

Variable	Description	Units						
SITE_ID	Six character site identifier. MANDATORY if site is already registered	CC-Xxx	US-Amp					
SITE_NAME	Site name	free text	AmeriFlux Management Project					
SUBMISSION_CONTACT_NAME	Name of person who submitted this template	free text	Deb Agarwal					
SUBMISSION_CONTACT_EMAIL	E-mail address of the person who submitted this template	free text	daagarwal@lbl.gov					
SUBMISSION_DATE	Date this submission was last edited/modified.	YYYYMMDD	20141002					
TEAM_MEMBER_NAME	Site tower team member name (First Last/Family).	free text	Margaret Torn	Sebastian Biraud	Deb Agarwal			
TEAM_MEMBER_ROLE	Site tower team member role	LIST(Team_ROLE)	PI	FluxContact	DataManager			
TEAM_MEMBER_EMAIL	Site tower team member email	free text	mtorn@lbl.gov	scbiraud@lbl.gov	daagarwal@lbl.gov			
TEAM_MEMBER_INSTITUTION	Site tower team member institution (required for PI only)	free text	Lawrence Berkeley National Laboratory	Lawrence Berkeley National Laboratory	Lawrence Berkeley National Laboratory			
TEAM_MEMBER_ADDRESS	Site tower team member address (not required)	free text	1 Cyclotron Rd, Berkeley CA 94720					
SHIPPING_ADDRESS	Site tower shipping address	free text	1 Cyclotron Rd, Berkeley CA 94720					
NETWORK	Network affiliation(s) of the site.	LIST(NETWORK)	AmeriFlux					
FLUX_MEASUREMENTS_METHOD	Method used to measure the flux variables	LIST(FLUX_METHOD)	Eddy Covariance					
FLUX_MEASUREMENTS_VARIABLE	Flux variable measured	LIST(FLUX_VARIABLE)	CO2	H2O	Eddy Covariance H	Other Aerosols	Chambers CH4	
FLUX_MEASUREMENTS_DATE_START	Date when data collection for the reported flux variable/method started.	YYYYMMDD	20060413		20060413	20060413	20120520	
FLUX_MEASUREMENTS_DATE_END	Date when data collection for the reported flux variable/method ended	YYYYMMDD					20130520	
FLUX_MEASUREMENTS_OPERATIONS	Operational status of flux measurements.	LIST(FLUX_OPERATIONS)	Continuous operation	Continuous operation	Continuous operation	Continuous operation	Planned Trailer on site with particle counters. Expect to install in spring of 2015	
FLUX_MEASUREMENTS_COMMENT	Flux measurements comments	free text						
STATE	State or province	LIST(STATE_PROVINCE)	CA					
SITE_DESC	Short description of the site characteristics and history	free text	This (hypothetical) tower is located at Lawrence Berkeley Lab, a complex of dozens of buildings constructed over 200 acres in the Berkeley hills beginning in 1940. Unbuilt areas are subject to annual grazing by goats for fire hazard reduction. A multi-year drought began in 2012.					
RESEARCH_TOPIC	Site research topics	free text	Flux data processing, instrument QA/QC					
SITE_FUNDING	Site funding agencies/institutions (one column only)	free text	DOE BER					
LOCATION_LAT	Latitude of the site.	decimal deg ref WGS84	37.8765					37.8762
LOCATION_LONG	Longitude of the site	decimal deg ref WGS84	-122.2536					-122.2531
LOCATION_ELEV	Elevation of the site above sea level	m	710					680
LOCATION_DATE_START	Begin date of the location information	YYYYMMDD			20141001			
LOCATION_COMMENT	Location information comments	free text	The (hypothetical) tower was moved to this new, nearby location on 20141001. The footprints largely overlap.					
IGBP	Vegetation type based on the IGBP definition.	LIST(IGBP)	URB					
IGBP_DATE_START	Date when this vegetation type first applied	YYYYMMDD						
IGBP_COMMENT	Vegetation type comments	free text						
LAND_OWNERSHIP	Land ownership type	LIST(LAND_OWNERSHIP)	public					
LAND_OWNER	Land owner	free text	UC Regents					
URL	Tower web site URL (maintained by tower team)	URL	http://ameriflux.lbl.gov					
REFERENCE_PAPER	Papers relevant for understanding the site	free text	D. Agarwal, M. Humphrey, N. Beekwilder, K. Jackson, M. Goode, and C. van Ingen. A data centered collaboration portal to support global carbon-flux analysis. <i>Concurrency and Computation: Practice and Experience - Successes in Furthering Scientific Discovery</i> , December 2010.					
REFERENCE_DOI	DOI of the reference	free text	10.1002/cpe.1600					
REFERENCE_USAGE	Suggested use of the reference	LIST(REFERENCE_USAGE)	Reference	Background	Primary_Citation			
REFERENCE_COMMENT	Brief description of paper relevance or other comments	free text	Describes the data management infrastructure	Early history of LBNL	Paper not yet written			
ACKNOWLEDGEMENT	Acknowledgement text (88 character limit)	free text	Supported by U.S. DOE, under Contract No. DE-AC02-05CH11231 to LBNL.					
ACKNOWLEDGEMENT_COMMENT	Additional information about the acknowledgement	free text	Acknowledge the AmeriFlux Management Project					
UTC_OFFSET	Offset from UTC of site data	hours	-8					
UTC_OFFSET_DATE_START	Begin date of the UTC offset	YYYYMMDDHHMM						
UTC_OFFSET_COMMENT	Offset from UTC comments	free text						
MAT	Climatological long-term mean annual average air temperature	degrees C	27					

MAP	Climatological long-term mean annual average precipitation	mm	
CLIMATE_KOEPPEIN	Köppen climate classification	LIST(CLIMATE_KOEPPEIN)	Csa
TERRAIN	Slope and/or relief of the site	LIST(TERRAIN)	Significant Slope (>5%, <10%)
ASPECT	Direction the site is facing (Exposure)	LIST(ASPECT)	W
WIND_DIRECTION	Prevailing wind direction	LIST(DIR)	W
SURFACE_HOMOGENEITY	Distance for which the ecosystem is homogeneous in the prevailing wind direction.	m	
SITE_SNOW_COVER_DAYS	Days per year that the site is covered by snow	days	
DOM_DIST_MGMT	Recent and historic disturbance and management events that affect the tower site years of measurement	LIST(DIST_MGMT)	Drought
TOWER_TYPE	Type of physical tower structure used in the site	LIST(TOWER_TYPE)	other
TOWER_POWER	How the eddy covariance system is powered	LIST(TOWER_POWER)	Direct power

457.2

300
0

Grazing

Fire

Land cover change