

2013年 1月

気象月報

秩父演習林栃本

Monthly report of meteorological data at Tochimoto

月	日	気温 °C			平均地温 °C						湿度	降水量	日射量 日合計	風速 m/sec			降雪深 cm
		Air Temperature			Soil Temperature									Wind Velocity			
Date		平均 Mean	最高 Max.	最低 Min.	0.0	0.1	0.2	0.5	1.0	2.0m deep	Hum. %	Prec. mm	MJ/m ²	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
01	1	0.0	8.8	-4.6	2.0	2.7	3.7	5.3	8.0	12.9	55.6	0.0	11.4	0.7	7.2	W	—
01	2	3.3	9.9	-3.0	1.7	2.3	3.4	5.3	7.9	12.8	49.1	0.0	9.4	1.9	15.4	WNW	—
01	3	-0.9	3.9	-6.3	1.2	2.0	3.3	5.2	7.8	12.6	50.7	0.0	4.9	0.9	7.8	WSW	—
01	4	-3.5	4.8	-7.8	0.7	1.5	2.8	5.1	7.8	12.5	58.9	0.0	11.6	0.6	5.5	SSE	—
01	5	-4.0	4.6	-8.9	0.3	1.2	2.6	5.0	7.7	12.4	63.0	0.0	10.9	0.8	5.1	SSW	—
01	6	-1.0	7.2	-6.7	0.2	1.0	2.3	4.8	7.6	12.3	59.3	0.0	8.5	0.5	3.7	W	—
01	7	-1.1	7.7	-6.2	0.5	1.1	2.2	4.6	7.5	12.2	67.4	0.0	11.5	0.7	4.3	SW	—
01	8	0.6	9.9	-4.5	0.9	1.3	2.3	4.5	7.4	12.1	62.5	0.0	11.0	0.6	4.2	SW	—
01	9	0.3	8.1	-4.0	1.3	1.6	2.5	4.4	7.2	12.0	74.1	0.0	10.3	0.5	4.0	SSW	—
01	10	-1.2	7.0	-5.6	1.3	1.7	2.6	4.4	7.1	11.9	64.7	0.0	11.8	0.7	3.9	SW	—
01	11	-2.0	7.9	-7.3	1.0	1.5	2.5	4.4	7.1	11.8	57.8	0.0	12.1	0.6	4.4	SSW	—
01	12	-0.4	8.4	-6.4	1.0	1.5	2.4	4.3	7.0	11.7	57.1	0.0	11.9	0.6	4.6	SW	—
01	13	2.8	11.3	-2.6	1.4	1.7	2.5	4.3	6.9	11.6	47.1	0.0	10.5	0.5	3.8	WSW	—
01	14	-0.1	1.9	-1.7	1.3	1.8	2.7	4.3	6.8	11.5	91.5	23.5	0.1	0.1	5.3	NW	—
01	15	-0.8	4.8	-5.4	1.1	1.6	2.6	4.3	6.7	11.4	69.0	2.0	6.8	1.1	9.0	W	38(注)
01	16	-2.5	4.9	-7.5	1.1	1.6	2.6	4.3	6.7	11.3	78.2	0.0	11.9	0.5	3.8	SW	—
01	17	-1.5	4.7	-6.1	1.1	1.6	2.6	4.3	6.6	11.2	70.6	0.0	9.3	0.8	5.8	WSW	—
01	18	-3.4	2.4	-8.6	0.9	1.5	2.6	4.3	6.5	11.2	53.8	0.0	13.0	1.3	11.2	W	—
01	19	-1.8	7.3	-8.0	0.6	1.3	2.5	4.3	6.5	11.1	54.4	0.0	12.7	0.7	4.4	WSW	—
01	20	-0.8	8.4	-5.9	0.6	1.2	2.4	4.2	6.4	11.0	60.8	0.0	12.8	0.6	7.1	SW	—
01	21	-0.5	7.7	-5.9	0.3	1.0	2.3	4.2	6.4	10.9	57.5	0.0	10.1	0.4	4.3	SSW	—
01	22	0.9	7.0	-2.3	0.5	1.0	2.2	4.1	6.4	10.8	82.9	0.5	4.9	0.6	6.8	NE	—
01	23	0.8	6.7	-2.4	0.6	1.1	2.3	4.1	6.3	10.7	70.8	0.0	8.0	0.6	4.6	SE	—
01	24	1.2	9.7	-4.1	1.5	1.5	2.4	4.0	6.2	10.7	80.2	0.0	12.9	0.5	3.7	S	—
01	25	0.9	6.1	-3.3	1.3	1.7	2.5	4.0	6.2	10.6	48.2	0.0	10.3	1.7	11.5	WNW	—
01	26	-2.8	1.8	-5.3	0.1	1.0	2.3	4.0	6.1	10.5	42.2	0.0	7.1	2.1	9.6	W	—
01	27	-1.1	6.3	-5.4	0.4	0.9	2.0	3.9	6.1	10.5	44.9	0.0	13.8	1.0	7.6	SW	—
01	28	-1.1	7.1	-6.4	1.3	1.5	2.1	3.8	6.0	10.4	59.4	0.0	13.9	0.8	8.2	WSW	—
01	29	0.0	10.1	-6.6	1.6	1.7	2.4	3.8	5.9	10.3	55.0	0.0	14.4	0.7	4.9	SSW	—
01	30	1.2	10.1	-4.1	1.8	2.0	2.6	3.8	5.9	10.2	53.6	0.0	13.8	1.0	13.1	WNW	—
01	31	0.0	9.1	-5.3	1.9	2.1	2.7	3.8	5.8	10.2	57.0	0.0	13.9	0.5	4.6	S	—
計	Total											26.0					
平均	Mean	-0.6	7.0	-5.4	1.0	1.5	2.5	4.4	6.8	11.4	61.2	0.8	10.5	0.8	6.4		
最大	Max.	3.3	11.3	-1.7	2.0	2.7	3.7	5.3	8.0	12.9	91.5	23.5	14.4	2.1	15.4		
最低	Min.	-4.0	1.8	-8.9	0.1	0.9	2.0	3.8	5.8	10.2	42.2	0.0	0.1	0.1	3.7		

代替機器観測日 (The date of observation by alternative hardwares)

(注)15日の降雪深は14日の降雪によるもの

2013年 02月

气象月報

秩父演習林栃本

Monthly report of meteorological data at Tochimoto

月	日	气温 °C			平均地温 °C						湿度	降水量	日射量 日合計	風速 m/sec			降雪深 cm
		Air Temperature			Soil Temperature									Wind Velocity			
Date		平均 Mean	最高 Max.	最低 Min.	0.0	0.1	0.2	0.5	1.0	2.0m deep	Hum. %	Prec. mm	MJ/m ²	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
02	1	1.9	10.7	-3.9	2.3	2.3	2.8	3.9	5.8	10.1	63.0	0.0	12.9	0.6	4.1	SSE	-
02	2	8.2	18.3	1.3	4.3	3.7	3.6	4.0	5.7	10.0	66.4	0.0	9.6	1.2	10.6	NNW	-
02	3	3.1	11.5	-2.0	4.2	4.1	4.2	4.2	5.7	9.9	65.3	0.0	14.0	0.6	5.5	S	-
02	4	3.2	11.3	-1.1	4.2	4.0	4.3	4.5	5.6	9.8	83.7	1.0	8.3	0.5	6.0	SSE	1
02	5	3.6	11.0	-1.4	4.6	4.4	4.5	4.7	5.7	9.7	64.5	0.0	13.7	0.7	6.3	SSE	-
02	6	-0.9	1.5	-2.9	3.2	3.8	4.6	4.9	5.7	9.7	96.2	10.5	0.5	0.1	2.0	W	13
02	7	0.4	5.6	-2.4	2.4	2.9	3.9	4.9	5.8	9.6	95.3	0.0	9.4	0.4	4.2	SE	-
02	8	-2.1	2.5	-7.5	2.5	2.8	3.6	4.8	5.8	9.6	67.1	0.0	14.0	1.2	10.3	SW	-
02	9	-2.9	6.0	-8.5	2.0	2.5	3.4	4.7	5.9	9.5	62.0	0.0	14.0	0.8	5.2	SSW	-
02	10	-0.5	9.1	-7.1	2.5	2.7	3.4	4.6	5.9	9.5	65.2	0.0	16.1	0.8	4.6	SW	-
02	11	-1.1	6.7	-6.6	2.7	3.0	3.5	4.5	5.8	9.4	61.2	0.0	15.9	1.0	9.2	SSW	-
02	12	-2.8	4.2	-8.7	1.8	2.4	3.3	4.5	5.8	9.4	61.9	0.0	11.6	0.7	4.5	S	-
02	13	0.9	8.4	-4.0	2.4	2.6	3.2	4.4	5.8	9.3	70.1	6.5	16.2	0.9	9.7	W	12
02	14	0.7	9.1	-4.6	2.6	2.7	3.3	4.4	5.8	9.3	70.5	0.0	14.3	0.6	4.3	SSW	-
02	15	-1.0	2.0	-3.2	1.7	2.4	3.3	4.4	5.8	9.3	93.0	5.5	1.5	0.2	2.8	W	11
02	16	-3.8	0.9	-6.8	1.6	2.0	3.0	4.3	5.7	9.2	66.6	0.0	5.3	0.8	6.1	W	-
02	17	-2.2	5.1	-7.4	0.8	1.5	2.6	4.3	5.7	9.2	41.8	0.0	12.6	0.9	6.1	SW	-
02	18	0.0	4.1	-4.9	1.0	1.4	2.4	4.1	5.7	9.2	79.5	3.0	6.6	0.4	4.0	WSW	-
02	19	-0.8	1.5	-5.8	1.7	1.9	2.7	4.0	5.6	9.1	92.4	0.0	2.8	0.0	2.5	ENE	-
02	20	-1.7	8.1	-8.8	2.1	2.2	2.7	4.0	5.6	9.1	62.6	0.0	18.1	0.7	10.2	S	-
02	21	-2.0	6.8	-8.0	2.5	2.6	3.1	4.0	5.5	9.0	59.1	0.0	18.1	0.8	7.3	SE	-
02	22	-1.1	7.9	-7.9	2.5	2.7	3.2	4.1	5.5	9.0	50.9	0.0	16.9	0.8	5.4	SSW	-
02	23	0.0	8.0	-5.1	3.2	3.1	3.4	4.1	5.4	9.0	56.4	0.0	17.5	0.9	5.6	SE	-
02	24	-1.7	3.0	-7.3	2.7	3.0	3.5	4.2	5.4	8.9	42.8	0.0	17.3	2.5	16.3	W	-
02	25	-3.1	6.1	-10.7	2.6	2.8	3.4	4.3	5.4	8.9	48.1	0.0	19.0	1.0	7.4	SW	-
02	26	-1.6	8.0	-9.4	2.8	2.9	3.4	4.2	5.4	8.9	52.8	0.0	18.2	0.6	4.3	S	-
02	27	2.6	11.9	-2.0	3.7	3.5	3.7	4.3	5.4	8.8	66.9	0.0	12.4	0.5	4.3	SSW	-
02	28	4.9	14.8	-1.0	4.8	4.3	4.2	4.4	5.4	8.8	61.2	0.0	17.5	0.6	5.2	SSW	-
計	Total											26.5					
平均	Mean	0.0	7.3	-5.3	2.7	2.9	3.4	4.3	5.6	9.3	66.6	0.9	12.6	0.7	6.2		
最大	Max.	8.2	18.3	1.3	4.8	4.4	4.6	4.9	5.9	10.1	96.2	10.5	19.0	2.5	16.3		
最低	Min.	-3.8	0.9	-10.7	0.8	1.4	2.4	3.9	5.4	8.8	41.8	0.0	0.5	0.0	2.0		

代替機器観測日 (The date of observation by alternative hardwares)

2013年 03月

气象月報

秩父演習林栃本

Monthly report of meteorological data at Tochimoto

月	日	气温 °C			平均地温 °C						湿度	降水量	日射量 日合計	風速 m/sec			降雪深 cm
		Air Temperature			Soil Temperature									Wind Velocity			
Date		平均 Mean	最高 Max.	最低 Min.	0.0	0.1	0.2	0.5	1.0	2.0m deep	Hum. %	Prec. mm	MJ/m ²	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
03	1	7.1	14.4	0.5	5.1	4.8	4.8	4.6	5.4	8.7	67.7	8.0	10.5	2.9	16.1	WNW	-
03	2	2.3	7.3	-3.7	5.9	5.5	5.4	4.9	5.4	8.7	59.2	0.0	18.4	1.9	10.9	WSW	-
03	3	0.8	10.0	-5.7	4.8	4.8	5.2	5.2	5.4	8.7	51.0	0.0	16.2	0.7	5.4	SSE	-
03	4	1.0	9.8	-4.2	5.3	5.1	5.3	5.2	5.5	8.6	71.9	3.5	15.5	0.6	5.0	SE	-
03	5	2.1	11.8	-4.4	6.1	5.7	5.6	5.4	5.5	8.6	72.7	0.0	16.9	0.5	4.3	S	10
03	6	5.5	17.7	-2.7	6.3	5.9	5.9	5.6	5.6	8.5	53.5	0.0	20.3	0.8	7.1	SSW	-
03	7	6.5	15.3	-0.3	7.0	6.5	6.4	5.8	5.7	8.5	61.9	0.0	17.6	0.8	5.6	S	-
03	8	11.0	20.2	4.1	7.8	7.2	6.9	6.0	5.7	8.4	45.7	0.0	16.0	1.7	12.2	W	-
03	9	13.9	23.3	6.9	9.2	8.3	7.6	6.3	5.8	8.4	34.9	0.0	19.8	1.3	11.8	SW	-
03	10	9.7	22.5	-1.5	8.7	8.4	8.2	6.8	5.9	8.4	53.7	0.5	13.7	1.9	17.1	WNW	-
03	11	2.3	12.7	-4.0	7.6	7.5	7.8	7.1	6.1	8.4	45.6	0.0	21.1	1.2	5.6	ESE	-
03	12	5.6	16.6	-2.8	7.8	7.5	7.6	7.1	6.2	8.4	54.6	0.0	20.9	0.6	4.9	S	-
03	13	11.6	19.0	2.8	8.6	8.1	7.9	7.2	6.3	8.3	52.3	4.0	17.2	2.1	14.2	WNW	-
03	14	4.5	9.6	-1.7	8.8	8.6	8.5	7.4	6.4	8.3	68.7	1.0	12.6	0.8	5.3	SE	-
03	15	3.7	12.8	-3.5	8.2	8.0	8.1	7.6	6.5	8.3	71.4	0.0	21.2	0.7	5.0	S	-
03	16	7.5	17.9	-1.3	8.6	8.3	8.3	7.7	6.7	8.3	45.1	0.0	21.9	1.6	12.0	W	-
03	17	7.6	16.5	-0.3	9.2	8.7	8.6	7.8	6.8	8.3	56.8	0.0	21.2	0.7	5.6	SE	-
03	18	12.0	18.7	4.0	9.1	8.8	8.9	8.0	6.9	8.3	70.5	21.5	9.0	3.5	17.6	WNW	-
03	19	14.1	24.0	7.3	12.0	10.7	9.8	8.3	6.9	8.3	73.2	0.0	21.4	0.6	6.7	S	-
03	20	11.0	15.8	8.0	11.5	11.1	10.7	8.8	7.0	8.3	82.7	0.5	11.7	0.8	10.8	SSE	-
03	21	6.3	13.4	-0.3	10.8	10.5	10.5	9.1	7.2	8.3	48.5	0.0	22.5	1.3	11.2	SE	-
03	22	8.0	17.5	-1.6	10.5	10.2	10.2	9.3	7.4	8.4	61.8	0.0	21.7	0.7	5.3	SSE	-
03	23	8.6	15.3	3.9	10.9	10.6	10.6	9.4	7.6	8.4	68.2	0.0	15.9	0.7	6.4	SE	-
03	24	5.0	7.0	2.9	9.3	9.6	10.2	9.5	7.7	8.4	92.4	0.0	4.9	0.6	4.1	ESE	-
03	25	4.4	6.6	0.1	7.9	8.5	9.4	9.5	7.9	8.5	92.2	6.0	2.0	0.3	3.5	E	-
03	26	3.3	11.7	-3.8	8.3	8.2	8.8	9.3	8.0	8.5	64.3	0.0	21.7	0.6	5.4	SSE	-
03	27	3.5	9.8	-1.7	7.7	8.1	8.8	9.1	8.1	8.5	83.4	0.0	9.9	0.6	4.6	SE	-
03	28	10.2	20.7	2.8	9.2	8.7	8.9	9.0	8.1	8.6	76.8	0.0	13.5	0.5	3.8	SSW	-
03	29	12.1	19.7	6.4	11.1	10.3	9.9	9.1	8.2	8.6	79.8	0.0	16.9	1.2	5.9	ESE	-
03	30	4.0	7.1	2.7	9.3	9.7	10.3	9.5	8.2	8.7	99.9	1.5	2.0	0.8	4.4	ESE	-
03	31	3.2	4.8	2.1	7.6	8.1	9.2	9.5	8.3	8.7	100.0	0.0	2.7	0.2	4.2	ESE	-
計	Total											46.5					
平均	Mean	6.7	14.5	0.4	8.4	8.1	8.2	7.6	6.7	8.5	66.5	1.5	15.4	1.1	7.8		
最大	Max.	14.1	24.0	8.0	12.0	11.1	10.7	9.5	8.3	8.7	100.0	21.5	22.5	3.5	17.6		
最低	Min.	0.8	4.8	-5.7	4.8	4.8	4.8	4.6	5.4	8.3	34.9	0.0	2.0	0.2	3.5		

代替機器観測日 (The date of observation by alternative hardwares)

2013年 04月

气象月報

秩父演習林栃本

Monthly report of meteorological data at Tochimoto

月	日	气温 °C			平均地温 °C						湿度	降水量	日射量 日合計	風速 m/sec			降雪深 cm
		Air Temperature			Soil Temperature									Wind Velocity			
Date		平均 Mean	最高 Max.	最低 Min.	0.0	0.1	0.2	0.5	1.0	2.0m deep	Hum. %	Prec. mm	MJ/m ²	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
04	1	6.1	12.9	-0.2	9.3	8.8	9.0	9.3	8.4	8.8	82.0	0.0	20.1	0.6	4.6	SE	-
04	2	5.5	6.6	4.0	8.4	8.8	9.5	9.3	8.4	8.8	98.9	15.5	2.3	0.0	1.8	SW	-
04	3	7.4	10.8	5.8	7.7	8.0	8.8	9.3	8.4	8.8	93.9	38.0	5.5	0.4	7.8	NNW	-
04	4	11.4	21.0	3.4	10.3	9.4	9.2	9.2	8.5	8.9	73.4	0.0	23.1	0.6	5.4	SE	-
04	5	12.5	20.0	5.6	12.2	11.3	10.7	9.4	8.5	8.9	80.7	0.0	20.2	0.6	6.1	SE	-
04	6	10.9	15.5	8.4	11.2	11.2	11.2	9.9	8.5	8.9	90.7	42.5	6.2	0.5	5.8	E	-
04	7	11.3	19.6	5.5	11.9	11.5	11.3	10.3	8.6	8.9	70.3	4.0	20.9	2.0	14.1	WNW	-
04	8	8.7	19.1	1.6	11.3	11.2	11.4	10.5	8.8	9.0	46.0	0.0	25.8	1.3	10.3	WSW	-
04	9	11.6	20.8	4.0	11.6	11.3	11.4	10.6	8.9	9.0	46.7	0.0	23.0	0.9	6.7	SE	-
04	10	7.2	12.6	2.5	10.8	11.0	11.4	10.7	9.0	9.1	70.9	0.5	12.4	0.6	6.5	ESE	-
04	11	4.9	12.2	0.5	10.8	10.7	11.1	10.7	9.1	9.1	70.2	1.0	20.4	0.9	6.1	SSE	-
04	12	5.1	13.4	-1.6	10.1	10.2	10.8	10.7	9.2	9.2	58.2	0.0	21.6	0.7	5.2	SE	-
04	13	6.4	15.4	-1.9	10.5	10.4	10.7	10.6	9.3	9.2	62.1	0.0	25.7	0.8	5.0	SE	-
04	14	10.7	20.6	0.9	11.4	11.0	11.1	10.6	9.3	9.2	60.2	0.0	21.8	1.6	14.8	WSW	-
04	15	13.9	21.1	6.6	12.9	12.2	11.8	10.8	9.4	9.3	58.8	0.0	22.3	1.4	9.5	SE	-
04	16	11.0	19.0	5.7	13.1	12.7	12.4	11.1	9.4	9.3	75.8	0.0	19.1	0.6	5.1	SSE	-
04	17	15.6	23.0	7.3	12.6	12.4	12.5	11.4	9.5	9.3	50.0	0.0	13.6	2.1	10.8	W	-
04	18	15.2	22.8	7.5	13.6	12.9	12.6	11.5	9.6	9.4	67.7	0.0	23.5	0.7	6.0	SE	-
04	19	10.0	15.6	3.4	14.4	13.9	13.5	11.8	9.7	9.4	55.7	0.0	22.0	1.2	7.8	ESE	-
04	20	3.3	6.1	0.1	10.9	11.8	12.7	12.0	9.9	9.5	70.4	2.0	5.3	0.4	4.6	ESE	-
04	21	1.7	5.3	0.0	7.6	9.1	10.9	11.8	10.0	9.5	92.6	21.0	5.2	0.2	4.5	NNW	-
04	22	4.7	12.7	-2.0	7.7	8.2	9.5	11.2	10.1	9.6	57.0	6.5	27.1	1.0	7.1	WSW	-
04	23	7.6	15.6	-0.8	9.2	9.1	9.6	10.6	10.1	9.6	67.2	0.0	20.1	0.6	4.5	SE	-
04	24	8.3	12.0	6.0	9.2	9.5	10.2	10.5	10.0	9.6	91.2	9.0	3.0	1.0	11.8	NNE	-
04	25	13.3	20.8	6.3	11.6	10.8	10.6	10.6	9.9	9.7	68.5	0.0	23.5	0.7	6.7	SSE	-
04	26	10.7	18.3	4.6	12.0	11.8	11.7	10.8	9.9	9.7	70.4	0.0	17.0	0.7	6.9	SSE	-
04	27	8.9	16.8	2.5	11.5	11.3	11.6	11.1	9.9	9.8	50.0	0.0	24.7	1.5	10.8	WSW	-
04	28	10.1	19.7	2.2	11.8	11.5	11.7	11.2	10.0	9.8	41.4	0.0	28.0	0.7	8.5	SSW	-
04	29	12.4	21.5	3.7	12.3	12.0	12.0	11.3	10.0	9.9	53.0	0.0	24.4	0.6	4.8	SE	-
04	30	14.4	21.8	10.0	12.8	12.5	12.5	11.5	10.1	9.9	61.4	0.0	14.3	1.2	13.4	WNW	-
計	Total											140.0					
平均	Mean	9.4	16.4	3.4	11.0	10.9	11.1	10.7	9.3	9.3	67.8	4.7	18.1	0.9	7.4		
最大	Max.	15.6	23.0	10.0	14.4	13.9	13.5	12.0	10.1	9.9	98.9	42.5	28.0	2.1	14.8		
最低	Min.	1.7	5.3	-2.0	7.6	8.0	8.8	9.2	8.4	8.8	41.4	0.0	2.3	0.0	1.8		

代替機器観測日 (The date of observation by alternative hardwares)

2013年 05月

气象月報

秩父演習林栃本

Monthly report of meteorological data at Tochimoto

月	日	气温 °C			平均地温 °C						湿度	降水量	日射量 日合計	風速 m/sec			降雪深 cm
		Air Temperature			Soil Temperature									Wind Velocity			
Date		平均 Mean	最高 Max.	最低 Min.	0.0	0.1	0.2	0.5	1.0	2.0m deep	Hum. %	Prec. mm	MJ/m ²	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
05	1	10.7	17.2	6.4	13.3	12.8	12.8	11.7	10.1	9.9	60.2	0.0	17.7	0.7	5.6	ESE	-
05	2	8.8	18.1	2.0	13.4	13.0	13.0	12.0	10.2	10.0	57.8	0.0	23.0	0.8	6.7	SE	-
05	3	8.3	17.6	0.3	12.8	12.6	12.8	12.1	10.3	10.0	62.1	0.0	24.1	0.6	6.8	SE	-
05	4	9.1	18.2	2.3	12.8	12.6	12.8	12.2	10.4	10.1	66.3	0.0	20.9	0.7	6.2	SSW	-
05	5	12.6	22.0	4.0	13.5	13.0	13.0	12.2	10.5	10.1	56.1	0.0	27.6	0.6	5.1	SSE	-
05	6	15.0	23.8	6.6	14.3	13.7	13.5	12.4	10.6	10.2	50.6	0.0	23.4	0.9	9.6	SW	-
05	7	10.6	17.1	4.7	14.0	13.8	13.7	12.6	10.7	10.2	39.1	0.0	28.5	1.3	8.0	WSW	-
05	8	12.5	22.3	4.4	12.9	13.0	13.3	12.7	10.9	10.3	31.3	0.0	22.2	0.7	8.5	W	-
05	9	17.3	28.8	7.2	14.5	13.8	13.5	12.7	11.0	10.3	35.9	0.0	26.8	0.6	6.9	ESE	-
05	10	18.3	26.4	13.1	15.2	14.5	14.2	12.9	11.1	10.4	42.9	0.0	18.0	0.9	15.0	E	-
05	11	13.3	15.9	11.0	14.1	14.1	14.3	13.1	11.1	10.4	86.8	16.5	5.0	0.1	3.2	ESE	-
05	12	16.5	24.1	10.7	16.0	14.9	14.5	13.2	11.0	10.3	77.0	4.0	27.6	0.6	5.7	ESE	-
05	13	15.6	23.3	9.4	16.9	16.1	15.5	13.6	11.1	10.3	82.0	0.0	26.1	0.9	6.7	SSE	-
05	14	19.1	28.2	11.6	17.3	16.5	16.1	14.0	11.3	10.4	54.2	0.0	24.0	0.5	5.2	E	-
05	15	17.2	23.6	11.7	18.1	17.2	16.6	14.3	11.4	10.4	77.3	0.0	27.2	0.8	6.4	ESE	-
05	16	14.9	21.2	10.5	17.2	16.9	16.8	14.7	11.6	10.5	80.2	0.0	14.0	0.5	4.6	ESE	-
05	17	15.2	24.4	7.0	17.0	16.5	16.4	14.9	11.8	10.6	57.9	0.0	29.1	0.9	5.4	SW	-
05	18	16.2	24.4	7.5	17.3	16.7	16.4	15.0	12.1	10.6	70.3	0.0	26.1	0.6	6.2	ESE	-
05	19	15.1	20.5	11.0	17.4	17.0	16.8	15.1	12.3	10.7	82.3	1.0	14.9	0.6	5.5	ESE	-
05	20	15.2	21.5	11.1	16.8	16.4	16.5	15.3	12.4	10.7	91.9	0.5	12.2	0.2	4.1	ESE	-
05	21	18.6	26.4	12.2	18.3	17.3	16.9	15.3	12.5	10.8	82.1	0.0	19.1	0.6	4.6	S	-
05	22	19.1	25.2	13.7	19.5	18.4	17.7	15.6	12.7	10.9	78.8	0.0	22.9	0.6	4.9	SSE	-
05	23	17.8	26.6	11.0	19.1	18.5	18.0	15.9	12.9	11.0	56.4	0.0	27.3	0.9	8.5	ESE	-
05	24	17.2	26.6	8.4	18.3	18.0	17.8	16.1	13.1	11.1	49.1	0.0	28.9	0.7	5.9	SE	-
05	25	15.3	21.2	8.5	18.3	17.9	17.6	16.2	13.3	11.2	73.1	0.0	27.8	0.6	5.7	ESE	-
05	26	18.2	25.9	12.1	19.2	18.5	18.0	16.3	13.5	11.3	76.8	0.0	19.7	0.4	6.4	ESE	-
05	27	16.6	21.6	12.0	17.7	17.7	17.8	16.4	13.6	11.4	84.0	0.0	8.6	0.2	4.0	SE	-
05	28	16.5	21.8	13.6	17.7	17.5	17.5	16.4	13.8	11.4	85.6	0.5	11.8	0.3	3.7	ESE	-
05	29	15.4	18.4	13.4	17.3	17.2	17.4	16.4	13.9	11.5	95.3	3.0	6.3	0.4	4.1	E	-
05	30	15.9	17.8	14.6	16.9	16.8	17.1	16.4	14.0	11.5	98.8	5.0	3.3	0.3	3.6	E	-
05	31	18.5	25.2	12.3	19.2	18.1	17.5	16.3	14.0	11.6	70.9	0.0	29.0	0.5	5.0	ESE	-
計	Total											30.5					
平均	Mean	15.2	22.4	9.2	16.3	15.8	15.7	14.3	11.9	10.6	68.2	1.0	20.7	0.6	6.0		
最大	Max.	19.1	28.8	14.6	19.5	18.5	18.0	16.4	14.0	11.6	98.8	16.5	29.1	1.3	15.0		
最低	Min.	8.3	15.9	0.3	12.8	12.6	12.8	11.7	10.1	9.9	31.3	0.0	3.3	0.1	3.2		

代替機器観測日 (The date of observation by alternative hardwares)

2013年 06月

气象月報

秩父演習林栃本

Monthly report of meteorological data at Tochimoto

月	日	气温 °C			平均地温 °C						湿度	降水量	日射量 日合計	風速 m/sec			降雪深 cm
		Air Temperature			Soil Temperature									Wind Velocity			
Date		平均 Mean	最高 Max.	最低 Min.	0.0	0.1	0.2	0.5	1.0	2.0m deep	Hum. %	Prec. mm	MJ/m ²	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
06	1	16.4	22.9	11.0	18.2	18.0	17.9	16.5	14.1	11.7	64.5	0.0	20.3	0.4	4.2	ESE	-
06	2	16.3	23.7	11.0	18.5	18.0	17.8	16.6	14.2	11.8	74.5	0.0	21.6	0.6	6.2	ESE	-
06	3	18.7	26.7	12.1	19.4	18.7	18.2	16.8	14.3	11.9	63.3	0.0	27.4	0.6	4.5	SE	-
06	4	19.9	29.2	12.0	19.6	19.0	18.5	16.9	14.5	12.0	61.8	0.0	28.2	0.6	5.3	ESE	-
06	5	17.7	25.8	13.5	19.2	19.0	18.7	17.1	14.6	12.2	80.8	1.0	16.7	0.6	5.5	W	-
06	6	16.8	22.0	13.1	18.6	18.4	18.4	17.2	14.7	12.2	85.8	0.0	12.4	0.4	4.6	ESE	-
06	7	16.4	22.1	13.3	18.4	18.2	18.2	17.2	14.8	12.3	81.3	0.5	12.3	0.5	5.7	SSE	-
06	8	16.3	22.7	11.8	18.4	18.2	18.1	17.2	14.9	12.4	83.9	0.0	15.3	0.3	4.3	SSE	-
06	9	19.2	27.5	10.6	19.1	18.5	18.2	17.2	15.0	12.5	66.6	0.0	24.0	0.5	4.9	ESE	-
06	10	19.4	24.8	15.4	19.8	19.2	18.8	17.3	15.1	12.6	75.1	0.0	17.8	0.4	4.1	ESE	-
06	11	16.4	18.0	15.0	18.4	18.6	18.7	17.5	15.2	12.7	90.6	1.0	4.5	0.1	2.6	ESE	-
06	12	17.0	18.9	15.3	18.2	18.1	18.3	17.5	15.2	12.7	98.5	15.5	5.8	0.0	2.4	E	-
06	13	18.1	19.7	17.1	18.2	18.0	18.3	17.5	14.9	12.6	99.0	31.5	5.6	0.1	3.6	E	-
06	14	20.1	23.8	17.4	19.3	18.6	18.6	17.6	14.9	12.7	95.4	4.5	10.5	0.1	2.8	E	-
06	15	20.6	25.9	18.1	19.6	19.3	19.4	17.9	15.0	12.7	94.2	73.5	9.4	0.1	4.0	ESE	-
06	16	19.4	25.0	17.0	19.6	19.4	19.8	18.8	15.5	12.9	94.4	18.0	13.0	0.2	4.0	ESE	-
06	17	21.4	28.0	16.0	21.1	20.3	20.1	18.8	15.7	13.1	85.8	0.0	20.8	0.3	4.8	ESE	-
06	18	20.7	24.4	17.8	20.9	20.6	20.6	19.0	15.8	13.2	90.8	0.0	8.2	0.2	2.8	ESE	-
06	19	20.8	25.4	18.8	20.8	20.4	20.5	19.1	16.0	13.3	93.9	1.0	7.8	0.4	6.5	E	-
06	20	18.0	20.0	15.3	19.6	19.7	20.2	19.2	16.0	13.4	98.0	5.5	3.9	0.1	3.7	SSE	-
06	21	15.8	18.6	13.4	18.0	18.5	19.4	19.2	16.2	13.5	98.3	9.0	4.1	0.1	3.7	W	-
06	22	16.4	22.7	11.7	18.3	18.2	18.9	19.0	16.3	13.6	94.7	4.5	13.3	0.2	3.8	W	-
06	23	17.8	25.8	13.3	20.0	19.4	19.4	18.8	16.3	13.7	90.5	4.5	17.5	0.3	4.6	SE	-
06	24	17.9	22.6	15.4	20.1	19.7	19.9	18.9	16.3	13.7	93.1	2.0	11.1	0.3	4.0	SE	-
06	25	18.3	21.1	15.7	20.1	19.7	19.9	19.1	16.4	13.8	94.2	1.0	9.9	0.2	3.4	ESE	-
06	26	16.5	17.8	15.4	18.5	18.9	19.6	19.2	16.4	13.9	99.1	29.5	3.2	0.1	3.4	ESE	-
06	27	17.6	24.5	14.4	19.6	19.0	19.2	19.1	16.5	14.0	89.5	8.5	19.8	0.3	4.5	SE	-
06	28	17.1	20.1	15.1	19.4	19.4	19.7	19.2	16.7	14.2	92.9	0.0	7.2	0.3	3.3	ESE	-
06	29	19.3	26.0	15.7	20.6	19.9	19.8	19.2	16.7	14.3	85.1	0.0	16.6	0.3	4.0	SE	-
06	30	18.7	22.4	16.8	20.3	20.0	20.2	19.3	16.8	14.4	92.9	0.0	7.4	0.2	4.7	ESE	-
計	Total											211.0					
平均	Mean	18.2	23.3	14.6	19.3	19.0	19.1	18.1	15.5	13.0	86.9	7.0	13.2	0.3	4.2		
最大	Max.	21.4	29.2	18.8	21.1	20.6	20.6	19.3	16.8	14.4	99.1	73.5	28.2	0.6	6.5		
最低	Min.	15.8	17.8	10.6	18.0	18.0	17.8	16.5	14.1	11.7	61.8	0.0	3.2	0.0	2.4		

代替機器観測日 (The date of observation by alternative hardwares)

2013年 07月

气象月報

秩父演習林栃本

Monthly report of meteorological data at Tochimoto

月	日	气温 °C			平均地温 °C						湿度	降水量	日射量 日合計	風速 m/sec			降雪深 cm
		Air Temperature			Soil Temperature									Wind Velocity			
Date		平均 Mean	最高 Max.	最低 Min.	0.0	0.1	0.2	0.5	1.0	2.0m deep	Hum. %	Prec. mm	MJ/m ²	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
07	1	18.4	20.7	16.8	20.1	19.8	20.1	19.5	16.8	14.4	93.9	4.0	8.7	0.3	4.0	ESE	0
07	2	18.9	23.4	16.1	20.5	20.0	20.2	19.5	16.8	14.5	88.6	0.0	11.7	0.2	4.0	ESE	0
07	3	18.0	20.7	16.3	19.7	19.7	20.1	19.6	16.9	14.6	93.7	0.0	6.8	0.2	4.7	ESE	0
07	4	20.3	25.6	16.8	20.5	19.9	20.1	19.6	17.0	14.6	92.5	0.0	11.1	0.2	3.2	ESE	0
07	5	21.3	24.7	18.9	20.8	20.4	20.5	19.6	17.0	14.7	91.7	0.5	7.0	0.3	5.6	NNE	0
07	6	24.3	26.8	21.1	21.0	20.5	20.6	19.7	17.1	14.7	74.9	0.0	7.7	0.9	11.6	WNW	0
07	7	24.1	29.5	20.2	21.9	21.1	20.9	19.9	17.1	14.8	80.2	0.0	14.0	0.3	3.6	E	0
07	8	24.9	32.3	19.0	23.5	22.3	21.7	20.1	17.2	14.9	77.3	0.0	20.4	0.4	5.4	ESE	0
07	9	24.9	33.5	19.0	24.2	23.1	22.5	20.5	17.3	14.9	79.9	0.0	20.6	0.3	4.7	SE	0
07	10	25.9	34.0	18.9	25.0	23.9	23.1	20.9	17.5	15.1	73.1	0.0	22.0	0.4	4.5	ESE	0
07	11	26.8	34.8	20.5	26.1	25.0	23.9	21.3	17.8	15.3	73.5	0.0	23.1	0.4	4.6	SE	0
07	12	26.0	32.8	19.9	26.4	25.6	24.6	21.8	18.0	15.4	72.0	0.0	23.1	0.6	5.8	ESE	0
07	13	22.9	28.0	19.0	24.0	24.3	24.2	22.2	18.3	15.5	76.6	0.0	9.9	0.2	3.1	W	0
07	14	24.8	32.0	19.9	24.7	24.3	23.8	22.2	18.6	15.6	67.0	0.0	18.2	0.3	4.0	S	0
07	15	23.6	31.0	19.1	25.4	24.9	24.2	22.2	18.7	15.6	74.2	1.0	20.5	0.4	4.8	SE	0
07	16	22.3	27.9	17.5	24.6	24.4	24.1	22.4	18.9	15.7	77.1	0.0	19.4	0.4	4.9	ESE	0
07	17	21.3	29.2	18.4	24.4	24.2	24.0	22.4	18.8	15.7	89.6	22.5	14.7	0.3	4.9	ESE	0
07	18	22.8	30.4	18.1	25.0	24.3	23.9	22.5	18.9	15.7	84.9	0.0	21.2	0.3	6.4	ESE	0
07	19	22.2	29.3	15.9	24.7	24.6	24.2	22.6	19.2	15.9	70.2	0.0	25.4	0.5	4.3	SE	0
07	20	20.8	27.9	14.7	24.0	24.1	24.0	22.7	19.4	16.0	78.7	0.0	20.6	0.4	5.0	ESE	0
07	21	22.2	28.8	16.1	24.6	24.3	24.0	22.7	19.6	16.1	78.0	0.0	21.2	0.4	4.8	ESE	0
07	22	22.7	31.8	17.7	24.8	24.5	24.2	22.7	19.6	16.1	85.9	11.5	16.3	0.3	4.7	ESE	0
07	23	23.7	31.1	19.2	25.5	24.9	24.4	22.9	19.7	16.2	87.7	1.0	17.4	0.3	4.8	E	0
07	24	21.2	22.3	20.0	23.5	24.1	24.3	23.0	19.8	16.3	97.5	4.0	3.5	0.2	3.1	E	0
07	25	20.7	23.7	18.6	23.0	23.3	23.5	22.9	20.0	16.5	97.6	1.0	6.5	0.2	3.3	ESE	0
07	26	22.9	28.3	19.1	24.6	24.2	23.7	22.8	20.2	16.6	88.8	0.0	15.4	0.3	4.3	ESE	0
07	27	21.8	28.4	18.2	24.2	24.2	23.9	22.8	20.2	16.6	88.0	16.5	15.5	0.4	6.3	ESE	0
07	28	21.4	28.3	16.9	24.5	24.2	23.9	22.9	20.3	16.7	89.4	0.5	17.7	0.4	3.6	SW	0
07	29	20.5	22.3	19.0	22.9	23.5	23.7	22.9	20.4	16.8	98.2	8.0	4.8	0.1	2.6	ESE	0
07	30	22.7	30.0	18.6	23.9	23.7	23.4	22.8	20.5	16.9	93.1	0.0	11.7	0.2	3.2	ESE	0
07	31	24.0	29.4	20.2	25.3	24.9	24.2	22.9	20.5	17.0	86.5	0.0	15.0	0.3	4.7	ESE	0
計	Total											70.5					
平均	Mean	22.5	28.3	18.4	23.7	23.3	23.0	21.7	18.6	15.7	83.9	2.3	15.2	0.3	4.6		0.0
最大	Max.	26.8	34.8	21.1	26.4	25.6	24.6	23.0	20.5	17.0	98.2	22.5	25.4	0.9	11.6		0.0
最低	Min.	18.0	20.7	14.7	19.7	19.7	20.1	19.5	16.8	14.4	67.0	0.0	3.5	0.1	2.6		0.0

代替機器観測日 (The date of observation by alternative hardwares)

2013年 08月

气象月報

秩父演習林栃本

Monthly report of meteorological data at Tochimoto

月	日	气温 °C			平均地温 °C						湿度	降水量	日射量 日合計	風速 m/sec			降雪深 cm
		Air Temperature			Soil Temperature									Wind Velocity			
Date		平均 Mean	最高 Max.	最低 Min.	0.0	0.1	0.2	0.5	1.0	2.0m deep	Hum. %	Prec. mm	MJ/m ²	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
08	1	23.7	29.8	20.5	25.5	25.2	24.6	23.1	20.6	17.1	87.7	1.0	15.1	0.4	5.0	SSE	0
08	2	22.5	28.4	18.6	24.9	24.9	24.6	23.3	20.6	17.2	88.3	1.5	14.5	0.4	4.8	ESE	0
08	3	22.6	28.2	18.7	25.4	25.2	24.7	23.3	20.7	17.3	82.8	0.0	17.7	0.3	4.2	SE	0
08	4	21.6	27.5	17.3	23.9	24.3	24.4	23.4	20.8	17.4	88.2	0.5	12.0	0.2	3.9	SSE	0
08	5	23.5	28.5	20.6	25.1	24.9	24.4	23.4	20.9	17.4	88.0	1.0	13.2	0.4	4.9	ESE	0
08	6	22.9	27.0	19.8	24.5	24.7	24.5	23.4	20.9	17.5	90.6	15.0	10.6	0.2	3.1	SE	0
08	7	24.0	32.3	17.3	26.0	25.4	24.6	23.4	21.0	17.6	80.8	0.0	24.0	0.4	4.7	SE	0
08	8	24.9	31.8	18.9	26.3	25.9	25.2	23.6	21.1	17.7	77.9	0.0	20.8	0.3	3.6	SE	0
08	9	26.8	34.6	20.3	27.5	26.8	25.8	23.9	21.2	17.7	75.6	0.0	23.4	0.3	4.4	SSE	0
08	10	27.6	35.4	22.2	28.2	27.5	26.5	24.2	21.2	17.8	72.7	0.0	22.6	0.4	5.6	SE	0
08	11	24.7	34.1	20.7	26.8	26.9	26.4	24.5	21.3	17.8	85.9	30.5	18.4	0.5	6.6	W	0
08	12	25.2	32.0	20.5	26.8	26.5	26.0	24.7	21.5	17.9	84.4	0.0	18.3	0.3	3.8	S	0
08	13	24.6	30.1	21.0	26.9	26.8	26.3	24.7	21.7	18.0	83.5	0.0	16.1	0.3	4.4	ESE	0
08	14	25.0	32.5	19.0	26.9	26.7	26.1	24.8	21.8	18.1	75.0	0.0	24.1	0.4	5.0	SSE	0
08	15	24.9	33.2	18.9	26.6	26.6	26.2	24.8	21.9	18.2	76.2	0.0	19.4	0.3	4.0	S	0
08	16	23.7	32.1	19.5	26.5	26.5	26.2	24.9	22.0	18.3	83.6	6.5	19.4	0.4	5.7	SE	0
08	17	24.1	31.5	17.7	26.3	26.3	25.9	24.9	22.1	18.3	82.6	0.0	22.8	0.3	4.0	SE	0
08	18	25.0	31.7	19.2	26.9	26.8	26.2	24.9	22.2	18.4	79.5	0.0	22.3	0.4	4.3	SSE	0
08	19	25.6	33.0	20.2	27.7	27.3	26.6	25.0	22.2	18.5	77.6	0.0	22.0	0.3	4.2	SSE	0
08	20	24.8	30.5	20.2	26.6	26.8	26.5	25.2	22.3	18.5	82.5	0.0	14.8	0.3	4.0	ESE	0
08	21	24.8	29.7	21.4	26.6	26.5	26.3	25.2	22.2	18.6	87.4	0.0	11.9	0.3	3.8	ESE	0
08	22	25.5	31.8	20.4	27.7	27.1	26.5	25.2	22.3	18.6	81.8	0.0	19.0	0.3	4.9	ESE	0
08	23	22.4	24.6	20.9	24.7	25.5	26.1	25.3	22.2	18.6	94.9	27.0	3.2	0.0	2.5	S	0
08	24	21.5	24.3	19.8	23.4	24.1	24.7	25.0	22.3	18.8	96.4	0.0	5.8	0.0	2.7	W	0
08	25	19.8	22.1	17.3	22.5	23.4	24.1	24.6	22.4	18.9	97.0	8.5	5.5	0.0	2.3	WNW	0
08	26	19.2	26.7	12.7	22.5	23.1	23.5	24.3	22.5	19.0	86.1	20.5	16.3	0.1	3.2	W	0
08	27	20.2	28.1	16.0	23.9	23.8	23.8	24.0	22.4	19.0	84.4	5.5	21.5	0.2	3.7	SSW	0
08	28	21.1	30.1	14.8	24.1	24.2	24.1	23.9	22.5	19.1	76.1	0.0	21.2	0.3	4.2	SSW	0
08	29	22.0	28.7	16.2	24.9	24.7	24.5	24.0	22.4	19.2	81.1	0.0	23.1	0.4	4.6	SE	0
08	30	24.2	33.3	18.7	25.1	25.0	24.8	24.1	22.3	19.3	79.5	0.0	14.9	0.3	4.0	WSW	0
08	31	25.0	31.1	19.5	26.2	25.7	25.2	24.2	22.3	19.3	78.3	0.0	20.3	0.4	4.9	SSE	0
計	Total											117.5					
平均	Mean	23.7	30.2	19.0	25.7	25.6	25.3	24.3	21.7	18.2	83.4	3.8	17.2	0.3	4.2		0.0
最大	Max.	27.6	35.4	22.2	28.2	27.5	26.6	25.3	22.5	19.3	97.0	30.5	24.1	0.5	6.6		0.0
最低	Min.	19.2	22.1	12.7	22.5	23.1	23.5	23.1	20.6	17.1	72.7	0.0	3.2	0.0	2.3		0.0

代替機器観測日 (The date of observation by alternative hardwares)

2013年 09月

气象月報

秩父演習林栃本

Monthly report of meteorological data at Tochimoto

月	日	气温 °C			平均地温 °C						湿度	降水量	日射量 日合計	風速 m/sec			降雪深 cm
		Air Temperature			Soil Temperature									Wind Velocity			
Date		平均 Mean	最高 Max.	最低 Min.	0.0	0.1	0.2	0.5	1.0	2.0m deep	Hum. %	Prec. mm	MJ/m ²	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
09	1	24.5	31.0	20.6	25.7	25.6	25.5	24.4	22.2	19.3	84.4	2.5	14.5	0.4	4.2	E	0
09	2	21.4	23.9	19.3	23.9	24.5	25.0	24.5	22.1	19.3	96.5	0.5	6.1	0.3	4.3	ESE	0
09	3	22.2	28.8	18.7	24.2	24.3	24.5	24.4	22.2	19.4	88.7	0.0	14.8	0.4	5.1	SSW	0
09	4	20.3	23.4	17.2	22.8	23.5	24.1	24.3	22.2	19.5	94.6	13.0	8.6	0.3	4.7	ESE	0
09	5	22.0	27.5	19.6	23.9	23.7	23.9	24.0	22.1	19.5	93.5	16.0	15.4	0.3	4.6	SE	0
09	6	20.7	27.0	18.5	23.5	23.8	24.2	24.0	22.0	19.5	93.5	3.0	9.6	0.4	5.2	ESE	0
09	7	19.0	20.7	17.8	21.6	22.6	23.4	23.9	22.0	19.5	98.6	1.0	3.5	0.0	2.5	E	0
09	8	19.5	21.2	18.2	21.2	22.0	22.8	23.7	22.1	19.6	99.6	5.0	2.5	0.0	2.5	ESE	0
09	9	19.5	24.7	17.0	22.7	22.7	22.8	23.4	22.0	19.6	89.2	0.0	14.4	0.3	4.8	ESE	0
09	10	18.4	22.0	16.8	21.1	21.9	22.7	23.3	21.9	19.6	93.0	0.0	5.2	0.2	3.3	ESE	0
09	11	18.2	19.4	17.0	20.3	21.1	22.0	23.1	21.9	19.7	98.2	0.0	3.1	0.1	2.5	ESE	0
09	12	21.2	28.6	16.3	22.6	22.3	22.3	22.9	21.9	19.7	89.6	1.0	14.8	0.2	4.0	S	0
09	13	21.7	27.2	18.5	22.9	22.9	23.0	22.9	21.7	19.7	91.7	0.0	8.7	0.2	3.1	SE	0
09	14	22.2	27.8	18.4	23.4	23.2	23.2	23.0	21.6	19.7	88.3	0.0	13.4	0.4	4.7	ESE	0
09	15	20.0	23.0	18.2	21.7	22.2	22.8	23.1	21.4	19.7	97.5	52.0	6.7	0.1	3.4	ESE	0
09	16	18.7	21.9	11.1	19.6	20.7	21.5	22.7	21.6	20.0	93.1	129.5	3.6	0.6	13.5	NW	0
09	17	16.8	27.3	9.2	19.5	20.0	20.5	22.2	21.8	20.5	65.8	0.0	23.1	0.5	4.2	W	0
09	18	17.4	26.1	11.0	20.5	20.8	21.1	22.0	21.7	20.4	71.3	0.0	21.5	0.4	4.9	SSW	0
09	19	17.9	26.1	12.1	21.0	21.2	21.4	22.0	21.5	20.4	74.3	0.0	21.4	0.4	5.2	SSE	0
09	20	18.4	26.8	11.6	21.6	21.7	21.7	22.0	21.4	20.4	81.3	0.0	20.5	0.4	4.6	S	0
09	21	19.3	27.2	13.7	22.0	22.1	22.1	22.1	21.4	20.3	77.1	0.0	18.3	0.4	4.5	SSW	0
09	22	19.5	26.8	14.6	21.6	21.8	22.0	22.2	21.3	20.3	78.8	0.0	15.4	0.3	3.6	SSE	0
09	23	15.2	17.3	14.0	19.4	20.6	21.5	22.2	21.2	20.3	96.0	3.0	3.7	0.3	3.9	E	0
09	24	17.2	23.0	13.6	19.9	20.2	20.7	21.9	21.2	20.2	93.9	2.0	11.4	0.2	4.0	SE	0
09	25	19.3	24.0	15.6	20.8	20.9	21.2	21.7	21.1	20.2	93.1	0.5	8.9	0.1	3.4	SE	0
09	26	17.1	22.8	9.8	20.5	21.1	21.4	21.7	21.0	20.1	83.7	2.0	9.5	0.3	4.9	WSW	0
09	27	13.0	21.6	6.3	18.6	19.5	20.4	21.7	20.9	20.1	71.7	0.0	20.9	0.6	4.7	SW	0
09	28	13.9	21.5	7.2	18.9	19.5	20.1	21.4	20.9	20.1	81.5	0.0	19.8	0.5	4.6	S	0
09	29	16.0	23.2	10.5	20.1	20.1	20.4	21.2	20.8	20.0	79.8	0.0	19.1	0.6	4.2	SSW	0
09	30	16.0	22.5	9.8	20.2	20.4	20.6	21.2	20.7	20.0	80.6	0.0	18.3	0.6	4.9	SSW	0
計	Total											231.0					
平均	Mean	18.9	24.5	14.7	21.5	21.9	22.3	22.8	21.6	19.9	87.3	7.7	12.5	0.3	4.5		0.0
最大	Max.	24.5	31.0	20.6	25.7	25.6	25.5	24.5	22.2	20.5	99.6	129.5	23.1	0.6	13.5		0.0
最低	Min.	13.0	17.3	6.3	18.6	19.5	20.1	21.2	20.7	19.3	65.8	0.0	2.5	0.0	2.5		0.0

代替機器観測日 (The date of observation by alternative hardwares)

2013年 10月

气象月報

秩父演習林栃本

Monthly report of meteorological data at Tochimoto

月	日	气温 °C			平均地温 °C						湿度	降水量	日射量 日合計	風速 m/sec			降雪深 cm
		Air Temperature			Soil Temperature									Wind Velocity			
Date		平均 Mean	最高 Max.	最低 Min.	0.0	0.1	0.2	0.5	1.0	2.0m deep	Hum. %	Prec. mm	MJ/m ²	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
10	1	17.2	19.8	14.4	19.0	19.7	20.4	21.2	20.5	19.9	97.1	4.5	3.6	0.1	2.5	W	0
10	2	19.5	25.5	16.9	20.5	20.3	20.5	21.1	20.5	19.9	94.6	1.0	9.5	0.1	2.5	SW	0
10	3	17.5	22.5	14.6	19.5	20.1	20.7	21.1	20.4	19.9	94.6	2.5	5.1	0.3	4.7	WSW	0
10	4	13.9	15.2	13.2	17.5	18.7	19.8	21.0	20.3	19.8	99.4	2.0	2.2	0.2	2.9	ESE	0
10	5	15.4	17.8	12.9	17.4	18.1	19.0	20.7	20.2	19.8	99.3	8.5	4.6	0.0	0.0	N	0
10	6	18.4	24.2	14.6	19.6	19.3	19.5	20.4	20.1	19.8	93.3	0.0	12.6	0.3	3.9	ESE	0
10	7	17.7	21.3	14.2	19.1	19.5	19.9	20.5	20.1	19.7	94.3	0.0	6.2	0.2	3.5	ESE	0
10	8	18.7	25.1	13.6	19.8	19.8	20.0	20.5	20.0	19.7	88.9	0.0	13.6	0.4	4.7	S	0
10	9	20.3	25.4	16.8	19.1	19.6	20.1	20.6	20.0	19.7	77.3	0.0	5.7	1.5	10.7	WNW	0
10	10	19.0	24.9	15.6	19.0	19.3	19.8	20.5	19.9	19.6	89.4	0.0	6.9	0.4	4.1	ESE	0
10	11	20.0	28.1	16.1	20.6	20.4	20.3	20.5	20.0	19.6	79.0	1.0	14.3	1.3	10.3	WNW	0
10	12	18.8	27.6	9.9	21.1	21.0	20.8	20.6	20.1	19.7	69.9	0.0	17.7	0.7	5.0	WSW	0
10	13	13.5	23.7	6.8	19.3	20.0	20.5	20.7	20.1	19.7	65.5	0.0	18.0	0.8	4.5	WSW	0
10	14	12.9	20.1	7.7	18.8	19.4	19.9	20.6	20.1	19.6	78.7	0.0	16.8	0.6	4.9	SW	0
10	15	12.1	13.9	9.1	15.8	17.5	18.9	20.3	20.0	19.6	96.9	53.0	2.4	0.2	3.3	W	0
10	16	13.4	19.4	7.8	14.8	15.4	16.1	18.6	19.7	19.6	84.4	86.5	8.8	0.9	10.4	NW	0
10	17	10.1	17.9	4.7	14.0	14.9	15.6	17.8	19.5	19.7	78.5	0.0	12.4	0.5	4.4	SW	0
10	18	11.0	15.8	7.1	15.0	15.5	16.0	17.6	19.2	19.6	85.6	0.0	10.8	0.4	4.3	SE	0
10	19	10.0	11.6	8.7	13.7	15.0	15.9	17.6	19.1	19.6	97.7	3.5	2.9	0.2	3.1	ESE	0
10	20	11.2	12.0	10.1	12.8	14.0	15.0	17.3	18.7	19.5	99.9	43.0	2.1	0.1	2.4	ESE	0
10	21	14.1	18.2	10.3	14.6	14.7	15.0	16.8	18.5	19.5	95.6	0.0	8.4	0.1	3.4	ESE	0
10	22	12.4	13.9	10.7	14.6	15.3	15.7	16.8	18.3	19.4	100.0	5.5	2.4	0.2	3.4	E	0
10	23	10.7	12.0	9.5	13.4	14.5	15.3	16.9	18.2	19.4	100.0	6.5	1.9	0.1	3.1	E	0
10	24	10.7	12.1	9.3	13.2	14.1	14.9	16.7	18.1	19.3	99.5	1.0	3.2	0.0	2.4	ESE	0
10	25	13.6	16.0	11.0	14.4	14.7	15.1	16.5	17.9	19.2	99.8	44.0	3.7	0.0	1.8	SSE	0
10	26	10.5	13.9	5.1	13.3	14.3	14.9	16.2	17.4	19.1	95.0	38.5	5.1	0.2	6.5	NW	0
10	27	9.1	18.6	3.8	13.0	13.6	14.1	15.9	17.3	19.1	78.5	0.0	16.2	0.6	6.6	WSW	0
10	28	8.8	17.2	2.8	13.2	13.7	14.3	15.7	17.2	19.0	81.3	0.0	15.6	0.6	4.0	SW	0
10	29	9.3	13.2	5.5	12.1	13.2	14.1	15.7	17.1	18.9	94.9	5.0	5.7	0.1	2.8	WSW	0
10	30	12.2	19.7	6.5	14.5	14.3	14.3	15.5	17.0	18.7	88.5	0.0	13.6	0.4	4.5	SSW	0
10	31	10.6	18.6	5.7	13.6	14.1	14.6	15.5	16.9	18.7	77.7	0.0	12.1	0.7	4.2	W	0
計	Total											306.0					
平均	Mean	13.9	18.9	10.2	16.3	16.9	17.4	18.6	19.1	19.5	89.5	9.9	8.5	0.4	4.3		0.0
最大	Max.	20.3	28.1	16.9	21.1	21.0	20.8	21.2	20.5	19.9	100.0	86.5	18.0	1.5	10.7		0.0
最低	Min.	8.8	11.6	2.8	12.1	13.2	14.1	15.5	16.9	18.7	65.5	0.0	1.9	0.0	0.0		0.0

代替機器観測日 (The date of observation by alternative hardwares)

2013年 11月

气象月報

秩父演習林栃本

Monthly report of meteorological data at Tochimoto

月	日	气温 °C			平均地温 °C						湿度	降水量	日射量 日合計	風速 m/sec			降雪深 cm
		Air Temperature			Soil Temperature									Wind Velocity			
Date		平均 Mean	最高 Max.	最低 Min.	0.0	0.1	0.2	0.5	1.0	2.0m deep	Hum. %	Prec. mm	MJ/m ²	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
11	1	9.8	18.4	4.9	13.2	13.8	14.4	15.5	16.8	18.6	76.1	0.0	13.1	0.7	3.9	W	0
11	2	9.6	16.5	4.2	12.8	13.4	14.0	15.4	16.7	18.5	87.6	0.0	10.8	0.4	4.9	S	0
11	3	11.9	18.7	8.0	13.1	13.6	14.1	15.3	16.6	18.4	82.6	0.0	7.0	0.2	2.9	NW	0
11	4	11.8	19.1	6.1	13.7	14.1	14.4	15.3	16.5	18.3	86.6	2.5	6.8	0.3	5.4	NW	0
11	5	9.4	17.5	4.7	12.9	13.5	14.0	15.2	16.4	18.3	70.6	0.0	13.8	0.6	4.8	WSW	0
11	6	8.9	17.0	2.9	12.6	13.1	13.8	15.1	16.3	18.2	78.1	0.0	14.0	0.6	4.4	WSW	0
11	7	10.1	15.9	6.2	12.5	13.2	13.8	15.0	16.2	18.1	88.8	5.5	7.4	0.3	5.7	NNW	0
11	8	9.5	18.8	4.2	12.3	12.8	13.4	14.9	16.2	18.0	69.5	0.0	13.8	0.7	4.4	W	0
11	9	7.2	12.6	3.3	11.2	12.1	13.1	14.7	16.1	17.9	88.1	0.0	8.8	0.9	4.8	ESE	0
11	10	10.7	20.4	6.3	11.8	12.3	12.9	14.5	16.0	17.8	87.2	0.0	6.7	0.9	11.9	NNW	0
11	11	6.9	13.0	0.1	11.4	12.4	13.1	14.4	15.9	17.8	76.0	0.0	7.8	0.8	8.8	S	0
11	12	2.9	11.1	-1.8	8.6	10.3	11.7	14.2	15.8	17.7	69.4	0.0	9.7	0.7	4.0	NNW	0
11	13	2.8	11.0	-1.3	8.2	9.6	10.9	13.7	15.7	17.6	70.2	0.0	11.1	0.8	5.4	WSW	0
11	14	3.8	11.7	-1.6	8.5	9.4	10.5	13.3	15.6	17.6	73.6	0.0	12.5	0.8	4.9	SSE	0
11	15	4.6	7.8	1.9	7.5	9.1	10.4	13.0	15.4	17.5	94.6	1.0	1.8	0.3	3.4	WNW	0
11	16	6.5	15.1	1.2	8.9	9.3	10.1	12.6	15.2	17.4	75.8	0.0	13.0	0.7	4.1	WSW	0
11	17	7.2	15.5	2.1	9.6	10.0	10.6	12.5	15.0	17.3	72.5	0.0	12.5	0.5	3.9	SW	0
11	18	8.9	17.4	3.7	10.4	10.6	10.9	12.5	14.8	17.2	70.4	0.0	12.2	0.6	4.9	WSW	0
11	19	5.0	13.4	0.4	9.2	10.2	11.0	12.5	14.7	17.2	47.2	0.0	13.5	1.0	9.6	W	0
11	20	5.8	14.6	0.3	8.3	9.3	10.2	12.3	14.5	17.1	47.2	0.0	12.8	1.2	8.5	W	0
11	21	5.6	15.5	1.1	8.4	9.2	10.0	12.1	14.4	17.0	56.6	0.0	11.4	0.8	5.5	W	0
11	22	5.4	14.8	0.8	7.8	8.7	9.7	11.9	14.3	16.9	62.2	0.0	9.8	0.7	4.1	WNW	0
11	23	5.4	14.7	0.1	8.2	8.8	9.5	11.6	14.1	16.8	64.9	0.0	12.5	0.8	4.2	W	0
11	24	6.6	16.3	0.9	8.6	9.0	9.6	11.5	14.0	16.8	65.3	0.0	11.9	0.8	4.2	W	0
11	25	5.4	8.1	2.2	7.0	8.3	9.4	11.4	13.8	16.7	88.6	16.0	2.6	0.7	7.3	ENE	0
11	26	6.9	15.4	0.4	9.0	9.1	9.4	11.1	13.6	16.5	75.0	0.0	12.2	0.4	5.3	SW	0
11	27	5.5	12.2	-0.7	7.9	8.5	9.3	11.1	13.5	16.5	64.8	0.5	10.8	1.4	12.7	WSW	0
11	28	7.9	15.1	-1.1	8.2	8.9	9.5	11.0	13.3	16.3	41.5	0.0	9.7	1.4	9.2	W	0
11	29	2.9	10.9	-2.3	6.2	7.4	8.6	10.9	13.2	16.3	45.5	0.0	11.9	0.7	10.3	W	0
11	30	2.6	11.2	-2.2	6.0	7.0	8.1	10.6	13.1	16.2	57.8	0.0	11.8	0.5	4.1	SW	0
計	Total											25.5					
平均	Mean	6.9	14.6	1.8	9.8	10.6	11.3	13.2	15.1	17.4	71.1	0.9	10.5	0.7	5.9		0.0
最大	Max.	11.9	20.4	8.0	13.7	14.1	14.4	15.5	16.8	18.6	94.6	16.0	14.0	1.4	12.7		0.0
最低	Min.	2.6	7.8	-2.3	6.0	7.0	8.1	10.6	13.1	16.2	41.5	0.0	1.8	0.2	2.9		0.0

代替機器観測日 (The date of observation by alternative hardwares)

2013年 12月

气象月報

秩父演習林栃本

Monthly report of meteorological data at Tochimoto

月	日	气温 °C			平均地温 °C						湿度	降水量	日射量 日合計	風速 m/sec			降雪深 cm
		Air Temperature			Soil Temperature									Wind Velocity			
Date		平均 Mean	最高 Max.	最低 Min.	0.0	0.1	0.2	0.5	1.0	2.0m deep	Hum. %	Prec. mm	MJ/m ²	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
12	1	4.7	14.8	-0.7	6.2	7.0	7.9	10.3	13.0	16.1	59.3	0.0	10.5	0.7	4.0	W	0
12	2	4.7	14.3	-0.7	6.6	7.2	7.9	10.1	12.8	16.0	69.9	0.0	10.7	0.6	3.6	WSW	0
12	3	4.8	13.6	-0.1	6.5	7.2	7.9	10.0	12.7	15.9	68.5	0.0	9.8	0.5	4.3	SSW	0
12	4	3.8	11.3	-0.3	6.0	6.9	7.8	9.9	12.5	15.8	78.3	0.0	8.5	0.6	4.2	W	0
12	5	4.9	14.0	0.1	6.4	7.0	7.6	9.7	12.4	15.7	69.2	0.0	11.0	0.7	4.4	WSW	0
12	6	5.7	15.0	0.8	6.0	6.9	7.7	9.6	12.3	15.6	59.3	0.0	8.9	1.1	10.0	WNW	0
12	7	3.6	12.4	-0.5	5.8	6.6	7.4	9.5	12.1	15.5	68.8	0.0	10.6	0.6	5.5	ESE	0
12	8	2.4	10.7	-1.8	5.7	6.5	7.3	9.4	12.0	15.5	67.9	0.0	10.9	0.6	5.5	S	0
12	9	1.6	8.6	-2.4	4.7	5.9	6.9	9.2	11.9	15.4	73.7	0.0	8.6	0.6	4.8	S	0
12	10	5.1	11.1	0.2	5.5	6.1	6.8	9.0	11.7	15.3	76.8	12.5	5.6	1.3	16.6	WNW	0
12	11	2.4	8.9	-2.1	4.6	5.6	6.5	8.8	11.6	15.2	70.0	0.0	9.1	0.2	4.6	S	0
12	12	2.9	9.0	-2.0	4.4	5.3	6.3	8.6	11.5	15.1	45.9	0.0	10.2	0.8	8.5	W	0
12	13	2.6	9.2	-2.1	3.3	4.6	5.8	8.5	11.4	15.0	49.3	0.0	6.6	1.1	10.5	W	0
12	14	1.5	9.4	-3.6	3.6	4.4	5.5	8.2	11.2	14.9	44.9	0.0	11.0	0.4	6.1	S	0
12	15	2.9	9.6	-1.6	4.0	4.7	5.5	8.0	11.1	14.8	41.7	0.0	10.9	1.1	11.3	W	0
12	16	1.7	9.1	-1.7	3.9	4.6	5.5	7.8	10.9	14.8	42.2	0.0	10.6	1.0	7.4	W	0
12	17	2.2	9.0	-1.2	3.7	4.5	5.4	7.7	10.8	14.7	57.2	0.0	7.6	0.3	3.7	SSE	0
12	18	0.2	2.3	-0.9	2.7	4.0	5.1	7.6	10.6	14.6	87.8	0.0	1.2	0.0	0.9	W	0
12	19	0.8	3.1	-0.8	2.2	3.5	4.7	7.4	10.5	14.5	98.0	10.5	2.2	0.0	0.0	N	16
12	20	-0.3	1.6	-3.3	2.0	3.2	4.3	7.1	10.3	14.4	98.2	8.0	0.7	0.0	2.7	E	0
12	21	0.3	6.8	-3.3	2.0	3.0	4.1	6.8	10.2	14.3	92.7	10.0	6.3	0.1	3.7	W	0
12	22	0.4	7.8	-4.3	1.9	2.8	3.9	6.6	10.0	14.2	72.2	4.5	11.0	0.5	6.8	SW	0
12	23	-1.4	5.9	-5.9	0.4	2.0	3.4	6.4	9.8	14.1	75.5	1.0	6.5	0.2	3.1	SW	0
12	24	0.4	9.7	-4.0	2.0	2.5	3.3	6.1	9.6	14.0	65.2	0.0	10.1	0.6	7.2	WSW	0
12	25	-1.0	7.7	-6.2	1.9	2.6	3.5	5.9	9.5	14.0	64.3	0.0	11.0	0.5	4.0	SW	0
12	26	1.3	9.1	-3.2	1.7	2.5	3.4	5.8	9.3	13.9	74.8	1.5	6.9	0.4	9.4	W	0
12	27	0.7	3.4	-2.8	2.0	2.8	3.5	5.7	9.1	13.7	87.4	2.0	2.4	0.0	2.7	W	1
12	28	-1.4	5.0	-5.2	1.0	2.1	3.2	5.6	9.0	13.6	46.0	0.0	9.5	0.8	9.2	WSW	0
12	29	-2.1	6.5	-7.1	0.7	1.7	2.8	5.4	8.8	13.5	52.7	0.0	10.7	0.3	4.1	SSW	0
12	30	0.2	9.4	-4.6	1.2	1.8	2.7	5.2	8.7	13.4	52.9	0.0	11.2	0.4	3.0	SSW	0
12	31	1.8	10.9	-2.8	2.0	2.3	2.9	5.1	8.5	13.3	58.3	0.0	10.7	0.5	4.2	WSW	0
計	Total											50.0					
平均	Mean	1.8	9.0	-2.4	3.6	4.4	5.4	7.8	10.8	14.7	66.7	1.6	8.4	0.5	5.7		0.5
最大	Max.	5.7	15.0	0.8	6.6	7.2	7.9	10.3	13.0	16.1	98.2	12.5	11.2	1.3	16.6		16.0
最低	Min.	-2.1	1.6	-7.1	0.4	1.7	2.7	5.1	8.5	13.3	41.7	0.0	0.7	0.0	0.0		0.0

代替機器観測日 (The date of observation by alternative hardwares)