

2014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
		平均	最高	最低	0.0	0.1	0.2	0.5	1.0	2.0m deep				Hum. %	Prec. mm	MJ/m <sup>2</sup>	
Date		Mean	Max.	Min.										Mean	Max.	Dir.	Snowfall Depth
01	1	4.5	12.8	-2.0	2.8	3.0	3.3	5.0	8.3	13.2	48.2	0.0	11.0	0.9	8.0	W	0
01	2	2.6	10.7	-3.1	3.2	3.4	3.7	5.1	8.2	13.1	59.1	0.0	11.1	0.9	10.9	S	0
01	3	-0.2	7.9	-4.5	2.4	3.0	3.6	5.2	8.1	13.0	68.2	0.0	10.0	0.4	4.3	SSE	0
01	4	1.3	9.7	-3.5	2.3	2.9	3.5	5.1	8.0	12.8	67.2	0.0	7.8	0.3	3.9	SE	0
01	5	-1.2	6.7	-5.6	2.1	2.7	3.3	5.1	7.9	12.7	65.7	0.0	10.5	0.5	4.0	SE	0
01	6	-1.5	6.3	-6.0	1.9	2.5	3.2	5.0	7.8	12.6	52.8	0.0	10.5	0.6	8.2	WSW	0
01	7	-1.5	7.6	-7.2	1.4	2.1	2.9	4.9	7.7	12.5	52.6	0.0	11.5	0.5	4.6	SSE	0
01	8	2.5	12.6	-2.9	2.3	2.5	3.0	4.8	7.7	12.4	68.1	1.0	8.1	0.3	3.4	S	0
01	9	1.6	7.8	-4.4	3.5	3.4	3.6	4.8	7.5	12.3	75.3	11.0	9.9	0.9	7.4	W	4
01	10	-3.5	3.8	-7.8	1.8	2.7	3.4	4.9	7.5	12.2	56.0	0.0	12.0	0.7	7.3	SW	0
01	11	-1.9	6.6	-7.2	1.5	2.2	2.9	4.8	7.4	12.1	59.6	0.0	11.7	0.6	4.3	SSW	0
01	12	-0.5	8.9	-6.1	1.7	2.2	2.8	4.6	7.3	12.0	60.9	0.0	11.2	0.5	3.4	SSW	0
01	13	-1.1	6.4	-7.0	2.2	2.5	2.9	4.5	7.3	11.9	61.3	0.0	11.9	0.6	4.9	SE	0
01	14	-3.2	5.6	-8.5	1.3	2.1	2.8	4.5	7.2	11.8	59.3	0.0	11.1	0.5	4.0	SSW	0
01	15	-3.1	3.7	-6.1	0.3	1.4	2.4	4.4	7.1	11.8	68.0	0.0	4.8	0.2	4.6	S	0
01	16	-1.5	7.8	-7.1	0.9	1.4	2.1	4.2	7.0	11.7	61.3	0.0	12.4	0.6	3.4	SSW	0
01	17	-1.1	8.0	-5.6	1.5	1.8	2.3	4.1	6.9	11.6	64.2	0.0	11.6	0.6	5.2	SSW	0
01	18	-1.2	6.6	-6.1	1.6	2.0	2.5	4.1	6.8	11.5	64.5	0.0	11.0	0.7	4.6	SW	0
01	19	-2.2	3.8	-7.0	2.5	2.5	2.7	4.1	6.7	11.4	54.3	0.0	12.9	0.7	8.2	WSW	0
01	20	-1.3	6.6	-7.1	1.9	2.3	2.7	4.1	6.7	11.3	50.8	0.0	11.8	0.3	6.2	S	0
01	21	1.6	11.1	-2.6	3.1	2.9	3.0	4.1	6.6	11.3	72.0	0.0	9.8	0.3	5.1	SE	0
01	22	-2.0	5.8	-6.6	3.3	3.4	3.5	4.2	6.5	11.2	76.3	3.5	8.0	0.2	5.4	WSW	10
01	23	-1.1	9.9	-7.7	2.5	2.8	3.2	4.3	6.5	11.1	62.8	0.0	13.3	0.2	5.2	SSE	0
01	24	0.7	10.3	-5.9	2.8	2.9	3.2	4.3	6.5	11.0	62.1	0.0	12.9	0.1	3.3	S	0
01	25	4.0	12.9	-0.8	2.6	3.0	3.3	4.3	6.4	10.9	47.8	0.0	8.5	0.2	6.1	WSW	0
01	26	4.3	13.1	-4.4	3.6	3.6	3.6	4.3	6.4	10.9	60.7	0.0	7.3	1.4	9.8	W	0
01	27	-1.1	7.4	-6.4	3.4	3.5	3.7	4.5	6.4	10.8	42.0	0.0	13.8	0.5	5.2	SSE	0
01	28	2.8	14.7	-5.9	3.4	3.5	3.7	4.5	6.4	10.7	50.0	0.0	13.1	0.6	10.8	W	0
01	29	2.8	12.1	-2.9	4.3	4.1	4.0	4.6	6.3	10.6	55.9	0.0	14.0	0.4	4.2	SSE	0
01	30	3.7	11.3	-2.4	2.6	3.4	3.9	4.7	6.3	10.5	70.2	6.0	5.2	1.4	11.2	WNW	0
01	31	6.7	13.4	-1.8	5.2	4.6	4.2	4.7	6.3	10.5	44.3	0.0	14.4	1.3	11.5	W	0
計	Total											21.5					
平均	Mean	0.3	8.8	-5.2	2.4	2.8	3.2	4.6	7.1	11.7	60.0	0.7	10.7	0.6	6.1		0.5
最大	Max.	6.7	14.7	-0.8	5.2	4.6	4.2	5.2	8.3	13.2	76.3	11.0	14.4	1.4	11.5		10.0
最低	Min.	-3.5	3.7	-8.5	0.3	1.4	2.1	4.1	6.3	10.5	42.0	0.0	4.8	0.1	3.3		0.0

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

2014年 2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 <sup>2</sup>	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
02	1	3.0	11.6	-1.8	4.5	4.6	4.5	4.9	6.3	10.4	52.8	0.0	12.8	0.2	4.9	S	0
02	2	4.8	16.4	-1.7	4.3	4.5	4.5	5.0	6.3	10.3	69.5	0.0	8.9	0.3	6.8	WSW	0
02	3	8.8	17.6	4.1	5.3	5.1	4.9	5.1	6.3	10.3	52.3	0.0	10.2	0.1	4.9	WNW	0
02	4	-0.6	5.4	-6.9	3.3	4.3	4.8	5.3	6.4	10.2	88.9	0.0	0.6	0.3	4.0	ESE	18
02	5	-5.2	1.8	-9.4	2.1	3.2	4.0	5.3	6.4	10.2	71.3	6.0	9.0	0.6	7.3	SW	0
02	6	-4.9	2.5	-10.3	0.7	1.9	3.1	5.1	6.3	10.0	71.9	2.0	10.8	0.4	4.3	SE	0
02	7	-2.6	6.8	-8.3	1.5	1.9	2.6	4.7	6.2	10.0	64.2	0.5	14.0	0.2	4.9	SSE	0
02	8	-4.8	-2.7	-5.7	0.5	1.5	2.6	4.5	6.2	9.9	94.3	0.0	0.2	0.0	1.7	NNE	0
02	9	0.8	7.4	-3.4	0.5	1.3	2.2	4.3	6.2	9.9	77.9	15.5	13.6	0.4	6.1	W	0
02	10	-0.4	7.3	-6.1	0.6	1.2	2.1	4.1	6.1	9.9	60.3	2.0	14.9	0.3	5.3	SSE	30
02	11	-0.7	6.0	-5.5	0.5	1.1	2.0	4.0	6.0	9.8	60.9	0.0	13.8	0.5	5.8	SSE	0
02	12	-0.5	5.1	-3.1	0.5	1.1	2.0	3.9	5.9	9.8	76.9	0.0	6.5	0.2	3.6	S	0
02	13	-0.7	6.6	-4.8	0.0	0.8	1.8	3.8	5.8	9.8	71.9	0.0	11.1	0.6	4.8	W	0
02	14	-3.1	-2.4	-4.2	0.1	0.9	1.8	3.7	5.9	9.8	93.7	0.0	0.3	0.0	2.5	NNE	0
02	15	-0.5	2.3	-4.1	0.3	0.9	1.8	3.7	5.8	9.7	92.3	0.0	3.2	0.5	8.7	WNW	
02	16	1.4	5.6	-1.5	0.4	1.1	1.9	3.6	5.8	9.7	54.9	0.0	16.3	1.9	13.6	W	
02	17	0.7	9.6	-5.4	0.4	1.1	1.8	3.6	5.8	9.7	62.1	19.0	16.4	0.3	5.2	WSW	
02	18	-1.2	7.0	-5.8	0.4	1.0	1.8	3.5	5.7	9.6	64.4	12.0	16.3	0.3	5.3	SE	
02	19	-1.3	8.3	-7.6	0.3	1.0	1.7	3.5	5.6	9.6	61.2	7.0	16.4	0.3	5.5	SSW	
02	20	-1.0	6.4	-6.4	0.2	0.9	1.6	3.4	5.6	9.5	59.6	0.5	14.6	0.2	4.2	ESE	0
02	21	-1.2	7.6	-6.6	0.2	0.8	1.6	3.3	5.5	9.5	62.4	0.0	17.9	0.2	5.2	SSE	0
02	22	-2.1	6.9	-8.4	0.1	0.7	1.5	3.3	5.4	9.4	66.1	0.0	18.1	0.2	4.8	SE	0
02	23	-1.0	6.6	-7.4	0.1	0.7	1.4	3.2	5.2	9.3	68.2	0.0	16.5	0.2	4.3	SE	0
02	24	0.2	7.4	-4.9	0.0	0.6	1.4	3.1	5.1	9.2	73.3	0.0	15.0	0.1	4.3	SE	0
02	25	1.6	11.0	-4.4	0.0	0.5	1.3	3.0	5.0	9.2	61.7	0.0	16.4	0.2	5.4	S	0
02	26	2.8	12.2	-3.4	-0.1	0.5	1.2	2.9	4.9	9.1	58.5	0.0	18.1	0.1	4.3	SE	0
02	27	1.9	3.7	0.3	-0.1	0.5	1.2	2.8	4.8	8.9	94.4	3.0	3.2	0.0	2.8	NNW	0
02	28	6.0	15.8	1.8	-0.2	0.4	1.1	2.7	4.7	8.9	81.9	0.0	16.2	0.2	5.5	SE	0

計	Total										67.5						
平均	Mean	0.0	7.1	-4.7	0.9	1.6	2.3	3.9	5.8	9.7	70.3	2.4	11.8	0.3	5.2		2.1
最大	Max.	8.8	17.6	4.1	5.3	5.1	4.9	5.3	6.4	10.4	94.4	19.0	18.1	1.9	13.6		
最低	Min.	-5.2	-2.7	-10.3	-0.2	0.4	1.1	2.7	4.7	8.9	52.3	0.0	0.2	0.0	1.7		

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

2014年 3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 <sup>2</sup>	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
03	1	2.5	4.6	1.7	-0.2	0.4	1.0	2.5	4.5	8.6	96.4	2.0	2.2	0.0	2.6	ESE	0
03	2	0.8	2.0	-0.2	-0.2	0.3	1.0	2.4	4.3	8.5	99.9	4.5	2.0	0.2	3.4	ESE	0
03	3	0.0	3.7	-2.9	-0.1	0.4	1.0	2.4	4.3	8.4	92.8	1.0	5.3	0.1	4.6	E	1
03	4	0.9	9.1	-4.8	-0.1	0.4	1.0	2.4	4.2	8.3	74.7	0.0	19.1	0.5	4.9	SSE	0
03	5	0.2	1.8	-1.2	-0.1	0.4	1.0	2.3	4.2	8.2	98.7	16.5	0.5	0.1	5.9	WNW	12
03	6	-0.7	4.8	-4.9	-0.1	0.4	0.9	2.2	4.0	8.1	53.1	8.5	18.4	0.9	10.0	WSW	0
03	7	-2.3	5.5	-8.1	-0.2	0.4	0.9	2.2	4.0	8.0	58.5	2.5	16.4	0.5	6.5	SSW	0
03	8	-0.3	8.8	-6.9	-0.1	0.3	0.9	2.2	3.9	7.9	56.3	0.0	20.5	0.3	6.1	SSE	0
03	9	-0.1	7.3	-4.8	0.8	0.7	1.1	2.1	3.8	7.8	68.4	0.0	14.9	0.2	4.8	SE	0
03	10	-2.5	1.8	-5.6	0.5	0.7	1.2	2.2	3.8	7.7	60.6	0.5	10.6	0.5	12.1	WSW	1
03	11	0.1	9.1	-6.9	2.2	1.6	1.4	2.2	3.8	7.6	42.1	0.0	21.4	0.4	6.3	S	0
03	12	4.5	15.2	-3.1	3.9	2.9	2.3	2.3	3.8	7.6	61.3	0.0	18.2	0.3	5.1	SSE	0
03	13	3.1	5.4	1.2	3.0	3.1	2.9	2.6	3.7	7.5	87.8	16.0	4.5	0.3	5.7	E	0
03	14	3.0	7.1	-0.7	4.1	3.7	3.2	2.9	3.7	7.4	73.8	0.0	9.5	0.9	8.0	WSW	0
03	15	2.1	10.8	-4.4	5.4	4.5	3.8	3.2	3.7	7.4	57.9	0.0	22.1	0.6	5.1	S	0
03	16	4.3	14.9	-2.2	6.1	5.4	4.6	3.6	3.8	7.3	64.0	0.0	19.6	0.7	10.5	SW	0
03	17	5.3	15.6	-2.2	7.1	6.2	5.2	4.0	3.9	7.3	65.4	0.0	21.5	0.5	4.8	S	0
03	18	7.5	16.7	-0.4	7.7	6.9	6.0	4.4	4.0	7.2	75.3	0.5	17.7	1.4	11.7	WNW	0
03	19	5.3	12.5	0.2	7.8	7.3	6.5	4.9	4.2	7.2	74.2	0.0	15.8	0.4	5.3	SE	0
03	20	2.7	4.1	1.3	5.7	6.1	6.2	5.2	4.3	7.1	96.0	8.0	3.0	0.0	1.6	S	0
03	21	3.3	8.7	-1.1	6.2	6.0	5.8	5.3	4.5	7.1	57.2	0.0	17.7	1.9	14.0	W	0
03	22	3.4	13.0	-2.4	6.9	6.4	5.9	5.4	4.7	7.2	48.1	0.0	23.2	0.5	5.8	SE	0
03	23	5.0	14.5	-2.2	7.6	7.1	6.5	5.6	4.9	7.2	50.0	0.0	22.7	0.6	12.1	SW	0
03	24	8.4	18.7	0.6	8.8	8.0	7.1	5.8	5.0	7.2	44.8	0.0	22.8	0.3	5.1	S	0
03	25	9.9	21.1	2.7	9.0	8.6	7.8	6.2	5.1	7.2	47.5	0.0	16.0	0.2	7.4	SE	0
03	26	10.1	16.6	6.1	8.8	8.4	7.9	6.5	5.3	7.2	61.6	0.0	10.5	0.1	4.5	ESE	0
03	27	6.1	8.3	2.2	7.1	7.6	7.7	6.8	5.3	7.1	97.1	2.5	1.8	0.0	3.4	WSW	0
03	28	9.6	19.9	1.5	9.3	8.2	7.5	6.8	5.5	7.1	61.5	0.0	22.8	0.5	4.9	SSE	0
03	29	12.5	23.3	5.5	10.8	9.9	8.8	7.1	5.7	7.2	48.4	0.0	18.4	0.6	5.8	WSW	0
03	30	8.7	10.7	7.0	9.3	9.5	9.2	7.6	5.7	7.1	91.8	30.5	3.0	0.7	9.1	NNE	0
03	31	9.6	16.9	3.8	10.9	10.0	9.3	7.9	5.9	7.2	49.0	0.0	23.1	1.9	13.4	W	0
計	Total											93.0					
平均	Mean	4.0	10.7	-1.0	4.8	4.6	4.4	4.2	4.4	7.5	68.2	3.0	14.4	0.5	6.8		0.5
最大	Max.	12.5	23.3	7.0	10.9	10.0	9.3	7.9	5.9	8.6	99.9	30.5	23.2	1.9	14.0		12.0
最低	Min.	-2.5	1.8	-8.1	-0.2	0.3	0.9	2.1	3.7	7.1	42.1	0.0	0.5	0.0	1.6		0.0

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

2014年 4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 <sup>2</sup>	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
04	1	7.9	16.6	0.8	10.6	10.2	9.6	8.2	6.1	7.2	47.4	0.0	22.7	0.7	5.3	SE	
04	2	8.3	16.9	1.4	10.4	10.1	9.6	8.4	6.3	7.2	65.7	0.0	17.4	0.3	4.5	SSE	
04	3	8.7	11.9	6.1	10.1	10.0	9.7	8.5	6.5	7.2	91.9	5.5	6.3	0.1	3.1	ESE	
04	4	9.8	16.6	2.5	11.6	10.8	10.0	8.7	6.6	7.2	82.6	2.5	14.9	0.8	7.9	SW	
04	5	4.8	11.8	-1.2	9.6	9.9	9.9	8.9	6.8	7.3	60.5	0.0	19.2	0.9	9.1	SSW	
04	6	2.7	11.8	-2.3	8.8	9.2	9.4	9.0	6.9	7.3	73.4	0.0	15.0	0.8	11.4	SSW	
04	7	6.0	17.4	-3.7	9.1	8.9	8.9	8.9	7.1	7.4	55.2	0.0	24.3	0.7	6.7	SE	
04	8	10.5	21.3	2.7	11.0	10.4	9.7	8.8	7.3	7.5	46.0	0.0	23.7	0.8	10.0	SSE	
04	9	10.0	18.8	2.7	11.8	11.1	10.4	9.1	7.4	7.6	62.4	0.0	21.7	0.6	5.5	SSE	
04	10	10.9	22.8	3.8	12.1	11.6	10.9	9.4	7.5	7.6	52.6	0.0	21.7	1.4	11.3	WSW	
04	11	7.0	16.6	-1.1	11.1	11.1	10.8	9.6	7.6	7.7	35.8	0.0	25.0	0.9	7.6	SW	
04	12	7.8	17.6	-0.3	11.1	11.0	10.7	9.7	7.8	7.8	38.0	0.0	25.4	0.6	9.0	SSE	
04	13	8.3	15.2	1.9	10.6	10.7	10.6	9.8	8.0	7.9	42.0	0.0	18.2	0.4	5.4	SE	
04	14	9.0	17.8	1.1	11.7	11.2	10.7	9.8	8.1	7.9	52.6	0.0	25.3	0.5	6.1	SSE	
04	15	11.9	21.9	2.7	12.8	12.1	11.3	10.0	8.2	8.0	49.8	0.0	25.7	0.6	6.1	SE	
04	16	14.2	21.8	8.0	12.9	12.5	11.8	10.3	8.4	8.1	37.3	0.0	19.5	0.7	5.5	ESE	
04	17	13.5	21.4	6.8	13.8	13.0	12.1	10.5	8.5	8.2	54.3	0.0	21.5	0.6	5.8	SE	
04	18	8.5	11.8	5.7	11.3	12.0	12.1	10.8	8.5	8.2	92.7	4.0	2.5	0.2	4.7	ESE	
04	19	7.4	12.8	2.9	10.8	11.0	11.1	10.8	8.6	8.2	87.6	1.5	9.1	0.4	4.3	ESE	
04	20	3.6	5.5	1.6	8.9	9.8	10.5	10.6	8.8	8.3	97.4	1.5	5.1	0.2	4.1	ESE	
04	21	6.8	9.4	3.8	8.9	9.3	9.8	10.4	8.9	8.4	96.7	0.0	4.6	0.3	3.9	E	
04	22	10.1	16.2	6.8	10.9	10.5	10.2	10.2	9.0	8.4	82.4	0.0	10.3	0.3	4.3	ESE	
04	23	10.7	19.7	3.5	12.5	11.8	11.1	10.3	9.0	8.5	53.0	0.0	23.0	0.8	6.0	ESE	
04	24	10.8	20.0	2.7	12.9	12.4	11.7	10.5	9.1	8.6	50.8	0.0	25.2	0.7	6.0	SSE	
04	25	12.2	21.8	5.3	13.5	13.0	12.2	10.8	9.1	8.7	58.5	0.0	21.3	0.6	4.8	S	
04	26	14.1	23.1	6.4	14.6	13.8	12.8	11.1	9.2	8.8	52.1	0.0	26.1	0.6	5.6	SSE	
04	27	14.5	23.6	7.0	15.2	14.5	13.5	11.5	9.4	8.8	49.4	0.0	25.7	0.7	6.7	SSE	
04	28	13.4	21.5	7.8	13.9	14.0	13.5	11.8	9.5	8.9	44.3	0.0	16.8	0.7	5.4	E	
04	29	11.7	14.8	9.6	12.6	12.9	13.0	12.0	9.7	9.0	77.6	0.5	6.0	0.5	4.6	ESE	
04	30	11.2	12.7	9.6	12.0	12.1	12.3	11.9	9.4	8.9	99.7	28.0	3.6	0.1	4.1	E	
計	Total											43.5					
平均	Mean	9.5	17.0	3.5	11.6	11.4	11.0	10.0	8.1	8.0	63.0	1.5	17.6	0.6	6.1		
最大	Max.	14.5	23.6	9.6	15.2	14.5	13.5	12.0	9.7	9.0	99.7	28.0	26.1	1.4	11.4		
最低	Min.	2.7	5.5	-3.7	8.8	8.9	8.9	8.2	6.1	7.2	35.8	0.0	2.5	0.1	3.1		

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

2014年 5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 <sup>2</sup>	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
05	1	14.4	21.7	9.9	14.9	13.8	13.0	11.9	9.6	9.0	86.6	1.0	17.7	0.3	4.5	SE	
05	2	15.0	24.7	7.8	15.8	15.0	14.0	12.2	9.8	9.0	70.4	0.0	23.5	0.7	5.2	SE	
05	3	16.8	26.2	9.1	16.6	15.7	14.7	12.6	9.9	9.1	58.3	0.0	24.5	0.8	9.1	SE	
05	4	13.4	22.5	4.5	15.9	15.6	15.0	13.0	10.1	9.1	52.0	0.0	26.3	0.7	5.4	ESE	
05	5	10.8	15.1	7.3	13.8	14.3	14.4	13.2	10.3	9.2	84.7	0.0	9.1	0.6	5.4	ESE	
05	6	9.9	11.6	6.2	13.0	13.5	13.8	13.2	10.4	9.3	92.8	0.0	4.5	0.3	3.7	ESE	
05	7	11.5	18.9	4.5	14.3	13.9	13.6	13.1	10.6	9.4	75.3	0.0	23.0	0.6	5.7	SSE	
05	8	14.0	21.7	5.9	15.1	14.6	14.1	13.1	10.8	9.5	62.6	0.0	25.7	1.7	10.0	WSW	
05	9	13.7	21.3	6.8	15.1	15.0	14.5	13.3	10.9	9.6	56.5	0.0	20.3	1.1	11.2	WNW	
05	10	13.6	21.7	5.5	15.2	14.8	14.4	13.4	11.0	9.6	42.5	0.0	27.4	1.0	7.3	WSW	
05	11	15.4	24.7	7.2	16.1	15.5	14.8	13.5	11.2	9.7	41.6	0.0	28.3	0.7	5.5	SSW	
05	12	14.8	23.2	7.4	15.9	15.6	15.1	13.7	11.3	9.8	55.9	0.0	19.1	0.7	8.5	SSE	
05	13	16.7	25.0	11.5	17.8	16.8	15.7	13.9	11.4	9.9	64.1	0.0	21.6	0.9	8.1	ESE	
05	14	18.8	28.7	10.1	17.8	17.0	16.1	14.2	11.6	10.0	43.0	0.0	20.8	0.7	8.6	W	
05	15	15.3	20.2	12.4	16.9	16.7	16.3	14.5	11.7	10.1	84.3	0.5	7.4	0.4	7.0	ESE	
05	16	15.6	25.2	8.4	17.6	17.0	16.2	14.6	11.8	10.1	52.4	0.0	27.2	1.2	11.8	WSW	
05	17	14.6	24.4	8.7	17.2	16.8	16.2	14.7	12.0	10.2	52.3	0.0	26.1	1.0	7.6	SE	
05	18	15.2	25.1	6.4	17.7	17.1	16.4	14.8	12.2	10.3	54.1	0.0	28.6	0.7	6.1	SE	
05	19	16.1	24.0	7.9	18.5	17.7	16.7	15.0	12.3	10.4	64.8	0.0	25.6	0.6	5.5	ESE	
05	20	16.5	24.7	10.4	18.5	18.0	17.2	15.2	12.5	10.5	73.6	0.5	17.5	0.4	5.0	SE	
05	21	12.0	14.7	9.4	15.2	15.9	16.2	15.4	12.2	10.4	97.8	37.0	5.1	0.1	4.2	E	
05	22	12.3	18.7	7.7	14.7	15.1	15.3	15.2	12.5	10.5	87.8	1.0	12.2	0.2	3.9	E	
05	23	13.7	21.7	8.5	16.6	16.1	15.6	15.0	12.6	10.6	77.5	0.0	23.4	0.6	5.6	ESE	
05	24	15.6	24.4	5.8	17.3	16.8	16.1	15.1	12.7	10.7	67.1	0.0	27.0	0.5	5.3	SE	
05	25	18.8	25.9	13.6	17.9	17.5	16.8	15.3	12.9	10.8	66.1	0.0	17.5	0.3	3.4	W	
05	26	16.1	20.7	12.5	16.2	16.6	16.6	15.5	13.0	10.9	74.2	6.5	8.6	1.1	9.8	WSW	
05	27	18.0	24.8	13.4	18.5	17.4	16.6	15.6	12.8	10.9	87.3	7.0	19.4	0.2	3.9	SSE	
05	28	17.8	23.2	12.3	19.1	18.6	17.7	15.8	13.0	11.0	85.6	1.5	16.0	0.5	5.1	ESE	
05	29	16.3	24.5	11.4	17.7	17.8	17.5	16.1	13.1	11.1	79.5	0.0	16.2	0.6	5.4	W	
05	30	19.8	28.6	12.2	19.1	18.3	17.5	16.2	13.3	11.2	61.7	0.0	26.0	0.5	4.7	WSW	
05	31	21.0	29.5	14.0	20.2	19.4	18.4	16.5	13.5	11.3	54.8	0.0	26.3	0.6	4.8	WSW	
計	Total											55.0					
平均	Mean	15.3	22.8	9.0	16.6	16.3	15.7	14.3	11.7	10.1	68.0	1.8	20.1	0.7	6.4		
最大	Max.	21.0	29.5	14.0	20.2	19.4	18.4	16.5	13.5	11.3	97.8	37.0	28.6	1.7	11.8		
最低	Min.	9.9	11.6	4.5	13.0	13.5	13.0	11.9	9.6	9.0	41.6	0.0	4.5	0.1	3.4		

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

2014年 6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 <sup>2</sup>	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
06	1	22.4	31.9	14.5	20.9	20.1	18.9	16.8	13.6	11.4	47.6	0.0	28.7	0.7	8.2	SSW	
06	2	22.3	29.9	16.4	21.0	20.3	19.3	17.1	13.8	11.5	57.3	0.0	23.2	0.5	5.5	ESE	
06	3	20.3	26.8	14.8	21.2	20.5	19.6	17.4	14.0	11.6	78.1	0.0	18.6	0.5	5.2	ESE	
06	4	19.1	23.9	15.7	20.4	20.2	19.6	17.7	14.2	11.7	81.3	0.0	10.4	0.4	4.0	ESE	
06	5	15.2	16.8	14.0	18.5	18.9	19.0	17.8	14.3	11.7	94.5	6.0	6.6	0.3	3.6	E	
06	6	15.1	16.6	14.2	16.8	17.4	17.9	17.7	14.1	11.6	99.8	81.5	4.1	0.1	4.6	E	
06	7	13.9	14.7	13.2	14.9	15.6	16.3	17.6	14.9	11.7	99.9	52.0	2.6	0.1	3.3	E	
06	8	16.5	20.2	13.5	16.6	16.3	16.4	17.1	15.0	12.0	98.1	18.5	7.6	0.0	2.0	W	
06	9	17.5	19.7	15.6	17.9	17.6	17.3	17.1	15.0	12.2	98.5	19.0	6.6	0.1	2.8	ESE	
06	10	18.3	22.4	15.5	18.7	18.2	17.9	17.4	15.1	12.4	95.6	8.5	10.1	0.2	4.1	ESE	
06	11	17.3	18.4	16.2	18.2	18.3	18.2	17.6	15.0	12.6	98.8	18.0	3.6	0.0	2.7	E	
06	12	17.8	20.9	16.0	18.4	18.1	18.1	17.8	15.1	12.7	97.2	26.5	9.4	0.1	3.7	E	
06	13	17.9	26.7	12.3	19.6	19.1	18.7	17.9	15.3	13.0	84.0	0.0	19.9	0.3	3.7	NE	
06	14	18.4	27.5	11.2	19.9	19.4	18.9	18.1	15.4	13.1	70.9	0.0	26.1	0.5	5.1	SE	
06	15	18.6	27.4	11.1	20.0	19.7	19.3	18.3	15.4	13.2	67.4	20.0	24.5	0.5	4.6	ESE	
06	16	18.3	26.3	12.0	20.2	19.6	19.2	18.5	15.4	13.2	82.8	0.0	22.2	0.3	6.1	SE	
06	17	19.1	26.0	14.1	20.5	20.2	19.8	18.7	15.6	13.4	82.7	0.0	16.4	0.4	4.3	WSW	
06	18	16.7	19.4	13.5	19.0	19.4	19.6	18.9	15.7	13.5	92.1	0.5	5.3	0.2	3.3	S	
06	19	17.9	25.4	11.8	19.9	19.5	19.3	18.8	15.8	13.5	83.9	11.0	19.4	0.5	5.8	SW	
06	20	18.6	25.5	13.8	20.7	20.3	19.8	18.9	15.8	13.5	91.0	8.0	19.2	0.2	4.6	SE	
06	21	19.1	23.2	14.9	20.8	20.6	20.3	19.2	15.9	13.6	91.5	0.0	12.7	0.2	3.9	ESE	
06	22	17.2	19.2	15.0	19.5	19.8	20.0	19.3	16.0	13.7	97.3	12.0	5.9	0.0	2.1	WSW	
06	23	17.8	23.9	13.6	19.8	19.7	19.7	19.3	16.2	13.8	89.5	1.5	14.6	0.3	3.4	ESE	
06	24	16.9	21.4	13.5	19.6	19.7	19.8	19.3	16.3	13.9	94.7	5.0	10.7	0.2	4.1	ESE	
06	25	16.3	22.3	12.0	19.0	19.2	19.4	19.3	16.3	13.9	94.3	11.0	12.3	0.1	3.6	SE	
06	26	17.4	23.6	12.5	19.7	19.5	19.5	19.2	16.4	14.0	91.8	0.0	15.3	0.3	4.8	ESE	
06	27	18.6	23.0	14.7	20.0	19.9	19.8	19.3	16.5	14.1	88.7	0.0	11.0	0.3	4.3	ESE	
06	28	17.5	18.5	16.8	19.1	19.4	19.6	19.3	16.5	14.2	99.3	9.5	3.5	0.0	1.0	E	
06	29	19.4	25.3	16.5	20.8	20.1	19.8	19.3	16.5	14.2	92.5	14.5	16.0	0.3	5.7	E	
06	30	18.3	23.0	14.0	20.2	20.2	20.1	19.5	16.7	14.3	91.3	0.0	11.4	0.4	3.9	ESE	
計	Total											323.0					
平均	Mean	18.0	23.0	14.1	19.4	19.2	19.0	18.3	15.4	13.0	87.7	10.8	13.3	0.3	4.1		
最大	Max.	22.4	31.9	16.8	21.2	20.6	20.3	19.5	16.7	14.3	99.9	81.5	28.7	0.7	8.2		
最低	Min.	13.9	14.7	11.1	14.9	15.6	16.3	16.8	13.6	11.4	47.6	0.0	2.6	0.0	1.0		

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

2014年 7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 <sup>2</sup>	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
07	1	19.3	23.7	16.4	20.7	20.4	20.2	19.6	16.7	14.4	87.8	0.5	13.7	0.4	3.9	ESE	
07	2	19.4	27.4	15.1	21.3	20.9	20.5	19.7	16.8	14.5	88.7	11.0	19.5	0.4	5.7	SE	
07	3	18.8	22.3	16.3	20.8	20.8	20.7	19.9	16.8	14.5	93.5	2.5	10.2	0.3	3.9	ESE	
07	4	17.3	19.4	16.4	19.7	20.0	20.3	20.0	16.9	14.6	99.1	9.5	5.4	0.1	3.4	E	
07	5	17.0	18.2	16.1	18.8	19.2	19.7	19.9	17.0	14.6	99.6	13.0	4.1	0.0	2.5	E	
07	6	19.1	25.0	14.9	20.4	20.0	19.9	19.8	17.1	14.8	92.0	0.0	15.0	0.3	4.3	ESE	
07	7	18.7	20.5	17.2	19.9	20.1	20.2	19.8	17.1	14.8	98.1	2.0	4.1	0.0	2.6	ESE	
07	8	21.0	28.6	15.3	21.5	20.8	20.3	19.9	17.2	14.9	88.7	1.5	20.4	0.3	4.7	ESE	
07	9	20.5	26.4	18.2	21.3	21.4	21.1	20.1	17.2	15.0	96.6	27.5	8.4	0.2	7.6	ESE	
07	10	19.9	21.8	18.0	20.5	20.8	20.9	20.4	17.4	15.1	98.4	15.0	5.2	0.2	9.2	NW	
07	11	24.1	34.0	19.1	23.6	22.4	21.5	20.5	17.6	15.2	84.5	0.5	22.4	0.2	5.1	ESE	
07	12	24.0	32.1	19.3	24.1	23.5	22.6	20.8	17.7	15.3	76.3	0.0	22.8	0.4	5.5	SSE	
07	13	20.7	24.3	18.5	22.1	22.4	22.4	21.2	17.9	15.4	88.6	0.0	7.5	0.4	4.8	ESE	
07	14	23.9	31.1	19.2	23.3	22.7	22.2	21.2	18.0	15.5	85.1	0.0	17.6	0.5	5.2	ESE	
07	15	23.0	29.9	19.1	23.8	23.5	22.8	21.4	18.1	15.5	86.1	0.0	16.3	0.3	4.6	ESE	
07	16	24.6	32.0	18.3	24.5	23.9	23.1	21.6	18.2	15.6	81.6	0.0	24.2	0.6	6.1	ESE	
07	17	23.3	29.3	19.6	24.4	24.2	23.6	21.9	18.4	15.7	89.5	1.0	13.1	0.4	4.3	ESE	
07	18	20.9	24.3	19.6	23.0	23.3	23.3	22.1	18.5	15.7	97.7	4.5	4.9	0.1	3.3	ESE	
07	19	19.0	21.8	16.6	21.5	22.1	22.5	22.1	18.6	15.8	98.9	23.0	3.8	0.1	2.7	ESE	
07	20	19.1	25.2	15.6	21.3	21.5	21.7	21.9	18.7	15.8	95.3	4.0	11.7	0.1	4.0	SE	
07	21	20.4	26.9	16.0	22.0	22.0	21.9	21.7	18.9	15.9	90.3	1.0	15.5	0.2	4.6	ESE	
07	22	22.4	30.8	16.7	23.1	22.8	22.4	21.7	18.9	16.0	85.4	0.0	21.1	0.2	3.5	S	
07	23	23.8	30.0	18.5	23.7	23.4	22.9	21.8	19.0	16.1	83.9	0.0	18.5	0.4	6.5	ESE	
07	24	24.3	31.9	20.5	23.9	23.7	23.2	22.0	19.0	16.2	85.5	2.0	12.9	0.3	4.3	ESE	
07	25	25.5	32.3	19.9	25.1	24.5	23.7	22.3	19.1	16.3	82.2	0.0	23.0	0.4	4.4	SE	
07	26	25.9	31.6	21.0	25.5	25.1	24.3	22.6	19.2	16.4	83.7	0.0	22.0	0.5	4.3	SE	
07	27	24.6	33.4	19.2	25.2	25.0	24.5	22.9	19.3	16.4	75.2	0.0	20.7	0.6	7.6	E	
07	28	22.0	27.8	17.9	24.0	24.3	24.2	23.1	19.5	16.5	76.0	0.0	17.6	0.5	4.3	SE	
07	29	21.8	28.8	16.2	23.9	23.9	23.7	23.0	19.7	16.6	77.9	0.0	22.2	0.6	4.2	SE	
07	30	23.1	30.5	16.0	24.6	24.3	23.8	23.0	19.8	16.7	76.1	0.0	25.2	0.5	5.2	SSE	
07	31	24.2	32.5	18.4	25.1	24.8	24.2	23.0	20.0	16.8	76.7	0.0	21.5	0.7	6.4	W	
計	Total											118.5					
平均	Mean	21.7	27.5	17.7	22.7	22.5	22.2	21.3	18.2	15.6	87.7	3.8	15.2	0.3	4.8		
最大	Max.	25.9	34.0	21.0	25.5	25.1	24.5	23.1	20.0	16.8	99.6	27.5	25.2	0.7	9.2		
最低	Min.	17.0	18.2	14.9	18.8	19.2	19.7	19.6	16.7	14.4	75.2	0.0	3.8	0.0	2.5		

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

2014年 8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 <sup>2</sup>	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
08	1	24.5	32.4	18.9	25.2	24.9	24.3	23.2	19.9	16.8	79.2	11.0	20.4	0.6	5.8	WSW	
08	2	22.8	30.0	17.9	24.7	24.6	24.3	23.3	20.0	16.8	87.2	0.0	15.7	0.5	5.5	W	
08	3	23.7	30.6	19.4	24.7	24.7	24.4	23.3	20.2	17.0	83.3	0.0	16.0	0.4	4.0	WSW	
08	4	24.7	32.2	19.9	24.9	24.8	24.4	23.4	20.3	17.1	78.3	0.0	16.0	0.5	7.4	W	
08	5	26.4	34.6	20.5	25.7	25.3	24.7	23.4	20.5	17.1	69.9	0.0	23.0	0.8	6.7	W	
08	6	26.4	34.2	20.3	26.2	25.7	25.1	23.6	20.6	17.2	70.1	0.0	23.9	0.5	4.1	WSW	
08	7	25.6	31.4	20.5	26.2	25.9	25.3	23.8	20.8	17.3	77.9	0.0	20.9	0.5	4.7	SE	
08	8	22.5	26.0	20.6	24.9	25.3	25.1	23.9	20.9	17.4	91.9	1.0	7.2	0.3	3.7	SSE	
08	9	20.3	21.7	19.0	23.3	24.0	24.3	23.8	21.0	17.5	97.5	4.5	3.7	0.1	3.4	ESE	
08	10	21.3	26.3	18.4	22.0	22.7	23.3	23.6	20.8	17.5	91.3	43.5	5.6	1.9	19.7	WNW	
08	11	24.6	32.3	20.1	23.6	23.4	23.2	23.2	20.8	17.6	81.8	3.5	14.2	1.0	10.2	WNW	
08	12	19.4	20.7	18.4	21.8	22.7	23.2	23.2	20.7	17.6	97.0	33.5	2.7	0.1	4.5	NW	
08	13	21.4	27.3	16.3	22.6	22.7	22.8	23.1	21.0	17.7	90.0	0.0	16.9	0.3	4.2	ESE	
08	14	21.2	23.8	18.8	22.7	23.0	23.2	23.0	21.1	17.9	93.9	0.0	5.8	0.1	2.7	WSW	
08	15	24.5	31.7	19.4	24.2	23.8	23.4	23.0	21.1	18.0	85.3	0.5	18.7	0.5	9.9	SW	
08	16	22.3	27.1	20.2	23.5	23.9	23.9	23.1	20.9	18.0	95.5	21.5	6.7	0.3	5.6	ESE	
08	17	21.8	24.3	20.1	23.3	23.5	23.6	23.2	21.0	18.1	96.7	2.5	8.2	0.3	4.3	ESE	
08	18	24.1	31.1	19.0	24.9	24.5	24.0	23.2	21.2	18.3	87.4	0.0	21.5	0.3	4.4	SE	
08	19	24.0	31.4	18.8	25.0	24.9	24.5	23.4	21.2	18.4	86.7	2.5	18.8	0.4	4.8	S	
08	20	24.8	32.9	19.3	25.4	25.3	24.8	23.6	21.2	18.5	82.0	0.0	21.5	0.5	4.1	W	
08	21	24.8	30.6	19.2	25.4	25.4	25.0	23.8	21.3	18.5	81.7	0.0	18.8	0.5	4.0	SSW	
08	22	24.3	31.9	19.2	25.7	25.6	25.1	23.9	21.4	18.6	81.6	0.5	21.5	0.7	7.3	S	
08	23	22.5	28.9	18.7	24.8	25.1	25.0	24.1	21.5	18.6	85.7	0.0	13.9	0.4	3.2	S	
08	24	22.0	28.3	17.5	24.0	24.4	24.6	24.1	21.5	18.7	84.6	1.5	12.7	0.4	4.0	SE	
08	25	21.0	23.1	19.7	23.5	24.0	24.2	24.0	21.5	18.7	96.6	7.5	6.2	0.0	1.7	SE	
08	26	19.9	21.1	18.2	22.6	23.3	23.8	23.8	21.6	18.7	99.5	10.0	3.0	0.0	3.6	E	
08	27	16.7	18.4	15.8	21.2	22.2	23.0	23.6	21.6	18.8	99.9	7.5	3.8	0.0	3.4	E	
08	28	17.5	21.3	15.7	21.0	21.7	22.3	23.2	21.7	18.8	97.3	1.0	8.1	0.1	3.8	ESE	
08	29	18.0	20.2	16.3	21.0	21.7	22.2	22.9	21.7	18.9	96.9	5.5	5.6	0.1	3.6	ESE	
08	30	18.1	23.1	16.1	20.8	21.3	21.8	22.6	21.5	18.9	93.6	17.5	12.2	0.1	3.6	SE	
08	31	17.3	19.7	15.5	20.2	21.1	21.7	22.4	21.5	19.0	96.9	0.5	3.9	0.1	3.2	ESE	
計	Total											175.5					
平均	Mean	22.2	27.4	18.6	23.7	23.9	23.9	23.4	21.0	18.0	88.3	5.7	12.8	0.4	5.2		
最大	Max.	26.4	34.6	20.6	26.2	25.9	25.3	24.1	21.7	19.0	99.9	43.5	23.9	1.9	19.7		
最低	Min.	16.7	18.4	15.5	20.2	21.1	21.7	22.4	19.9	16.8	69.9	0.0	2.7	0.0	1.7		

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

2014年 9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 <sup>2</sup>	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
09	1	17.0	18.2	16.0	19.2	20.2	21.0	22.2	21.3	19.0	99.7	66.5	2.8	0.0	2.1	ESE	
09	2	19.8	26.9	14.3	20.6	20.5	20.6	21.7	21.4	19.3	86.5	0.0	23.7	0.3	4.8	SE	
09	3	18.0	19.6	16.7	20.4	21.1	21.3	21.7	21.3	19.4	94.4	0.0	3.7	0.2	2.8	ESE	
09	4	18.3	20.7	16.4	20.2	20.7	21.1	21.7	21.2	19.4	96.5	0.0	5.2	0.1	2.9	ESE	
09	5	20.7	26.3	16.9	21.4	21.4	21.3	21.6	21.1	19.4	92.4	0.5	13.5	0.3	6.0	SSE	
09	6	21.2	27.7	18.0	21.4	21.7	21.8	21.7	20.9	19.4	91.9	56.5	11.0	0.3	4.0	ESE	
09	7	18.1	19.9	15.9	20.4	21.0	21.5	21.9	20.8	19.5	99.0	16.5	4.7	0.1	4.3	E	
09	8	16.6	19.7	13.7	19.7	20.4	21.0	21.8	20.9	19.7	95.7	0.0	7.3	0.1	2.9	ESE	
09	9	18.4	26.2	14.8	20.6	20.8	21.0	21.6	20.9	19.6	89.6	1.0	16.4	0.3	3.7	SSE	
09	10	17.7	21.3	14.9	20.4	21.0	21.2	21.6	20.9	19.6	92.9	0.0	9.6	0.4	4.8	ESE	
09	11	16.8	19.9	14.7	19.8	20.5	21.0	21.5	20.8	19.6	96.1	8.5	6.2	0.1	4.1	WSW	
09	12	17.3	23.3	12.8	20.2	20.6	20.8	21.4	20.8	19.6	86.5	0.0	17.8	0.3	4.4	SSE	
09	13	16.9	24.0	12.2	20.1	20.6	20.9	21.3	20.7	19.6	83.3	0.0	18.2	0.4	4.3	SSW	
09	14	17.5	25.0	11.7	20.2	20.6	20.8	21.3	20.7	19.5	79.9	0.0	20.8	0.7	4.7	SW	
09	15	16.5	20.8	13.3	19.5	20.2	20.7	21.2	20.7	19.5	89.9	0.0	9.2	0.4	4.3	SE	
09	16	19.0	26.6	14.0	20.4	20.7	20.7	21.1	20.6	19.5	79.9	0.0	17.8	0.5	3.8	WSW	
09	17	16.9	18.8	14.1	19.7	20.4	20.8	21.2	20.6	19.5	90.1	0.0	4.8	0.4	3.7	ESE	
09	18	15.3	21.8	10.8	19.3	20.0	20.4	21.1	20.5	19.4	80.4	0.5	13.3	0.3	4.3	SSE	
09	19	13.9	19.9	8.8	18.0	19.1	19.8	20.9	20.5	19.4	75.5	0.0	13.0	0.4	3.5	W	
09	20	12.9	16.7	8.6	17.2	18.4	19.3	20.7	20.4	19.4	85.0	0.0	6.7	0.3	3.7	W	
09	21	14.8	22.5	8.5	17.5	18.2	18.8	20.3	20.4	19.4	78.0	0.0	18.7	0.6	4.9	SSW	
09	22	16.1	23.9	11.3	18.4	18.8	19.1	20.1	20.2	19.3	78.9	0.0	16.2	0.5	4.3	SSW	
09	23	15.8	22.8	9.6	18.5	18.9	19.2	20.0	20.1	19.3	80.6	0.0	18.1	0.6	5.4	SSE	
09	24	15.6	21.5	11.2	18.3	18.9	19.3	20.0	20.0	19.3	90.4	2.5	10.3	0.5	4.9	ESE	
09	25	18.3	24.8	14.8	19.4	19.5	19.5	20.0	19.9	19.2	93.1	4.0	12.8	0.3	5.1	ESE	
09	26	18.1	25.3	12.3	20.0	20.1	20.0	20.1	19.9	19.2	75.7	0.0	19.6	0.6	5.9	SE	
09	27	15.4	21.2	10.8	19.7	20.1	20.1	20.2	19.8	19.2	80.1	0.0	19.0	0.6	5.1	SE	
09	28	16.6	25.9	9.1	19.0	19.6	19.8	20.2	19.8	19.2	76.8	0.0	19.5	0.7	3.4	SW	
09	29	17.1	26.1	10.3	19.0	19.5	19.7	20.2	19.8	19.1	69.4	0.0	19.5	0.8	4.0	WSW	
09	30	18.0	25.8	11.8	19.1	19.5	19.7	20.1	19.8	19.1	74.2	0.0	16.5	0.6	4.2	SW	
計	Total											156.5					
平均	Mean	17.2	22.8	12.9	19.6	20.1	20.4	21.0	20.6	19.4	86.1	5.2	13.2	0.4	4.2		
最大	Max.	21.2	27.7	18.0	21.4	21.7	21.8	22.2	21.4	19.7	99.7	66.5	23.7	0.8	6.0		
最低	Min.	12.9	16.7	8.5	17.2	18.2	18.8	20.0	19.8	19.0	69.4	0.0	2.8	0.0	2.1		

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

2014年 10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 <sup>2</sup>	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
10	1	16.3	21.7	14.7	19.1	19.6	19.8	20.1	19.8	19.0	89.6	0.0	7.1	0.5	4.9	ESE	
10	2	15.8	20.8	12.3	18.8	19.3	19.6	20.1	19.8	19.0	92.9	0.0	7.6	0.4	5.2	ESE	
10	3	20.5	27.4	14.8	19.9	19.8	19.7	20.0	19.8	19.0	77.7	3.0	16.3	0.6	5.9	SE	
10	4	17.9	21.8	15.4	19.9	20.3	20.2	20.1	19.7	18.9	88.4	0.5	6.4	0.2	4.0	E	
10	5	13.4	15.5	12.3	16.6	18.1	19.1	20.1	19.5	18.9	98.9	103.0	0.9	0.1	2.6	E	
10	6	15.3	23.3	12.5	14.5	15.0	15.9	18.7	19.3	18.9	91.1	70.5	7.8	0.8	10.0	WNW	
10	7	14.1	21.4	10.1	15.5	15.9	16.4	18.1	19.3	19.0	76.6	0.0	13.8	0.7	4.9	WNW	
10	8	12.8	16.7	9.9	15.4	16.1	16.7	18.1	19.1	19.0	88.9	0.0	6.8	0.5	4.3	SW	
10	9	13.7	20.6	9.1	16.0	16.4	16.8	18.0	18.9	19.0	90.2	0.0	13.0	0.6	4.6	SSE	
10	10	15.5	23.1	9.7	16.3	16.7	17.0	18.0	18.8	18.9	82.8	0.0	14.3	0.5	4.2	WSW	
10	11	14.7	22.6	9.8	16.4	16.9	17.2	18.0	18.7	18.9	76.5	0.0	14.5	0.6	4.6	W	
10	12	12.1	14.7	10.9	15.7	16.5	17.1	18.1	18.6	18.8	92.9	0.0	4.5	0.3	3.8	ESE	
10	13	11.4	12.4	10.4	14.8	15.8	16.7	18.0	18.5	18.8	98.4	46.5	2.8	0.0	3.1	ESE	
10	14	13.9	19.0	9.2	14.2	14.8	15.6	17.5	18.3	18.8	82.4	15.5	8.0	0.9	12.1	WNW	
10	15	9.2	12.1	6.9	13.4	14.4	15.4	17.2	18.2	18.8	94.9	6.0	5.2	0.1	3.0	SSW	
10	16	10.9	18.5	6.7	14.3	14.7	15.3	17.0	18.1	18.7	89.4	0.0	17.0	0.5	5.3	SSE	
10	17	10.8	20.1	5.2	14.3	14.9	15.5	16.9	18.0	18.7	75.8	0.0	16.5	0.7	4.6	W	
10	18	10.5	18.1	5.4	13.9	14.6	15.4	16.8	17.9	18.6	79.8	0.0	16.1	0.8	5.8	WSW	
10	19	11.9	19.8	5.7	14.2	14.7	15.3	16.7	17.7	18.6	83.0	0.0	16.6	0.7	4.7	WSW	
10	20	12.1	19.7	7.2	14.1	14.8	15.4	16.6	17.6	18.5	86.3	0.5	9.8	0.4	5.1	SSW	
10	21	13.7	19.9	10.9	15.0	15.3	15.6	16.6	17.5	18.5	93.9	0.5	9.0	0.3	4.9	SE	
10	22	11.8	13.6	9.0	14.1	14.9	15.6	16.6	17.4	18.4	97.3	25.5	1.1	0.1	3.7	E	
10	23	8.4	10.3	7.4	12.7	13.7	14.7	16.4	17.3	18.3	99.2	11.0	3.2	0.0	2.9	ESE	
10	24	11.2	18.3	5.7	13.8	14.1	14.6	16.1	17.2	18.3	87.7	0.0	16.3	0.4	3.8	SSW	
10	25	12.5	19.4	8.5							86.8	0.0	1.3	0.6	2.9	W	
10	26	13.1	20.0	7.4	14.3	14.7	15.2	16.1	17.0	18.2	86.0	0.0	10.7	0.5	5.4	SSW	
10	27	13.5	21.7	7.6	14.7	15.1	15.4	16.1	16.9	18.1	82.1	0.0	9.9	0.5	5.2	E	
10	28	9.9	17.3	2.9							62.3	0.0	15.7	0.7	5.0	SSE	
10	29	9.4	19.8	2.1	12.2	13.3	14.3	16.0	16.8	18.0	59.0	0.0	16.1	0.5	3.6	WSW	
10	30	10.2	18.4	4.8	12.1	13.0	13.9	15.7	16.7	17.9	64.8	0.0	15.1	0.7	5.2	WSW	
10	31	11.6	18.1	6.9	12.6	13.2	13.9	15.5	16.6	17.8	86.5	0.5	8.1	0.5	4.9	W	
計	Total											283.0					
平均	Mean	12.8	18.9	8.7	15.1	15.7	16.3	17.5	18.2	18.6	85.2	9.1	10.0	0.5	4.8		
最大	Max.	20.5	27.4	15.4							99.2	103.0	17.0	0.9	12.1		
最低	Min.	8.4	10.3	2.1							59.0	0.0	0.9	0.0	2.6		

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

2014年 11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 <sup>2</sup>	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
11	1	10.8	11.8	9.9	12.8	13.4	14.1	15.4	16.5	17.8	99.3	6.0	1.9	0.0	2.4	SSE	
11	2	14.0	19.4	9.7	13.7	13.8	14.2	15.3	16.4	17.7	93.3	0.0	9.2	0.3	5.2	S	
11	3	11.9	18.3	3.9	13.9	14.3	14.6	15.3	16.3	17.7	67.5	0.0	15.2	0.9	6.1	W	
11	4	8.3	17.3	2.6	12.1	13.1	14.0	15.4	16.3	17.6	68.6	0.0	14.8	0.6	4.5	SSW	
11	5	7.9	14.5	3.3	11.4	12.4	13.4	15.2	16.2	17.6	86.1	0.0	7.5	0.4	3.1	S	
11	6	11.6	18.3	5.9	12.1	12.6	13.3	15.0	16.2	17.5	90.0	0.0	8.0	0.4	4.2	SW	
11	7	10.9	18.6	5.8	12.8	13.3	13.7	14.9	16.1	17.4	67.5	0.0	13.5	1.0	6.0	W	
11	8	8.8	15.7	4.5	11.9	12.6	13.4	14.8	16.0	17.4	83.4	0.0	10.3	0.6	6.0	ESE	
11	9	9.3	11.4	7.5	11.7	12.5	13.3	14.7	15.9	17.3	96.1	0.5	1.9	0.2	3.6	W	
11	10	11.1	18.3	7.1	12.2	12.6	13.2	14.6	15.8	17.3	83.7	0.0	8.9	0.4	4.6	W	
11	11	7.4	11.4	4.9	10.9	12.0	13.0	14.5	15.7	17.2	90.3	0.0	3.7	0.3	3.4	WSW	
11	12	9.9	16.2	6.2	11.4	11.9	12.7	14.3	15.6	17.2	86.0	0.0	8.1	0.4	4.9	SSW	
11	13	8.4	14.9	1.5	10.6	11.6	12.6	14.2	15.6	17.1	48.7	0.0	13.8	1.9	12.8	WNW	
11	14	7.2	15.1	-0.2							47.8	0.0	13.6	1.0	4.7	WSW	
11	15	5.7	14.4	0.7	8.8	10.0	11.3	13.7	15.4	17.0	59.8	0.0	11.3	0.9	4.2	WNW	
11	16	5.2	14.1	-0.9							66.9	0.0	11.9	0.8	4.3	W	
11	17	5.7	14.2	0.5	8.5	9.4	10.6	13.1	15.1	16.9	75.4	0.0	9.5	0.6	4.6	WSW	
11	18	6.3	14.1	0.1	8.9	9.7	10.6	12.8	15.0	16.8	63.9	0.0	12.6	0.9	6.2	W	
11	19	4.3	14.2	-1.4	7.9	9.0	10.3	12.6	14.8	16.8	62.3	0.0	12.8	0.8	4.0	W	
11	20	3.5	11.3	-0.4	7.3	8.5	9.8	12.4	14.7	16.7	77.1	0.0	6.3	0.4	4.3	WSW	
11	21	5.8	15.0	0.2	7.9	8.6	9.7	12.1	14.5	16.6	79.3	0.0	12.2	0.7	4.6	WSW	
11	22	8.3	18.5	1.8	8.5	9.0	9.9	12.0	14.4	16.6	60.6	0.0	12.3	0.7	4.0	W	
11	23	8.9	17.5	4.0	8.8	9.2	10.0	11.9	14.2	16.5	65.2	0.0	11.1	0.8	5.4	WNW	
11	24	7.0	14.1	3.0	8.9	9.4	10.2	11.8	14.0	16.4	83.8	0.0	10.2	0.7	5.4	SW	
11	25	6.4	8.5	4.3	8.3	9.1	10.1	11.8	13.9	16.3	95.3	10.0	1.1	0.2	2.9	ENE	
11	26	6.2	7.6	5.0	8.2	8.9	9.8	11.7	13.7	16.2	99.9	25.0	1.5	0.0	1.6	ESE	
11	27	8.5	17.7	4.1	9.3	9.5	9.9	11.5	13.6	16.2	86.5	0.0	11.7	0.4	4.2	SW	
11	28	6.9	13.8	2.9	8.8	9.4	10.1	11.5	13.5	16.1	92.3	0.0	6.5	0.3	4.9	SW	
11	29	9.0	14.2	5.9	9.2	9.7	10.2	11.5	13.4	16.1	98.1	10.5	3.2	0.6	8.2	NW	
11	30	8.1	13.1	3.9	8.9	9.4	10.1	11.5	13.3	16.0	91.0	2.5	6.5	0.6	4.0	SE	
計	Total											54.5					
平均	Mean	8.1	14.8	3.5	10.2	10.9	11.7	13.4	15.1	16.9	78.9	1.8	9.0	0.6	4.8		
最大	Max.	14.0	19.4	9.9							99.9	25.0	15.2	1.9	12.8		
最低	Min.	3.5	7.6	-1.4							47.8	0.0	1.1	0.0	1.6		

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

2014年 12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
		平均	最高	最低	0.0	0.1	0.2	0.5	1.0	2.0m deep				Hum. %	Prec. mm	MJ/m <sup>2</sup>	
Date		Mean	Max.	Min.										Mean	Max.	Dir.	
12	1	8.4	10.4	5.1	9.4	9.8	10.3	11.5	13.2	15.9	97.2	8.0	2.2	0.2	8.3	WNW	0
12	2	4.6	8.9	-0.3	8.0	8.9	10.0	11.4	13.1	15.8	45.0	0.0	11.7	2.1	9.2	WNW	0
12	3	3.1	11.3	-2.0	6.5	7.6	9.0	11.3	13.0	15.8	46.2	0.0	11.6	1.1	10.3	N	0
12	4	4.5	8.0	0.6	6.2	7.2	8.5	10.9	12.9	15.7	75.5	0.0	3.5	0.6	6.1	N	0
12	5	2.0	8.4	-2.8	6.0	7.1	8.3	10.6	12.8	15.6	60.6	0.5	9.1	1.2	8.8	WNW	0
12	6	-1.0	6.4	-4.4	4.3	5.8	7.5	10.4	12.7	15.5	70.0	0.0	7.4	0.7	8.5	W	0
12	7	0.1	8.0	-4.2	3.9	5.1	6.7	9.9	12.5	15.4	63.1	0.0	9.9	0.7	3.8	NNE	0
12	8	1.2	10.6	-3.5	4.1	5.1	6.5	9.5	12.3	15.4	70.2	0.0	10.7	0.7	5.1	W	0
12	9	2.5	12.0	-2.0	4.2	5.1	6.4	9.2	12.1	15.3	59.8	0.0	8.7	1.0	6.4	WNW	0
12	10	1.4	7.5	-2.4	3.6	4.6	6.1	9.0	11.9	15.2	52.7	0.0	7.9	0.7	3.6	NW	0
12	11	4.6	11.3	0.3	4.4	5.0	6.1	8.7	11.7	15.1	87.7	3.5	3.2	1.4	12.2	NNW	0
12	12	2.0	4.5	-1.1	4.6	5.4	6.4	8.6	11.5	15.0	92.3	0.0	3.7	0.3	3.4	E	0
12	13	1.5	8.1	-2.6	4.1	4.9	6.1	8.5	11.3	14.9	53.4	0.0	10.1	1.4	11.7	WNW	0
12	14	-1.6	2.6	-4.4	2.5	3.9	5.6	8.4	11.2	14.9	73.7	0.0	4.7	0.5	4.6	ESE	0
12	15	0.1	9.0	-5.0	2.5	3.5	5.0	8.0	11.0	14.8	61.8	0.0	10.3	0.9	4.7	ESE	0
12	16	-1.7	1.6	-3.0	2.4	3.5	4.9	7.8	10.9	14.7	85.8	8.0	1.6	0.9	6.6	E	0
12	17	-1.0	2.7	-3.5	2.6	3.5	4.8	7.6	10.7	14.6	48.7	0.5	7.0	2.4	11.4	WNW	12
12	18	-1.5	3.4	-4.5	2.0	3.2	4.5	7.4	10.5	14.5	45.2	0.0	11.0	2.3	13.4	W	0
12	19	-0.9	6.8	-6.0	1.8	2.8	4.2	7.2	10.3	14.4	58.9	0.0	10.6	1.0	5.7	WNW	0
12	20	1.1	4.8	-3.3	2.0	2.8	4.1	6.9	10.1	14.3	78.8	19.0	4.7	1.1	8.5	E	0
12	21	2.5	9.5	-1.2	3.1	3.4	4.2	6.6	9.9	14.2	88.5	0.0	10.0	0.4	4.3	SE	0
12	22	1.1	6.3	-2.6	2.8	3.5	4.5	6.6	9.7	14.1	47.6	0.0	10.6	1.7	11.0	WNW	0
12	23	1.2	8.8	-3.1	2.6	3.3	4.3	6.5	9.5	14.0	63.4	0.0	10.7	0.8	7.6	SE	0
12	24	1.7	11.2	-3.8	2.4	3.1	4.2	6.4	9.4	13.9	58.1	0.0	10.5	0.8	5.0	WNW	0
12	25	2.0	10.1	-3.3	3.1	3.5	4.3	6.3	9.2	13.7	64.9	0.0	10.9	1.0	6.1	SSE	0
12	26	-1.1	7.0	-5.9	2.2	3.0	4.2	6.3	9.1	13.7	61.8	0.0	10.8	0.9	4.6	WSW	0
12	27	-1.0	7.4	-5.7	1.6	2.5	3.8	6.2	9.0	13.5	48.1	0.0	10.9	1.0	6.1	W	0
12	28	-0.7	8.0	-6.2	1.2	2.1	3.4	6.0	8.9	13.4	58.6	0.0	10.7	0.8	5.1	W	0
12	29	1.4	7.1	-0.7	1.6	2.3	3.4	5.8	8.7	13.3	96.2	8.5	2.0	0.4	6.7	NNW	0
12	30	1.8	8.5	-2.1	1.9	2.4	3.4	5.7	8.6	13.2	76.8	0.0	7.8	0.9	6.3	NW	0
12	31	3.2	11.9	-1.8	2.2	2.6	3.5	5.6	8.4	13.1	57.8	0.0	9.2	1.4	12.4	WNW	0
計	Total											48.0					
平均	Mean	1.3	7.8	-2.8	3.5	4.4	5.6	8.1	10.8	14.6	66.1	1.5	8.2	1.0	7.3		0.4
最大	Max.	8.4	12.0	5.1	9.4	9.8	10.3	11.5	13.2	15.9	97.2	19.0	11.7	2.4	13.4		12.0
最低	Min.	-1.7	1.6	-6.2	1.2	2.1	3.4	5.6	8.4	13.1	45.0	0.0	1.6	0.2	3.4		0.0

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