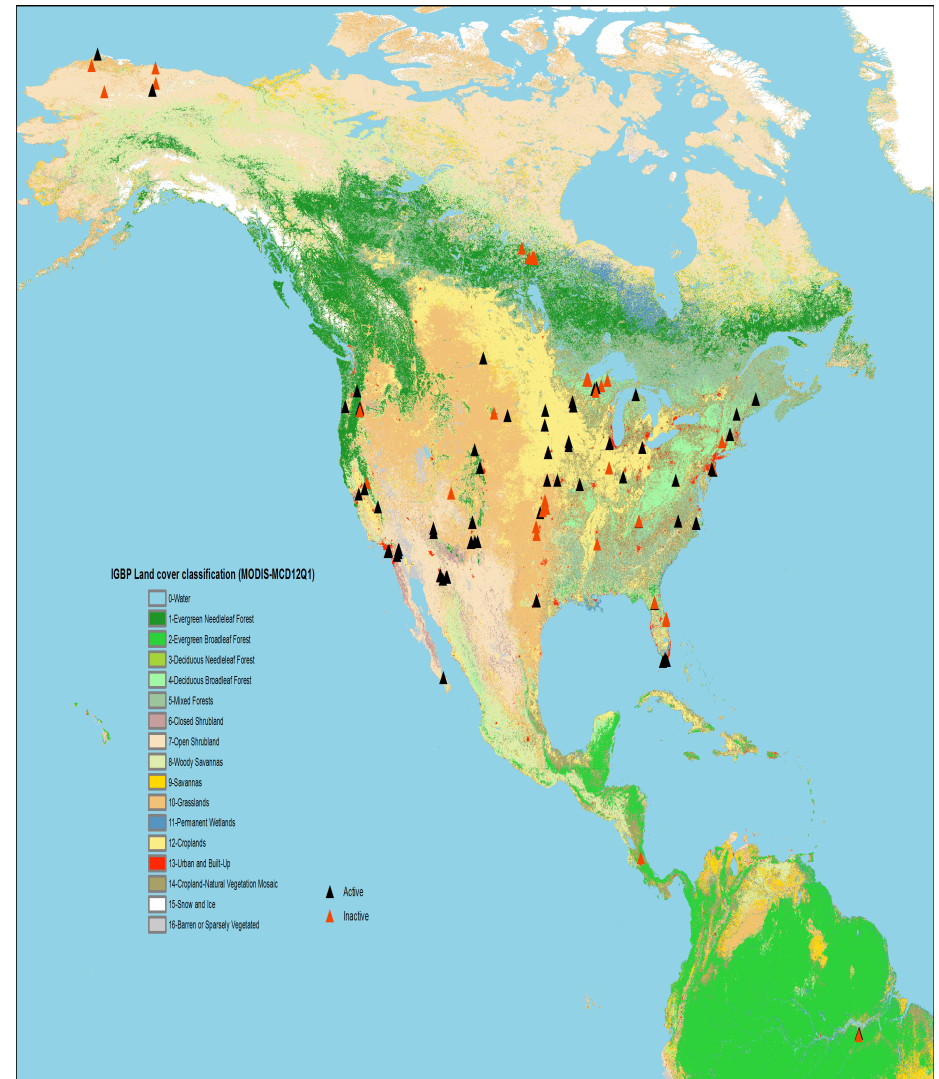
<http://public.ornl.gov/ameriflux>

# AmeriFlux Network

**142 sites in 5 countries; 94 active sites, 48 inactive sites**

**Participation requirements:**

- **Make year-round core measurements using the eddy-covariance technique**
- **Submit data to the Carbon Dioxide Information Analysis Center (CDIAC) within 1 year of collection**
- **Participate in AmeriFlux Science Meetings and synthesis & modeling activities**





# AmeriFlux Data Levels (Products)

## For meteorological data:

**Level 1 — Processed Data Provided by the Site Investigators:** Data files provided by the site measurement teams are processed by CDIAC to produce Level 2 data products (see below). Level 1 data files are archived long-term by CDIAC. Level 1 data are available to users in their native submission formats but users are encouraged to use Level 2, 3 or 4 AmeriFlux data products.

**Level 2 — Data Checked & Formatted by CDIAC:** Data received from individual sites are reviewed and incorporated into a network-wide AmeriFlux database. The review process includes checks for consistent units, naming conventions, and reporting intervals and reformatting is often necessary to maintain consistency within the larger network-wide database.

**Level 3 — Processed Data With Quality Flags Assigned:** AmeriFlux Level 2 files are processed by the European flux data activity to produce Level 3 and 4 files identical to the European regional network.

Level 3 files contain the same values as Level 2 files but with quality flags assigned and NEE calculated using standardized techniques.

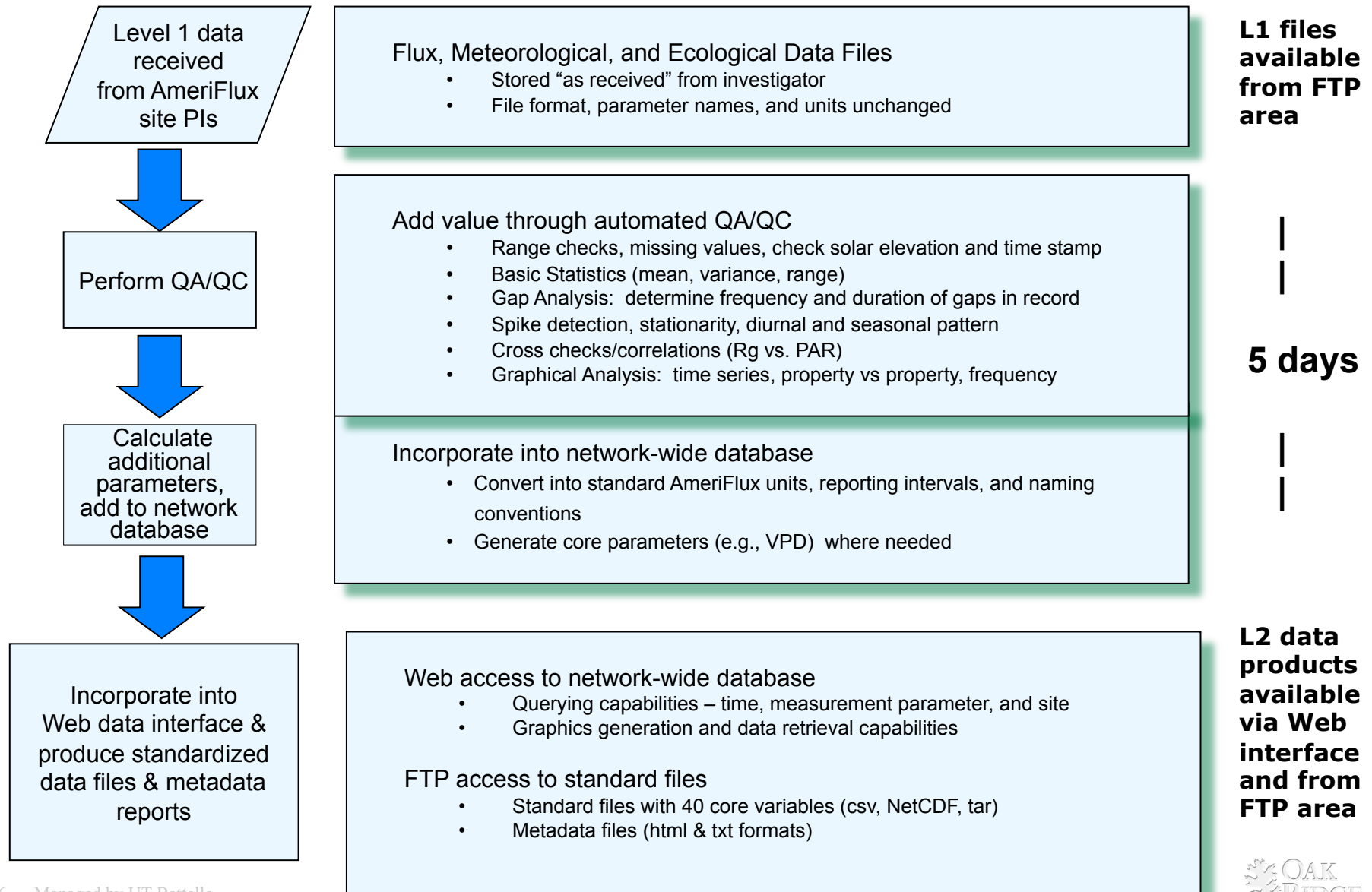
**Level 4 — Gap-filled & Adjusted Data Files with GEP & Re Estimates:** Level 4 files contain gap-filled (ANN and MDS techniques) and ustar filtered records, complete with calculated gross productivity and total ecosystem respiration terms on varying time intervals including hourly, daily, weekly, and monthly with flags regarding the quality of the original and gap-filled data.

## For biological data:

**Level 1 — Processed Data Provided by the Site Investigators:** Site investigators provide ecological data and disturbance information in various ways including submission of the Law et al. Biological-Ancillary-Disturbance-Methodology (BADM) template. Level 1 biological data are available to users in their native submission formats.

**Level 2 — Uniform Law et al. Biological-Ancillary-Disturbance-Methodology (BADM) Templates:** The original BADM templates submitted by the site measurement teams are processed by the Microsoft/LBL data team to produce improved templates with uniform fields (e.g., consistent date representations) and better suited for automated processing.

# Level 1 to Level 2 Data Processing Scheme



# **QA/QC in Standardizing AmeriFlux Datasets**

- **Check for time-stamps, missing or repeated entries**
- **Threshold check**
- **Check for nighttime radiation**
- **Check for inter-relationships**
- **Check for spikes**
- **Check for stationarity**
- **Check for diurnal and seasonal cycles**
- **Graphic and visual checks**



# Diversity of Data Submitted by AmeriFlux Sites

Category	Example
Time-stamp	Local time vs. Universal Standard Time; beginning or ending of a sampling period vs. its midpoint
File format	Excel format, text format, Matlab format
Nomenclature and symbolic convention	Water vapor flux vs. evapotranspiration; symbols for photosynthetically active radiation --- PAR vs. PPFD
Unit	CO <sub>2</sub> in mg m <sup>-3</sup> vs. CO <sub>2</sub> in ppm
Sign convention	Carbon uptake --- negative (downward) CO <sub>2</sub> flux vs. positive values (photosynthetic production)
Data representative	A single measurement vs. an average of spatial repetitions; Soil temperature measured at a single level (10 cm) vs. an average within a vertical extent (0-30 cm)
Variable definition	Soil heat flux defined as heat flux through the soil heat plate vs. the sum of heat flux through the soil heat plate and heat storage in the soil layer above the plate
Data handling and processing	Different coordinate rotations (planar vs. two-dimensional rotation) and corrections for CO <sub>2</sub> flux term (WPL vs. WPL plus Burba correction); different levels of screening and cleaning; gap-filled vs. with-gaps
Metadata	Different level of details --- from a simple file header (symbolic variable names and units only) to a full document (measurement techniques, variable definition, sign convention and others)
Data quality	From publishing quality to data-logger quality



## AmeriFlux Site and Data Exploration System

### Primary Site Information

#### Site name:

All Sites

#### Primary Investigator(s):

All PIs

#### Country:

All countries

#### State/Province:

All States/Provinces

#### Measurement status:

All

#### Data availability status:

All

#### Types of available data products:

L2 ☐ L2st ☐ L3 ☐ L4 ☐ Bio data ☐

#### Date available (mm/dd/yyyy):

From 10/28/1991 To 06/23/2010

#### Vegetation (IGBP):

All classes

#### Elevation (m):

From 0 To 3190

#### Longitude (+/-, E/W):

From -157.4089 To -54.9589

#### Latitude (+/-, N/S):

From -3.018 To 71.3225

### Instruments

#### Instrumentation

All instruments

#### Brand

All brands

#### Model

All models

### Meteorological variables

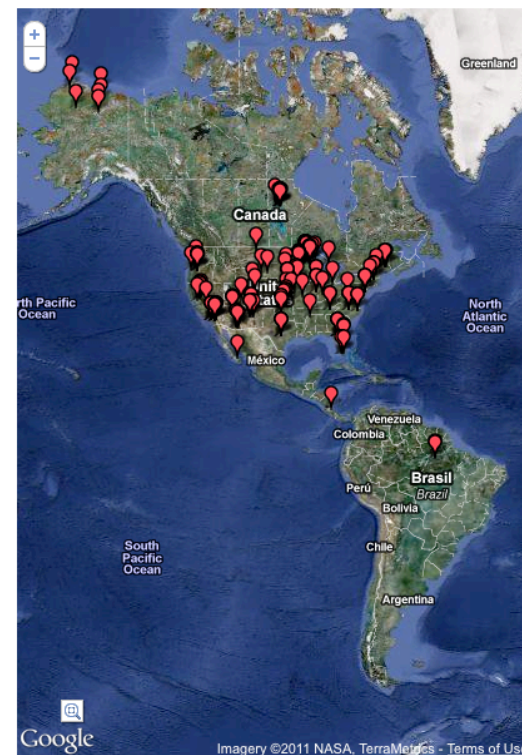
- |                                  |                                       |                                     |                                     |
|----------------------------------|---------------------------------------|-------------------------------------|-------------------------------------|
| <input type="checkbox"/> AdvtFC  | <input type="checkbox"/> APAR         | <input type="checkbox"/> APARpct    | <input type="checkbox"/> CO*        |
| <input type="checkbox"/> CO2     | <input type="checkbox"/> CO2den*      | <input type="checkbox"/> DryAirDen* | <input type="checkbox"/> DVO3*      |
| <input type="checkbox"/> FC      | <input type="checkbox"/> FG           | <input type="checkbox"/> FH2O*      | <input type="checkbox"/> FNOy*      |
| <input type="checkbox"/> FO3*    | <input type="checkbox"/> GC*          | <input type="checkbox"/> GEP        | <input type="checkbox"/> GPP*       |
| <input type="checkbox"/> H       | <input type="checkbox"/> H2O          | <input type="checkbox"/> H2Oden*    | <input type="checkbox"/> L*         |
| <input type="checkbox"/> LE      | <input type="checkbox"/> Leafwetness* | <input type="checkbox"/> NEE        | <input type="checkbox"/> NOy*       |
| <input type="checkbox"/> O3*     | <input type="checkbox"/> PAR          | <input type="checkbox"/> PARdif     | <input type="checkbox"/> PARdir*    |
| <input type="checkbox"/> PARout  | <input type="checkbox"/> PREC         | <input type="checkbox"/> PRECcum*   | <input type="checkbox"/> PRESS      |
| <input type="checkbox"/> RE      | <input type="checkbox"/> Rg           | <input type="checkbox"/> Rgdif      | <input type="checkbox"/> Rgdir*     |
| <input type="checkbox"/> Rgl     | <input type="checkbox"/> RglOut       | <input type="checkbox"/> RgNIR*     | <input type="checkbox"/> RgNIROut*  |
| <input type="checkbox"/> RgOut   | <input type="checkbox"/> RgRed*       | <input type="checkbox"/> RgRedOut*  | <input type="checkbox"/> RH         |
| <input type="checkbox"/> Rn      | <input type="checkbox"/> RS*          | <input type="checkbox"/> SFC        | <input type="checkbox"/> SFG*       |
| <input type="checkbox"/> SFH2O*  | <input type="checkbox"/> SH           | <input type="checkbox"/> SHbio*     | <input type="checkbox"/> SHbole*    |
| <input type="checkbox"/> SHleaf* | <input type="checkbox"/> SLE          | <input type="checkbox"/> SNOWdepth* | <input type="checkbox"/> SVP*       |
| <input type="checkbox"/> SWC     | <input type="checkbox"/> SWCdepth*    | <input type="checkbox"/> SWP*       | <input type="checkbox"/> TA         |
| <input type="checkbox"/> Tadb*   | <input type="checkbox"/> TAmx*        | <input type="checkbox"/> TAmin*     | <input type="checkbox"/> TAU*       |
| <input type="checkbox"/> Tawb*   | <input type="checkbox"/> Tbole*       | <input type="checkbox"/> Tdew*      | <input type="checkbox"/> Tleaf*     |
| <input type="checkbox"/> TS      | <input type="checkbox"/> TSdepth*     | <input type="checkbox"/> Tskin*     | <input type="checkbox"/> Tsky*      |
| <input type="checkbox"/> Tsnw*   | <input type="checkbox"/> Tsonic*      | <input type="checkbox"/> Ubar*      | <input type="checkbox"/> UST        |
| <input type="checkbox"/> VPD     | <input type="checkbox"/> WATERdepth*  | <input type="checkbox"/> WD         | <input type="checkbox"/> WetAirDen* |
| <input type="checkbox"/> WS      | <input type="checkbox"/> ZEC*         | <input type="checkbox"/> ZL         |                                     |

\*not available in L2st, L3 and L4 files

### Data Products

Full datasets for selected site(s) are available at:

[All sites all data products](#)



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# AmeriFlux Site and Data Exploration System

## Primary Site Information

### Site name:

Fermi Agricultural / US-IB1

### Primary Investigator(s):

Matamala, Roser

### Country:

USA

### State/Province:

Illinois, IL

### Measurement status:

Active, core measurements presently being made

### Data availability status:

Data available

### Types of available data products:

L2 ☒ L2st ☒ L3 ☒ L4 ☒ Bio data ☒

### Date available (mm/dd/yyyy):

From 03/28/2005

To 10/31/2009

### Vegetation (IGBP):

Croplands

### Elevation (m):

225

### Longitude (+/-, E/W):

-88.2227

### Latitude (+/-, N/S):

41.8593

## Instruments

Instrument: Ceptometer; Brand: AccuPAR; Model: PAR-80

Instrument: Tipping Bucket Rain Gauge; Brand: Belfort;

Model: OMC-212

Instrument: Radiometer; Brand: Cropscan; Model: MSR87

Instrument: 3-D Sonic Anemometer; Brand: Gill; Model:

Windmaster Pro

Instrument: Quantum Sensor; Brand: LI-COR; Model:

LI-190SA

Instrument: Open Path CO2/H2O Gas Analyzer; Brand:

LI-COR; Model: LI-7500

Instrument: Barometric Pressure Sensor; Brand: Met One;

Model: 7170

## Meteorological variables

- |  |   |  |   |
|--|---|--|---|
| <input type="checkbox"/> AdvtFC*           | <input checked="" type="checkbox"/> APAR    | <input checked="" type="checkbox"/> APARpct  | <input type="checkbox"/> CO*              |
| <input checked="" type="checkbox"/> CO2    | <input checked="" type="checkbox"/> CO2den* | <input type="checkbox"/> DryAirDen*          | <input type="checkbox"/> DVO3*            |
| <input checked="" type="checkbox"/> FC     | <input checked="" type="checkbox"/> FG      | <input checked="" type="checkbox"/> FH2O*    | <input type="checkbox"/> FNOy*            |
| <input type="checkbox"/> FO3*              | <input type="checkbox"/> GC*                | <input type="checkbox"/> GEP                 | <input type="checkbox"/> GPP*             |
| <input checked="" type="checkbox"/> H      | <input type="checkbox"/> H2O                | <input type="checkbox"/> H2Oden*             | <input type="checkbox"/> L*               |
| <input checked="" type="checkbox"/> LE     | <input type="checkbox"/> Leafwetness*       | <input type="checkbox"/> NEE                 | <input type="checkbox"/> NOy*             |
| <input type="checkbox"/> O3*               | <input checked="" type="checkbox"/> PAR     | <input type="checkbox"/> PARdif              | <input type="checkbox"/> PARdir*          |
| <input checked="" type="checkbox"/> PARout | <input checked="" type="checkbox"/> PREC    | <input checked="" type="checkbox"/> PRECcum* | <input checked="" type="checkbox"/> PRESS |
| <input type="checkbox"/> RE                | <input checked="" type="checkbox"/> Rg      | <input type="checkbox"/> Rgdif               | <input type="checkbox"/> Rgdir*           |
| <input type="checkbox"/> Rgl               | <input type="checkbox"/> RglOut             | <input type="checkbox"/> RgNIR*              | <input type="checkbox"/> RgNIROut*        |
| <input checked="" type="checkbox"/> RgOut  | <input type="checkbox"/> RgRed*             | <input type="checkbox"/> RgRedOut*           | <input checked="" type="checkbox"/> RH    |
| <input checked="" type="checkbox"/> Rn     | <input type="checkbox"/> RS*                | <input type="checkbox"/> SFC                 | <input type="checkbox"/> SFG*             |
| <input type="checkbox"/> SFH2O*            | <input type="checkbox"/> SH                 | <input type="checkbox"/> SHbio*              | <input type="checkbox"/> SHbole*          |
| <input type="checkbox"/> SHleaf*           | <input type="checkbox"/> SLE                | <input type="checkbox"/> SNOWdepth*          | <input type="checkbox"/> SVP*             |
| <input checked="" type="checkbox"/> SWC    | <input type="checkbox"/> SWCdepth*          | <input type="checkbox"/> SWP*                | <input checked="" type="checkbox"/> TA    |
| <input type="checkbox"/> TAdb*             | <input type="checkbox"/> TAmx*              | <input type="checkbox"/> TAmin*              | <input checked="" type="checkbox"/> TAU*  |
| <input type="checkbox"/> TAwb*             | <input type="checkbox"/> Tbole*             | <input type="checkbox"/> Tdew*               | <input type="checkbox"/> Tleaf*           |
| <input checked="" type="checkbox"/> TS     | <input type="checkbox"/> TSdepth*           | <input type="checkbox"/> Tskin*              | <input type="checkbox"/> Tsky*            |
| <input type="checkbox"/> Tsnow*            | <input type="checkbox"/> Tsonic*            | <input type="checkbox"/> Ubar*               | <input checked="" type="checkbox"/> UST   |
| <input checked="" type="checkbox"/> VPD    | <input type="checkbox"/> WATERdepth*        | <input checked="" type="checkbox"/> WD       | <input type="checkbox"/> WetAirDen*       |
| <input checked="" type="checkbox"/> WS     | <input type="checkbox"/> ZEC*               | <input type="checkbox"/> ZL                  |   |

\*not available in L2st, L3 and L4 files

## Data Products

Full datasets for selected site(s) are available at:

[Level 2 files](#)

[Level 2 standardized files - ASCII \(\\*.csv\) and netCDF \(\\*.nc\)](#)

[Level 3 files](#)

[Level 4 files](#)

[Biological data](#)

Show sites

Create dataset

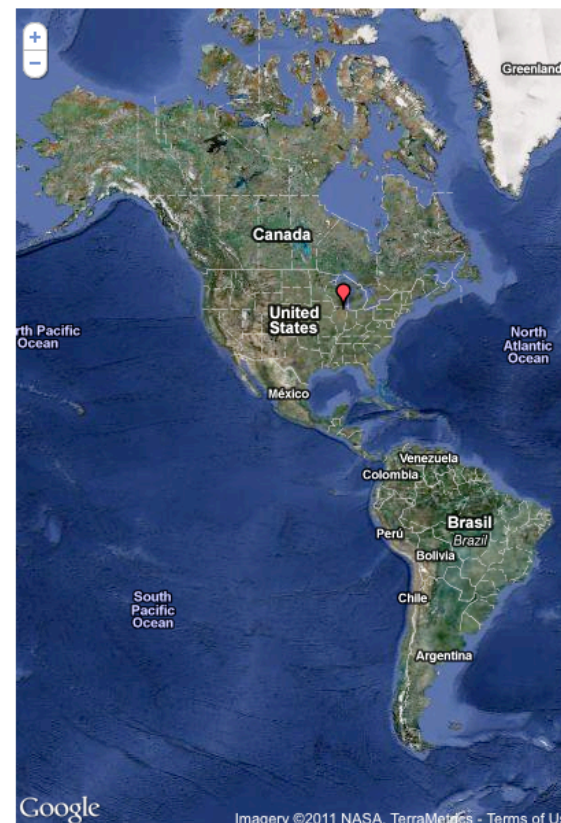
Reset

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# AmeriFlux Site and Data Exploration System

## Primary Site Information

### Site name:

Fermi Agricultural / US-IB1

### Primary Investigator(s):

Matamala, Roser

### Country: State/Province:

USA Illinois, IL

### Measurement status:

Active, core measurements presently being made

### Data availability status:

Data available

### Types of available data products:

L2 ☒ L2st ☒ L3 ☒ L4 ☒ Bio data ☒

### Date available (mm/dd/yyyy):

From 03/28/2005 To 10/31/2009

### Vegetation (IGBP):

Croplands

### Elevation (m):

225

### Longitude (+/-, E/W):

-88.2227

### Latitude (+/-, N/S):

41.8593

## Instruments

Instrument: Ceptometer; Brand: AccuPAR; Model: PAR-80

Instrument: Tipping Bucket Rain Gauge; Brand: Belfort;

Model: OMC-212

Instrument: Radiometer; Brand: Cropscan; Model: MSR87

Instrument: 3-D Sonic Anemometer; Brand: Gill; Model:

Windmaster Pro

Instrument: Quantum Sensor; Brand: LI-COR; Model:

LI-190SA

Instrument: Open Path CO2/H2O Gas Analyzer; Brand:

LI-COR; Model: LI-7500

Instrument: Barometric Pressure Sensor; Brand: Met One;

Model: 7120

## Meteorological variables

- ☒ DIST
- ☒ SPPPO
- ☐ SPPUperc
- ☐ LAIU
- ☒ HEIGHTC
- ☒ AgBiomassTT
- ☐ AgBiomassST
- ☒ AgBiomassCH
- ☐ CropResid
- ☐ StMass
- ☒ FRBiomass
- ☒ AgProdTF
- ☐ AgProdSF
- ☐ AgProdNWT
- ☐ AgProdCT
- ☒ RTProd
- ☐ LMA
- ☐ WoodN
- ☐ LitC
- ☐ SoilType
- ☐ SoilIN
- ☐ SiltPerc
- ☐ SoilDepth
- ☐ RsMean
- ☐ FlowerDate
- ☐ LeafOffDate
- ☒ ASA
- ☒ SPPOperc
- ☐ LIADO
- ☒ LAI
- ☐ AgBiomassTF
- ☒ AgBiomassSF
- ☒ AgBiomassNWT
- ☒ AgBiomassCT
- ☐ CWD
- ☐ SNAG
- ☒ RTBiomass
- ☒ AgProdTW
- ☐ AgProdSW
- ☐ AgProdCF
- ☐ CRProd
- ☐ NEPdur
- ☐ FoIN
- ☐ WoodC
- ☐ RootN
- ☐ SoilBD
- ☐ SoilPH
- ☐ ClayPerc
- ☐ SoilWaterCap
- ☐ BudBkDate
- ☐ LeafFullDate
- ☒ MaxSA
- ☒ SPPU
- ☒ LAIEO
- ☐ LAIClump
- ☒ AgBiomassTW
- ☐ AgBiomassSW
- ☐ AgBiomassCF
- ☐ LitMass
- ☐ FWD
- ☒ CRBiomass
- ☒ WoodIncr
- ☒ AgProdTT
- ☐ AgProdST
- ☐ AgProdCH
- ☐ FRProd
- ☐ LitProd
- ☐ FoIC
- ☐ LitN
- ☐ RootC
- ☐ SoilC
- ☐ SandPerc
- ☐ RockPerc
- ☐ SWC
- ☐ CotDate
- ☐ LeafSenDate

## Data Products

Full datasets for selected site(s) are available at:

[Level 2 files](#)

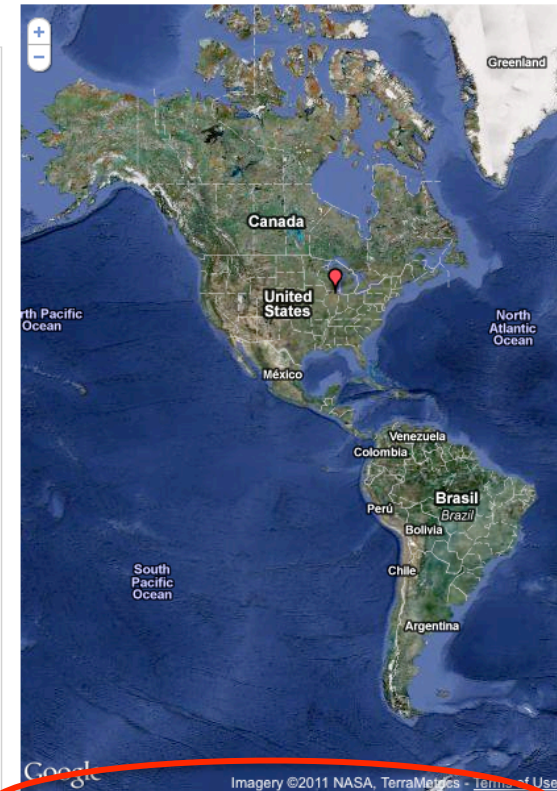
[Level 2 standardized files - ASCII \(\\*.csv\) and netCDF \(\\*.nc\)](#)

[Level 3 files](#)

[Level 4 files](#)

[Biological data](#)

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#### General Site Information

- **Sitename/FLUXNET ID:** Fermi Agricultural / US-IB1
- **Country:** USA
- **State/Province:** Illinois, IL
- **Sponsor:** DOE/TCP
- **Latitude (+N/-S):** 41.8593
- **Longitude (+E/-W):** -88.2227
- **Elevation:** 225m
- **Status:** Active, core measurements presently being made
- **Vegetation (IGBP):** Croplands

#### Principal Investigator(s)

- **Cook, David R.**  
Argonne National Laboratory  
Environmental Science Division, Climate Research Section  
Building 203, 9700 South Cass Avenue  
Argonne, IL USA 60439  
**Phone:** 630-252-5840  
**Fax:** 630-252-2959  
**Email:** drcook@anl.gov
- **Matamala, Roser**  
Argonne National Laboratory  
Biosciences Division  
Building 203, 9700 S. Cass Avenue  
Argonne, IL USA 60439  
**Phone:** 630-252-9270  
**Fax:** 630-252-8895  
**Email:** matamala@anl.gov



#### Data and additional information

- **Types of available data products:** L2 L2st L3 L4 Biodata
- **Period of available data:** from 03/28/2005 to 10/31/2009
- **L2st summary report:** [Fermi Agricultural Summary Report](#)
- **History of data changes and submissions:** [History changes](#)
- **CDIAC L2st processing report:** [Report Fermi Agricultural](#)
- **Research topics:** The primary objectives of the proposed study are to (1) compare net ecosystem production derived by integrating eddy covariance estimates of time with independent biometric measurements of ecosystem carbon stocks, and (2) compare carbon dynamics and stocks for the two management practices. The American Carbon Program by providing information on the magnitude and distribution of carbon stocks and the processes that control carbon dynamics in cultivated U.S. Midwest.
- **Land history:** Two eddy correlation systems are installed at Fermi National Accelerator Laboratory: one on a restored prairie (established October 2004) and one on an agricultural field (established in July 2005). The prairie site had been farmed for more than 100 years, but was converted to prairie in 1989. The agricultural site had been farmed for more than 100 years, but the first documented instance of agricultural activity dates back to a picture taken in 1952.
- **Fetch:** 400 meters or more in all directions
- **Soil type:** Silty clay loam topsoil with clay subsoil
- **Dominant species composition:** Corn (C4) - 2006, 2008 and Soybean (C3) - 2005, 2007, 2009
- **Tower height:** 4.05 m
- **Vegetation type:** Corn/Soybean rotation
- **AmeriFlux network data:** [Data link](#)
- **AmeriFlux biological data:** [Data link](#)
- **Modis 5 data:** [Data link](#)
- **Additional information:** [Data link](#)

#### Meteorological/Flux measurements

Variable	Units	Description	Repeat	Processing	Offset	Offset units	Sign convention
APAR	umol/m2/s	Absorbed PAR				(n/a)	
APAR	umol/m2/s	Absorbed PAR		Filled		(n/a)	

#### Biological

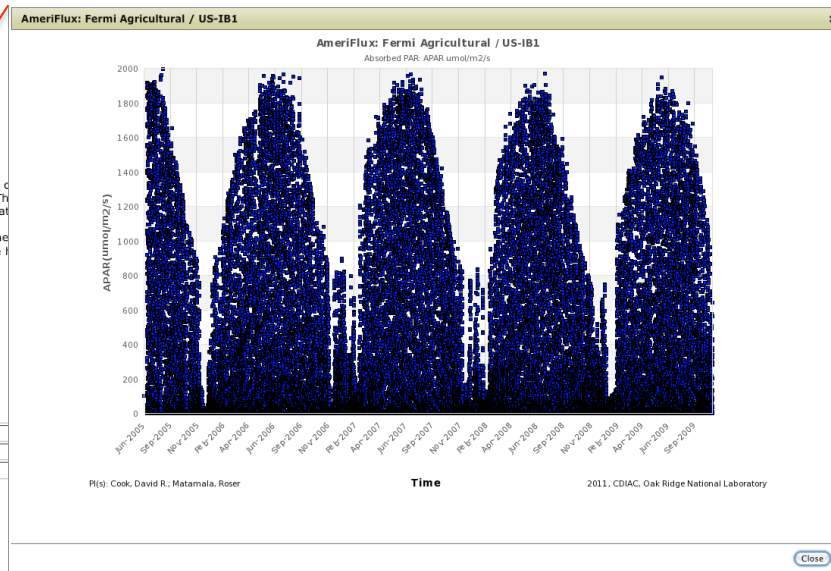
Variable	Units	Description
AgBiomassCH	gC/m2 (ground)	Aboveground biomass of crops harvest
ASA	years	Mean stand age in years

#### Instrumentation

Name	Brand	Model
Ceptometer	AccuPAR	PAR-80
Tipping Bucket Rain Gauge	Belfort	QMC-212
Radiometer	Cropscan	MSR87

#### Publications

- J. D. Jastrow; 1987; **Changes in Soil Aggregation Associated with Tallgrass Prairie Restoration;** *American Journal of Botany*; Volume: 74; Issue: 11; Pages: 1656-1664;
- J. D. Jastrow, R. M. Miller; J. Lussenhop; 1998; **Contributions of interacting biological mechanisms to soil aggregate stabilization in restored prairie;** *Soil Biology and Biochemistry*; Volume: 30; Issue: 7; Pages: 905-916;
- J. D. Jastrow, R. M. Miller; J. Lussenhop; 1998; **Contributions of interacting biological mechanisms to soil aggregate stabilization in restored prairie;** *Soil Biology and Biochemistry*; Volume: 30; Issue: 7; Pages: 905-916;
- R. M. Miller, S. P. Miller, J. D. Jastrow, C. B. Rivetta; 2002; **Mycorrhizal mediated feedbacks influence net carbon gain and nutrient uptake in Andropogon gerardii;** *New Phytologist*; Volume: 155; Pages: 149-162;
- W. M. Post, R. C. Izarralde, J. D. Jastrow, B. A. McCarl, J. E. Amonette, V. L. Bailey, P. M. Jardine, T. O. West, and J. Z. Zhou; 2004; **Enhancement of carbon sequestration in U. S. soils;** *BioScience*; Volume: 54; Issue: 10; Pages: 895-908;
- V. J. Allison, R. M. Miller, J. D. Jastrow, R. Matamala, D. R. Zak; 2005; **Changes in soil microbial community structure in a tallgrass prairie chronosequence;** *Soil Science Society of America Journal*; Volume: 69; Issue: 5; Pages: 1412-1421;



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Fermi Agricultural / US-IB1

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### Latitude (+/-, N/S):

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Instrument: 3-D Sonic Anemometer; Brand: Gill; Model:

Windmaster Pro

Instrument: Quantum Sensor; Brand: LI-COR; Model:

LI-190SA

Instrument: Open Path CO2/H2O Gas Analyzer; Brand:

LI-COR; Model: LI-7500

Instrument: Barometric Pressure Sensor; Brand: Met One;

Model: 7120

## Meteorological variables

- |  |   |  |   |
|--|---|--|---|
| <input type="checkbox"/> AdvtFC*           | <input checked="" type="checkbox"/> APAR    | <input checked="" type="checkbox"/> APARpct  | <input type="checkbox"/> CO*              |
| <input checked="" type="checkbox"/> CO2    | <input checked="" type="checkbox"/> CO2den* | <input type="checkbox"/> DryAirDen*          | <input type="checkbox"/> DVO3*            |
| <input checked="" type="checkbox"/> FC     | <input checked="" type="checkbox"/> FG      | <input checked="" type="checkbox"/> FH2O*    | <input type="checkbox"/> FNOy*            |
| <input type="checkbox"/> FO3*              | <input type="checkbox"/> GC*                | <input type="checkbox"/> GEP                 | <input type="checkbox"/> GPP*             |
| <input checked="" type="checkbox"/> H      | <input type="checkbox"/> H2O                | <input type="checkbox"/> H2Oden*             | <input type="checkbox"/> L*               |
| <input checked="" type="checkbox"/> LE     | <input type="checkbox"/> Leafwetness*       | <input type="checkbox"/> NEE                 | <input type="checkbox"/> NOy*             |
| <input type="checkbox"/> O3*               | <input checked="" type="checkbox"/> PAR     | <input type="checkbox"/> PARdif              | <input type="checkbox"/> PARdir*          |
| <input checked="" type="checkbox"/> PARout | <input checked="" type="checkbox"/> PREC    | <input checked="" type="checkbox"/> PRECcum* | <input checked="" type="checkbox"/> PRESS |
| <input type="checkbox"/> RE                | <input checked="" type="checkbox"/> Rg      | <input type="checkbox"/> Rgdif               | <input type="checkbox"/> Rgdir*           |
| <input type="checkbox"/> Rgl               | <input type="checkbox"/> RglOut             | <input type="checkbox"/> RgNIR*              | <input type="checkbox"/> RgNIROut*        |
| <input checked="" type="checkbox"/> RgOut  | <input type="checkbox"/> RgRed*             | <input type="checkbox"/> RgRedOut*           | <input checked="" type="checkbox"/> RH    |
| <input checked="" type="checkbox"/> Rn     | <input type="checkbox"/> RS*                | <input type="checkbox"/> SFC                 | <input type="checkbox"/> SFG*             |
| <input type="checkbox"/> SFH2O*            | <input type="checkbox"/> SH                 | <input type="checkbox"/> SHbio*              | <input type="checkbox"/> SHbole*          |
| <input type="checkbox"/> SHleaf*           | <input type="checkbox"/> SLE                | <input type="checkbox"/> SNOWdepth*          | <input type="checkbox"/> SVP*             |
| <input checked="" type="checkbox"/> SWC    | <input type="checkbox"/> SWCdepth*          | <input type="checkbox"/> SWP*                | <input checked="" type="checkbox"/> TA    |
| <input type="checkbox"/> TAdb*             | <input type="checkbox"/> TAmx*              | <input type="checkbox"/> TAmin*              | <input checked="" type="checkbox"/> TAU*  |
| <input type="checkbox"/> TAwb*             | <input type="checkbox"/> Tbole*             | <input type="checkbox"/> Tdew*               | <input type="checkbox"/> Tleaf*           |
| <input checked="" type="checkbox"/> TS     | <input type="checkbox"/> TSdepth*           | <input type="checkbox"/> Tskin*              | <input type="checkbox"/> Tsky*            |
| <input type="checkbox"/> Tsnw*             | <input type="checkbox"/> Tsonic*            | <input type="checkbox"/> Ubar*               | <input checked="" type="checkbox"/> UST   |
| <input checked="" type="checkbox"/> VPD    | <input type="checkbox"/> WATERdepth*        | <input checked="" type="checkbox"/> WD       | <input type="checkbox"/> WetAirDen*       |
| <input checked="" type="checkbox"/> WS     | <input type="checkbox"/> ZEC*               | <input type="checkbox"/> ZL                  |   |

\*not available in L2st, L3 and L4 files

## Data Products

Full datasets for selected site(s) are available at:

- [Level 2 files](#)
- [Level 2 standardized files - ASCII \(.csv\) and netCDF \(\\*.nc\)](#)
- [Level 3 files](#)
- [Level 4 files](#)
- [Biological data](#)

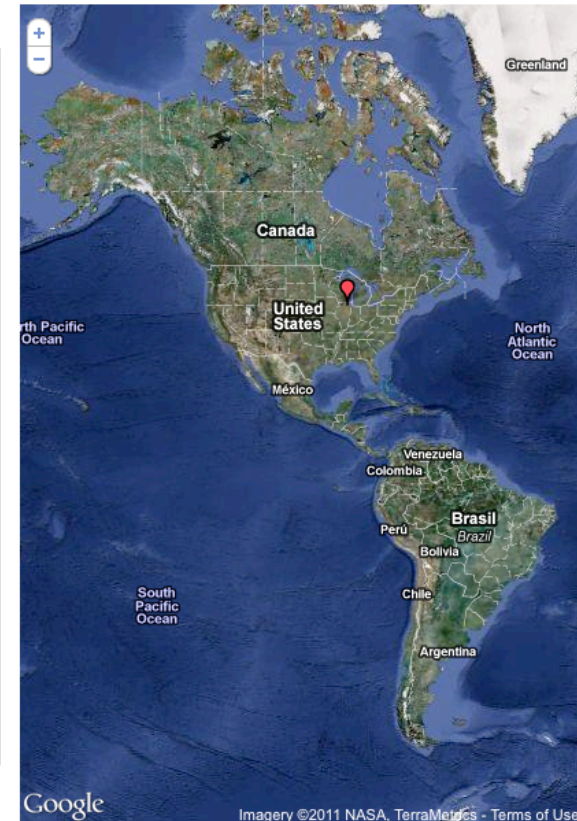
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Index of [ftp://cdiac.ornl.gov/pub/ameriflux/data/Level2/Sites\\_ByName/Fermi\\_Agricultural/with\\_gaps/](ftp://cdiac.ornl.gov/pub/ameriflux/data/Level2/Sites_ByName/Fermi_Agricultural/with_gaps/)

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Name	Size	Last Modified	
 <a href="#">AMF_USIB1_2005_L2_WG_V004.csv</a>	3095 KB	6/21/10	12:00:00 AM
 <a href="#">AMF_USIB1_2005_L2_WG_V004.nc</a>	2364 KB	6/21/10	12:00:00 AM
 <a href="#">AMF_USIB1_2006_L2_WG_V004.csv</a>	3817 KB	6/21/10	12:00:00 AM
 <a href="#">AMF_USIB1_2006_L2_WG_V004.nc</a>	3096 KB	6/21/10	12:00:00 AM
 <a href="#">AMF_USIB1_2007_L2_WG_V004.csv</a>	3835 KB	6/21/10	12:00:00 AM
 <a href="#">AMF_USIB1_2007_L2_WG_V004.nc</a>	3096 KB	6/21/10	12:00:00 AM
 <a href="#">AMF_USIB1_2008_L2_WG_V004.csv</a>	3840 KB	6/21/10	12:00:00 AM
 <a href="#">AMF_USIB1_2008_L2_WG_V004.nc</a>	3104 KB	6/21/10	12:00:00 AM
 <a href="#">AMF_USIB1_2009_L2_WG_V004.csv</a>	3154 KB	6/21/10	12:00:00 AM
 <a href="#">AMF_USIB1_2009_L2_WG_V004.nc</a>	2579 KB	6/21/10	12:00:00 AM
 <a href="#">Fermi_Agricultural_SummaryReport.htm</a>	36 KB	6/21/10	12:00:00 AM
 <a href="#">history_changes.txt</a>	2 KB	6/21/10	12:00:00 AM
 <a href="#">report_Fermi_Agricultural.html</a>	124 KB	6/21/10	12:00:00 AM

Index of [ftp://cdiac.ornl.gov/pub/ameriflux/data/Level1/Sites\\_ByName/Fermi\\_Agricultural/biological\\_data/](ftp://cdiac.ornl.gov/pub/ameriflux/data/Level1/Sites_ByName/Fermi_Agricultural/biological_data/)

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Name	Size	Last Modified	
 <a href="#">2005_Fermi_FF_MSR_LAI.txt</a>	80 KB	11/10/05	12:00:00 AM
 <a href="#">AmeriFlux_Biological_Data_Fermicrop.Version1.xls</a>	138 KB	8/12/09	12:00:00 AM
 <a href="#">US-IB1_CADM_LATEST.xls</a>	66 KB	5/4/09	12:00:00 AM

# AmeriFlux Site and Data Exploration System

**Primary Site Information**

**Site name:**  
Fermi Agricultural / US-IB1

**Primary Investigator(s):**  
Matamala, Roser

**Country:** USA **State/Province:** Illinois, IL

**Measurement status:**  
Active, core measurements presently being made

**Data availability status:**  
Data available

**Types of available data products:**  
L2 ☒ L2st ☐ L3 ☐ L4 ☐ Bio data ☐

**Date available (mm/dd/yyyy):**  
From 03/28/2005 To 10/31/2009

**Vegetation (IGBP):**  
Croplands

**Elevation (m):**  
225

**Longitude (+/-, E/W):**  
-88.2227

**Latitude (+/-, N/S):**  
41.8593

**Instruments**

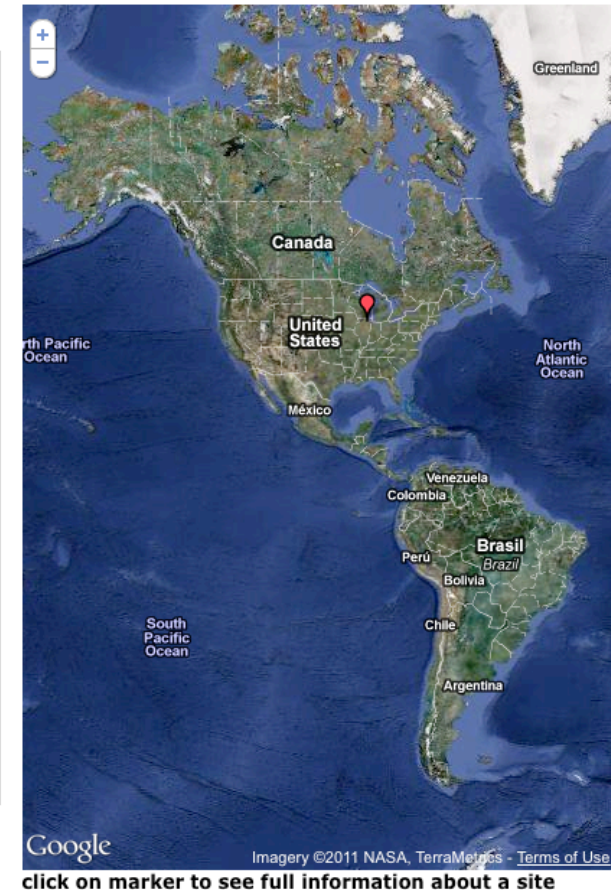
Instrument: Ceptometer; Brand: AccuPAR; Model: PAR-80  
Instrument: Tipping Bucket Rain Gauge; Brand: Belfort; Model: OMC-212  
Instrument: Radiometer; Brand: Cropscan; Model: MSR87  
Instrument: 3-D Sonic Anemometer; Brand: Gill; Model: Windmaster Pro  
Instrument: Quantum Sensor; Brand: LI-COR; Model: LI-190SA  
Instrument: Open Path CO2/H2O Gas Analyzer; Brand: LI-COR; Model: LI-7500  
Instrument: Barometric Pressure Sensor; Brand: Met One; Model: 712n

Meteorological variables	Biological variables
<input type="checkbox"/> AdvtFC* <input checked="" type="checkbox"/> APAR	<input checked="" type="checkbox"/> APARpct <input type="checkbox"/> CO*
<input checked="" type="checkbox"/> CO2 <input type="checkbox"/> CO2den*	<input type="checkbox"/> DryAirDen* <input type="checkbox"/> DVO3*
<input checked="" type="checkbox"/> FC <input type="checkbox"/> FG	<input checked="" type="checkbox"/> FH2O* <input type="checkbox"/> FNOy*
<input type="checkbox"/> FO3* <input type="checkbox"/> GC*	<input type="checkbox"/> GEP <input type="checkbox"/> GPP*
<input checked="" type="checkbox"/> H <input type="checkbox"/> H2O	<input type="checkbox"/> H2Oden* <input type="checkbox"/> L*
<input type="checkbox"/> LE <input type="checkbox"/> Leafwetness*	<input type="checkbox"/> NEE <input type="checkbox"/> NOy*
<input type="checkbox"/> O3* <input checked="" type="checkbox"/> PAR	<input type="checkbox"/> PARdif <input type="checkbox"/> PARdir*
<input type="checkbox"/> PARout <input type="checkbox"/> PREC	<input type="checkbox"/> PRECcum* <input type="checkbox"/> PRESS
<input type="checkbox"/> RE <input type="checkbox"/> Rg	<input type="checkbox"/> Rgdif <input type="checkbox"/> Rgdir*
<input type="checkbox"/> Rgl <input type="checkbox"/> RglOut	<input type="checkbox"/> RgNIR* <input type="checkbox"/> RgNIROut*
<input type="checkbox"/> RgOut <input type="checkbox"/> RgRed*	<input type="checkbox"/> RgRedOut* <input type="checkbox"/> RH
<input type="checkbox"/> Rn <input type="checkbox"/> RS*	<input type="checkbox"/> SFC <input type="checkbox"/> SFG*
<input type="checkbox"/> SFH2O* <input type="checkbox"/> SH	<input type="checkbox"/> SHbio* <input type="checkbox"/> SHbole*
<input type="checkbox"/> SHleaf* <input type="checkbox"/> SLE	<input type="checkbox"/> SNOWdepth* <input type="checkbox"/> SVP*
<input type="checkbox"/> SWC <input type="checkbox"/> SWCdepth*	<input type="checkbox"/> SWP* <input type="checkbox"/> TA
<input type="checkbox"/> TAdb* <input type="checkbox"/> TAmx*	<input type="checkbox"/> TAmn* <input type="checkbox"/> TAU*
<input type="checkbox"/> TAwb* <input type="checkbox"/> Tbole*	<input type="checkbox"/> Tdew* <input type="checkbox"/> Tleaf*
<input type="checkbox"/> TS <input type="checkbox"/> TSdepth*	<input type="checkbox"/> Tskin* <input type="checkbox"/> Tsky*
<input type="checkbox"/> Tsnw* <input type="checkbox"/> Tsonic*	<input type="checkbox"/> Ubar* <input type="checkbox"/> UST
<input type="checkbox"/> VPD <input type="checkbox"/> WATERdepth*	<input type="checkbox"/> WD <input type="checkbox"/> WetAirDen*
<input type="checkbox"/> WS <input type="checkbox"/> ZEC*	<input type="checkbox"/> ZL

\*not available in L2st, L3 and L4 files

**Data Products**

Full datasets for selected site(s) are available at:  
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[Level 2 standardized files - ASCII \(\\*.csv\) and netCDF \(\\*.nc\)](#)  
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[Level 4 files](#)  
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# AmeriFlux Site and Data Exploration System

## Primary Site Information

### Site name:

Fermi Agricultural / US-IB1

### Primary Investigator(s):

Matamala, Roser

Country: USA  
State/Province: Illinois, IL

### Measurement status:

Active, core measurements presently being made

### Data availability status:

Data available

### Types of available data products:

L2 ☒ L2st ☐ L3 ☐ L4 ☐ Bio data ☐

### Date available (mm/dd/yyyy):

From 03/28/2005 To 10/31/2009

### Vegetation (IGBP):

Croplands

### Elevation (m):

225

### Longitude (+/-, E/W):

-88.2227

### Latitude (+/-, N/S):

41.8593

### Instruments

Instrument: Ceptometer; Brand: AccuPAR; Model: PAR-

Instrument: Tipping Bucket Rain Gauge; Brand: Belfort; Model: OMC-212

Instrument: Radiometer; Brand: Cropscan; Model: MSR

Instrument: 3-D Sonic Anemometer; Brand: Gill; Model: Windmaster Pro

Instrument: Quantum Sensor; Brand: LI-COR; Model: LI-190SA

Instrument: Open Path CO2/H2O Gas Analyzer; Brand: LI-COR; Model: LI-7500

Instrument: Barometric Pressure Sensor; Brand: Met One; Model: 7170

## Meteorological variables

## AmeriFlux Data Extraction

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First name: Misha  
Last name: Krassovski  
Affiliation: ORNL  
Email: krassovskimb@ornl.gov

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## Data Products

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[Level 2 standardized files - ASCII \(\\*.csv\) and netCDF \(\\*.nc\)](#)  
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# AmeriFlux Site and Data Exploration System

### Primary Site Information

**Site name:**  
Fermi Agricultural / US-IB1

**Primary Investigator(s):**  
Matamala, Roser

**Country:** USA **State/Province:** Illinois, IL

**Measurement status:**  
Active, core measurements presently being made

**Data availability status:**  
Data available

**Types of available data products:**  
L2 ☒ L2st ☐ L3 ☐ L4 ☐ Bio data ☐

**Date available (mm/dd/yyyy):**  
From 03/28/2005 To 10/31/2009

**Vegetation (IGBP):**  
Croplands

**Elevation (m):**  
225

**Longitude (+/-, E/W):**  
-88.2227

**Latitude (+/-, N/S):**  
41.8593

### Instruments

Instrument: Ceptometer; Brand: AccuPAR; Model: PAR-80  
Instrument: Tipping Bucket Rain Gauge; Brand: Belfort; Model: OMC-212  
Instrument: Radiometer; Brand: Cropscan; Model: MSR87  
Instrument: 3-D Sonic Anemometer; Brand: Gill; Model: Windmaster Pro  
Instrument: Quantum Sensor; Brand: LI-COR; Model: LI-190SA  
Instrument: Open Path CO2/H2O Gas Analyzer; Brand: LI-COR; Model: LI-7500  
Instrument: Barometric Pressure Sensor; Brand: Met One; Model: 7170

### Meteorological variables

☐ AduEC\* ☒ ADAP ☒ ADAPnet ☐ CO\*

### Biological variables

☐ SWC ☐ SWCdepth\* ☐ SWP\* ☐ TA  
☐ TAdb\* ☐ TAmx\* ☐ TAmin\* ☐ TAU\*  
☐ TAwb\* ☐ Tbole\* ☐ Tdew\* ☐ Tleaf\*  
☐ TS ☐ TSdepth\* ☐ Tskin\* ☐ Tsky\*  
☐ Tsnow\* ☐ Tsonic\* ☐ Ubar\* ☐ UST  
☐ VPD ☐ WATERdepth\* ☐ WD ☐ WetAirDen\*  
☐ WS ☐ ZEC\* ☐ ZL


\*not available in L2st, L3 and L4 files

### Data Products

Full datasets for selected site(s) are available at:  
[Level 2 files](#)  
[Level 2 standardized files - ASCII \(\\*.csv\) and netCDF \(\\*.nc\)](#)  
[Level 3 files](#)  
[Level 4 files](#)  
[Biological data](#)

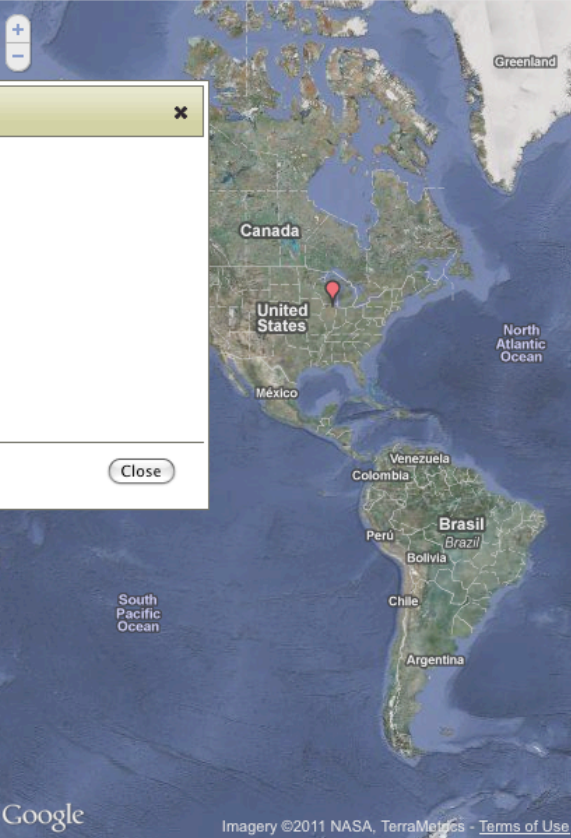
### AmeriFlux Data Extraction

**Your file is ready:**

  
**Download**

Filesize: 1.908 MB  
(12.417127847672 sec.)  
Prep. time: 0.097427845001221  
Query time: 8.7500638961792  
File creation: 1.4813661575317

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# AmeriFlux Site and Data Exploration System

### Primary Site Information

**Site name:**  
All Sites

**Primary Investigator(s):**  
All PIs

**Country:** USA **State/Province:** All States/Provinces

**Measurement status:**  
Active, core measurements presently being made

**Data availability status:**  
Data available

**Types of available data products:**  
L2 ☒ L2st ☐ L3 ☐ L4 ☒ Bio data ☒

**Date available (mm/dd/yyyy):**  
From 01/01/1999 To 06/23/2010

**Vegetation (IGBP):**  
Deciduous broadleaf forest

**Elevation (m):**  
From 0 To 3190

**Longitude (+/-, E/W):**  
From -157.4089 To -54.9589

**Latitude (+/-, N/S):**  
From -3.018 To 71.3225

**Instruments**  
Instrumentation: All instruments  
Brand: All brands  
Model: All models

### Meteorological variables

☒ CO2 ☐ CO2den\* ☐ APAR ☐ APARpct ☐ CO\*

☐ H2O ☐ FG ☐ DryAirDen\* ☐ DVO3\*

☐ FO3\* ☐ GC\* ☐ GEH\* ☐ FNOy\*

☐ H ☐ H2O ☐ H2Oden\* ☐ L\*

☐ LE ☐ Leafwetness\* ☐ NEE ☐ NOy\*

☐ O3\* ☐ PAR ☐ PARdif ☐ PARdir\*

☐ PARout ☐ PREC ☐ PREccum\* ☐ PRESS

☐ RE ☐ Rg ☐ Rgdif ☐ Rgdir\*

☐ Rgl ☐ RglOut ☐ RgNIR\* ☒ RgNIROut\*

☐ RgOut ☐ RgRed\* ☐ RgRedOut\* ☒ RH

☐ Rn ☐ RS\* ☐ SFC ☐ SFCg

☐ SFH2O\* ☐ SH ☐ SHbio\* ☐ SHbole\*

☐ SHleaf\* ☐ SLE ☐ SNOWdepth\* ☐ SVP\*

☐ SWC ☐ SWCdepth\* ☐ SWP\* ☐ TA

☐ TAdb\* ☐ TAmx\* ☐ TAmin\* ☐ TAU\*

☐ TAwb\* ☐ Tbole\* ☐ Tdew\* ☐ Tleaf\*

☐ TS ☐ TSdepth\* ☐ Tskin\* ☐ Tsky\*

☐ Tsnw\* ☐ Tsonic\* ☐ Ubar\* ☐ UST

☐ VPD ☐ WATERdepth\* ☐ WD ☐ WetAirDen\*

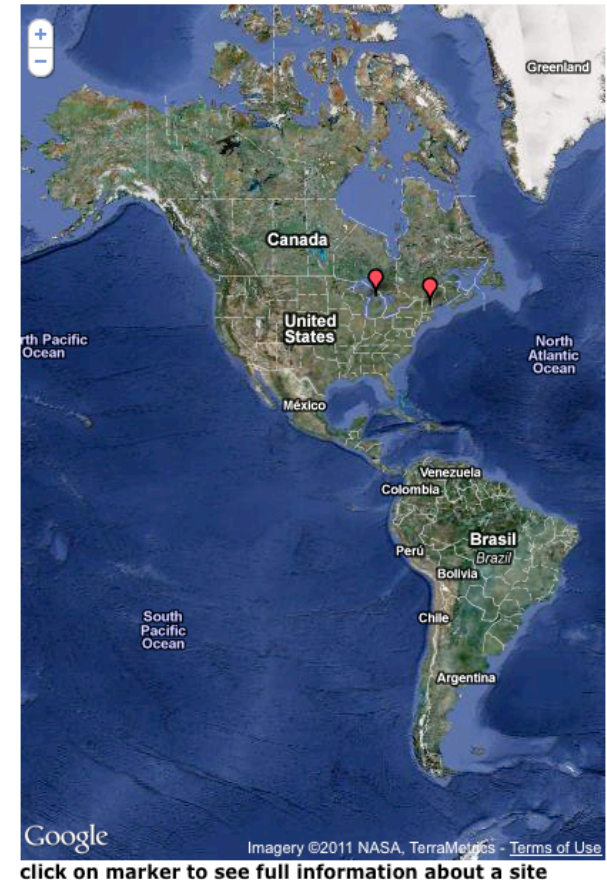
☐ WS ☐ ZEC\* ☐ ZL

\*not available in L2st, L3 and L4 files

### Data Products

Full datasets for selected site(s) are available at:  
[Bartlett Experimental Forest L2](#)  
[Bartlett Experimental Forest L4](#)  
[Bartlett Experimental Forest Biological data](#)  
[UMBS L2](#)  
[UMBS L4](#)  
[UMBS Biological data](#)

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# AmeriFlux Site and Data Exploration System

**Primary Site Information**

**Site name:**  
All Sites

**Primary Investigator(s):**  
All PIs

**Country:** USA **State/Province:** All States/Provinces

**Measurement status:**  
Active, core measurements presently being made

**Data availability status:**  
Data available

**Types of available data products:**  
L2 ☒ L2s ☐ L3 ☐ L4 ☐ Bio data ☐

**Date available (mm/dd/yyyy):**  
From 01/01/1999 To 06/23/2010

**Vegetation (IGBP):**  
Deciduous broadleaf forest

**Elevation (m):**  
From 0 To 3190

**Longitude (+/-, E/W):**  
From -157.4089 To -54.9589

**Latitude (+/-, N/S):**  
From -3.018 To 71.3225

**Instruments**

**Instrumentation:** All instruments

**Brand:** All brands

**Model:** All models

**Meteorological variables**

☐ AdvtFC\* ☐ APAR ☐ APARpct ☐ CO\*

☒ CO2 ☐ CO2den\* ☐ DryAirDen\* ☐ DVO3\*

☐ FC ☐ FG ☐ FH2O\* ☐ FNOy\*

☐ FO3\* ☐ GC\* ☐ GEP ☐ GPP\*

☐ H ☐ H2O ☐ H2Oden\* ☐ L\*

☐ LE ☐ Leafwetness\* ☐ NEE ☐ NOy\*

☐ O3\* ☐ PAR ☐ PARdif ☐ PARdir\*

☐ PARout ☐ PREC ☐ PRECcum\* ☐ PRESS

☐ RE ☐ Rg ☐ Rgdif ☐ Rgdir\*

☐ Rgl ☐ RglOut ☐ RgNIR\* ☐ RgNIROut\*

☐ RgOut ☐ RgRed\* ☐ RgRedOut\* ☒ RH

☐ Rn ☐ RS\* ☐ SFC ☐ SFG\*

☐ SFH2O\* ☐ SH ☐ SHbio\* ☐ SHbole\*

☐ SHleaf\* ☐ SLE ☐ SNOWdepth\* ☐ SVP\*

☐ SWC ☐ SWCdepth\* ☐ SWP\* ☐ TA

☐ TAdb\* ☐ TAmx\* ☐ TAmin\* ☐ TAU\*

☐ TAwb\* ☐ Tbole\* ☐ Tdew\* ☐ Tleaf\*

☐ TS ☐ TSdepth\* ☐ Tskin\* ☐ Tsky\*

☐ Tsnow\* ☐ Tsonic\* ☐ Ubar\* ☐ UST

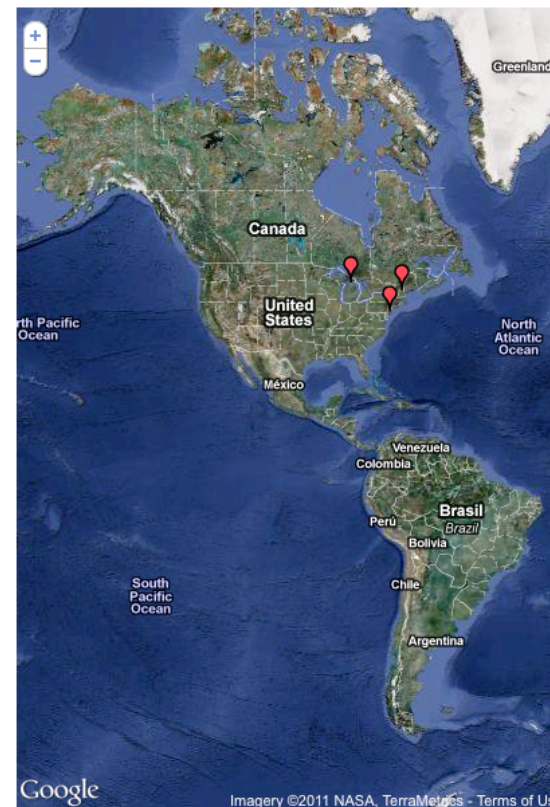
☐ VPD ☐ WATERdepth\* ☐ WD ☐ WetAirDen\*

☐ WS ☐ ZEC\* ☐ ZL

\*not available in L2st, L3 and L4 files

**Data Products**

Full datasets for selected site(s) are available at:  
[Bartlett Experimental Forest L2](#)  
[Silas Little Experimental Forest L2](#)  
[UMBS L2](#)



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# AmeriFlux Site and Data Exploration System

## Primary Site Information

### Site name:

All Sites

### Primary Investigator(s):

All PIs

### Country:

USA

### State/Province:

All States/Provinces

### Measurement status:

Active, core measurements presently being made

### Data availability status:

Data available

### Types of available data products:

L2 ☒ L2st ☐ L3 ☐ L4 ☐ Bio data ☐

### Date available (mm/dd/yyyy):

From 01/01/1999 To 06/23/2010

### Vegetation (IGBP):

Deciduous broadleaf forest

### Elevation (m):

From 0 To 3190

### Longitude (+/-, E/W):

From -157.4089 To -54.9589

### Latitude (+/-, N/S):

From -3.018 To 71.3225

## Instruments

### Instrumentation

All instruments

### Brand

All brands

### Model

All models

## Meteorological variables

☐ AdvtFC\* ☐ APAR

## Biological variables

☐ APARpct ☐ CO\*

## AmeriFlux Data Extraction

The AmeriFlux data you are about to download are available without cost and were furnished by individual AmeriFlux scientists who encourage their use. Users are requested to inform the appropriate AmeriFlux scientist or scientists of your plans for usage or publication. Once you have made your data selections, our data system will provide an opportunity to send an e-mail to the investigators immediately with the appropriate e-mail addresses provided for you. In addition, the AmeriFlux scientists will be notified by our system through e-mail that you have downloaded data from their site(s). Failure to notify AmeriFlux data contributors may result in a loss of access privileges to the AmeriFlux data repository at the Carbon Dioxide Information Analysis Center (CDIAC). Once you have contacted the AmeriFlux scientists, we expect you will acknowledge the data source as a citation or in the acknowledgments if the data are not yet published. If the AmeriFlux Principal Investigators feel that they should be acknowledged or offered participation as authors, they will let you know and we assume that an agreement on such matters will be reached before publishing and/or use of the data for publication. If your work directly competes with the Principal Investigators analysis they may ask that they have the opportunity to submit a manuscript before you submit one that uses unpublished data. In addition, when publishing, please acknowledge the agency that supported the research.

First name: Misha

Last name: Krassovski

Affiliation: ORNL

Email: krassovskimb@ornl.gov

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## Full datasets for selected site(s) are available at:

[Bartlett Experimental Forest L2](#)  
[Silas Little Experimental Forest L2](#)  
[UMBS L2](#)

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# AmeriFlux Site and Data Exploration System

Primary Site Information

Site name:

All Sites

Primary Investigator(s):

All PIs

Country:

USA

State/Province:

All States/Provinces

Measurement status:

Active, core measurements presently being made

Data availability status:

Data available

Types of available data products:

L2 ☒ L2st ☐ L3 ☐ L4 ☐ Bio data ☐

Date available (mm/dd/yyyy):

From 01/01/1999 To 06/23/2010

Vegetation (IGBP):

Deciduous broadleaf forest

Elevation (m):

From 0 To 3190

Longitude (+/-, E/W):

From -157.4089 To -54.9589

Latitude (+/-, N/S):

From -3.018 To 71.3225

Instruments

Instrumentation

All instruments

Brand

All brands

Model

All models

Meteorological variables

AdvtFC\*

APAR

APARpct

CO\*

Biological variables

AmeriFlux Data Extraction

Please verify sites that you want to include into the dataset:

☒ Bartlett Experimental Forest

☐ Silas Little Experimental Forest

☒ UMBS

\*If you need all data (all variables, all dates) please use precompiled datasets using links in Data Products section below

Create dataset

Cancel

Full datasets for selected site(s) are available at:

[Bartlett Experimental Forest L2](#)  
[Silas Little Experimental Forest L2](#)  
[UMBS L2](#)

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Show sites

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Reset

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OAK  
RIDGE  
National Laboratory

# AmeriFlux Site and Data Exploration System

Primary Site Information

Site name:

All Sites

Primary Investigator(s):

All PIs

Country:

USA

State/Province:

All States/Provinces

Measurement status:

Active, core measurements presently being made

Data availability status:

Data available

Types of available data products:

L2 ☒ L2st ☐ L3 ☐ L4 ☐ Bio data ☐

Date available (mm/dd/yyyy):

From 01/01/1999 To 06/23/2010

Vegetation (IGBP):

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From -3.018 To 71.3225

Instruments

Instrumentation

All instruments

Brand

All brands

Model

All models

Meteorological variables

☐ AdvtFC\* ☐ APAR ☐ APARpct ☐ CO\*

Biological variables


☐ SWC ☐ SWCdepth\* ☐ SWP\* ☐ TA  
☐ TAdb\* ☐ TAmx\* ☐ TAmin\* ☐ TAU\*  
☐ TAwb\* ☐ Tbole\* ☐ Tdew\* ☐ Tleaf\*  
☐ TS ☐ TSdepth\* ☐ Tskin\* ☐ Tsky\*  
☐ Tsnow\* ☐ Tsonic\* ☐ Ubar\* ☐ UST  
☐ VPD ☐ WATERdepth\* ☐ WD ☐ WetAirDen\*  
☐ WS ☐ ZEC\* ☐ ZL  
\*not available in L2st, L3 and L4 files

Data Products

Full datasets for selected site(s) are available at:  
[Bartlett Experimental Forest L2](#)  
[Silas Little Experimental Forest L2](#)  
[UMBS L2](#)

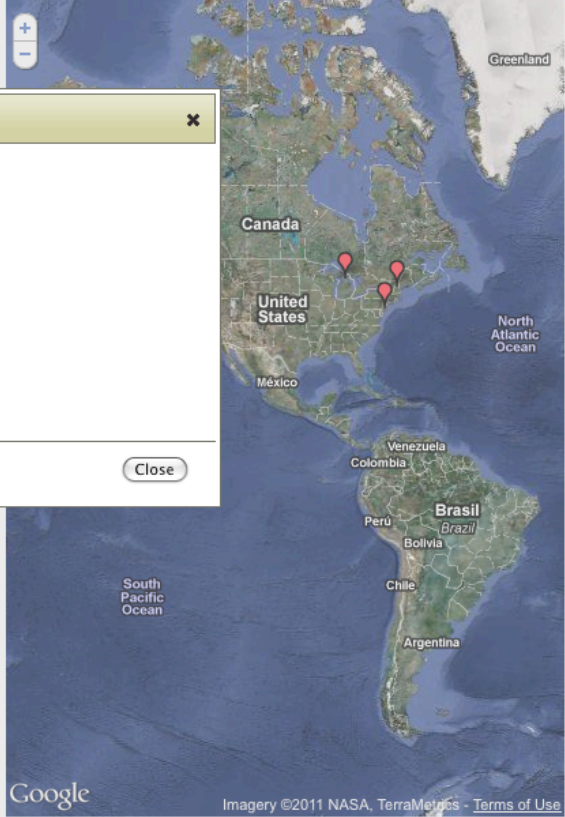
AmeriFlux Data Extraction

Your file is ready:

  
[Download](#)

Filesize: 2.305 MB  
(10.071363925934 sec.)  
Prep. time: 0.10089898109436  
Query time: 6.2932732105255  
File creation: 0.94867992401123

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**Thank you!**