Corresponding parameters from ver.1.0 to ver.1.2

Version	Ver.1.0/1.1	Version	Ver.1.2				Version	Ver.1.2
Year	2001-2005	Year	2001	2002	2004	2005	Year	2006-2012
Data file	TSE_2001_met_ver1.1, TSE_2002a_met_ver1.1, TSE_2002b_met_ver1.1, TSE_2003_met_ver1.1, TSE_2004_met_ver1.1, TSE_2005_met_ver1.1	Data file	FxMt_TSE_2001_30m_01-2	FxMt_TSE_2002_30m_01-2	FxMt_TSE_2004_30m_01-2	FxMt_TSE_2005_30m_01-2	Data file	FxMt_TSE_2006_30m_01-2, FxMt_TSE_2007_30m_01-2, FxMt_TSE_2008_30m_01-2, FxMt_TSE_2009_30m_01-2, FxMt_TSE_2010_30m_01-2, FxMt_TSE_2011_30m_01-2, FxMt_TSE_2012_30m_01-2
Data format	NASA Ames Format1001 (text), and csv	Data format	Asiaflux Database format (csv)				Data format	Asiaflux Database format (csv)
Information file (pdf)	Met_measurement_ver1.1	Information file (pdf)	FxMt_TSE_2001_30m_01-2, Siln_TSE_2007_04	FxMt_TSE_2002_30m_01-2, Siln_TSE_2007_04	FxMt_TSE_2004_30m_01-2, Siln_TSE_2008_05	FxMt_TSE_2005_30m_01-2, Siln_TSE_2008_05	Information file (pdf)	FxMt_TSE_2006-2012_30m_01-2, Siln_TSE_2014_08
Parameter	Item (Measurement hight) [Unit]	Parameter	Item (Measurement hight) [Unit]				Parameter	Item (Measurement hight) [Unit]
time	yymmdd	Year	YYYY				Year	YYYY
		DOY	1-365(6)				DOY	1-365(6)
		TIME	HHMM				TIME	HHMM
Wd_32	Wind direction (32m) [deg]	WD	Wind direction (32m) [deg]				WD	Wind direction (32m) [deg]
Ws_32	Wind speed (32m) [m s^{-1}]	WS_32	Wind speed (32m) [m s^{-1}]				WS	Wind speed (32m) [m s^{-1}]
Ws_25	Wind speed (25m) [m s^{-1}]	WS_25	Wind speed (25m) [m s^{-1}]					
Ws_21	Wind speed (21m) [m s^{-1}]	WS_21	Wind speed (21m) [m s^{-1}]					
Ws_17	Wind speed (17m) [m s^{-1}]	WS_17	Wind speed (17m) [m s^{-1}]					
Ws_13	Wind speed (13m) [m s^{-1}]	WS_13	Wind speed (13m) [m s^{-1}]					
Ws_9	Wind speed (9m) [m s^{-1}]	WS_9	Wind speed (9m) [m s^{-1}]					
Ws_5	Wind speed (5m) [m s^{-1}]	WS_5	Wind speed (5m) [m s^{-1}]					
Ws_2	Wind speed (2m) [m s^{-1}]	WS_2	Wind speed (2m) [m s^{-1}]					
		WS_15			Wind speed (15m) [m s^{-1}]			
		WS_10			Wind speed (10m) [m s^{-1}]			
		WS_6			Wind speed (6m) [m s^{-1}]			
		WS_4			Wind speed (4m) [m s^{-1}]			
T_32	Air temperature (32m) [deg C]	Ta_32	Air temperature (32m) [deg C]				Ta_32	Air temperature (32m) [deg C]
T_25	Air temperature (25m) [deg C]	Ta_25	Air temperature (25m) [deg C]					
T_21	Air temperature (21m) [deg C]	Ta_21	Air temperature (21m) [deg C]					
T_17	Air temperature (17m) [deg C]	Ta_17	Air temperature (17m) [deg C]					
T_13	Air temperature (13m) [deg C]	Ta_13	Air temperature (13m) [deg C]					
T_9	Air temperature (9m) [deg C]	Ta_9	Air temperature (9m) [deg C]					
T_5	Air temperature (5m) [deg C]	Ta_5	Air temperature (5m) [deg C]					
T_2	Air temperature (2m) [deg C]	Ta_2	Air temperature (2m) [deg C]					
		Ta_15			Air temperature (15m) [deg C]			
		Ta_10			Air temperature (10m) [deg C]			
		Ta_6			Air temperature (6m) [deg C]			
		Ta_4			Air temperature (4m) [deg C]			
y_32	Water vapor density (32m) [g m^{-3}]	Ho_32	H_2O concentration (32m) [g m^{-3}]				Rh_32	Relative humidity (32m) [%]
y_25	Water vapor density (25m) [g m^{-3}]	Ho_25	H_2O concentration (25m) [g m^{-3}]					
y_21	Water vapor density (21m) [g m^{-3}]	Ho_21	H_2O concentration (21m) [g m^{-3}]					
y_17	Water vapor density (17m) [g m^{-3}]	Ho_17	H_2O concentration (17m) [g m^{-3}]					
y_13	Water vapor density (13m) [g m^{-3}]	Ho_13	H_2O concentration (13m) [g m^{-3}]					
y_9	Water vapor density (9m) [g m^{-3}]	Ho_9	H_2O concentration (9m) [g m^{-3}]					
y_5	Water vapor density (5m) [g m^{-3}]	Ho_5	H_2O concentration (5m) [g m^{-3}]					
y_2	Water vapor density (2m) [g m^{-3}]	Ho_2	H_2O concentration (2m) [g m^{-3}]					
		Ho_15			H_2O concentration (15m) [g m^{-3}]			
		Ho_10			H_2O concentration (10m) [g m^{-3}]			
		Ho_6			H_2O concentration (6m) [g m^{-3}]			
		Ho_4			H_2O concentration (4m) [g m^{-3}]			
Rn_32	Net radiation (32m) [W m^{-2}]	Rn_32	Net radiation (32m) [W m^{-2}]				Rn	Net radiation (32m) [W m^{-2}]
Rn_L_u_32	Longwave radiation (32m) [W m^{-2}]	Rgl1_32	Long-wave radiation (incoming) (32m) [W m^{-2}]					
		Rgl2_32			Long-wave radiation (incoming) (32m) [W m^{-2}]			
Rn_L_d_32	Reflected longwave radiation (32m) [W m^{-2}]	Rg_out_32	Long-wave radiation (outgoing) (32m) [W m^{-2}]					
Rn_S_u_32	Shortwave radiation (32m) [W m^{-2}]	Rg1_32	Global solar radiation (incoming) (32m) [W m^{-2}]				Rg_32	Global solar radiation (incoming) (32m) [W m^{-2}]
I_32	Global radiation (32m) [W m^{-2}]	Rg2_32			Global solar radiation (incoming) (32m) [W m^{-2}]			
Rn_S_d_32	Reflected shortwave radiation (32m) [W m^{-2}]	Rgl_out_32	Global solar radiation (outgoing) (32m) [W m^{-2}]				RR	Reflected solar radiation (32m) [W m^{-2}]
L_32	Longwave radiation (32m) [W m^{-2}]							
Q_32	Photosynthetically photon flux density (32m) [micro mol m^{-2} s^{-1}]	PPFD_32	Photosynthetic active photon flux density (32m) [micro mol m^{-2} s^{-1}]				PPFD_32	Photosynthetic active photon flux density (32m) [micro mol m^{-2} s^{-1}]
Rain	Precipitaion (32m) [mm 30min^{-1}]	PPT	Precipitaion (32m) [mm 30min sum]				PPT	Precipitaion (3m) [mm 30min sum]
P_2	Atmospheric pressure (2m) [hPa]	Pa	Barometric pressure (2m) [hPa]				Pa	Barometric pressure (2m) [hPa]
Rn_3	Net radiation (3m) [W m^{-2}]	Rn_3	Net radiation (incoming) (3m, under canopy) [W m^{-2}]		Net radiation (incoming) (3m, over the canopy) [W m^{-2}]			
Rn_L_u_3	Longwave radiation (3m) [W m^{-2}]	Rgl_3	Long-wave radiation (incoming) (3m, under canopy) [W m^{-2}]		Long-wave radiation (incoming) (3m, over the canopy) [W m^{-2}]			
Rn_L_d_3	Reflected longwave radiation (3m) [W m^{-2}]	Rgl_out_3	Long-wave radiation (outgoing) (3m, under canopy) [W m^{-2}]		Long-wave radiation (outgoing) (3m, over the canopy) [W m^{-2}]			
Rn_S_u_3	Shortwave radiation (3m) [W m^{-2}]	Rg_3	Global solar radiation (incoming) (3m, under canopy) [W m^{-2}]		Global solar radiation (incoming) (3m, over the canopy) [W m^{-2}]			
Rn_S_d_3	Reflected shortwave radiation (3m) [W m^{-2}]	Rg_out_3	Global solar radiation (outgoing) (3m, under canopy) [W m^{-2}]		Global solar radiation (outgoing) (3m, over the canopy) [W m^{-2}]			
Q1_3	Photosynthetically photon flux density (point1, 3m) [micro mol m^{-2} s^{-1}]	PPFD1_3	Photosynthetic active photon flux density (3m, under canopy) [micro mol m^{-2} s^{-1}]		Photosynthetic active photon flux density (3m, over the canopy) [micro mol m^{-2} s^{-1}]			

Qp1_3	Photosynthetically photon flux density (point1, 3m) [micro mol m^{-2} s^{-1}]	PPFD2_3	Photosynthetic active photon flux density (3m, under canopy) [micro mol m^{-2} s^{-1}]	Photosynthetic active photon flux density (3m, over the canopy) [micro mol m^{-2} s^{-1}]		
Q2_3	Photosynthetically photon flux density (point2, 3m) [micro mol m^{-2} s^{-1}]	PPFD3_3	Photosynthetic active photon flux density (3m, under canopy) [micro mol m^{-2} s^{-1}]			
Qp2_3	Photosynthetically photon flux density (point2, 3m) [micro mol m^{-2} s^{-1}]	PPFD4_3	Photosynthetic active photon flux density (3m, under canopy) [micro mol m^{-2} s^{-1}]			
Qp3_3	Photosynthetically photon flux density (point3, 3m) [micro mol m^{-2} s^{-1}]	PPFD5_3	Photosynthetic active photon flux density (3m, under canopy) [micro mol m^{-2} s^{-1}]			
Qp4_3	Photosynthetically photon flux density (point4, 3m) [micro mol m^{-2} s^{-1}]	PPFD6_3	Photosynthetic active photon flux density (3m, under canopy) [micro mol m^{-2} s^{-1}]			
Qp5_3	Photosynthetically photon flux density (point5, 3m) [micro mol m^{-2} s^{-1}]	PPFD7_3	Photosynthetic active photon flux density (3m, under canopy) [micro mol m^{-2} s^{-1}]			
SHF1_2	Soil heat flux (point1, -2cm) [W m^{-2}]	G1_2	Ground heat flux (-2cm) [W m^{-2}]		G	Ground heat flux (-2cm) [W m^{-2}]
SHF2_2	Soil heat flux (point2, -2cm) [W m^{-2}]	G2_2	Ground heat flux (-2cm) [W m^{-2}]			
SHF3_2	Soil heat flux (point3, -2cm) [W m^{-2}]	G3_2	Ground heat flux (-2cm) [W m^{-2}]			
SHF4_2	Soil heat flux (point4, -2cm) [W m^{-2}]	G4_2	Ground heat flux (-2cm) [W m^{-2}]			
SHF5_2	Soil heat flux (point5, -2cm) [W m^{-2}]	G5_2	Ground heat flux (-2cm) [W m^{-2}]			
TG1_1	Soil temperature (point1, -1cm) [deg C]	Ts1_1	Soil temperature (point1, -1cm) [deg C]		Ts_1	Soil temperature (point1, -1cm) [deg C]
TG1_5	Soil temperature (point1, -5cm) [deg C]	Ts1_5	Soil temperature (point1, -5cm) [deg C]		Ts_5	Soil temperature (point1, -5cm) [deg C]
TG1_10	Soil temperature (point1, -10cm) [deg C]	Ts1_10	Soil temperature (point1, -10cm) [deg C]		Ts_10	Soil temperature (point1, -10cm) [deg C]
TG1_20	Soil temperature (point1, -20cm) [deg C]	Ts1_20	Soil temperature (point1, -20cm) [deg C]		Ts_20	Soil temperature (point1, -20cm) [deg C]
TG1_40	Soil temperature (point1, -40cm) [deg C]	Ts1_40	Soil temperature (point1, -40cm) [deg C]		Ts_40	Soil temperature (point1, -40cm) [deg C]
TG1_80	Soil temperature (point1, -80cm) [deg C]	Ts1_80	Soil temperature (point1, -80cm) [deg C]		Ts_80	Soil temperature (point1, -80cm) [deg C]
TG1_120	Soil temperature (point1, -120cm) [deg C]	Ts1_120	Soil temperature (point1, -120cm) [deg C]		Ts_120	Soil temperature (point1, -120cm) [deg C]
TG2_1	Soil temperature (point2, -1cm) [deg C]	Ts2_1	Soil temperature (point2, -1cm) [deg C]			
TG2_5	Soil temperature (point2, -5cm) [deg C]	Ts2_5	Soil temperature (point2, -5cm) [deg C]			
TG2_10	Soil temperature (point2, -10cm) [deg C]	Ts2_10	Soil temperature (point2, -10cm) [deg C]			
TG3_1	Soil temperature (point3, -1cm) [deg C]	Ts3_1	Soil temperature (point3, -1cm) [deg C]			
TG3_5	Soil temperature (point3, -5cm) [deg C]	Ts3_5	Soil temperature (point3, -5cm) [deg C]			
TG3_10	Soil temperature (point3, -10cm) [deg C]	Ts3_10	Soil temperature (point3, -10cm) [deg C]			
TG4_1	Soil temperature (point4, -1cm) [deg C]	Ts4_1	Soil temperature (point4, -1cm) [deg C]			
TG4_5	Soil temperature (point4, -5cm) [deg C]	Ts4_5	Soil temperature (point4, -5cm) [deg C]			
TG4_10	Soil temperature (point4, -10cm) [deg C]	Ts4_10	Soil temperature (point4, -10cm) [deg C]			
TG5_1	Soil temperature (point5, -1cm) [deg C]	Ts5_1	Soil temperature (point5, -1cm) [deg C]			
TG5_5	Soil temperature (point5, -5cm) [deg C]	Ts5_5	Soil temperature (point5, -5cm) [deg C]			
TG5_10	Soil temperature (point5, -10cm) [deg C]	Ts5_10	Soil temperature (point5, -10cm) [deg C]			
TDR1_5	Soil moisture (point1, -5cm) [%]	SWC1_5	Soil water content (point1, -5cm) [m^3 m^{-3}]		SWC_5	Soil water content (point1, -5cm) [m^3 m^{-3}]
TDR1_10	Soil moisture (point1, -10cm) [%]	SWC1_10	Soil water content (point1, -10cm) [m^3 m^{-3}]		SWC_10	Soil water content (point1, -10cm) [m^3 m^{-3}]
TDR1_30	Soil moisture (point1, -30cm) [%]	SWC1_30	Soil water content (point1, -30cm) [m^3 m^{-3}]		SWC_30	Soil water content (point1, -30cm) [m^3 m^{-3}]
TDR1_60	Soil moisture (point1, -60cm) [%]	SWC1_60	Soil water content (point1, -60cm) [m^3 m^{-3}]		SWC_60	Soil water content (point1, -60cm) [m^3 m^{-3}]
TDR2_5	Soil moisture (point2, -5cm) [%]	SWC2_5	Soil water content (point2, -5cm) [m^3 m^{-3}]			
TDR2_10	Soil moisture (point2, -10cm) [%]	SWC2_10	Soil water content (point2, -10cm) [m^3 m^{-3}]			
TDR3_5	Soil moisture (point3, -5cm) [%]	SWC3_5	Soil water content (point3, -5cm) [m^3 m^{-3}]			
TDR3_10	Soil moisture (point3, -10cm) [%]	SWC3_10	Soil water content (point3, -10cm) [m^3 m^{-3}]			
TDR4_5	Soil moisture (point4, -5cm) [%]	SWC4_5	Soil water content (point4, -5cm) [m^3 m^{-3}]			
TDR4_10	Soil moisture (point4, -10cm) [%]	SWC4_10	Soil water content (point4, -10cm) [m^3 m^{-3}]			
TDR5_5	Soil moisture (point5, -5cm) [%]	SWC5_5	Soil water content (point5, -5cm) [m^3 m^{-3}]			
TDR5_10	Soil moisture (point5, -10cm) [%]	SWC5_10	Soil water content (point5, -10cm) [m^3 m^{-3}]			
SD	Snow depth (4m) [m]	SNOWD	Snow depth (4m) [m]			
Data file	**TSE_2001_flux_ver1.0, TSE_2002_flux_ver1.0, TSE_2003a_flux_ver1.0, TSE_2003b_flux_ver1.0, TSE_2004_flux_ver1.0, TSE_2005_flux_ver1.0**					
Data format	**NASA Ames Format1001 (text), and csv**					
Information file (pdf)	**Flux measurement**					
FH_qc	Sensible heat flux (32m) [W m^{-2}]	H	Sensible heat flux (32m) [W m^{-2}]	Sensible heat flux (4.6m) [W m^{-2}]	H_1	Sensible heat flux (4.6m) [W m^{-2}]
IE_qc	Latent heat flux (32m) [W m^{-2}]	LE	Latent heat flux (32m) [W m^{-2}]	Latent heat flux (4.6m) [W m^{-2}]	LE_1	Latent heat flux (4.6m) [W m^{-2}]
NEE_qc	Net ecosystem CO_2 exchange [micromol m^{-2} s$^-$]	NEE1	Net ecosystem CO_2 exchange [micromol m^{-2} s$^-$	Net ecosystem CO_2 exchange (4.6m)[micromol m^{-2} s$^-$	Fc	CO_2 flux (4.6 or 5.7m) [micromol m^{-2} s^{-1}]
NEE_qc_fv	Net ecosystem CO_2 exchange with friction velocity correction (u*>0.3 m/s) [micromol m^{-2} s^{-1}]	NEE2	Net ecosystem CO_2 exchange with friction velocity correction (u*>0.3 m/s) [micromol m^{-2}	Net ecosystem CO_2 exchange with friction velocity correction (u*>0.1 m/s) (4.6m)		
					Co	CO_2 concentration (4.6 or 5.7m) [ppm]
u_star_qc	Friction velocity (32m) [m s^{-1}]	USt	Friction velocity (32m) [m s^{-1}]	Friction velocity (4.6m) [m s^{-1}]	Ust_1	Friction velocity (4.6 or 5.7m)[m s^{-1}]
		Data file	GfNr_TSE_2001_30m_01-2	GfNr_TSE_2002_30m_01-2	GfNr_TSE_2004_30m_01-2	GfNr_TSE_2005_30m_01-2
		Data format	**Asiaflux Database format (csv)**			
		Information file (pdf)	GfNr_TSE_2001_30m_01-2, Siln_TSE_2007_04	GfNr_TSE_2002_30m_01-2, Siln_TSE_2007_04	GfNr_TSE_2004_30m_01-2, Siln_TSE_2008_05	GfNr_TSE_2005_30m_01-2, Siln_TSE_2008_05
FH_fill	Sensible heat flux, gap-filled (32m) [W m^{-2}]	H	Sensible heat flux, gap-filled (32m) [W m^{-2}]	Sensible heat flux, gap-filled (4.6m) [W m^{-2}]	H_2	Sensible heat flux, gap-filled (4.6m) [W m^{-2}]
IE_fill	Latent heat flux, gap-filled (32m) [W m^{-2}]	LE	Latent heat flux, gap-filled (32m) [W m^{-2}]	Latent heat flux, gap-filled (4.6m) [W m^{-2}]	LE_2	Latent heat flux, gap-filled (4.6m) [W m^{-2}]
NEE_fill	Net ecosystem CO_2 exchange, gap-filled [micromol m^{-2} s^{-1}]	NEE1	Net ecosystem CO_2 exchange, gap-filled [micromol m^{-2} s^{-1}]	Net ecosystem CO_2 exchange, gap-filled (4.6m)[micromol m^{-2} s^{-1}]	NEE1	Net ecosystem CO_2 exchange, gap-filled [micromol m^{-2} s^{-1}]
NEE_fill_fv	Net ecosystem CO_2 exchange, gap-filled with friction velocity correction (u*>0.3 m/s) [micromol m^{-2} s^{-1}]	NEE2	Net ecosystem CO2 exchange, gap-filled with friction velocity correction (u*>0.3 m/s) [micromol m^{-2} s^{-1}]	Net ecosystem CO_2 exchange, gap-filled with friction velocity correction (u*>0.1 m/s) (4.6m) [micromol m^{-2} s^{-1}]	NEE2	Net ecosystem CO_2 exchange, gap-filled with friction velocity correction (u*>0.3 m/s) [micromol m^{-2} s^{-1}]
u_star_fill	Friction velocity, gap-filled (32m) [m s^{-1}]	Ust	Friction velocity, gap-filled (32m) [m s^{-1}]	Friction velocity, gap-filled (4.6m) [m s^{-1}]	Ust_2	Friction velocity, gap-filled (4.6 or 5.7m) [m s^{-1}]
					ZL	Atmospheric stability parameter