Variable	Units	Description
TIMEKEEPING		
TIMESTAMP	YYYYMMDDHHMM	ISO timestamp - short format
TIMESTAMP_START	YYYYMMDDHHMM	ISO timestamp start of averaging period - short format
TIMESTAMP_END	YYYYMMDDHHMM	ISO timestamp end of averaging period - short format
MICROMETEOROLOGICAL		
TA_F_MDS		Air temperature, gapfilled using MDS method
HH	deg C	
DD	deg C	average from half-hourly data
WW-YY	deg C	average from daily data
TA_F_MDS_QC		Quality flag for TA_F_MDS
HH	adimensional	0 = measured; 1 = good quality gapfill; 2 = medium; 3 = poor
DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
TA_F_MDS_NIGHT		Average nighttime TA_F_MDS
HH		not produced
DD	deg C	average from half-hourly data
WW-YY	deg C	average from daily data
TA_F_MDS_NIGHT_SD		Standard deviation for TA_F_MDS_NIGHT
HH		not produced
DD	deg C	from half-hourly data
WW-YY	deg C	average SD from daily data
TA_F_MDS_NIGHT_QC		Quality flag for TA_F_MDS_NIGHT
HH		not produced
DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)

TA_F_MDS_DAY		Average daytime TA_F_MDS
HH		not produced
DD	deg C	average from half-hourly data
WW-YY	deg C	average from daily data
TA_F_MDS_DAY_SD		Standard deviation for TA_F_MDS_DAY
HH		not produced
DD	deg C	from half-hourly data
WW-YY	deg C	average SD from daily data
TA_F_MDS_DAY_QC		Quality flag for TA_F_MDS_DAY
HH		not produced
DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
TA_ERA		Air temperature, downscaled from ERA, linearly regressed using measured only site data
HH	deg C	
DD	deg C	average from half-hourly data
WW-YY	deg C	average from daily data
TA_ERA_NIGHT		Average nighttime TA_ERA
HH		not produced
DD	deg C	average from half-hourly data
WW-YY	deg C	average from daily data
TA_ERA_NIGHT_SD		Standard deviation for TA_ERA_NIGHT
HH		not produced
DD	deg C	from half-hourly data
WW-YY	deg C	average SD from daily data
TA_ERA_DAY		Average daytime TA_ERA
HH		not produced
DD	deg C	average from half-hourly data
WW-YY	deg C	average from daily data
TA_ERA_DAY_SD		Standard deviation for TA_ERA_DAY
HH		not produced
DD	deg C	from half-hourly data

	WW-YY	deg C	average SD from daily data
TA_F			Air temperature, consolidated from TA_F_MDS and TA_ERA
	HH	deg C	TA_F_MDS used if TA_F_MDS_QC is 0 or 1
	DD	deg C	average from half-hourly data
	WW-YY	deg C	average from daily data
TA_F_QC			Quality flag for TA_F
	HH	adimensional	0 = measured; 1 = good quality gapfill; 2 = downscaled from ERA
	DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
	WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
TA_F_NIGHT			Average nighttime TA_F
	HH		not produced
	DD	deg C	average from half-hourly data
	WW-YY	deg C	average from daily data
TA_F_NIGHT_SD			Standard deviation for TA_F_NIGHT
	HH		not produced
	DD	deg C	from half-hourly data
	WW-YY	deg C	average SD from daily data
TA_F_NIGHT_QC			Quality flag for TA_F_NIGHT
	HH		not produced
	DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
	WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
TA_F_DAY			Average daytime TA_F
	HH		not produced
	DD	deg C	average from half-hourly data
	WW-YY	deg C	average from daily data
TA_F_DAY_SD			Standard deviation for TA_F_DAY
	HH		not produced
	DD	deg C	from half-hourly data

WW-YY	deg C	average SD from daily data
TA_F_DAY_QC		Quality flag for TA_F_DAY
HH		not produced
DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
SW_IN_POT		Shortwave radiation, incoming, potential (top of atmosphere)
HH	W m-2	
DD	W m-2	average from half-hourly data
WW-MM	W m-2	average from daily data
YY	W m-2	not defined
SW_IN_F_MDS		Shortwave radiation, incoming, gapfilled using MDS (negative values set to zero, e.g., negative values from instrumentation noise)
HH	W m-2	
DD	W m-2	average from half-hourly data
WW-YY	W m-2	average from daily data
SW_IN_F_MDS_QC		Quality flag for SW_IN_F_MDS
HH	adimensional	0 = measured; 1 = good quality gapfill; 2 = medium; 3 = poor
DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
SW_IN_ERA		Shortwave radiation, incoming, downscaled from ERA, linearly regressed using measured only site data (negative values set to zero)
HH	W m-2	
DD	W m-2	average from half-hourly data
WW-YY	W m-2	average from daily data
SW_IN_F		Shortwave radiation, incoming consolidated from SW_IN_F_MDS and SW_IN_ERA (negative values set to zero)

HH	W m-2	SW_IN_F_MDS used if SW_IN_F_MDS_QC is 0 or 1
DD	W m-2	average from half-hourly data
WW-YY	W m-2	average from daily data
SW_IN_F_QC		Quality flag for SW_IN_F
HH	adimensional	0 = measured; 1 = good quality gapfill; 2 = downscaled from ERA
DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
LW_IN_F_MDS		Longwave radiation, incoming, gapfilled using MDS
HH	W m-2	
DD	W m-2	average from half-hourly data
WW-YY	W m-2	average from daily data
LW_IN_F_MDS_QC		Quality flag for LW_IN_F_MDS
HH	adimensional	0 = measured; 1 = good quality gapfill; 2 = medium; 3 = poor
DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
LW_IN_ERA		Longwave radiation, incoming, downscaled from ERA, linearly regressed using measured only site data
HH	W m-2	
DD	W m-2	average from half-hourly data
WW-YY	W m-2	average from daily data
LW_IN_F		Longwave radiation, incoming, consolidated from LW_IN_F_MDS and LW_IN_ERA
HH	W m-2	LW_IN_F_MDS used if LW_IN_F_MDS_QC is 0 or 1
DD	W m-2	average from half-hourly data
WW-YY	W m-2	average from daily data
LW_IN_F_QC		Quality flag for LW_IN_F

HH	adimensional	0 = measured; 1 = good quality gapfill; 2 = downscaled from ERA
DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
LW_IN_JSB		Longwave radiation, incoming, calculated from TA_F_MDS, SW_IN_F_MDS, VPD_F_MDS and SW_IN_POT using the JSBACH algorithm (Sonke Zaehle)
HH	W m-2	
DD	W m-2	average from half-hourly data
WW-YY	W m-2	average from daily data
LW_IN_JSB_QC		Quality flag for LW_IN_JSB
HH	adimensional	highest from TA_F_MDS_QC, SW_IN_F_MDS_QC and VPD_F_MDS_QC, poorest quality prevails
DD	adimensional	fraction between 0-1, indicating percentage of calculated LW_IN starting from measured and good quality gapfill drivers data
WW-YY	adimensional	fraction between 0-1, indicating percentage ofcalculated LW_IN starting from measured and good quality gapfill drivers data (average from daily data)
LW_IN_JSB_ERA		Longwave radiation, incoming, downscaled from ERA, linearly regressed using site level LW_IN_JSB calculated from measured only drivers
HH	W m-2	
DD	W m-2	average from half-hourly data
WW-YY	W m-2	average from daily data
LW_IN_JSB_F		Longwave radiation, incoming, consolidated from LW_IN_JSB and LW_IN_JSB_ERA
HH	W m-2	LW_IN_JSB used if LW_IN_JSB_QC is 0 or 1
DD	W m-2	average from half-hourly data
WW-YY	W m-2	average from daily data
LW_IN_JSB_F_QC		Quality flag for LW_IN_JSB_F
HH	adimensional	0 = calculated from measured drivers; 1 = calculated from good quality gapfilled drivers; 2: downscaled from ERA

DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
VPD_F_MDS		Vapor Pressure Deficit, gapfilled using MDS
HH	hPa	
DD	hPa	average from half-hourly data
WW-YY	hPa	average from daily data
VPD_F_MDS_QC		Quality flag for VPD_F_MDS
HH	adimensional	0 = measured; 1 = good quality gapfill; 2 = medium; 3 = poor
DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
VPD_ERA		Vapor Pressure Deficit, downscaled from ERA, linearly regressed using measured only site data
HH	hPa	
DD	hPa	average from half-hourly data
WW-YY	hPa	average from daily data
VPD_F		Vapor Pressure Deficit consolidated from VPD_F_MDS and VPD_ERA
HH	hPa	VPD_F_MDS used if VPD_F_MDS_QC is 0 or 1
DD	hPa	average from half-hourly data
WW-YY	hPa	average from daily data
VPD_F_QC		Quality flag for VPD_F
HH	adimensional	0 = measured; 1 = good quality gapfill; 2 = downscaled from ERA
DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
PA		Atmospheric pressure
HH	kPa	

	DD-YY	kPa	not defined
PA_ERA			Atmospheric pressure, downscaled from ERA, linearly regressed using measured only site data
	HH	kPa	
	DD	kPa	average from half-hourly data
	WW-YY	kPa	average from daily data
PA_F			Atmospheric pressure consolidated from PA and PA_ERA
	HH	kPa	PA used if measured
	DD	kPa	average from half-hourly data
	WW-YY	kPa	average from daily data
PA_F_QC			Quality flag for PA_F
	HH	adimensional	0 = measured; 2 = downscaled from ERA
	DD	adimensional	fraction between 0-1, indicating percentage of measured data
	WW-YY	adimensional	fraction between 0-1, indicating percentage of measured data (average from daily data)
P			Precipitation
	HH	mm	
	DD-YY	mm	not defined
P_ERA			Precipitation, downscaled from ERA, linearly regressed using measured only site data
	HH	mm	
	DD	mm	average from half-hourly data
	WW-YY	mm	average from daily data
P_F			Precipitation consolidated from P and P_ERA
	HH	mm	P used if measured
	DD	mm	average from half-hourly data
	WW-YY	mm	average from daily data
P_F_QC			Quality flag for P_F
	HH	adimensional	0 = measured; 2 = downscaled from ERA
	DD	adimensional	fraction between 0-1, indicating percentage of measured data
	WW-YY	adimensional	fraction between 0-1, indicating percentage of measured data (average from daily data)
WS			Wind speed

HH	m s-1	
DD-YY	m s-1	not defined
WS_ERA		Wind speed, downscaled from ERA, linearly regressed using measured only site data
HH	m s-1	
DD	m s-1	average from half-hourly data
WW-YY	m s-1	average from daily data
WS_F		Wind speed, consolidated from WS and WS_ERA
HH	m s-1	WS used if measured
DD	m s-1	average from half-hourly data
WW-YY	m s-1	average from daily data
WS_F_QC		Quality flag of WS_F
HH	adimensional	0 = measured; 2 = downscaled from ERA
DD	adimensional	fraction between 0-1, indicating percentage of measured data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured data (average from daily data)
WD		Wind direction
HH	Decimal degrees	
DD-YY	Decimal degrees	not defined
RH		Relative humidity, range 0-100
HH	%	
DD-YY	%	not defined
USTAR		Friction velocity
HH	m s-1	
DD	m s-1	average from half-hourly data (only days with more than 50% records available)
WW-YY	m s-1	average from daily data (only periods with more than 50% records available)
USTAR_QC		Quality flag of USTAR
HH	adimensional	not defined
DD	adimensional	fraction between 0-1, indicating percentage of data available (measured)
WW-YY	adimensional	fraction between 0-1, indicating percentage of data available (average from daily data)
NETRAD		Net radiation

HH	W m-2	
DD	W m-2	average from half-hourly data (only days with more than 50% records available)
WW-YY	W m-2	average from daily data (only periods with more than 50% records available)
NETRAD_QC		Quality flag of NETRAD
HH	adimensional	not defined
DD	adimensional	fraction between 0-1, indicating percentage of data available (measured)
WW-YY	adimensional	fraction between 0-1, indicating percentage of data available (average from daily data)
PPFD_IN		Photosynthetic photon flux density, incoming
HH	W m-2	
DD	W m-2	average from half-hourly data (only days with more than 50% records available)
WW-YY	W m-2	average from daily data (only periods with more than 50% records available)
PPFD_IN_QC		Quality flag of PPFD_IN
HH	adimensional	not defined
DD	adimensional	fraction between 0-1, indicating percentage of data available (measured)
WW-YY	adimensional	fraction between 0-1, indicating percentage of data available (average from daily data)
PPFD_DIF		Photosynthetic photon flux density, diffuse incoming
HH	W m-2	
DD	W m-2	average from half-hourly data (only days with more than 50% records available)
WW-YY	W m-2	average from daily data (only periods with more than 50% records available)
PPFD_DIF_QC		Quality flag of PPFD_DIF
HH	adimensional	not defined
DD	adimensional	fraction between 0-1, indicating percentage of data available (measured)
WW-YY	adimensional	fraction between 0-1, indicating percentage of data available (average from daily data)
PPFD_OUT		Photosynthetic photon flux density, outgoing

HH	W m-2	
DD	W m-2	average from half-hourly data (only days with more than 50% records available)
WW-YY	W m-2	average from daily data (only periods with more than 50% records available)
PPFD_OUT_QC		Quality flag of PPFD_OUT
HH	adimensional	not defined
DD	adimensional	fraction between 0-1, indicating percentage of data available (measured)
WW-YY	adimensional	fraction between 0-1, indicating percentage of data available (average from daily data)
SW_DIF		Shortwave radiation, diffuse incoming
HH	W m-2	
DD	W m-2	average from half-hourly data (only days with more than 50% records available)
WW-YY	W m-2	average from daily data (only periods with more than 50% records available)
SW_DIF_QC		Quality flag of SW_DIF
HH	adimensional	not defined
DD	adimensional	fraction between 0-1, indicating percentage of data available (measured)
WW-YY	adimensional	fraction between 0-1, indicating percentage of data available (average from daily data)
SW_OUT		Shortwave radiation, outgoing
HH	W m-2	
DD	W m-2	average from half-hourly data (only days with more than 50% records available)
WW-YY	W m-2	average from daily data (only periods with more than 50% records available)
SW_OUT_QC		Quality flag of SW_OUT
HH	adimensional	not defined
DD	adimensional	fraction between 0-1, indicating percentage of data available (measured)
WW-YY	adimensional	fraction between 0-1, indicating percentage of data available (average from daily data)
LW_OUT		Longwave radiation, outgoing
HH	W m-2	

DD	W m-2	average from half-hourly data (only days with more than 50% records available)
WW-YY	W m-2	average from daily data (only periods with more than 50% records available)
LW_OUT_QC		Quality flag of LW_OUT
HH	adimensional	not defined
DD	adimensional	fraction between 0-1, indicating percentage of data available (measured)
WW-YY	adimensional	fraction between 0-1, indicating percentage of data available (average from daily data)
CO2_F_MDS		CO2 mole fraction, gapfilled with MDS
HH	umolCO2 mol-1	
DD	umolCO2 mol-1	average from half-hourly data
WW-YY	umolCO2 mol-1	average from daily data
CO2_F_MDS_QC		Quality flag for CO2_F_MDS
HH	adimensional	0 = measured; 1 = good quality gapfill; 2 = medium; 3 = poor
DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
TS_F_MDS_#		Soil temperature, gapfilled with MDS (numeric index "#" increases with the depth, 1 is shallowest)
HH	deg C	
DD	deg C	average from half-hourly data
WW-YY	deg C	average from daily data
TS_F_MDS_#_QC		Quality flag for TS_F_MDS_#
HH	adimensional	0 = measured; 1 = good quality gapfill; 2 = medium; 3 = poor
DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
SWC_F_MDS_#		Soil water content, gapfilled with MDS (numeric index "#" increases with the depth, 1 is shallowest)
HH	%	

	DD	%	average from half-hourly data
	WW-YY	%	average from daily data
SWC_F_MDS_#_QC			Quality flag for SWC_F_MDS_#
	HH	adimensional	0 = measured; 1 = good quality gapfill; 2 = medium; 3 = poor
	DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
	WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
ENERGY PROCESSING			
G_F_MDS			Soil heat flux
	HH	W m-2	
	DD	W m-2	average from half-hourly data
	WW-YY	W m-2	average from daily data
G_F_MDS_QC			Quality flag of G_F_MDS
	HH	adimensional	0 = measured; 1 = good quality gapfill; 2 = medium; 3 = poor
	DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
	WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
LE_F_MDS			Latent heat flux, gapfilled using MDS method
	HH	W m-2	
	DD	W m-2	average from half-hourly data
	WW-YY	W m-2	average from daily data
LE_F_MDS_QC			Quality flag for LE_F_MDS, LE_CORR, LE_CORR25, and LE_CORR75
	HH	adimensional	0 = measured; 1 = good quality gapfill; 2 = medium; 3 = poor
	DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
	WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)

LE_CORR		Latent heat flux, corrected LE_F_MDS by energy balance closure correction factor
HH	W m-2	
DD	W m-2	average from half-hourly data
WW-YY	W m-2	average from daily data
LE_CORR_25		Latent heat flux, corrected LE_F_MDS by energy balance closure correction factor, 25th percentile
HH	W m-2	
DD	W m-2	average from half-hourly data
WW-YY		not produced
LE_CORR_75		Latent heat flux, corrected LE_F_MDS by energy balance closure correction factor, 75th percentile
HH	W m-2	
DD	W m-2	average from half-hourly data
WW-YY		not produced
LE_RANDUNC		Random uncertainty of LE, from measured only data
HH	W m-2	uses only data point where LE_F_MDS_QC is 0 and two hierarchical methods (see header and LE_RANDUNC_METHOD)
DD-YY	W m-2	from random uncertainty of individual half-hours (rand(i)) = [SQRT(SUM(rand(i)^2)) / n], where n is the number of half-hours used
LE_RANDUNC_METHOD		Method used to estimate the random uncertainty of LE
HH	adimensional	1 = RANDUNC Method 1 (direct SD method), 2 = RANDUNC Method 2 (median SD method)
DD-YY		not produced
LE_RANDUNC_N		Number of half-hour data points used to estimate the random uncertainty of LE
HH	adimensional	
DD-YY		not produced
LE_CORR_JOINTUNC		Joint uncertainty estimation for LE
HH-DD	W m-2	[SQRT(LE_RANDUNC^2 + ((LE_CORR75 - LE_CORR25) / 1.349)^2)]
WW-YY		not produced
H_F_MDS		Sensible heat flux, gapfilled using MDS method

HH	W m-2	
DD	W m-2	average from half-hourly data
WW-YY	W m-2	average from daily data
H_F_MDS_QC		Quality flag for H_F_MDS, H_CORR, H_CORR25, and H_CORR75
HH	adimensional	0 = measured; 1 = good quality gapfill; 2 = medium; 3 = poor
DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
H_CORR		Sensible heat flux, corrected H_F_MDS by energy balance closure correction factor
HH	W m-2	
DD	W m-2	average from half-hourly data
WW-YY	W m-2	average from daily data
H_CORR_25		Sensible heat flux, corrected H_F_MDS by energy balance closure correction factor, 25th percentile
HH	W m-2	
DD	W m-2	average from half-hourly data
WW-YY		not produced
H_CORR_75		Sensible heat flux, corrected H_F_MDS by energy balance closure correction factor, 75th percentile
HH	W m-2	
DD	W m-2	average from half-hourly data
WW-YY		not produced
H_RANDUNC		Random uncertainty of H, from measured only data
HH	W m-2	uses only data point where H_F_MDS_QC is 0 and two hierarchical methods (see header and H_RANDUNC_METHOD)
DD-YY	W m-2	from random uncertainty of individual half-hours (rand(i)) = [SQRT(SUM(rand(i)^2)) / n], where n is the number of half-hours used
H_RANDUNC_METHOD		Method used to estimate the random uncertainty of H
HH	adimensional	1 = RANDUNC Method 1 (direct SD method), 2 = RANDUNC Method 2 (median SD method)

DD-YY		not produced
H_RANDUNC_N		Number of half-hour data points used to estimate the random uncertainty of H
HH	adimensional	
DD-YY		not produced
H_CORR_JOINTUNC		Joint uncertainty estimation for H
HH-DD	W m-2	[SQRT(H_RANDUNC^2 + ((H_CORR75 - H_CORR25) / 1.349)^2)]
WW-YY		not produced
EBC_CF_N		Number of data points used to calculate energy closure balance correction factor. Driver data points within sliding window (ECB_CF Method 1) or number of ECB_CF data points (for ECB_CF Methods 2 and 3)
HH	adimensional	for ECB_CF Method 1 (minimum 5, maximum 93)
DD	adimensional	for ECB_CF Method 1 (minimum 5, maximum 15)
WW--YY	adimensional	fraction between 0-1, indicating percentages of half hours used with respect to theoretical maximum number of half hours
EBC_CF_METHOD		Method used to calculate the energy balance closure correction factor
HH-YY	adimensional	1 = ECB_CF Method 1, 2 = ECB_CF Method 2, 3 = ECB_CF Method 3. See general description for details
NET ECOSYSTEM EXCHANGE		
NIGHT		Flag indicating nighttime interval based on SW_IN_POT
HH	adimensional	0 = daytime, 1 = nighttime
DD-YY		not produced
NIGHT_D		Number of half hours classified as nighttime in the period, i.e., when SW_IN_POT is 0
HH		not produced
DD	adimensional	number of half-hours
WW-MM	adimensional	number of halfhours (average of the daily data)
YY		not produced
DAY_D		Number of half hours classified as daytime in the period, i.e., when SW_IN_POT is greater than 0

HH		not produced
DD	adimensional	number of half-hours
WW-MM	adimensional	number of halfhours (average of the daily data)
YY		not produced
NIGHT_RANDUNC_N		Number of half hours classified as nighttime and used to calculate the aggregated random uncertainty
HH		not produced
DD	adimensional	number of half-hours
WW-YY	adimensional	number of halfhours (average of the daily data)
DAY_RANDUNC_N		Number of half hours classified as daytime and used to calculate the aggregated random uncertainty
HH		not produced
DD	adimensional	number of half-hours
WW-YY	adimensional	number of halfhours (average of the daily data)
NEE_CUT_REF		Net Ecosystem Exchange, using Constant Ustar Threshold (CUT) across years, reference selected on the basis of the model efficiency
HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data
WW-MM	gC m-2 d-1	average from daily data
YY	gC m-2 y-1	sum from daily data
NEE_VUT_REF		Net Ecosystem Exchange, using Variable Ustar Threshold (VUT) for each year, reference selected on the basis of the model efficiency
HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data
WW-MM	gC m-2 d-1	average from daily data
YY	gC m-2 y-1	sum from daily data
NEE_CUT_REF_QC		Quality flag for NEE_CUT_REF
HH	adimensional	0 = measured; 1 = good quality gapfill; 2 = medium; 3 = poor
DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data

WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
NEE_VUT_REF_QC		Quality flag for NEE_VUT_REF
HH	adimensional	0 = measured; 1 = good quality gapfill; 2 = medium; 3 = poor
DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
NEE_CUT_REF_RANDUNC		Random uncertainty for NEE_CUT_REF, from measured only data
HH	umolCO2 m-2 s-1	uses only data points where NEE_CUT_REF_QC is 0 and two hierarchical methods - see header and NEE_CUT_REF_RANDUNC_METHOD
DD-MM	gC m-2 d-1	from random uncertainty of individual half-hours (rand(i)) = [SQRT(SUM(rand(i)^2)) / n], where n is the number of half-hours used
YY	gC m-2 y-1	from random uncertainty of individual half-hours (rand(i)) = [SQRT(SUM(rand(i)^2)) / n], where n is the number of half-hours used
NEE_VUT_REF_RANDUNC		Random uncertainty for NEE_VUT_REF, from measured only data
HH	umolCO2 m-2 s-1	uses only data points where NEE_VUT_REF_QC is 0 and two hierarchical methods - see header and NEE_VUT_REF_RANDUNC_METHOD
DD-MM	gC m-2 d-1	from random uncertainty of individual half-hours (rand(i)) = [SQRT(SUM(rand(i)^2)) / n], where n is the number of half-hours used
YY	gC m-2 y-1	from random uncertainty of individual half-hours (rand(i)) = [SQRT(SUM(rand(i)^2)) / n], where n is the number of half-hours used
NEE_CUT_REF_RANDUNC_METHOD		Method used to estimate the random uncertainty of NEE_CUT_REF
HH	adimensional	1 = RANDUNC Method 1 (direct SD method), 2 = RANDUNC Method 2 (median SD method)
DD-YY		not produced
NEE_VUT_REF_RANDUNC_METHOD		Method used to estimate the random uncertainty of NEE_VUT_REF

HH	adimensional	1 = RANDUNC Method 1 (direct SD method), 2 = RANDUNC Method 2 (median SD method)
DD-YY		not produced
NEE_CUT_REF_RANDUNC_N		Number of data points used to estimate the random uncertainty of NEE_CUT_REF
HH	adimensional	
DD-YY		not produced
NEE_VUT_REF_RANDUNC_N		Number of data points used to estimate the random uncertainty of NEE_VUT_REF
HH	adimensional	
DD-YY		not produced
NEE_CUT_REF_JOINTUNC		Joint uncertainty estimation for NEE_CUT_REF, including random uncertainty and USTAR filtering uncertainty
HH	umolCO2 m-2 s-1	[SQRT(NEE_CUT_REF_RANDUNC^2 + ((NEE_CUT_84 - NEE_CUT_16) / 2)^2)] for each half-hour
DD	gC m-2 d-1	[SQRT(NEE_CUT_REF_RANDUNC^2 + ((NEE_CUT_84 - NEE_CUT_16) / 2)^2)] for each day
WW	gC m-2 d-1	[SQRT(NEE_CUT_REF_RANDUNC^2 + ((NEE_CUT_84 - NEE_CUT_16) / 2)^2)] for each week
MM	gC m-2 d-1	[SQRT(NEE_CUT_REF_RANDUNC^2 + ((NEE_CUT_84 - NEE_CUT_16) / 2)^2)] for each month
YY	gC m-2 y-1	[SQRT(NEE_CUT_REF_RANDUNC^2 + ((NEE_CUT_84 - NEE_CUT_16) / 2)^2)] for each year
NEE_VUT_REF_JOINTUNC		Joint uncertainty estimation for NEE_VUT_REF, including random uncertainty and USTAR filtering uncertainty
HH	umolCO2 m-2 s-1	[SQRT(NEE_VUT_REF_RANDUNC^2 + ((NEE_VUT_84 - NEE_VUT_16) / 2)^2)] for each half-hour
DD	gC m-2 d-1	[SQRT(NEE_VUT_REF_RANDUNC^2 + ((NEE_VUT_84 - NEE_VUT_16) / 2)^2)] for each day

WW	gC m-2 d-1	[SQRT(NEE_VUT_REF_RANDUNC^2 + ((NEE_VUT_84 - NEE_VUT_16) / 2)^2)] for each week
MM	gC m-2 d-1	[SQRT(NEE_VUT_REF_RANDUNC^2 + ((NEE_VUT_84 - NEE_VUT_16) / 2)^2)] for each month
YY	gC m-2 y-1	[SQRT(NEE_VUT_REF_RANDUNC^2 + ((NEE_VUT_84 - NEE_VUT_16) / 2)^2)] for each year
NEE_CUT_USTAR50		Net Ecosystem Exchange, using Constant Ustar Threshold (CUT) across years, from 50 percentile o USTAR threshold
HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data
WW-MM	gC m-2 d-1	average from daily data
YY	gC m-2 y-1	sum from daily data
NEE_VUT_USTAR50		Net Ecosystem Exchange, using Variable Ustar Threshold (VUT) for each year, from 50 percentile o USTAR threshold
HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data
WW-MM	gC m-2 d-1	average from daily data
YY	gC m-2 y-1	sum from daily data
NEE_CUT_USTAR50_QC		Quality flag for NEE_CUT_USTAR50
HH	adimensional	0 = measured; 1 = good quality gapfill; 2 = medium; 3 = poor
DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
NEE_VUT_USTAR50_QC		Quality flag for NEE_VUT_USTAR50
HH	adimensional	0 = measured; 1 = good quality gapfill; 2 = medium; 3 = poor
DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)

NEE_CUT_USTAR50_RANDUNC		Random uncertainty for NEE_CUT_USTAR50, from measured only data
HH	umolCO2 m-2 s-1	uses only data points where NEE_CUT_USTAR50_QC is 0 and two hierarchical methods - see header and NEE_CUT_USTAR50_RANDUNC_METHOD
DD-MM	gC m-2 d-1	from random uncertainty of individual half-hours (rand(i)) = [SQRT(SUM(rand(i)^2)) / n], where n is the number of half-hours used
YY	gC m-2 y-1	from random uncertainty of individual half-hours (rand(i)) = [SQRT(SUM(rand(i)^2)) / n], where n is the number of half-hours used
NEE_VUT_USTAR50_RANDUNC		Random uncertainty for NEE_VUT_USTAR50, from measured only data
HH	umolCO2 m-2 s-1	uses only data points where NEE_VUT_USTAR50_QC is 0 and two hierarchical methods see header and NEE_VUT_USTAR50_RANDUNC_METHOD
DD-MM	gC m-2 d-1	from random uncertainty of individual half-hours (rand(i)) = [SQRT(SUM(rand(i)^2)) / n], where n is the number of half-hours used
YY	gC m-2 y-1	from random uncertainty of individual half-hours (rand(i)) = [SQRT(SUM(rand(i)^2)) / n], where n is the number of half-hours used
NEE_CUT_USTAR50_RANDUNC_METHOD		Method used to estimate the random uncertainty of NEE_CUT_USTAR50
HH	adimensional	1 = RANDUNC Method 1 (direct SD method), 2 = RANDUNC Method 2 (median SD method)
DD-YY		not produced
NEE_VUT_USTAR50_RANDUNC_METHOD		Method used to estimate the random uncertainty of NEE_VUT_USTAR50
HH	adimensional	1 = RANDUNC Method 1 (direct SD method), 2 = RANDUNC Method 2 (median SD method)
DD-YY		not produced
NEE_CUT_USTAR50_RANDUNC_N		Number of half-hour data points used to estimate the random uncertainty of NEE_CUT_USTAR50
HH	adimensional	
DD-YY		not produced
NEE_VUT_USTAR50_RANDUNC_N		Number of half-hour data points used to estimate the random uncertainty of NEE_VUT_USTAR50

HH	adimensional	
DD-YY		not produced
NEE_CUT_USTAR50_JOINTUNC		Joint uncertainty estimation for NEE_CUT_USTAR50, including random uncertainty and USTAR filtering uncertainty
HH	umolCO2 m-2 s-1	[SQRT(NEE_CUT_USTAR50_RANDUNC^2 + ((NEE_CUT_84 - NEE_CUT_16) / 2)^2)] for each half-hour
DD	gC m-2 d-1	[SQRT(NEE_CUT_USTAR50_RANDUNC^2 + ((NEE_CUT_84 - NEE_CUT_16) / 2)^2)] for each day
WW	gC m-2 d-1	[SQRT(NEE_CUT_USTAR50_RANDUNC^2 + ((NEE_CUT_84 - NEE_CUT_16) / 2)^2)] for each week
MM	gC m-2 d-1	[SQRT(NEE_CUT_USTAR50_RANDUNC^2 + ((NEE_CUT_84 - NEE_CUT_16) / 2)^2)] for each month
YY	gC m-2 y-1	[SQRT(NEE_CUT_USTAR50_RANDUNC^2 + ((NEE_CUT_84 - NEE_CUT_16) / 2)^2)] for each year
NEE_VUT_USTAR50_JOINTUNC		Joint uncertainty estimation for NEE_VUT_USTAR50, including random uncertainty and USTAR filtering uncertainty
HH	umolCO2 m-2 s-1	[SQRT(NEE_VUT_USTAR50_RANDUNC^2 + ((NEE_VUT_84 - NEE_VUT_16) / 2)^2)] for each half-hour
DD	gC m-2 d-1	[SQRT(NEE_VUT_USTAR50_RANDUNC^2 + ((NEE_VUT_84 - NEE_VUT_16) / 2)^2)] for each day
WW	gC m-2 d-1	[SQRT(NEE_VUT_USTAR50_RANDUNC^2 + ((NEE_VUT_84 - NEE_VUT_16) / 2)^2)] for each week
MM	gC m-2 d-1	[SQRT(NEE_VUT_USTAR50_RANDUNC^2 + ((NEE_VUT_84 - NEE_VUT_16) / 2)^2)] for each month
YY	gC m-2 y-1	[SQRT(NEE_VUT_USTAR50_RANDUNC^2 + ((NEE_VUT_84 - NEE_VUT_16) / 2)^2)] for each year
NEE_CUT_MEAN		Net Ecosystem Exchange, using Constant Ustar Threshold (CUT) across years, average from 40 NEE_CUT_XX versions

HH	umolCO2 m-2 s-1	average from 40 half-hourly NEE_CUT_XX
DD	gC m-2 d-1	average from 40 daily NEE_CUT_XX
WW	gC m-2 d-1	average from 40 weekly NEE_CUT_XX
MM	gC m-2 d-1	average from 40 monthly NEE_CUT_XX
YY	gC m-2 y-1	average from 40 yearly NEE_CUT_XX
NEE_VUT_MEAN		Net Ecosystem Exchange, using Variable Ustar Threshold (VUT) for each year, average from 40 NEE_VUT_XX versions
HH	umolCO2 m-2 s-1	average from 40 half-hourly NEE_CUT_XX
DD	gC m-2 d-1	average from 40 daily NEE_CUT_XX
WW	gC m-2 d-1	average from 40 weekly NEE_CUT_XX
MM	gC m-2 d-1	average from 40 monthly NEE_CUT_XX
YY	gC m-2 y-1	average from 40 yearly NEE_CUT_XX
NEE_CUT_MEAN_QC		Quality flag for NEE_CUT_MEAN, fraction between 0-1 indicating percentage of good quality data
HH	adimensional	average of percentages of good data (NEE_CUT_XX_QC is 0 or 1) from 40 NEE_CUT_XX_QC
DD-YY	adimensional	average of 40 NEE_CUT_XX_QC for the period
NEE_VUT_MEAN_QC		Quality flag for NEE_VUT_MEAN, fraction between 0-1 indicating percentage of good quality data
HH	adimensional	average of percentages of good data (NEE_VUT_XX_QC is 0 or 1) from 40 NEE_VUT_XX_QC
DD-YY	adimensional	average of 40 NEE_VUT_XX_QC for the period
NEE_CUT_SE		Standard Error for NEE_CUT, calculated as SD (NEE_CUT_XX) / SQRT(40)
HH	umolCO2 m-2 s-1	SE from 40 half-hourly NEE_CUT_XX
DD	gC m-2 d-1	SE from 40 daily NEE_CUT_XX
WW	gC m-2 d-1	SE from 40 weekly NEE_CUT_XX
MM	gC m-2 d-1	SE from 40 monthly NEE_CUT_XX
YY	gC m-2 y-1	SE from 40 yearly NEE_CUT_XX
NEE_VUT_SE		Standard Error for NEE_VUT, calculated as SD (NEE_VUT_XX) / SQRT(40)
HH	umolCO2 m-2 s-1	SE from 40 half-hourly NEE_CUT_XX
DD	gC m-2 d-1	SE from 40 daily NEE_CUT_XX

	WW	gC m-2 d-1	SE from 40 weekly NEE_CUT_XX
	MM	gC m-2 d-1	SE from 40 monthly NEE_CUT_XX
	YY	gC m-2 y-1	SE from 40 yearly NEE_CUT_XX
NEE_CUT_XX			NEE CUT percentiles (approx. percentile indicated by XX, see doc.) calculated from the 40 estimates for each period -- XX = 05, 16, 25, 50, 75, 84, 95
	HH	umolCO2 m-2 s-1	XXth percentile from 40 half-hourly NEE_CUT_XX
	DD	gC m-2 d-1	XXth percentile from 40 daily NEE_CUT_XX
	WW	gC m-2 d-1	XXth percentile from 40 weekly NEE_CUT_XX
	MM	gC m-2 d-1	XXth percentile from 40 monthly NEE_CUT_XX
	YY	gC m-2 y-1	XXth percentile from 40 yearly NEE_CUT_XX
NEE_VUT_XX			NEE VUT percentiles (approx. percentile indicated by XX, see doc.) calculated from the 40 estimates for each period -- XX = 05, 16, 25, 50, 75, 84, 95
	HH	umolCO2 m-2 s-1	XXth percentile from 40 half-hourly NEE_VUT_XX
	DD	gC m-2 d-1	XXth percentile from 40 daily NEE_VUT_XX
	WW	gC m-2 d-1	XXth percentile from 40 weekly NEE_VUT_XX
	MM	gC m-2 d-1	XXth percentile from 40 monthly NEE_VUT_XX
	YY	gC m-2 y-1	XXth percentile from 40 yearly NEE_VUT_XX
NEE_CUT_XX_QC			Quality flag for NEE_CUT_XX -- XX = 05, 16, 25, 5(75, 84, 95
	HH	adimensional	0 = measured; 1 = good quality gapfill; 2 = medium; 3 = poor
	DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
	WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
NEE_VUT_XX_QC			Quality flag for NEE_VUT_XX -- XX = 05, 16, 25, 5(75, 84, 95
	HH	adimensional	0 = measured; 1 = good quality gapfill; 2 = medium; 3 = poor
	DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
	WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
NEE_CUT_REF_NIGHT			Average nighttime NEE, from NEE_CUT_REF

HH		not produced
DD	umolCO2 m-2 s-1	average from half-hourly data (where NIGHT is 1)
WW-YY	umolCO2 m-2 s-1	average from daily data
NEE_VUT_REF_NIGHT		Average nighttime NEE, from NEE_VUT_REF
HH		not produced
DD	umolCO2 m-2 s-1	average from half-hourly data (where NIGHT is 1)
WW-YY	umolCO2 m-2 s-1	average from daily data
NEE_CUT_REF_NIGHT_SD		Standard Deviation of the nighttime NEE, from the NEE_CUT_REF
HH		not produced
DD	umolCO2 m-2 s-1	from half-hourly data (where NIGHT is 1)
WW-YY	umolCO2 m-2 s-1	from daily data
NEE_VUT_REF_NIGHT_SD		Standard Deviation of the nighttime NEE, from the NEE_VUT_REF
HH		not produced
DD	umolCO2 m-2 s-1	from half-hourly data (where NIGHT is 1)
WW-YY	umolCO2 m-2 s-1	from daily data
NEE_CUT_REF_NIGHT_QC		Quality flag for NEE_CUT_REF_NIGHT
HH		not produced
DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
NEE_VUT_REF_NIGHT_QC		Quality flag for NEE_VUT_REF_NIGHT
HH		not produced
DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
NEE_CUT_REF_NIGHT_RANDUNC		Random uncertainty of NEE_CUT_REF_NIGHT, from the random uncertainty of the single nighttime half-hours
HH		not produced

DD-YY	umolCO2 m-2 s-1	from random uncertainty of individual half-hours where NIGHT is 1 (rand(i)) = [SQRT(SUM(rand(i)^2 / n], where n is the number of half-hours used to calculate the nighttime aggregation in the day.
NEE_VUT_REF_NIGHT_RANDUNC		Random uncertainty of NEE_VUT_REF_NIGHT, from the random uncertainty of the single nighttime half-hours
HH		not produced
DD-YY	umolCO2 m-2 s-1	from random uncertainty of individual half-hours where NIGHT is 1 (rand(i)) = [SQRT(SUM(rand(i)^2 / n], where n is the number of half-hours used to calculate the nighttime aggregation in the day.
NEE_CUT_REF_NIGHT_JOINTUNC		Joint uncertainty estimation for NEE_CUT_REF_NIGHT, including random uncertainty and USTAR filtering uncertainty
HH		not produced
DD	umolCO2 m-2 s-1	[SQRT(NEE_CUT_REF_NIGHT_RANDUNC^2 + ((NEE_CUT_84_NIGHT - NEE_CUT_16_NIGHT) / ^2)] for each day
WW	umolCO2 m-2 s-1	[SQRT(NEE_CUT_REF_NIGHT_RANDUNC^2 + ((NEE_CUT_84_NIGHT - NEE_CUT_16_NIGHT) / ^2)] for each week
MM	umolCO2 m-2 s-1	[SQRT(NEE_CUT_REF_NIGHT_RANDUNC^2 + ((NEE_CUT_84_NIGHT - NEE_CUT_16_NIGHT) / ^2)] for each month
YY	umolCO2 m-2 s-1	[SQRT(NEE_CUT_REF_NIGHT_RANDUNC^2 + ((NEE_CUT_84_NIGHT - NEE_CUT_16_NIGHT) / ^2)] for each year
NEE_VUT_REF_NIGHT_JOINTUNC		Joint uncertainty estimation for NEE_VUT_REF_NIGHT, including random uncertainty and USTAR filtering uncertainty
HH		not produced
DD	umolCO2 m-2 s-1	[SQRT(NEE_VUT_REF_NIGHT_RANDUNC^2 + ((NEE_VUT_84_NIGHT - NEE_VUT_16_NIGHT) / ^2)] for each day
WW	umolCO2 m-2 s-1	[SQRT(NEE_VUT_REF_NIGHT_RANDUNC^2 + ((NEE_VUT_84_NIGHT - NEE_VUT_16_NIGHT) / ^2)] for each week
MM	umolCO2 m-2 s-1	[SQRT(NEE_VUT_REF_NIGHT_RANDUNC^2 + ((NEE_VUT_84_NIGHT - NEE_VUT_16_NIGHT) / ^2)] for each month

YY	umolCO2 m-2 s-1	[SQRT(NEE_VUT_REF_NIGHT_RANDUNC^2 + ((NEE_VUT_84_NIGHT - NEE_VUT_16_NIGHT) / ^2)] for each year
NEE_CUT_REF_DAY		Average daytime NEE, from NEE_CUT_REF
HH		not produced
DD	umolCO2 m-2 s-1	average from half-hourly data (where NIGHT is 0)
WW-YY	umolCO2 m-2 s-1	average from daily data
NEE_VUT_REF_DAY		Average daytime NEE, from NEE_VUT_REF
HH		not produced
DD	umolCO2 m-2 s-1	average from half-hourly data (where NIGHT is 0)
WW-YY	umolCO2 m-2 s-1	average from daily data
NEE_CUT_REF_DAY_SD		Standard Deviation of the daytime NEE, from the NEE_CUT_REF
HH		not produced
DD	umolCO2 m-2 s-1	from half-hourly data (where NIGHT is 0)
WW-YY	umolCO2 m-2 s-1	from daily data
NEE_VUT_REF_DAY_SD		Standard Deviation of the daytime NEE, from the NEE_VUT_REF
HH		not produced
DD	umolCO2 m-2 s-1	from half-hourly data (where NIGHT is 0)
WW-YY	umolCO2 m-2 s-1	from daily data
NEE_CUT_REF_DAY_QC		Quality flag for NEE_CUT_REF_DAY
HH		not produced
DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
NEE_VUT_REF_DAY_QC		Quality flag for NEE_VUT_REF_DAY
HH		not produced
DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)

NEE_CUT_REF_DAY_RANDUNC		Random uncertainty of NEE_CUT_REF_DAY, from the random uncertainty of the single daytime half-hours
HH		not produced
DD-YY	umolCO2 m-2 s-1	from random uncertainty of individual half-hours where NIGHT is 0 (rand(i)) = [SQRT(SUM(rand(i)^2 / n], where n is the number of half-hours used to calculate the daytime aggregation in the day.
NEE_VUT_REF_DAY_RANDUNC		Random uncertainty of NEE_VUT_REF_DAY, from the random uncertainty of the single daytime half-hours
HH		not produced
DD-YY	umolCO2 m-2 s-1	from random uncertainty of individual half-hours where NIGHT is 0 (rand(i)) = [SQRT(SUM(rand(i)^2 / n], where n is the number of half-hours used to calculate the daytime aggregation in the day.
NEE_CUT_REF_DAY_JOINTUNC		Joint uncertainty estimation for NEE_CUT_REF_DAY, including random uncertainty and USTAR filtering uncertainty
HH		not produced
DD	umolCO2 m-2 s-1	[SQRT(NEE_CUT_REF_DAY_RANDUNC^2 + ((NEE_CUT_84_DAY - NEE_CUT_16_DAY) / 2)^2) for each day
WW	umolCO2 m-2 s-1	[SQRT(NEE_CUT_REF_DAY_RANDUNC^2 + ((NEE_CUT_84_DAY - NEE_CUT_16_DAY) / 2)^2) for each week
MM	umolCO2 m-2 s-1	[SQRT(NEE_CUT_REF_DAY_RANDUNC^2 + ((NEE_CUT_84_DAY - NEE_CUT_16_DAY) / 2)^2) for each month
YY	umolCO2 m-2 s-1	[SQRT(NEE_CUT_REF_DAY_RANDUNC^2 + ((NEE_CUT_84_DAY - NEE_CUT_16_DAY) / 2)^2) for each year
NEE_VUT_REF_DAY_JOINTUNC		Joint uncertainty estimation for NEE_VUT_REF_DAY, including random uncertainty and USTAR filtering uncertainty
HH		not produced
DD	umolCO2 m-2 s-1	[SQRT(NEE_VUT_REF_DAY_RANDUNC^2 + ((NEE_VUT_84_DAY - NEE_VUT_16_DAY) / 2)^2) for each day

WW	umolCO2 m-2 s-1	[SQRT(NEE_VUT_REF_DAY_RANDUNC^2 + ((NEE_VUT_84_DAY - NEE_VUT_16_DAY) / 2)^2) for each week
MM	umolCO2 m-2 s-1	[SQRT(NEE_VUT_REF_DAY_RANDUNC^2 + ((NEE_VUT_84_DAY - NEE_VUT_16_DAY) / 2)^2) for each month
YY	umolCO2 m-2 s-1	[SQRT(NEE_VUT_REF_DAY_RANDUNC^2 + ((NEE_VUT_84_DAY - NEE_VUT_16_DAY) / 2)^2) for each year
NEE_CUT_USTAR50_NIGHT		Average nighttime NEE, from NEE_CUT_USTAR50
HH		not produced
DD	umolCO2 m-2 s-1	average from half-hourly data (where NIGHT is 1)
WW-YY	umolCO2 m-2 s-1	average from daily data
NEE_VUT_USTAR50_NIGHT		Average nighttime NEE, from NEE_VUT_USTAR50
HH		not produced
DD	umolCO2 m-2 s-1	average from half-hourly data (where NIGHT is 1)
WW-YY	umolCO2 m-2 s-1	average from daily data
NEE_CUT_USTAR50_NIGHT_SD		Standard Deviation of the nighttime NEE, from the NEE_CUT_USTAR50
HH		not produced
DD	umolCO2 m-2 s-1	from half-hourly data (where NIGHT is 1)
WW-YY	umolCO2 m-2 s-1	from daily data
NEE_VUT_USTAR50_NIGHT_SD		Standard Deviation of the nighttime NEE, from the NEE_VUT_USTAR50
HH		not produced
DD	umolCO2 m-2 s-1	from half-hourly data (where NIGHT is 1)
WW-YY	umolCO2 m-2 s-1	from daily data
NEE_CUT_USTAR50_NIGHT_QC		Quality flag for NEE_CUT_USTAR50_NIGHT
HH		not produced
DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
NEE_VUT_USTAR50_NIGHT_QC		Quality flag for NEE_VUT_USTAR50_NIGHT
HH		not produced

DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
NEE_CUT_USTAR50_NIGHT_RANDUNC		Random uncertainty of NEE_CUT_USTAR50_NIGHT, from the random uncertainty of the single nighttime half-hours
HH		not produced
DD-YY	umolCO2 m-2 s-1	from random uncertainty of individual half-hours where NIGHT is 1 (rand(i)) = [SQRT(SUM(rand(i)^2 / n], where n is the number of half-hours used to calculate the nighttime aggregation in the day.
NEE_VUT_USTAR50_NIGHT_RANDUNC		Random uncertainty of NEE_VUT_USTAR50_NIGHT, from the random uncertainty of the single nighttime half-hours
HH		not produced
DD-YY	umolCO2 m-2 s-1	from random uncertainty of individual half-hours where NIGHT is 1 (rand(i)) = [SQRT(SUM(rand(i)^2 / n], where n is the number of half-hours used to calculate the nighttime aggregation in the day.
NEE_CUT_USTAR50_NIGHT_JOINTUNC		Joint uncertainty estimation for NEE_CUT_USTAR50_NIGHT, including random uncertainty and USTAR filtering uncertainty
HH		not produced
DD	umolCO2 m-2 s-1	[SQRT(NEE_CUT_USTAR50_NIGHT_RANDUNC^ + ((NEE_CUT_84_NIGHT - NEE_CUT_16_NIGHT) 2)^2)] for each day
WW	umolCO2 m-2 s-1	[SQRT(NEE_CUT_USTAR50_NIGHT_RANDUNC^ + ((NEE_CUT_84_NIGHT - NEE_CUT_16_NIGHT) 2)^2)] for each week
MM	umolCO2 m-2 s-1	[SQRT(NEE_CUT_USTAR50_NIGHT_RANDUNC^ + ((NEE_CUT_84_NIGHT - NEE_CUT_16_NIGHT) 2)^2)] for each month
YY	umolCO2 m-2 s-1	[SQRT(NEE_CUT_USTAR50_NIGHT_RANDUNC^ + ((NEE_CUT_84_NIGHT - NEE_CUT_16_NIGHT) 2)^2)] for each year
NEE_VUT_USTAR50_NIGHT_JOINTUNC		Joint uncertainty estimation for NEE_VUT_USTAR50_NIGHT, including random uncertainty and USTAR filtering uncertainty
HH		not produced

DD	umolCO2 m-2 s-1	[SQRT(NEE_VUT_USTAR50_NIGHT_RANDUNC^ + ((NEE_VUT_84_NIGHT - NEE_VUT_16_NIGHT) 2)^2)] for each day
WW	umolCO2 m-2 s-1	[SQRT(NEE_VUT_USTAR50_NIGHT_RANDUNC^ + ((NEE_VUT_84_NIGHT - NEE_VUT_16_NIGHT) 2)^2)] for each week
MM	umolCO2 m-2 s-1	[SQRT(NEE_VUT_USTAR50_NIGHT_RANDUNC^ + ((NEE_VUT_84_NIGHT - NEE_VUT_16_NIGHT) 2)^2)] for each month
YY	umolCO2 m-2 s-1	[SQRT(NEE_VUT_USTAR50_NIGHT_RANDUNC^ + ((NEE_VUT_84_NIGHT - NEE_VUT_16_NIGHT) 2)^2)] for each year
NEE_CUT_USTAR50_DAY		Average daytime NEE, from NEE_CUT_USTAR50
HH		not produced
DD	umolCO2 m-2 s-1	average from half-hourly data (where NIGHT is 0)
WW-YY	umolCO2 m-2 s-1	average from daily data
NEE_VUT_USTAR50_DAY		Average daytime NEE, from NEE_VUT_USTAR50
HH		not produced
DD	umolCO2 m-2 s-1	average from half-hourly data (where NIGHT is 0)
WW-YY	umolCO2 m-2 s-1	average from daily data
NEE_CUT_USTAR50_DAY_SD		Standard Deviation of the daytime NEE, from the NEE_CUT_USTAR50
HH		not produced
DD	umolCO2 m-2 s-1	from half-hourly data (where NIGHT is 0)
WW-YY	umolCO2 m-2 s-1	from daily data
NEE_VUT_USTAR50_DAY_SD		Standard Deviation of the daytime NEE, from the NEE_VUT_USTAR50
HH		not produced
DD	umolCO2 m-2 s-1	from half-hourly data (where NIGHT is 0)
WW-YY	umolCO2 m-2 s-1	from daily data
NEE_CUT_USTAR50_DAY_QC		Quality flag for NEE_CUT_USTAR50_DAY
HH		not produced
DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)

NEE_VUT_USTAR50_DAY_QC		Quality flag for NEE_VUT_USTAR50_DAY
HH		not produced
DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
NEE_CUT_USTAR50_DAY_RANDUNC		Random uncertainty of NEE_CUT_USTAR50_DAY from the random uncertainty of the single daytime half-hours
HH		not produced
DD-YY	umolCO2 m-2 s-1	from random uncertainty of individual half-hours where NIGHT is 0 (rand(i)) = [SQRT(SUM(rand(i)^2 / n], where n is the number of half-hours used to calculate the daytime aggregation in the day.
NEE_VUT_USTAR50_DAY_RANDUNC		Random uncertainty of NEE_VUT_USTAR50_DAY from the random uncertainty of the single daytime half-hours
HH		not produced
DD-YY	umolCO2 m-2 s-1	from random uncertainty of individual half-hours where NIGHT is 0 (rand(i)) = [SQRT(SUM(rand(i)^2 / n], where n is the number of half-hours used to calculate the daytime aggregation in the day.
NEE_CUT_USTAR50_DAY_JOINTUNC		Joint uncertainty estimation for NEE_CUT_USTAR50_DAY, including random uncertainty and USTAR filtering uncertainty
HH		not produced
DD	umolCO2 m-2 s-1	[SQRT(NEE_CUT_USTAR50_DAY_RANDUNC^2 ((NEE_CUT_84_DAY - NEE_CUT_16_DAY) / 2)^2) for each day
WW	umolCO2 m-2 s-1	[SQRT(NEE_CUT_USTAR50_DAY_RANDUNC^2 ((NEE_CUT_84_DAY - NEE_CUT_16_DAY) / 2)^2) for each week
MM	umolCO2 m-2 s-1	[SQRT(NEE_CUT_USTAR50_DAY_RANDUNC^2 ((NEE_CUT_84_DAY - NEE_CUT_16_DAY) / 2)^2) for each month
YY	umolCO2 m-2 s-1	[SQRT(NEE_CUT_USTAR50_DAY_RANDUNC^2 ((NEE_CUT_84_DAY - NEE_CUT_16_DAY) / 2)^2) for each year

NEE_VUT_USTAR50_DAY_JOINTUNC		Joint uncertainty estimation for NEE_VUT_USTAR50_DAY, including random uncertainty and USTAR filtering uncertainty
HH		not produced
DD	umolCO2 m-2 s-1	SQRT(NEE_VUT_USTAR50_DAY_RANDUNC^2 + ((NEE_VUT_84_DAY - NEE_VUT_16_DAY) / 2)^2) for each day
WW	umolCO2 m-2 s-1	SQRT(NEE_VUT_USTAR50_DAY_RANDUNC^2 + ((NEE_VUT_84_DAY - NEE_VUT_16_DAY) / 2)^2) for each week
MM	umolCO2 m-2 s-1	SQRT(NEE_VUT_USTAR50_DAY_RANDUNC^2 + ((NEE_VUT_84_DAY - NEE_VUT_16_DAY) / 2)^2) for each month
YY	umolCO2 m-2 s-1	SQRT(NEE_VUT_USTAR50_DAY_RANDUNC^2 + ((NEE_VUT_84_DAY - NEE_VUT_16_DAY) / 2)^2) for each year
NEE_CUT_XX_NIGHT		NEE CUT nighttime percentiles (approx. percentile indicated by XX, see doc.) calculated from the 40 estimates for each period -- XX = 05, 16, 25, 50, 75 84, 95
HH		not produced
DD	umolCO2 m-2 s-1	XXth nighttime percentile from 40 daily NEE_CUT_XX_NIGHT
WW	umolCO2 m-2 s-1	XXth nighttime percentile from 40 weekly NEE_CUT_XX_NIGHT
MM	umolCO2 m-2 s-1	XXth nighttime percentile from 40 monthly NEE_CUT_XX_NIGHT
YY	umolCO2 m-2 s-1	XXth nighttime percentile from 40 yearly NEE_CUT_XX_NIGHT
NEE_VUT_XX_NIGHT		NEE VUT nighttime percentiles (approx. percentile indicated by XX, see doc.) calculated from the 40 estimates for each period -- XX = 05, 16, 25, 50, 75 84, 95
HH		not produced
DD	umolCO2 m-2 s-1	XXth nighttime percentile from 40 daily NEE_VUT_XX_NIGHT
WW	umolCO2 m-2 s-1	XXth nighttime percentile from 40 weekly NEE_VUT_XX_NIGHT
MM	umolCO2 m-2 s-1	XXth nighttime percentile from 40 monthly NEE_VUT_XX_NIGHT

YY	umolCO2 m-2 s-1	XXth nighttime percentile from 40 yearly NEE_VUT_XX_NIGHT
NEE_CUT_XX_NIGHT_QC		Quality flag for NEE_CUT_XX_NIGHT -- XX = 05, 1 25, 50, 75, 84, 95
HH		not produced
DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
NEE_VUT_XX_NIGHT_QC		Quality flag for NEE_VUT_XX_NIGHT -- XX = 05, 1 25, 50, 75, 84, 95
HH		not produced
DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
NEE_CUT_XX_DAY		NEE CUT daytime percentiles (approx. percentile indicated by XX, see doc.) calculated from the 40 estimates for each period -- XX = 05, 16, 25, 50, 75 84, 95
HH		not produced
DD	umolCO2 m-2 s-1	XXth daytime percentile from 40 daily NEE_CUT_XX_DAY
WW	umolCO2 m-2 s-1	XXth daytime percentile from 40 weekly NEE_CUT_XX_DAY
MM	umolCO2 m-2 s-1	XXth daytime percentile from 40 monthly NEE_CUT_XX_DAY
YY	umolCO2 m-2 s-1	XXth daytime percentile from 40 yearly NEE_CUT_XX_DAY
NEE_VUT_XX_DAY		NEE VUT daytime percentiles (approx. percentile indicated by XX, see doc.) calculated from the 40 estimates for each period -- XX = 05, 16, 25, 50, 75 84, 95
HH		not produced
DD	umolCO2 m-2 s-1	XXth daytime percentile from 40 daily NEE_VUT_XX_DAY
WW	umolCO2 m-2 s-1	XXth daytime percentile from 40 weekly NEE_VUT_XX_DAY

MM	umolCO2 m-2 s-1	XXth daytime percentile from 40 monthly NEE_VUT_XX_DAY
YY	umolCO2 m-2 s-1	XXth daytime percentile from 40 yearly NEE_VUT_XX_DAY
NEE_CUT_XX_DAY_QC		Quality flag for NEE_CUT_XX_DAY -- XX = 05, 16, 25, 50, 75, 84, 95
HH		not produced
DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
NEE_VUT_XX_DAY_QC		Quality flag for NEE_VUT_XX_DAY -- XX = 05, 16, 25, 50, 75, 84, 95
HH		not produced
DD	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data
WW-YY	adimensional	fraction between 0-1, indicating percentage of measured and good quality gapfill data (average from daily data)
PARTITIONING		
NIGHTTIME		
RECO_NT_VUT_REF		Ecosystem Respiration, from Nighttime partitioning method, reference selected from RECO versions using a model efficiency approach. Based on corresponding NEE_VUT_XX version
HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data
WW-MM	gC m-2 d-1	average from daily data
YY	gC m-2 y-1	sum from daily data
RECO_NT_VUT_USTAR50		Ecosystem Respiration, from Nighttime partitioning method, based on NEE_VUT_USTAR50
HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data
WW-MM	gC m-2 d-1	average from daily data
YY	gC m-2 y-1	sum from daily data

RECO_NT_VUT_MEAN		Ecosystem Respiration, from Nighttime partitioning method, average from RECO versions, each from corresponding NEE_VUT_XX version
HH	umolCO2 m-2 s-1	average from 40 half-hourly RECO_NT_VUT_XX
DD	gC m-2 d-1	average from 40 daily RECO_NT_VUT_XX
WW	gC m-2 d-1	average from 40 weekly RECO_NT_VUT_XX
MM	gC m-2 d-1	average from 40 monthly RECO_NT_VUT_XX
YY	gC m-2 y-1	average from 40 yearly RECO_NT_VUT_XX
RECO_NT_VUT_SE		Standard Error for Ecosystem Respiration, calculated as (SD(RECO_NT_VUT_XX) / SQRT (40))
HH	umolCO2 m-2 s-1	SE from 40 half-hourly RECO_NT_CUT_XX
DD	gC m-2 d-1	SE from 40 daily RECO_NT_VUT_XX
WW	gC m-2 d-1	SE from 40 weekly RECO_NT_VUT_XX
MM	gC m-2 d-1	SE from 40 monthly RECO_NT_VUT_XX
YY	gC m-2 y-1	SE from 40 yearly RECO_NT_VUT_XX
RECO_NT_VUT_XX		Ecosystem Respiration, from Nighttime partitioning method, based on corresponding NEE_VUT_XX (with XX = 05, 16, 25, 50, 75, 84, 95)
HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data
WW-MM	gC m-2 d-1	average from daily data
YY	gC m-2 y-1	sum from daily data
RECO_NT_CUT_REF		Ecosystem Respiration, from Nighttime partitioning method, reference selected from RECO versions using a model efficiency approach. Based on corresponding NEE_CUT_XX version
HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data
WW-MM	gC m-2 d-1	average from daily data
YY	gC m-2 y-1	sum from daily data
RECO_NT_CUT_USTAR50		Ecosystem Respiration, from Nighttime partitioning method, based on NEE_CUT_USTAR50
HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data
WW-MM	gC m-2 d-1	average from daily data

YY	gC m-2 y-1	sum from daily data
RECO_NT_CUT_MEAN		Ecosystem Respiration, from Nighttime partitioning method, average from RECO versions, each from corresponding NEE_CUT_XX version
HH	umolCO2 m-2 s-1	average from 40 half-hourly RECO_NT_CUT_XX
DD	gC m-2 d-1	average from 40 daily RECO_NT_CUT_XX
WW	gC m-2 d-1	average from 40 weekly RECO_NT_CUT_XX
MM	gC m-2 d-1	average from 40 monthly RECO_NT_CUT_XX
YY	gC m-2 y-1	average from 40 yearly RECO_NT_CUT_XX
RECO_NT_CUT_SE		Standard Error for Ecosystem Respiration, calculated as (SD(RECO_NT_CUT_XX) / SQRT (40))
HH	umolCO2 m-2 s-1	SE from 40 half-hourly RECO_NT_CUT_XX
DD	gC m-2 d-1	SE from 40 daily RECO_NT_CUT_XX
WW	gC m-2 d-1	SE from 40 weekly RECO_NT_CUT_XX
MM	gC m-2 d-1	SE from 40 monthly RECO_NT_CUT_XX
YY	gC m-2 y-1	SE from 40 yearly RECO_NT_CUT_XX
RECO_NT_CUT_XX		Ecosystem Respiration, from Nighttime partitioning method, based on corresponding NEE_CUT_XX (with XX = 05, 16, 25, 50, 75, 84, 95)
HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data
WW-MM	gC m-2 d-1	average from daily data
YY	gC m-2 y-1	sum from daily data
GPP_NT_VUT_REF		Gross Primary Production, from Nighttime partitioning method, reference version selected from GPP versions using a model efficiency approach. Based on corresponding NEE_VUT_XX version
HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data
WW-MM	gC m-2 d-1	average from daily data
YY	gC m-2 y-1	sum from daily data
GPP_NT_VUT_USTAR50		Gross Primary Production, from Nighttime partitioning method, based on NEE_VUT_USTAR5
HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data

WW-MM	gC m-2 d-1	average from daily data
YY	gC m-2 y-1	sum from daily data
GPP_NT_VUT_MEAN		Gross Primary Production, from Nighttime partitioning method, average from GPP versions, each from corresponding NEE_VUT_XX version
HH	umolCO2 m-2 s-1	average from 40 half-hourly GPP_NT_VUT_XX
DD	gC m-2 d-1	average from 40 daily GPP_NT_VUT_XX
WW	gC m-2 d-1	average from 40 weekly GPP_NT_VUT_XX
MM	gC m-2 d-1	average from 40 monthly GPP_NT_VUT_XX
YY	gC m-2 y-1	average from 40 yearly GPP_NT_VUT_XX
GPP_NT_VUT_SE		Standard Error for Gross Primary Production, calculated as (SD(GPP_NT_VUT_XX) / SQRT(40)
HH	umolCO2 m-2 s-1	SE from 40 half-hourly GPP_NT_VUT_XX
DD	gC m-2 d-1	SE from 40 daily GPP_NT_VUT_XX
WW	gC m-2 d-1	SE from 40 weekly GPP_NT_VUT_XX
MM	gC m-2 d-1	SE from 40 monthly GPP_NT_VUT_XX
YY	gC m-2 y-1	SE from 40 yearly GPP_NT_VUT_XX
GPP_NT_VUT_XX		Gross Primary Production, from Nighttime partitioning method, based on corresponding NEE_VUT_XX (with XX = 05, 16, 25, 50, 75, 84, 95
HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data
WW-MM	gC m-2 d-1	average from daily data
YY	gC m-2 y-1	sum from daily data
GPP_NT_CUT_REF		Gross Primary Production, from Nighttime partitioning method, reference selected from GPP versions using a model efficiency approach. Based on corresponding NEE_CUT_XX version
HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data
WW-MM	gC m-2 d-1	average from daily data
YY	gC m-2 y-1	sum from daily data
GPP_NT_CUT_USTAR50		Gross Primary Production, from Nighttime partitioning method, based on NEE_CUT_USTAR5
HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data

WW-MM	gC m-2 d-1	average from daily data
YY	gC m-2 y-1	sum from daily data
GPP_NT_CUT_MEAN		Gross Primary Production, from Nighttime partitioning method, average from GPP versions, each from corresponding NEE_CUT_XX version
HH	umolCO2 m-2 s-1	average from 40 half-hourly GPP_NT_CUT_XX
DD	gC m-2 d-1	average from 40 daily GPP_NT_CUT_XX
WW	gC m-2 d-1	average from 40 weekly GPP_NT_CUT_XX
MM	gC m-2 d-1	average from 40 monthly GPP_NT_CUT_XX
YY	gC m-2 y-1	average from 40 yearly GPP_NT_CUT_XX
GPP_NT_CUT_SE		Standard Error for Gross Primary Production, calculated as (SD(GPP_NT_CUT_XX) / SQRT(40)
HH	umolCO2 m-2 s-1	SE from 40 half-hourly GPP_NT_CUT_XX
DD	gC m-2 d-1	SE from 40 daily GPP_NT_CUT_XX
WW	gC m-2 d-1	SE from 40 weekly GPP_NT_CUT_XX
MM	gC m-2 d-1	SE from 40 monthly GPP_NT_CUT_XX
YY	gC m-2 y-1	SE from 40 yearly GPP_NT_CUT_XX
GPP_NT_CUT_XX		Gross Primary Production, from Nighttime partitioning method, based on corresponding NEE_CUT_XX (with XX = 05, 16, 25, 50, 75, 84, 95
HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data
WW-MM	gC m-2 d-1	average from daily data
YY	gC m-2 y-1	sum from daily data
DAYTIME		
RECO_DT_VUT_REF		Ecosystem Respiration, from Daytime partitioning method, reference selected from RECO versions using a model efficiency approach. Based on corresponding NEE_VUT_XX version
HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data
WW-MM	gC m-2 d-1	average from daily data
YY	gC m-2 y-1	sum from daily data
RECO_DT_VUT_USTAR50		Ecosystem Respiration, from Daytime partitioning method, based on NEE_VUT_USTAR50

HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data
WW-MM	gC m-2 d-1	average from daily data
YY	gC m-2 y-1	sum from daily data
RECO_DT_VUT_MEAN		Ecosystem Respiration, from Daytime partitioning method, average from RECO versions, each from corresponding NEE_VUT_XX version
HH	umolCO2 m-2 s-1	average from 40 half-hourly RECO_DT_VUT_XX
DD	gC m-2 d-1	average from 40 daily RECO_DT_VUT_XX
WW	gC m-2 d-1	average from 40 weekly RECO_DT_VUT_XX
MM	gC m-2 d-1	average from 40 monthly RECO_DT_VUT_XX
YY	gC m-2 y-1	average from 40 yearly RECO_DT_VUT_XX
RECO_DT_VUT_SE		Standard Error for Ecosystem Respiration, calculated as (SD(RECO_DT_VUT_XX) / SQRT (40))
HH	umolCO2 m-2 s-1	SE from 40 half-hourly RECO_DT_CUT_XX
DD	gC m-2 d-1	SE from 40 daily RECO_DT_VUT_XX
WW	gC m-2 d-1	SE from 40 weekly RECO_DT_VUT_XX
MM	gC m-2 d-1	SE from 40 monthly RECO_DT_VUT_XX
YY	gC m-2 y-1	SE from 40 yearly RECO_DT_VUT_XX
RECO_DT_VUT_XX		Ecosystem Respiration, from Daytime partitioning method, based on corresponding NEE_VUT_XX (with XX = 05, 16, 25, 50, 75, 84, 95)
HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data
WW-MM	gC m-2 d-1	average from daily data
YY	gC m-2 y-1	sum from daily data
RECO_DT_CUT_REF		Ecosystem Respiration, from Daytime partitioning method, reference selected from RECO versions using a model efficiency approach. Based on corresponding NEE_CUT_XX version
HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data
WW-MM	gC m-2 d-1	average from daily data
YY	gC m-2 y-1	sum from daily data

RECO_DT_CUT_USTAR50		Ecosystem Respiration, from Daytime partitioning method, based on NEE_CUT_USTAR50
HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data
WW-MM	gC m-2 d-1	average from daily data
YY	gC m-2 y-1	sum from daily data
RECO_DT_CUT_MEAN		Ecosystem Respiration, from Daytime partitioning method, average from RECO versions, each from corresponding NEE_CUT_XX version
HH	umolCO2 m-2 s-1	average from 40 half-hourly RECO_DT_CUT_XX
DD	gC m-2 d-1	average from 40 daily RECO_DT_CUT_XX
WW	gC m-2 d-1	average from 40 weekly RECO_DT_CUT_XX
MM	gC m-2 d-1	average from 40 monthly RECO_DT_CUT_XX
YY	gC m-2 y-1	average from 40 yearly RECO_DT_CUT_XX
RECO_DT_CUT_SE		Standard Error for Ecosystem Respiration, calculated as (SD(RECO_DT_CUT_XX) / SQRT (40))
HH	umolCO2 m-2 s-1	SE from 40 half-hourly RECO_DT_CUT_XX
DD	gC m-2 d-1	SE from 40 daily RECO_DT_CUT_XX
WW	gC m-2 d-1	SE from 40 weekly RECO_DT_CUT_XX
MM	gC m-2 d-1	SE from 40 monthly RECO_DT_CUT_XX
YY	gC m-2 y-1	SE from 40 yearly RECO_DT_CUT_XX
RECO_DT_CUT_XX		Ecosystem Respiration, from Daytime partitioning method, based on corresponding NEE_CUT_XX (with XX = 05, 16, 25, 50, 75, 84, 95)
HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data
WW-MM	gC m-2 d-1	average from daily data
YY	gC m-2 y-1	sum from daily data
GPP_DT_VUT_REF		Gross Primary Production, from Daytime partitioning method, reference version selected from GPP versions using a model efficiency approach. Based on corresponding NEE_VUT_XX version
HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data
WW-MM	gC m-2 d-1	average from daily data

YY	gC m-2 y-1	sum from daily data
GPP_DT_VUT_USTAR50		Gross Primary Production, from Daytime partitioning method, based on NEE_VUT_USTAR5
HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data
WW-MM	gC m-2 d-1	average from daily data
YY	gC m-2 y-1	sum from daily data
GPP_DT_VUT_MEAN		Gross Primary Production, from Daytime partitioning method, average from GPP versions, each from corresponding NEE_VUT_XX version
HH	umolCO2 m-2 s-1	average from 40 half-hourly GPP_DT_VUT_XX
DD	gC m-2 d-1	average from 40 daily GPP_DT_VUT_XX
WW	gC m-2 d-1	average from 40 weekly GPP_DT_VUT_XX
MM	gC m-2 d-1	average from 40 monthly GPP_DT_VUT_XX
YY	gC m-2 y-1	average from 40 yearly GPP_DT_VUT_XX
GPP_DT_VUT_SE		Standard Error for Gross Primary Production, calculated as (SD(GPP_DT_VUT_XX) / SQRT(40)
HH	umolCO2 m-2 s-1	SE from 40 half-hourly GPP_DT_VUT_XX
DD	gC m-2 d-1	SE from 40 daily GPP_DT_VUT_XX
WW	gC m-2 d-1	SE from 40 weekly GPP_DT_VUT_XX
MM	gC m-2 d-1	SE from 40 monthly GPP_DT_VUT_XX
YY	gC m-2 y-1	SE from 40 yearly GPP_DT_VUT_X
GPP_DT_VUT_XX		Gross Primary Production, from Daytime partitioning method, based on corresponding NEE_VUT_XX (with XX = 05, 16, 25, 50, 75, 84, 95
HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data
WW-MM	gC m-2 d-1	average from daily data
YY	gC m-2 y-1	sum from daily data
GPP_DT_CUT_REF		Gross Primary Production, from Daytime partitioning method, reference selected from GPP versions using a model efficiency approach. Based on corresponding NEE_CUT_XX version
HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data
WW-MM	gC m-2 d-1	average from daily data

YY	gC m-2 y-1	sum from daily data
GPP_DT_CUT_USTAR50		Gross Primary Production, from Daytime partitioning method, based on NEE_CUT_USTAR5
HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data
WW-MM	gC m-2 d-1	average from daily data
YY	gC m-2 y-1	sum from daily data
GPP_DT_CUT_MEAN		Gross Primary Production, from Daytime partitioning method, average from GPP versions, each from corresponding NEE_CUT_XX version
HH	umolCO2 m-2 s-1	average from 40 half-hourly GPP_DT_CUT_XX
DD	gC m-2 d-1	average from 40 daily GPP_DT_CUT_XX
WW	gC m-2 d-1	average from 40 weekly GPP_DT_CUT_XX
MM	gC m-2 d-1	average from 40 monthly GPP_DT_CUT_XX
YY	gC m-2 y-1	average from 40 yearly GPP_DT_CUT_XX
GPP_DT_CUT_SE		Standard Error for Gross Primary Production, calculated as (SD(GPP_DT_CUT_XX) / SQRT(40)
HH	umolCO2 m-2 s-1	SE from 40 half-hourly GPP_DT_CUT_XX
DD	gC m-2 d-1	SE from 40 daily GPP_DT_CUT_XX
WW	gC m-2 d-1	SE from 40 weekly GPP_DT_CUT_XX
MM	gC m-2 d-1	SE from 40 monthly GPP_DT_CUT_XX
YY	gC m-2 y-1	SE from 40 yearly GPP_DT_CUT_XX
GPP_DT_CUT_XX		Gross Primary Production, from Daytime partitioning method, based on corresponding NEE_CUT_XX (with XX = 05, 16, 25, 50, 75, 84, 95
HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data
WW-MM	gC m-2 d-1	average from daily data
YY	gC m-2 y-1	sum from daily data
SUNDOWN		
RECO_SR		Ecosystem Respiration, from Sundown Respiration partitioning method
HH	umolCO2 m-2 s-1	
DD	gC m-2 d-1	calculated from half-hourly data
WW-MM	gC m-2 d-1	average from daily data

YY	gC m-2 y-1	sum from daily data
RECO_SR_N		Fraction between 0-1, indicating the percentage of data avaiable in the averaging period to parametrize the respiration model
HH		not produced
DD-YY	adimensional	percentage of data available