NOAA/NSSL NAME Supersite (Tesopaco) Data

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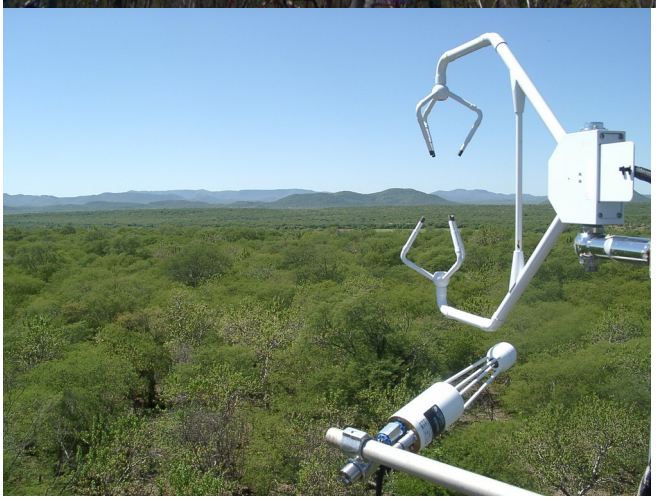
Site: Tesopaco, Mexico.
Location: 27 50 40.7 N, 109 17 53 W.
Altitude: 466 msnm.
Tower height: 14.5 m, to platform

Instrumentation:



Vegetation type: Tropical deciduous forest.
Dominant species of trees around tower are: Palo blanco (I*pomoea arborescens*), Mauto (*Lysiloma divaricata*), Etcho (*Pachycereus pectin-aboriginum*), Huinolo (*Acacia cochliacantha*) and palo Brasil (*Haematoxylum brasiletto*). Into the near stream the dominant species of trees are: Guasima (*Guazuma ulmifolia*), Tepejuage (*Lysiloma watsonii*).

Dry season

Sensor	Variable	Height
Vaisala HMP45C	air temperature & relative humidity	15, 6.8, 2.5 m
R.M Young Wind monitor	Wind speed, wind direction & STD W. direction	6.8, 2.5 m
IRT Everest 4000, FVO 30°	Surface temperature	7.0 m
Thermocouple	Case surface temperature	7.0 m
Temperature probe 108-L	Soil temperature under ground	5, 5, 5, 5 cm
HFT3-L REBS Soil Heat Flux Plate	Soil heat flux, under ground	5, 5, 5, 5 cm
Water Content Reflectometer CS615	Soil moisture, underground	5, 5, 5, 5 cm
LICOR 7500	CO2, H20	15 m
CSAT3	Winds (u, v, w)	15 m
CNR1	Net radiation components	11 m

Datalogger CR5000
Datalogger CR23X
Multiplexer 16/32

Meteodata:

Column	Variable, height sensor	Units
1	Year	time
2	Doy	time
3	Time	30 min
4	T-Ref datalogger	degC
5	Air temperatura, 6.8 m	degC
6	Relative Humidity, 6.8 m	Percent
7	Air temperatura, 2.5 m	degC
8	Relative Humidity, 2.5 m	Percent
9	Windspeed, 2.5 m	m s^{-1}
10	Wind direction, 2.5 m	degrees
11	STD_Wind direction, 2.5 m	degrees
12	Windspeed, 6.8 m	m s^{-1}
13	Wind direction, 6.8 m	degrees
14	STD_Wind direction, 6.8 m	degrees
15	Surface temperatura, 7 m	degC
16	Soil temperatura, -5 cm	degC
17	Soil temperatura, -5 cm	degC
18	Soil temperatura, -5 cm	degC
19	Soil temperatura, -5 cm	degC
20	Soil heat flux, -5 cm	W m^{-2}
21	Soil heat flux, -5 cm	W m^{-2}
22	Soil heat flux, -5 cm	W m^{-2}
23	Soil heat flux, -5 cm	W m^{-2}
24	Period1, -5 cm	ms
25	period2, -5 cm	ms
26	Period3, -5 cm	ms
27	Period4, -5 cm	ms
28	Period5, -5 cm	ms
29	Period6, -5 cm	ms
30	Period7, -5 cm	ms
31	Soil Moisture1, -5 cm	m^3 m^{-3}
32	Soil Moisture2, -5 cm	m^3 m^{-3}
33	Soil Moisture3, -5 cm	m^3 m^{-3}
34	Soil Moisture4, -5 cm	m^3 m^{-3}
35	Soil Moisture5, -5 cm	m^3 m^{-3}
36	Soil Moisture6, -5 cm	m^3 m^{-3}
37	Soil Moisture7, -5 cm	m^3 m^{-3}
38	Rainfall, 15 m	mm

Mistake data -6999 or NAN

Fluxdata:

Column	Variable	Units
1	Year	time
2	Date	time
3	Time	30 min
4	Latent heat flux	W m^{-2}
5	Sensible Heat flux	W m^{-2}
6	U_star	m s^{-1}
7	Ux_Avg	m s^{-1}
8	Uy_Avg	m s^{-1}
9	Uz_Avg	m s^{-1}
10	co2_Avg	mg m^{-3}
11	h2o_Avg	G m^{-3}
12	Ts_Avg	degC
13	press_Avg	kPa
14	tc_ref_Avg	degC
15	t_hmp_Avg, vaisala 15m	degC
16	e_Avg, vaisala 15m	kPa
17	h2o_hmp_Avg, vaisala 15m	g m^{-3}
18	wnd_dir_compass	degrees
19	Incoming sol_down	W m^{-2}
20	Incoming sol_up	W m^{-2}
21	Long wave_dwn	W m^{-2}
22	Long wave_up	W m^{-2}
23	net radiation	W m^{-2}

Soil sensor position.