

Data 2

ACME Data

Ground-based

Name	Status	Short Description	Spatial Characteristics	Temporal Characteristics	Attribution	Contact	Download Location
ISFF	pending					S.Oncley	Data and Info
Hydra	ongoing	mean co2 near Pine Tower	vertical, 1-30m; Horiz ~200m, Pine to Como Creek	each inlet sampled approx once every 1/2-hr	version 2.0 (15 Mar 2005)	sean@ucar.edu S.Burns	ASCII Data
CU Tower	ongoing	mean co2 near CU Tower	vertical, 0.5-21.5m	each inlet sampled approx once every 6-minutes	version 1.0 (13 Jul 2005)	sean.burns@colorado.edu S. Burns	ASCII Data
AIRCOA	ongoing					B.Stephens	Plots of Data and Diagnostics Unit A at Willow Measured Data Unit A at Willow Interpolated Data Unit B at Aspen Measured Data Unit B at Aspen Measured Data
CU Flux Tower	final	1/2-Hr Mean Data from the CU Tower	26m Tower	1 Nov 1998 to 31 Dec 2004		sean.burns@colorado.edu S. Burns	ASCII Data
CU Flux Tower	final	5-min Data from the CU Tower	26m Tower	1 Jan to 31 Dec 2004		sean.burns@colorado.edu S. Burns	NetCDF and ASCII Data
USGS	pending					S.Burns, D.Anderson	
SF6	pending						
13C	pending						
CMDL NWR Flasks	pending						

- [Ground-based Operations](#) page describes the operation and measurements of the ISFF, HYDRA, and AIRCOA instruments, tower locations, site visits, and intercomparison runs.

Name	Status	Short Description	Spatial Characteristics	Temporal Characteristics	Attribution	Contact	Download Location
SIPNET flux breakdown	Final	Modeled NEE and ET, and estimated breakdown of CU tower-based NEE fluxes into GPP, RA and RH	Single point (tower footprint)	Twice-daily (day & night), 11 /98 - 12/04	B. Sacks	B. Sacks	ACME swiki
SIPNET mean fluxes	Final	Posterior means and standard deviations of optimized fluxes, using SIPNET model	Single point (tower footprint)	Twice-daily (day & night), 11 /98 - 12/04	B. Sacks	B. Sacks	ACME swiki

Airborne

Name	Status	Short Description	Spatial Characteristics	Temporal Characteristics	Attribution	Contact	Download Location
RF01 Low-rate flight-level data	Final	RF01 Low-rate flight-level data from the NCAR/NSF C-130 platform during ACME	defined by ACME C-130 RF01 flight	1 Hz; 05/14/2004 12:48:04 16:34:12	NCAR RAF	Ron Ruth	ATD RAF data access
RF02 Low-rate flight-level data	Final	RF02 Low-rate flight-level data from the NCAR/NSF C-130 platform during ACME	defined by ACME C-130 RF02 flight	1 Hz; 05/14/2004 19:39:04 20:30:55	NCAR RAF	Ron Ruth	ATD RAF data access
RF03 Low-rate flight-level data	Final	RF03 Low-rate flight-level data from the NCAR/NSF C-130 platform during ACME	defined by ACME C-130 RF03 flight	1 Hz; 05/20/2004 12:23:24 16:14:23	NCAR RAF	Ron Ruth	ATD RAF data access
RF04 Low-rate flight-level data	Final	RF04 Low-rate flight-level data from the NCAR/NSF C-130 platform during ACME	defined by ACME C-130 RF04 flight	1 Hz; 05/20/2004 18:58:21 20:41:30	NCAR RAF	Ron Ruth	ATD RAF data access
RF05 Low-rate flight-level data	Final	RF05 Low-rate flight-level data from the NCAR/NSF C-130 platform during ACME	defined by ACME C-130 RF05 flight	1 Hz; 05/27/2004 12:23:04 16:12:12	NCAR RAF	Ron Ruth	ATD RAF data access
RF06 Low-rate flight-level data	Final	RF06 Low-rate flight-level data from the NCAR/NSF C-130 platform during ACME	defined by ACME C-130 RF06 flight	1 Hz; 05/28/2004 19:54:14 22:13:35	NCAR RAF	Ron Ruth	ATD RAF data access
RF07 Low-rate flight-level data	Final	RF07 Low-rate flight-level data from the NCAR/NSF C-130 platform during ACME	defined by ACME C-130 RF07 flight	1 Hz; 07/12/2004 12:25:19 16:02:25	NCAR RAF	Ron Ruth	ATD RAF data access
RF08 Low-rate flight-level data	final	RF08 Low-rate flight-level data from the NCAR/NSF C-130 platform during ACME	defined by ACME C-130 RF08 flight	1 Hz; 07/12/2004 19:28:34 22:05:00	NCAR RAF	Ron Ruth	ATD RAF data access
RF09 Low-rate flight-level data	Final	RF09 Low-rate flight-level data from the NCAR/NSF C-130 platform during ACME	defined by ACME C-130 RF09 flight	1 Hz; 07/20/2004 12:23:24 15:56:07	NCAR RAF	Ron Ruth	ATD RAF data access
RF10 Low-rate flight-level data	Final	RF10 Low-rate flight-level data from the NCAR/NSF C-130 platform during ACME	defined by ACME C-130 RF10 flight	1 Hz; 07/20/2004 19:28:24 22:00:00	NCAR RAF	Ron Ruth	ATD RAF data access
RF11 Low-rate flight-level data	Final	RF11 Low-rate flight-level data from the NCAR/NSF C-130 platform during ACME	defined by ACME C-130 RF11 flight	1 Hz; 07/22/2004 12:31:34 16:16:36	NCAR RAF	Ron Ruth	ATD RAF data access
RF12 Low-rate flight-level data	Final	RF12 Low-rate flight-level data from the NCAR/NSF C-130 platform during ACME	defined by ACME C-130 RF12 flight	1 Hz; 07/26/2004 12:33:14 15:55:45	NCAR RAF	Ron Ruth	ATD RAF data access
RF13 Low-rate flight-level data	Final	RF13 Low-rate flight-level data from the NCAR/NSF C-130 platform during ACME	defined by ACME C-130 RF13 flight	1 Hz; 07/26/2004 19:23:09 21:41:05	NCAR RAF	Ron Ruth	ATD RAF data access
RF14 Low-rate flight-level data	Final	RF14 Low-rate flight-level data from the NCAR/NSF C-130 platform during ACME	defined by ACME C-130 RF14 flight	1 Hz; 07/29/2004 12:42:34 18:07:55	NCAR RAF	Ron Ruth	ATD RAF data access

RF15 Utah Flask samples	Draft	Measurements include CO ₂ concentration, carbon isotopes and oxygen isotopes of atmospheric CO ₂	defined by ACME C-130 RF15 flight	defined by ACME C-130 RF15 flight	The Ehleringer Lab (SIRFER) at the University of Utah	Chun-Ta Lai	flask data
RF16 Utah Flask samples	Draft	Measurements include CO ₂ concentration, carbon isotopes and oxygen isotopes of atmospheric CO ₂	defined by ACME C-130 RF16 flight	defined by ACME C-130 RF16 flight	The Ehleringer Lab (SIRFER) at the University of Utah	Chun-Ta Lai	flask data

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RF01 SIO Flask samples	Draft	Measurements include CO ₂ concentration and ¹⁴C of atmospheric CO ₂	defined by ACME C-130 RF01 flight	fill times defined by XSIO1 variable in RAF data	Scripps Institution of Oceanography	Heather Graven	pending
RF02 SIO Flask samples	Draft	Measurements include CO ₂ concentration and ¹⁴C of atmospheric CO ₂	defined by ACME C-130 RF02 flight	fill times defined by XSIO1 variable in RAF data	Scripps Institution of Oceanography	Heather Graven	pending
RF03 SIO Flask samples	Draft	Measurements include CO ₂ concentration and ¹⁴C of atmospheric CO ₂	defined by ACME C-130 RF03 flight	fill times defined by XSIO1 variable in RAF data	Scripps Institution of Oceanography	Heather Graven	pending
RF04 SIO Flask samples	Draft	Measurements include CO ₂ concentration and ¹⁴C of atmospheric CO ₂	defined by ACME C-130 RF04 flight	fill times defined by XSIO1 variable in RAF data	Scripps Institution of Oceanography	Heather Graven	pending
RF06 SIO Flask samples	Draft	Measurements include CO ₂ concentration and ¹⁴C of atmospheric CO ₂	defined by ACME C-130 RF06 flight	fill times defined by XSIO1 variable in RAF data	Scripps Institution of Oceanography	Heather Graven	pending
RF09 SIO Flask samples	Draft	Measurements include CO ₂ concentration and ¹⁴C of atmospheric CO ₂	defined by ACME C-130 RF09 flight	fill times defined by XSIO1 variable in RAF data	Scripps Institution of Oceanography	Heather Graven	pending
RF10 SIO Flask samples	Draft	Measurements include CO ₂ concentration and ¹⁴C of atmospheric CO ₂	defined by ACME C-130 RF10 flight	fill times defined by XSIO1 variable in RAF data	Scripps Institution of Oceanography	Heather Graven	pending
RF11 SIO Flask samples	Draft	Measurements include CO ₂ concentration and ¹⁴C of atmospheric CO ₂	defined by ACME C-130 RF11 flight	fill times defined by XSIO1 variable in RAF data	Scripps Institution of Oceanography	Heather Graven	pending
RF12 SIO Flask samples	Draft	Measurements include CO ₂ concentration and ¹⁴C of atmospheric CO ₂	defined by ACME C-130 RF12 flight	fill times defined by XSIO1 variable in RAF data	Scripps Institution of Oceanography	Heather Graven	pending
RF13 SIO Flask samples	Draft	Measurements include CO ₂ concentration and ¹⁴C of atmospheric CO ₂	defined by ACME C-130 RF13 flight	fill times defined by XSIO1 variable in RAF data	Scripps Institution of Oceanography	Heather Graven	pending

Name	Status	Short Description	Spatial Characteristics	Temporal Characteristics	Attribution	Contact	Download Location
RF03 CMDL Flask samples	Draft	Measurements include CO ₂ , CO, CH ₄ , N ₂ O, SF ₆ , and H ₂ concentration	defined by ACME C-130 RF03 flight	compressor 'on' times defined by XCMDL1 variable in RAF data	RAF and NOAA CMDL	Britt Stephens	2004-05-20.mrg
RF04 CMDL Flask samples	Draft	Measurements include CO ₂ , CO, CH ₄ , N ₂ O, SF ₆ , and H ₂ concentration	defined by ACME C-130 RF04 flight	compressor 'on' times defined by XCMDL1 variable in RAF data	RAF and NOAA CMDL	Britt Stephens	2004-05-20.mrg
RF06 CMDL Flask samples	Draft	Measurements include CO ₂ , CO, CH ₄ , N ₂ O, SF ₆ , and H ₂ concentration	defined by ACME C-130 RF06 flight	compressor 'on' times defined by XCMDL1 variable in RAF data	RAF and NOAA CMDL	Britt Stephens	2004-05-28.mrg

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CMDL CARR Cessna flights	pending						

Name	Status	Short Description	Spatial Characteristics	Temporal Characteristics	Attribution	Contact	Download Location
C130 Down-looking Digital Camera							RAF Down-looking Digital Camera Photo Catalog

Satellite

Name	Status	Short Description	Spatial Characteristics	Temporal Characteristics	Attribution	Contact	Download Location
MODIS GPP	final	GPP produced for ACME/IDS by S.Running	state of CO; 1 km	daily from 3/31/04-8/31/04	S. Running	J. Hicke, T. Riley, S. Running	email contact
MODIS NPP	final	annual NPP	global; 1 km	2000-2004	S. Running	J. Hicke	email contact
MODIS surface reflectances	final	surface reflectances in multiple wavelength bands	global; 500 m	annual; 2000-2004	MODIS team	J. Hicke	email contact
MODIS NDVI	final	NDVI	global; 250 m	8-day; 2004-2004	MODIS team	J. Hicke	email contact
ASTER reflectances	final	surface reflectances in multiple wavelength bands	very local in CO; 15-30 m	8/15/04 (possibly others)	ASTER team	J. Hicke	email contact
Landsat reflectances	final	surface reflectances in multiple wavelength bands	CO; 15-30 m	2002 and previous		J. Hicke	email contact
forest biomass from inventory	in process	forest C stocks for CO by species, stand age, etc.	plot-level and county-level	1983,2000	J. Hicke	J. Hicke	email contact
FPAR	pending						
LAI	pending						
PSNNet_daily	pending						
SOGS Prcp_daily	pending						
SOGS Srad_daily	pending						
SOGS Tmax_daily	pending						
SOGS Tmin_daily	pending						
SOGS Vpd_daily	pending						

GIS Resources

Name	Status	Short Description	Spatial Characteristics	Temporal Characteristics	Attribution	Contact	Download Location
DEM	available	Digital elevation model, state of Colorado	entire state, 1 km resolution	NA		J. Boehnert	email contact
Hill slope	available	hill slope, state of Colorado	entire state, 1 km resolution	NA		J. Boehnert	email contact
Aspect	available	Aspect, state of Colorado	entire state, 1 km resolution	NA		J. Boehnert	email contact
Elevation zones	available	Elevation zones, state of Colorado	entire state, 1 km resolution	NA		J. Boehnert	email contact
Counties	available	County boundaries, state of Colorado	entire state, 1 km	NA		J. Boehnert	email contact
State boundaries	available	State boundaries, state of Colorado	entire state	NA		J. Boehnert	email contact
Land cover	available	Land cover, state of Colorado	entire state, 1 km resolution	NA		J. Boehnert	email contact
Soils	pending	STASGO soils, state of Colorado	entire state	NA		J. Boehnert	email contact
Flight maps/GPP	available	ACME 2004, MODIS GPP Maps, with hillshade (JPEG format)	project area	flight day	J. Hicke	J. Hicke	flight tracks modis gpp maps hillshade.tar
Flight maps/GPP	available	ACME 2004, MODIS GPP Maps, without hillshade (JPEG format)	project area	flight day	J. Hicke	J. Hicke	flight tracks modis gpp maps nohillshade.tar
Flight track shapefiles	available	ARC shapefiles of ACME flight tracks	project area	flight day	J. Hicke	J. Hicke	acme flight tracks shapefiles.tar.gz

Met Data Archive

Met data archived for the period 14 May 2004 to 3 August 2004

MCR Images: thermal and NDVI

This page last changed on &LastModifiedDate; at &LastModifiedTime;