

2017年 01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	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>	平均	最大	風向	Snowfall Depth	
		Mean	Max.	Min.										Mean	Max.	Dir.		
01	1	3.1	12.6	-1.4	3.2	3.8	4.7	7.1	9.5	13.5	63.8	0.0	9.7	0.8	4.0	W	0.0	
01	2	3.3	12.5	-1.3	3.6	4.1	4.8	7.0	9.4	13.5	64.6	0.0	9.2	0.8	4.8	W	0.0	
01	3	2.6	10.9	-1.8	3.4	4.0	4.8	6.9	9.3	13.4	62.6	0.0	8.5	1.1	8.1	WNW	0.0	
01	4	2.9	12.6	-2.4								0.0					0.0	
01	5	1.2	7.4	-2.3	2.9	3.7	4.6	6.8	9.1	13.2	45.8	0.0	9.2	1.6	9.5	W	0.0	
01	6	-0.4	7.9	-4.8	2.4	3.3	4.3	6.7	9.0	13.1	56.6	0.0	9.3	0.7	4.4	SSW	0.0	
01	7	0.2	9.4	-5.6	2.0	2.9	4.0	6.5	9.0	13.1	59.4	0.0	9.7	0.6	3.4	SW	0.0	
01	8	-0.1	2.5	-2.0	1.6	2.5	3.7	6.3	8.9	13.0	76.9	4.5	1.8	0.1	2.4	WNW	20.0	
01	9	2.1	9.4	0.0	2.0	2.6	3.6	6.1	8.8	12.9	94.2	13.0	6.5	0.3	4.0	WNW	0.0	
01	10	2.5	9.8	-2.0	2.0	2.5	3.5	6.0	8.6	12.8	72.9	0.0	10.4	0.6	5.9	S	0.0	
01	11	0.8	9.0	-3.5	1.8	2.5	3.4	5.8	8.5	12.7	58.5	0.0	10.4	0.7	5.9	SSE	0.0	
01	12	0.8	8.1	-4.2	1.7	2.4	3.3	5.7	8.4	12.7	52.7	0.0	10.1	1.2	11.2	WNW	0.0	
01	13	0.9	8.2	-2.6	1.5	2.2	3.2	5.6	8.3	12.6	52.0	0.0	6.4	1.0	10.0	WNW	0.0	
01	14	-3.5	0.4	-7.3	0.7	1.7	2.9	5.5	8.2	12.6	63.2	0.0	3.1	1.1	11.7	WSW	0.5	
01	15	-4.7	0.4	-8.1	0.4	1.3	2.5	5.3	8.1	12.5	53.8	0.0	6.5	1.4	7.1	W	0.0	
01	16	-2.1	4.6	-7.7	0.1	1.1	2.3	5.1	8.0	12.4	53.8	0.0	9.9	1.5	8.5	W	0.0	
01	17	0.6	7.1	-3.7	0.6	1.3	2.2	4.9	7.9	12.3	57.0	0.0	8.1	0.9	5.5	WNW	0.0	
01	18	-0.4	7.7	-5.7	0.9	1.5	2.3	4.8	7.7	12.3	58.3	0.0	10.9	0.8	4.4	WSW	0.0	
01	19	0.6	8.7	-3.9	1.4	1.8	2.5	4.7	7.6	12.2	68.2	0.0	8.1	0.5	4.9	SSE	0.0	
01	20	-2.0	4.2	-4.5	1.3	1.8	2.6	4.7	7.5	12.1	84.1	0.0	6.5	0.6	5.2	SE	1.0	
01	21	-0.1	5.8	-4.4	1.6	2.0	2.6	4.7	7.4	12.0	66.4	0.0	8.4	1.4	8.5	W	0.0	
01	22	1.1	10.1	-5.7	1.7	2.1	2.7	4.7	7.3	12.0	52.7	0.0	11.1	1.8	10.8	W	0.0	
01	23	-2.1	4.4	-5.7	1.7	2.2	2.8	4.7	7.2	11.9	49.1	0.0	8.9	1.5	9.5	W	0.5	
01	24	-4.1	2.7	-8.9	0.7	1.6	2.5	4.7	7.1	11.8	47.5	0.0	11.3	1.5	10.8	W	0.0	
01	25	-2.3	7.1	-8.4	0.6	1.3	2.2	4.6	7.1	11.7	46.8	0.0	12.0	1.3	7.3	W	0.0	
01	26	-0.9	9.0	-7.4	0.8	1.4	2.1	4.4	7.0	11.7	45.9	0.0	12.2	1.1	3.8	W	0.0	
01	27	3.3	14.7	-4.5	1.4	1.7	2.2	4.3	6.9	11.6	45.0	0.0	9.6	1.0	7.7	WNW	0.0	
01	28	2.7	12.0	-2.8	2.4	2.4	2.6	4.3	6.8	11.5	59.9	0.0	12.2	0.8	4.8	SW	0.0	
01	29	3.4	11.1	-1.6	3.1	3.0	3.1	4.4	6.8	11.4	69.7	0.0	10.8	0.7	4.2	SSW	0.0	
01	30	6.9	15.7	0.5	4.3	4.0	3.8	4.6	6.7	11.3	66.6	0.0	7.0	1.3	7.6	WNW	0.0	
01	31	0.8	9.9	-4.1	3.6	3.9	4.0	4.9	6.7	11.2	46.6	0.0	12.8	1.1	8.1	SSE	0.0	
計	Total											17.5						
平均	Mean	0.5	8.3	-4.1	1.8	2.4	3.2	5.4	8.0	12.4	59.8	0.6	9.0	1.0	6.8			
最大	Max.	6.9	15.7	0.5								13.0					20.0	
最低	Min.	-4.7	0.4	-8.9								0.0					0.0	

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

気温 (Air Temperature): 4

降水量 (precipitation): 4

2017年 02月

気象月報

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 <sup>2</sup>	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
02	1	1.1	9.0	-4.7	3.0	3.4	3.8	5.0	6.7	11.2	62.1	0.0	12.1	0.9	7.4	S	0.0
02	2	-0.8	6.0	-5.8	3.4	3.7	3.9	5.1	6.7	11.1	47.7	0.0	13.2	1.9	12.3	WNW	0.0
02	3	1.9	10.5	-2.9	2.9	3.4	3.7	5.1	6.7	11.0	43.5	0.0	13.4	1.2	10.9	W	0.0
02	4	2.3	13.4	-4.0	3.0	3.4	3.7	5.1	6.7	10.9	43.9	0.0	13.5	0.9	4.4	WSW	0.0
02	5	1.0	6.6	-2.1	2.3	3.0	3.6	5.1	6.7	10.9	67.5	0.0	3.9	0.6	4.6	NNE	0.0
02	6	2.8	8.7	-1.2	3.1	3.3	3.6	5.1	6.7	10.8	69.4	0.0	7.0	1.8	10.1	W	0.0
02	7	0.2	7.2	-3.7	2.7	3.2	3.6	5.1	6.7	10.8	37.6	0.0	13.8	1.9	10.7	W	0.0
02	8	-0.5	9.1	-6.6	2.5	3.1	3.5	5.1	6.7	10.7	51.4	0.0	13.0	0.7	5.6	S	0.0
02	9	-1.2	2.9	-3.5	2.5	3.0	3.5	5.1	6.7	10.6	78.3	0.0	4.9	0.4	4.5	SSE	0.0
02	10	-1.5	4.9	-5.2	2.5	2.9	3.5	5.0	6.7	10.6	68.6	0.5	8.0	1.2	7.9	WSW	2.0
02	11	-1.6	5.3	-7.1	1.7	2.4	3.2	5.0	6.7	10.6	37.4	0.0	11.6	2.0	9.7	W	0.0
02	12	0.7	7.6	-3.2	2.0	2.5	3.0	4.9	6.7	10.5	36.4	0.0	14.0	1.5	9.7	W	0.0
02	13	0.5	9.4	-5.4	2.3	2.7	3.1	4.8	6.6	10.5	46.6	0.0	12.5	0.8	5.5	S	0.0
02	14	-0.7	11.3	-5.8	2.1	2.7	3.2	4.8	6.6	10.4	51.4	0.0	10.4	0.8	4.6	SW	0.0
02	15	0.7	11.7	-6.1	2.3	2.7	3.1	4.8	6.5	10.4	46.6	0.0	15.3	0.9	6.7	SSW	0.0
02	16	3.0	14.2	-4.6	3.1	3.2	3.3	4.8	6.5	10.3	49.2	0.0	15.0	0.9	4.0	WSW	0.0
02	17	7.7	16.8	0.8	4.3	4.1	3.9	4.8	6.4	10.3	55.2	0.0	11.8	1.9	11.5	NW	0.0
02	18	1.5	5.5	-1.7	3.7	4.1	4.3	5.0	6.4	10.2	74.3	0.0	5.4	0.5	4.2	SE	0.0
02	19	0.9	10.2	-4.4	4.3	4.3	4.3	5.2	6.4	10.2	51.0	0.0	15.6	1.0	7.9	SSW	0.5
02	20	4.3	14.5	-2.5	4.6	4.5	4.5	5.3	6.4	10.1	71.0	9.5	11.3	1.5	14.5	NW	0.0
02	21	0.9	6.3	-2.1	4.9	5.1	4.9	5.4	6.4	10.1	46.1	0.0	15.1	1.6	8.2	W	0.0
02	22	1.3	8.6	-4.9	4.4	4.6	4.8	5.6	6.5	10.1	51.8	0.0	14.9	0.6	5.7	SSE	0.0
02	23	5.7	16.3	-0.1	5.8	5.4	5.0	5.7	6.4	10.0	85.1	15.5	11.2	1.2	16.5	ESE	0.0
02	24	2.1	10.4	-2.6	5.9	5.9	5.6	5.8	6.5	10.0	57.1	0.0	14.8	0.9	8.9	SE	0.0
02	25	1.6	8.9	-4.2	5.1	5.4	5.5	6.0	6.6	9.9	67.7	0.0	12.7	0.6	4.4	SSE	0.0
02	26	3.3	11.6	-2.8	5.4	5.4	5.4	6.1	6.6	9.9	60.7	0.0	14.3	0.6	5.0	SSE	0.0
02	27	1.8	6.2	-2.4	5.1	5.4	5.5	6.2	6.7	9.9	71.9	0.0	8.7	0.7	4.6	SE	0.0
02	28	0.5	6.4	-2.4	5.0	5.3	5.5	6.2	6.7	9.9	82.6	0.0	6.8	0.4	3.5	SE	0.0
計	Total											25.5					
平均	Mean	1.4	9.3	-3.6	3.6	3.8	4.1	5.3	6.6	10.4	57.6	0.9	11.6	1.1	7.6		
最大	Max.	7.7	16.8	0.8	5.9	5.9	5.6	6.2	6.7	11.2	85.1	15.5	15.6	2.0	16.5		2.0
最低	Min.	-1.6	2.9	-7.1	1.7	2.4	3.0	4.8	6.4	9.9	36.4	0.0	3.9	0.4	3.5		0.0

2017年 03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	1.8	10.6	-4.4	5.0	5.1	5.3	6.3	6.8	9.8	79.9	2.5	13.8	0.6	5.1	SE	0.0
03	2	1.5	4.0	-0.1	4.4	5.0	5.4	6.3	6.8	9.8	98.7	4.0	2.2	0.1	3.5	WSW	0.0
03	3	3.8	14.6	-2.2	5.6	5.3	5.3	6.2	6.8	9.8	67.6	0.0	17.3	0.9	7.3	SW	0.0
03	4	3.9	13.2	-2.3	5.9	5.8	5.7	6.3	6.8	9.7	60.4	0.0	15.4	0.6	5.1	SSE	0.0
03	5	5.7	14.8	-0.9	6.5	6.3	6.0	6.4	6.9	9.7	59.4	0.0	15.3	0.7	4.7	S	0.0
03	6	3.9	8.7	-0.5	5.6	6.0	6.2	6.6	6.9	9.7	69.6	0.0	4.5	0.3	4.0	WSW	0.0
03	7	1.4	7.8	-3.7	5.0	5.4	5.8	6.7	7.0	9.7	57.1	0.0	11.3	1.1	10.4	SSE	0.0
03	8	0.6	8.4	-5.2	4.6	5.0	5.4	6.6	7.0	9.7	41.7	0.0	15.5	0.9	9.6	WSW	0.0
03	9	2.6	13.2	-3.7	5.0	5.2	5.4	6.5	7.1	9.7	41.1	0.0	16.6	0.9	6.8	SW	0.0
03	10	2.3	9.1	-2.4	4.7	5.1	5.4	6.5	7.1	9.7	47.8	0.0	10.8	0.9	9.4	W	0.0
03	11	2.0	11.7	-3.6	5.1	5.2	5.3	6.4	7.1	9.7	48.9	0.0	18.4	1.0	7.1	S	0.0
03	12	2.8	11.2	-4.4	5.6	5.6	5.6	6.4	7.1	9.6	57.8	0.0	16.4	0.7	5.1	SSE	0.0
03	13	2.8	10.0	0.2	6.4	6.3	6.1	6.5	7.1	9.6	80.7	0.5	9.7	0.6	5.0	SE	0.0
03	14	2.4	4.4	0.1	5.6	6.0	6.2	6.7	7.1	9.6	96.4	10.0	2.3	0.0	3.2	ESE	0.0
03	15	2.2	8.1	-0.9	5.8	5.8	5.9	6.7	7.1	9.6	82.8	0.5	11.0	0.5	6.0	SSE	0.0
03	16	3.4	15.0	-2.0	6.6	6.4	6.2	6.8	7.1	9.6	57.8	0.0	16.7	1.0	6.7	SSW	0.0
03	17	3.1	12.5	-2.9	6.7	6.6	6.4	6.9	7.1	9.6	56.8	0.0	17.6	0.8	5.2	SSE	0.0
03	18	4.1	12.4	-2.5	6.7	6.7	6.6	7.0	7.2	9.6	46.9	0.0	14.4	0.8	5.3	SSE	0.0
03	19	6.0	15.0	-1.0	7.1	6.9	6.7	7.1	7.2	9.6	49.6	0.0	16.5	1.1	7.1	W	0.0
03	20	7.9	17.1	0.8	8.0	7.6	7.2	7.2	7.2	9.6	37.1	0.0	18.6	1.0	5.1	SE	0.0
03	21	3.3	5.4	1.4	7.0	7.4	7.5	7.5	7.3	9.5	88.6	12.5	2.8	0.3	7.6	ESE	0.0
03	22	3.7	11.1	-1.2	7.0	7.0	7.0	7.5	7.3	9.5	56.7	0.0	17.5	1.2	9.1	WSW	0.0
03	23	3.6	12.1	-1.8	6.7	6.9	7.0	7.6	7.4	9.5	54.5	0.0	13.5	0.6	5.7	S	0.0
03	24	2.6	10.1	-2.2	7.2	7.2	7.1	7.6	7.5	9.5	54.0	0.0	18.7	1.0	9.1	SW	0.0
03	25	2.8	10.8	-4.3	6.9	7.0	7.1	7.6	7.5	9.5	50.3	0.0	17.1	0.8	5.8	SSE	0.0
03	26	0.5	2.1	-1.1	5.3	6.3	6.9	7.6	7.6	9.5	93.3	10.0	2.2	0.1	2.4	ESE	0.0
03	27	1.2	6.0	-1.4	3.9	4.9	5.9	7.5	7.6	9.5	90.2	17.0	8.4	0.2	3.8	N	9.0
03	28	1.9	10.3	-2.6	3.1	4.0	5.1	7.2	7.6	9.5	76.5	0.5	12.9	0.6	4.5	SSW	0.0
03	29	3.3	12.2	-2.5	4.8	4.7	4.9	6.8	7.6	9.5	75.4	0.0	18.3	0.5	4.2	SSE	0.0
03	30	6.9	16.1	-0.6	7.3	6.6	6.0	6.7	7.5	9.5	67.6	0.0	20.5	0.7	6.1	SSE	0.0
03	31	2.4	8.5	-0.2	5.8	6.4	6.6	6.9	7.4	9.5	83.8	10.0	3.5	0.2	4.9	WNW	0.0
計	Total											67.5					
平均	Mean	3.1	10.5	-1.9	5.8	6.0	6.1	6.8	7.2	9.6	65.4	2.2	12.9	0.7	6.0		
最大	Max.	7.9	17.1	1.4	8.0	7.6	7.5	7.6	7.6	9.8	98.7	17.0	20.5	1.2	10.4		9.0
最低	Min.	0.5	2.1	-5.2	3.1	4.0	4.9	6.2	6.8	9.5	37.1	0.0	2.2	0.0	2.4		0.0

2017年 04月

## 気象月報

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	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>	平均	最大	風向	Snowfall Depth
		Mean	Max.	Min.										Mean	Max.	Dir.	
04	1	1.1	3.5	-0.6	4.1	5.0	5.8	7.0	7.4	9.5	95.3	4.0	3.6	0.1	4.0	ESE	7.0
04	2	4.2	12.4	-0.2	6.5	5.9	5.7	6.8	7.4	9.5	79.8	0.0	17.9	0.6	5.5	SSE	0.0
04	3	4.7	14.4	-1.2	7.6	7.2	6.7	6.9	7.3	9.5	76.9	0.0	16.6	0.6	8.7	SSE	0.0
04	4	7.9	17.4	0.6	8.7	8.0	7.3	7.2	7.3	9.5	58.6	0.0	22.1	0.8	6.1	SSE	0.0
04	5	10.5	20.8	2.7	10.0	9.1	8.2	7.5	7.3	9.4	58.6	0.0	18.7	0.6	5.4	SSE	0.0
04	6	11.3	17.3	4.2	10.3	9.7	8.9	7.9	7.3	9.4	60.7	0.0	14.4	1.7	10.6	W	0.0
04	7	14.2	22.4	9.7	11.7	10.7	9.5	8.3	7.4	9.4	70.7	0.0	12.4	1.0	8.7	SW	0.0
04	8	11.6	14.5	10.0	11.4	10.9	10.1	8.8	7.5	9.4	94.1	0.5	3.5	0.2	2.9	W	0.0
04	9	10.8	16.4	4.0	11.6	11.1	10.3	9.2	7.6	9.3	91.7	9.5	6.8	0.3	5.3	ESE	0.0
04	10	6.7	14.5	0.9	10.7	10.6	10.2	9.5	7.8	9.3	64.1	0.0	16.6	0.7	5.2	ESE	0.0
04	11	1.8	3.6	0.5	6.1	7.9	9.0	9.6	8.0	9.3	95.7	32.0	1.3	0.1	3.1	W	0.0
04	12	9.0	18.7	2.9	9.1	8.1	7.8	9.2	8.2	9.3	72.8	0.0	21.1	0.8	6.7	SE	0.0
04	13	6.8	15.9	0.0	9.9	9.6	9.2	9.1	8.3	9.3	57.9	0.0	19.7	1.0	7.0	E	0.0
04	14	10.6	20.6	0.8	10.7	10.0	9.4	9.2	8.4	9.3	52.0	0.0	22.2	1.0	5.6	SSE	0.0
04	15	12.3	19.4	6.1	10.5	10.4	10.0	9.5	8.4	9.3	49.5	0.0	12.4	1.2	8.8	NW	0.0
04	16	14.9	24.2	6.8	11.6	10.8	10.1	9.6	8.5	9.4	36.4	0.0	20.8	1.4	8.0	WNW	0.0
04	17	14.8	26.2	10.2	12.1	11.5	10.8	9.9	8.5	9.4	51.4	23.0	12.2	1.0	8.3	ENE	0.0
04	18	15.6	25.4	8.9	14.7	13.0	11.7	10.4	8.6	9.3	79.4	23.0	21.6	0.8	5.5	ESE	0.0
04	19	11.9	20.3	5.9	14.2	13.7	12.7	10.9	8.8	9.4	49.9	0.0	23.8	2.3	13.8	W	0.0
04	20	11.6	19.7	3.1	13.5	12.9	12.4	11.3	9.0	9.4	51.7	0.0	21.9	0.9	6.2	ESE	0.0
04	21	10.5	16.6	7.1	13.1	13.0	12.5	11.5	9.2	9.4	79.7	0.0	10.8	0.6	4.4	SE	0.0
04	22	8.5	12.5	5.7	11.6	12.0	12.0	11.6	9.4	9.5	84.3	1.0	5.8	0.5	4.0	ESE	0.0
04	23	9.3	18.1	2.2	12.9	12.3	11.8	11.5	9.5	9.5	61.1	0.0	24.7	0.8	5.9	ESE	0.0
04	24	10.7	19.1	2.6	13.8	13.0	12.3	11.6	9.7	9.6	65.9	0.0	22.7	0.8	5.2	SSE	0.0
04	25	12.3	21.0	4.6	14.9	14.0	13.0	11.8	9.8	9.6	69.1	0.0	24.0	0.8	6.3	SSE	0.0
04	26	11.1	16.3	6.5	13.4	13.5	13.1	12.1	9.9	9.7	73.0	0.0	9.9	0.9	10.0	WSW	0.0
04	27	11.0	17.8	6.9	13.2	13.1	12.8	12.2	10.1	9.8	54.3	0.0	13.5	0.7	5.4	ESE	0.0
04	28	10.0	17.7	3.2	13.3	13.0	12.7	12.3	10.2	9.8	58.6	0.0	18.0	0.8	6.1	E	0.0
04	29	10.2	18.0	4.1	12.8	12.8	12.6	12.3	10.4	9.9	69.2	0.0	13.7	0.9	8.0	NE	0.0
04	30	14.3	24.4	4.6	13.8	13.1	12.6	12.3	10.5	10.0	45.2	0.0	24.2	0.9	5.5	NNE	0.0
計	Total											93.0					
平均	Mean	10.0	17.6	4.1	11.3	10.8	10.4	9.9	8.6	9.5	66.9	3.1	15.9	0.8	6.5		
最大	Max.	15.6	26.2	10.2	14.9	14.0	13.1	12.3	10.5	10.0	95.7	32.0	24.7	2.3	13.8		7.0
最低	Min.	1.1	3.5	-1.2	4.1	5.0	5.7	6.8	7.3	9.3	36.4	0.0	1.3	0.1	2.9		0.0

2017年 05月

## 気象月報

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 <sup>2</sup>	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
05	1	12.2	18.8	5.6	12.8	13.1	12.9	12.4	10.6	10.0	71.0	4.5	8.5	0.5	4.3	NNE	0.0
05	2	11.6	21.2	2.7	13.5	13.0	12.6	12.4	10.6	10.1	55.5	0.0	25.2	0.9	6.4	ESE	0.0
05	3	13.4	22.2	5.5	14.1	13.6	13.0	12.5	10.7	10.2	59.3	0.0	19.3	0.7	6.0	ESE	0.0
05	4	14.5	21.6	8.3	15.3	14.5	13.6	12.6	10.8	10.2	69.2	0.0	17.4	0.7	6.9	ESE	0.0
05	5	15.6	23.6	7.4	15.8	15.0	14.2	12.9	10.9	10.3	68.0	0.0	17.3	0.6	5.2	ESE	0.0
05	6	16.7	22.6	10.7	15.2	14.8	14.3	13.2	11.0	10.4	73.0	0.5	10.0	0.3	2.8	NW	0.0
05	7	15.5	23.1	8.4	16.3	15.5	14.6	13.4	11.2	10.4	66.2	0.0	17.9	0.9	6.2	ESE	0.0
05	8	16.8	28.7	6.8	16.1	15.5	14.8	13.6	11.3	10.5	40.3	0.0	25.7	1.1	8.8	WNW	0.0
05	9	14.2	18.2	10.7	15.2	15.2	14.8	13.8	11.5	10.6	61.2	0.0	11.2	0.6	4.5	ESE	0.0
05	10	11.4	12.8	10.0	14.3	14.5	14.5	13.9	11.6	10.6	95.6	3.0	3.1	0.3	3.0	ESE	0.0
05	11	16.5	25.5	10.2	16.3	15.3	14.6	13.9	11.7	10.7	65.6	0.0	20.7	0.8	8.6	WSW	0.0
05	12	17.8	25.9	10.0	17.1	16.1	15.2	14.0	11.9	10.8	60.5	0.0	20.3	0.5	5.0	ESE	0.0
05	13	12.4	14.9	10.0	15.4	15.6	15.4	14.3	11.9	10.8	95.8	20.5	2.9	0.1	7.0	NW	0.0
05	14	12.4	14.7	9.5	14.6	14.6	14.7	14.4	11.9	10.9	95.4	0.5	4.5	0.0	3.3	E	0.0
05	15	12.1	14.0	10.6	14.6	14.6	14.5	14.3	12.1	10.9	96.2	0.5	4.4	0.2	3.8	ESE	0.0
05	16	12.7	16.8	8.6	14.9	14.6	14.5	14.3	12.2	11.0	87.8	0.0	9.9	0.4	4.3	ESE	0.0
05	17	11.1	12.4	10.0	14.2	14.3	14.4	14.3	12.3	11.1	96.7	3.5	3.3	0.1	3.9	E	0.0
05	18	12.5	17.3	9.8	14.9	14.5	14.3	14.3	12.3	11.1	91.2	6.0	11.8	0.1	3.8	ESE	0.0
05	19	15.9	24.5	8.3	16.6	15.6	14.8	14.3	12.4	11.2	76.0	0.0	25.3	0.4	5.2	SE	0.0
05	20	19.3	28.7	10.8	17.9	16.8	15.8	14.5	12.4	11.3	63.8	0.0	25.3	0.5	5.0	SE	0.0
05	21	21.4	30.2	14.0	19.2	17.9	16.6	14.9	12.5	11.4	60.0	0.0	24.0	0.6	5.2	ESE	0.0
05	22	20.9	29.2	15.3	19.6	18.5	17.3	15.4	12.6	11.4	65.0	0.0	19.1	0.5	4.3	WNW	0.0
05	23	20.5	27.9	14.0	20.0	18.9	17.8	15.8	12.8	11.5	70.6	0.0	24.9	0.6	5.9	ESE	0.0
05	24	17.2	21.1	13.6	18.6	18.4	17.9	16.1	13.0	11.6	83.0	0.0	8.9	0.5	4.3	ESE	0.0
05	25	14.4	15.7	12.3	17.1	17.2	17.2	16.3	13.1	11.6	96.4	17.0	3.4	0.0	3.0	WSW	0.0
05	26	13.2	14.5	12.0	15.9	16.2	16.5	16.3	13.3	11.7	98.2	7.0	1.9	0.0	2.2	W	0.0
05	27	14.5	19.9	12.4	17.0	16.5	16.3	16.1	13.4	11.7	95.1	4.5	10.0	0.4	5.1	ESE	0.0
05	28	15.3	21.7	11.4	17.8	17.1	16.6	16.1	13.5	11.8	87.3	0.5	15.7	0.3	4.3	ESE	0.0
05	29	17.7	25.8	9.5	18.8	17.8	17.1	16.2	13.6	11.9	76.7	0.0	25.6	0.5	5.5	SE	0.0
05	30	20.4	28.9	12.4	19.8	18.7	17.8	16.4	13.7	12.0	73.2	0.0	22.7	0.5	4.8	SE	0.0
05	31	20.7	27.1	15.8	19.8	19.0	18.3	16.8	13.8	12.1	68.9	0.0	15.2	0.6	4.7	E	0.0
計	Total											68.0					
平均	Mean	15.5	21.6	10.2	16.4	15.9	15.4	14.5	12.1	11.0	76.2	2.2	14.7	0.5	4.9		
最大	Max.	21.4	30.2	15.8	20.0	19.0	18.3	16.8	13.8	12.1	98.2	20.5	25.7	1.1	8.8		0.0
最低	Min.	11.1	12.4	2.7	12.8	13.0	12.6	12.4	10.6	10.0	40.3	0.0	1.9	0.0	2.2		0.0

2017年 06月

## 気象月報

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 <sup>2</sup>	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
06	1	18.3	23.8	14.6	19.4	19.0	18.4	17.1	14.0	12.2	82.2	0.0	11.1	0.3	4.2	SSE	0.0
06	2	16.1	23.6	8.3	18.7	18.5	18.2	17.2	14.1	12.2	62.0	7.0	20.6	1.2	9.7	W	0.0
06	3	14.2	23.3	7.5	17.3	17.4	17.5	17.3	14.3	12.3	58.3	0.0	19.8	0.9	5.1	E	0.0
06	4	14.3	23.6	7.1	17.7	17.4	17.3	17.1	14.5	12.4	61.4	0.0	25.8	0.8	6.4	ESE	0.0
06	5	14.6	21.9	7.3	17.4	17.3	17.3	17.1	14.6	12.5	58.9	0.0	20.2	0.6	4.7	SE	0.0
06	6	15.1	21.4	8.4	17.7	17.3	17.2	17.0	14.7	12.6	75.0	0.0	18.6	0.7	5.4	ESE	0.0
06	7	14.8	18.4	11.6	17.4	17.4	17.3	17.0	14.8	12.7	86.7	1.5	8.6	0.5	4.3	ESE	0.0
06	8	17.0	22.3	12.6	18.3	17.7	17.3	17.0	14.8	12.8	86.9	0.5	13.9	0.6	7.4	ESE	0.0
06	9	18.2	23.9	13.3	18.9	18.3	17.8	17.1	14.9	12.8	78.7	0.0	15.2	0.5	4.2	ESE	0.0
06	10	18.6	26.6	11.6	18.7	18.3	18.0	17.2	14.9	12.9	61.8	0.0	18.1	1.0	10.5	W	0.0
06	11	16.9	23.3	10.1	18.9	18.4	18.0	17.3	15.0	13.0	68.6	0.0	21.4	0.8	5.9	ESE	0.0
06	12	16.3	23.1	10.8	19.4	18.8	18.3	17.4	15.1	13.1	63.5	0.0	23.3	0.9	5.8	ESE	0.0
06	13	12.2	13.6	11.4	17.0	17.7	17.9	17.5	15.3	13.2	90.2	0.0	3.1	0.3	3.7	ESE	0.0
06	14	15.4	21.4	11.4	17.9	17.5	17.4	17.4	15.3	13.3	84.2	0.5	15.4	0.4	4.2	SE	0.0
06	15	16.2	21.9	11.5	18.5	18.1	17.8	17.4	15.4	13.4	82.7	0.0	13.6	0.4	5.5	ESE	0.0
06	16	17.6	25.4	10.3	18.9	18.3	17.9	17.4	15.4	13.4	74.4	0.0	20.1	0.6	5.4	ESE	0.0
06	17	18.0	26.2	11.2	19.6	18.9	18.3	17.5	15.5	13.5	70.4	0.0	22.1	0.6	5.2	ESE	0.0
06	18	14.9	18.2	12.7	18.0	18.3	18.3	17.6	15.6	13.6	86.6	0.5	5.1	0.3	3.8	ESE	0.0
06	19	19.2	29.3	12.2	19.3	18.6	18.1	17.6	15.6	13.7	60.9	0.0	23.1	0.7	4.8	SW	0.0
06	20	20.3	27.8	11.9	19.7	19.0	18.5	17.7	15.7	13.7	55.6	0.0	23.7	0.8	6.3	E	0.0
06	21	16.2	17.8	14.5	18.5	18.6	18.5	17.8	15.6	13.8	93.9	27.0	4.7	0.1	3.1	WNW	0.0
06	22	18.3	24.5	14.3	19.2	18.6	18.3	17.9	15.6	13.8	82.7	0.0	16.3	0.2	3.8	ESE	0.0
06	23	19.5	26.3	12.9	19.6	19.0	18.6	17.9	15.7	13.8	75.9	0.0	17.3	0.4	5.2	ESE	0.0
06	24	19.5	25.6	14.0	20.0	19.4	18.9	18.1	15.7	13.9	80.0	0.0	15.0	0.4	4.9	ESE	0.0
06	25	18.7	22.4	16.2	19.9	19.5	19.1	18.3	15.8	14.0	89.0	3.5	8.9	0.1	3.4	ESE	0.0
06	26	20.9	27.8	17.0	21.6	20.5	19.6	18.4	15.9	14.0	78.7	0.0	17.6	0.4	4.2	SE	0.0
06	27	19.2	21.6	17.7	20.7	20.5	20.0	18.7	15.9	14.0	90.1	0.5	4.6	0.2	3.6	ESE	0.0
06	28	18.5	22.3	16.7	20.4	20.0	19.7	18.9	16.0	14.1	94.3	13.0	6.8	0.0	1.7	SSE	0.0
06	29	20.8	26.8	15.3	22.0	20.8	20.0	19.0	16.1	14.1	85.4	0.0	16.7	0.3	5.0	ESE	0.0
06	30	19.7	21.9	18.0	21.3	21.0	20.6	19.2	16.2	14.2	94.0	2.0	5.4	0.0	3.9	ESE	0.0
計	Total											56.0					
平均	Mean	17.3	23.2	12.4	19.1	18.7	18.3	17.7	15.3	13.3	77.1	1.9	15.2	0.5	5.0		
最大	Max.	20.9	29.3	18.0	22.0	21.0	20.6	19.2	16.2	14.2	94.3	27.0	25.8	1.2	10.5		0.0
最低	Min.	12.2	13.6	7.1	17.0	17.3	17.2	17.0	14.0	12.2	55.6	0.0	3.1	0.0	1.7		0.0

2017年 07月

## 気象月報

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 <sup>2</sup>	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
07	1	17.9	19.3	16.8	19.8	19.9	20.0	19.4	16.3	14.2	96.7	12.5	2.7	0.0	4.5	E	0.0
07	2	20.3	24.8	17.5	20.7	20.0	19.7	19.4	16.4	14.3	92.9	0.5	7.5	0.2	3.6	W	0.0
07	3	22.8	27.6	18.8	22.3	21.2	20.4	19.4	16.5	14.3	81.0	0.0	12.6	0.3	3.8	WNW	0.0
07	4	21.5	24.1	18.8	21.2	21.0	20.7	19.7	16.6	14.4	87.9	41.5	4.4	0.2	3.6	NNW	0.0
07	5	21.3	27.7	17.7	22.8	21.7	21.0	20.1	16.8	14.5	89.0	0.5	14.0	0.2	3.6	E	0.0
07	6	21.2	26.7	17.6	22.9	22.1	21.5	20.3	17.0	14.5	85.6	0.0	13.0	0.4	5.2	ESE	0.0
07	7	23.0	30.4	17.9	24.2	23.0	22.0	20.5	17.1	14.6	79.4	0.0	20.3	0.4	4.9	SE	0.0
07	8	23.9	31.6	17.7	24.6	23.5	22.6	20.8	17.2	14.7	74.9	0.0	20.8	0.4	4.9	SE	0.0
07	9	24.5	31.9	17.7	24.9	24.0	23.0	21.1	17.4	14.8	72.4	0.0	21.7	0.3	4.4	SSE	0.0
07	10	24.7	32.0	18.0								0.0					0.0
07	11	24.4	30.7	17.8	25.6	24.6	23.7	21.7	17.8	15.0	77.5	0.0	21.2	0.4	5.4	SE	0.0
07	12	23.6	31.5	19.5	25.2	24.6	23.9	22.0	17.9	15.1	85.6	21.5	13.5	0.2	4.3	ESE	0.0
07	13	22.6	27.8	19.3	24.9	24.3	23.8	22.3	18.0	15.1	90.4	0.5	12.7	0.2	4.7	ESE	0.0
07	14	22.7	30.0	18.4	24.5	24.0	23.6	22.4	18.3	15.3	86.5	0.5	15.2	0.2	4.8	ESE	0.0
07	15	25.0	32.3	19.8								0.0					0.0
07	16	24.4	30.0	20.1	25.3	24.7	24.2	22.7	18.6	15.5	81.3	0.0	13.8	0.3	4.0	SE	0.0
07	17	24.9	31.9	20.5								0.0					0.0
07	18	23.0	29.6	18.6	24.5	24.2	24.0	22.9	19.0	15.7	77.6	0.0	15.4	0.4	5.2	ESE	0.0
07	19	23.2	29.2	17.0	24.4	24.0	23.8	22.9	19.2	15.8	74.9	0.0	18.0	0.5	5.2	ESE	0.0
07	20	24.0	28.9	20.0	25.3	24.6	24.0	22.9	19.3	15.9	80.2	0.0	16.8	0.5	5.6	SE	0.0
07	21	25.3	31.1	20.5								0.0					0.0
07	22	23.2	32.0	18.9	25.5	25.2	24.7	23.2	19.6	16.1	81.7	1.5	15.2	0.6	6.2	W	0.0
07	23	21.0	23.6	18.9	23.4	23.8	24.0	23.3	19.7	16.2	93.7	1.0	4.4	0.1	2.5	W	0.0
07	24	24.4	30.7	19.1	25.1	24.3	23.9	23.2	19.9	16.3	83.1	0.0	16.3	0.4	5.0	ESE	0.0
07	25	23.4	28.6	20.7	24.9	24.6	24.3	23.2	19.9	16.4	90.8	2.0	8.0	0.2	4.0	ESE	0.0
07	26	21.0	23.1	18.6	23.6	23.8	23.9	23.3	20.0	16.5	96.3	8.5	3.7	0.1	3.2	E	0.0
07	27	20.0	23.4	16.9	23.0	23.0	23.3	23.2	20.0	16.6	91.5	1.0	8.4	0.1	4.0	ESE	0.0
07	28	22.7	27.8	19.4	23.8	23.4	23.3	23.0	20.0	16.7	89.8	0.0	8.9	0.1	2.5	ESE	0.0
07	29	21.1	22.9	19.1	23.2	23.2	23.4	23.0	20.0	16.7	96.4	27.5	2.5	0.2	3.7	E	0.0
07	30	20.5	22.2	18.9	22.9	22.5	22.8	23.0	20.0	16.8	96.1	3.0	5.5	0.1	3.4	E	0.0
07	31	24.2	31.7	19.0	25.8	24.3	23.5	22.9	20.0	16.9	84.7	0.5	22.0	0.3	5.2	SE	0.0
計	Total											122.5					
平均	Mean	22.8	28.2	18.7	23.9	23.3	22.9	21.9	18.4	15.5	85.8	4.0	12.5	0.3	4.3		
最大	Max.	25.3	32.3	20.7								41.5					0.0
最低	Min.	17.9	19.3	16.8								0.0		0.0			0.0

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

気温 (Air Temperature): 10, 15, 17, 21

降水量 (precipitation): 10, 15, 17, 21

2017年 08月

## 気象月報

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 <sup>2</sup>	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
08	1	21.3	23.8	19.8	23.9	23.9	24.0	23.2	20.0	16.9	94.5	12.0	3.7	0.0	3.8	W	0.0
08	2	18.8	21.3	17.3	22.5	22.7	23.1	23.3	20.1	17.0	97.3	5.0	4.2	0.2	3.5	E	0.0
08	3	18.6	20.5	16.9	21.7	21.9	22.4	23.1	20.2	17.1	95.8	0.5	4.4	0.1	2.5	E	0.0
08	4	22.0	28.5	18.7								0.0					0.0
08	5	23.9	29.3	18.7	25.0	23.9	23.4	22.8	20.3	17.3	86.9	0.0	15.3	0.3	5.2	ESE	0.0
08	6	24.9	30.9	20.9	26.1	25.0	24.3	23.1	20.3	17.4	85.9	1.0	16.4	0.3	4.3	ESE	0.0
08	7	22.5	28.8	18.3	24.6	24.5	24.4	23.5	20.3	17.5	90.9	53.0	11.6	0.3	4.4	ESE	0.0
08	8	23.5	28.1	21.0	24.9	24.2	24.0	23.9	20.6	17.6	93.0	4.5	9.8				0.0
08	9	24.7	32.2	20.2	25.7	24.9	24.5	23.9	20.7	17.8	84.3	0.0	14.6	0.0	1.8	SSW	0.0
08	10	23.2	27.7	20.5	25.1	24.8	24.7	24.0	20.8	18.0	89.6	0.0	8.6	0.0	1.5	ESE	0.0
08	11	20.3	22.3	19.2	23.5	23.6	24.0	24.0	20.8	18.0	96.1	17.0	4.5				0.0
08	12	21.8	25.5	18.9	24.2	23.6	23.7	23.9	20.9	18.0	91.9	2.0	11.7	0.2	4.7	ESE	0.0
08	13	22.0	28.0	20.3	24.2	23.9	23.9	23.8	21.0	18.1	92.4	5.5	8.3	0.1	4.1	S	0.0
08	14	21.2	23.9	19.8	23.7	23.5	23.7	23.8	21.0	18.2	94.6	12.0	6.9	0.2	3.7	ESE	0.0
08	15	19.4	20.4	18.5	22.3	22.7	23.2	23.8	21.1	18.2	97.7	14.0	2.4	0.0	2.1	ESE	0.0
08	16	18.1	18.8	17.6	21.4	21.7	22.4	23.6	21.2	18.3	98.0	16.5	3.4	0.0	2.2	ESE	0.0
08	17	19.7	22.2	17.5	22.0	21.8	22.2	23.3	21.2	18.5	95.2	0.5	6.7	0.1	3.2	ESE	0.0
08	18	20.8	24.6	19.1	22.4	22.2	22.4	23.1	21.2	18.6	95.1	0.0	5.4	0.1	4.0	ESE	0.0
08	19	22.4	29.5	18.3	23.8	23.1	22.9	23.1	21.1	18.7	87.6	33.0	16.1	0.3	4.2	ESE	0.0
08	20	20.0	22.5	17.1	22.3	22.5	22.9	23.3	21.2	18.8	94.8	0.0	5.1	0.0	2.2	ESE	0.0
08	21	22.4	27.6	18.7	24.2	23.4	23.1	23.2	21.2	18.9	89.0	0.0	15.7	0.4	4.9	ESE	0.0
08	22	23.4	29.2	18.2	24.4	23.9	23.6	23.3	21.2	19.0	86.6	0.0	13.9	0.2	3.4	SSE	0.0
08	23	23.1	29.4	18.2	24.3	23.9	23.8	23.5	21.2	19.0	84.7	0.0	13.1	0.3	3.4	W	0.0
08	24	24.4	32.1	19.0	24.9	24.3	24.0	23.6	21.2	19.1	78.0	0.0	16.0	0.4	4.9	WSW	0.0
08	25	23.1	29.2	19.9	24.1	24.0	24.1	23.8	21.3	19.1	85.5	0.5	7.9	0.2	3.5	W	0.0
08	26	23.0	28.7	19.1	24.3	23.9	23.9	23.8	21.3	19.2	83.9	0.0	13.2	0.3	4.3	ESE	0.0
08	27	20.5	23.5	18.1	22.8	23.2	23.7	23.8	21.4	19.2	83.5	0.0	5.6	0.1	2.7	E	0.0
08	28	21.4	27.1	16.7	23.3	23.0	23.2	23.7	21.4	19.2	83.3	0.0	15.0	0.3	4.5	SE	0.0
08	29	23.2	29.3	17.9	24.1	23.6	23.5	23.6	21.4	19.3	83.6	0.0	15.9	0.4	4.3	SSE	0.0
08	30	22.0	28.3	18.5	23.5	23.5	23.6	23.6	21.4	19.3	88.3	6.5	8.7	0.3	3.7	SE	0.0
08	31	18.0	20.8	14.5	22.5	22.8	23.3	23.6	21.4	19.2	96.6	3.5	5.1	0.4	4.6	E	0.0
計	Total											187.0					
平均	Mean	21.7	26.2	18.6	23.7	23.5	23.5	23.5	20.9	18.3	90.2	6.0	9.6	0.2	3.6		
最大	Max.	24.9	32.2	21.0								53.0					0.0
最低	Min.	18.0	18.8	14.5								0.0		0.0			0.0

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

気温 (Air Temperature): 4

降水量 (precipitation): 4



2017年 09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	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>	平均	最大	風向	Snowfall Depth
		Mean	Max.	Min.										Mean	Max.	Dir.	
09	1	18.8	25.6	13.8								5.5					0.0
09	2	16.6	24.0	12.1	21.3	21.3	22.0	23.2	21.3	19.3	87.5	18.0	16.4	0.4	5.3	ESE	0.0
09	3	18.0	25.5	11.9	21.4	21.5	22.0	23.0	21.4	19.4	77.6	0.0	17.8	0.5	4.0	SW	0.0
09	4	16.4	20.4	13.2	20.3	20.9	21.7	22.8	21.4	19.4	87.3	0.0	7.5	0.4	4.4	ESE	0.0
09	5	18.7	23.3	15.2	21.1	21.0	21.5	22.6	21.3	19.4	86.2	1.0	10.6	0.3	4.5	ESE	0.0
09	6	17.5	19.2	15.9	20.4	20.7	21.4	22.5	21.2	19.4	95.7	5.5	3.2	0.1	3.1	E	0.0
09	7	18.0	20.6	16.0	20.2	20.4	21.1	22.3	21.1	19.4	95.7	0.0	4.0	0.1	3.1	ESE	0.0
09	8	20.1	28.2	15.0	21.9	21.4	21.4	22.2	21.0	19.5	82.8	0.0	16.2	0.4	7.2	SW	0.0
09	9	19.4	26.6	13.7	21.9	21.6	21.7	22.2	21.0	19.5	79.4	0.0	19.8	0.5	4.6	S	0.0
09	10	20.6	28.3	15.8	22.4	22.1	22.0	22.3	20.9	19.5	79.3	0.0	17.3	0.4	4.6	SE	0.0
09	11	20.2	25.2	15.8	21.9	21.9	22.1	22.4	20.9	19.5	77.6	0.0	11.2	0.6	7.3	ESE	0.0
09	12	19.8	25.8	17.0	21.2	21.4	21.8	22.4	20.9	19.5	86.8	0.0	6.1	0.4	4.5	W	0.0
09	13	20.7	28.1	15.4	21.9	21.7	21.7	22.3	20.9	19.6	78.2	0.0	17.0	0.5	4.1	SSW	0.0
09	14	20.2	27.3	14.7	22.3	22.1	22.0	22.3	20.9	19.6	76.1	0.0	19.2	0.5	4.6	SSE	0.0
09	15	18.7	25.8	13.3								0.0					0.0
09	16	13.9	15.3	11.9								14.0					0.0
09	17	15.0	16.9	13.7								25.0					0.0
09	18	22.0	30.3	16.0	20.9	19.9	19.8	21.3	20.7	19.5	75.5	22.5	19.2	1.1	16.0	WNW	0.0
09	19	18.9	25.4	13.7	21.2	20.8	20.7	21.3	20.6	19.5	81.8	0.0	18.5	0.5	5.2	SSE	0.0
09	20	16.8	22.3	13.8	19.9	20.2	20.7	21.4	20.5	19.5	81.1	0.0	7.4	0.4	4.0	W	0.0
09	21	17.8	26.0	11.5	19.8	19.8	20.3	21.4	20.5	19.5	65.9	0.0	17.6	0.7	5.0	WSW	0.0
09	22	15.7	19.1	11.4	18.8	19.3	20.1	21.3	20.4	19.6	86.7	2.0	7.1	0.4	3.7	ESE	0.0
09	23	16.1	19.0	14.4	19.0	19.1	19.8	21.1	20.3	19.5	93.8	6.5	6.8	0.1	3.1	ESE	0.0
09	24	18.0	24.2	14.1	20.1	19.7	19.9	21.0	20.2	19.5	87.5	0.0	12.9	0.4	4.5	SE	0.0
09	25	18.6	25.3	13.6	20.9	20.5	20.4	21.0	20.2	19.5	83.0	0.5	17.7	0.5	5.0	SSW	0.0
09	26	18.0	25.0	12.4	20.7	20.5	20.6	21.1	20.1	19.5	85.3	0.0	15.9	0.5	4.6	SSW	0.0
09	27	17.0	22.0	13.4	19.8	20.1	20.5	21.2	20.1	19.5	88.8	4.5	8.0	0.3	3.4	SSE	0.0
09	28	14.9	18.9	12.9	18.6	19.1	19.9	21.1	20.0	19.4	94.5	8.5	3.8	0.1	3.6	E	0.0
09	29	15.7	22.4	10.8	19.2	19.1	19.6	20.9	20.0	19.4	79.8	0.0	16.7	0.4	4.0	SSE	0.0
09	30	14.4	21.3	10.3	18.4	18.9	19.5	20.8	20.0	19.4	80.7	0.0	12.2	0.4	4.1	S	0.0
計	Total											113.5					
平均	Mean	17.9	23.6	13.8	20.6	20.6	20.9	21.8	20.7	19.5	83.6	3.8	12.7	0.4	4.9		
最大	Max.	22.0	30.3	17.0								25.0					0.0
最低	Min.	13.9	15.3	10.3								0.0					0.0

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

気温 (Air Temperature): 1, 15~17

降水量 (precipitation): 1, 15~17

2017年 10月

## 気象月報

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 <sup>2</sup>	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
10	1	14.8	21.5	8.3	18.1	18.3	19.1	20.6	20.0	19.4	79.0	0.0	15.3	0.5	4.6	S	0.0
10	2	14.8	17.8	12.8	17.8	18.3	19.0	20.4	19.9	19.4	91.4	0.0	4.1	0.2	3.7	ESE	0.0
10	3	18.0	24.8	13.3	18.9	18.7	19.0	20.3	19.8	19.4	82.5	0.5	9.8	0.3	4.3	S	0.0
10	4	12.9	17.9	8.0	17.6	18.3	19.1	20.2	19.8	19.3	78.2	0.0	5.4	0.4	4.4	ESE	0.0
10	5	10.7	17.0	6.0	16.1	16.9	18.1	20.1	19.7	19.4	78.3	0.0	11.5	0.4	3.8	SE	0.0
10	6	10.2	12.5	8.2	15.0	16.0	17.5	19.7	19.6	19.3	93.1	31.5	3.6	0.1	3.9	ESE	0.0
10	7	13.9	17.4	10.4	15.3	15.4	16.4	19.1	19.5	19.2	95.3	9.0	5.8	0.0	2.2	W	0.0
10	8	18.0	24.7	13.5	18.0	17.3	17.3	18.8	19.3	19.2	86.2	0.0	14.2	0.4	4.6	SSE	0.0
10	9	18.2	24.5	13.3	19.0	18.6	18.3	19.0	19.1	19.2	84.0	0.0	15.0	0.5	4.5	S	0.0
10	10	18.9	27.3	13.2	19.3	18.9	18.8	19.2	19.0	19.2	82.1	0.0	14.7	0.4	3.7	SSW	0.0
10	11	18.3	24.9	14.6	19.4	19.2	19.1	19.4	18.9	19.2	88.7	0.0	10.4	0.5	4.7	SE	0.0
10	12	17.5	21.7	14.7	18.9	19.0	19.2	19.6	18.9	19.2	86.0	1.5					0.0
10	13	11.8	14.8	10.5	16.5	17.4	18.5	19.6	18.8	19.1	98.8	26.5	0.8	0.1	4.6	ESE	0.0
10	14	11.2	12.8	10.2	15.5	16.2	17.3	19.3	18.9	19.1	98.2	1.0	2.6	0.0	3.3	E	0.0
10	15	11.2	12.7	9.3	15.1	15.8	16.9	19.0	18.8	19.0	98.9	14.0	1.3	0.0	3.2	E	0.0
10	16	8.8	9.6	7.5	13.6	14.5	16.0	18.5	18.7	19.0	99.2	33.0	1.7	0.0	3.0	E	0.0
10	17	9.7	12.9	7.4	13.0	13.6	14.9	17.9	18.6	19.0	97.9	12.5	3.3	0.0	0.0	N	0.0
10	18	10.0	16.6	5.2	13.9	14.2	15.0	17.4	18.4	19.0	87.2	1.5	12.0	0.5	4.8	ESE	0.0
10	19	6.8	8.4	5.8	12.1	13.2	14.6	17.2	18.2	18.9	98.5	25.0	2.3	0.0	2.8	E	0.0
10	20	10.2	13.6	7.0	12.5	12.9	13.9	16.7	18.0	18.9	97.8	7.5	4.0	0.0	2.0	ESE	0.0
10	21	12.2	13.8	10.9	13.6	13.7	14.4	16.4	17.7	18.8	99.0	6.5	1.7	0.0	2.7	ESE	0.0
10	22	12.7	13.5	11.9	13.3	13.5	14.1	16.0	17.3	18.8	99.6	118.5	0.6	0.0	2.4	E	0.0
10	23	11.5	16.7	7.1	12.8	13.0	13.3	14.9	16.3	18.8	79.9	87.0	7.7	1.2	12.6	WNW	0.0
10	24	8.4	12.0	5.9	11.5	12.2	13.0	14.9	16.1	18.7	86.2	0.0	5.3	0.3	3.8	ESE	0.0
10	25	7.7	8.8	6.3	11.0	11.7	12.8	14.8	16.1	18.5	97.1	7.5	1.8	0.2	4.1	WNW	0.0
10	26	10.0	18.6	4.1	11.5	11.8	12.4	14.7	16.0	18.4	81.0	0.0	14.0	0.4	3.4	SSW	0.0
10	27	10.6	18.9	4.8	12.1	12.2	12.8	14.6	15.9	18.4	80.4	0.0	13.2	0.4	3.8	SSW	0.0
10	28	9.5	11.5	8.2	11.7	12.2	12.9	14.6	15.8	18.2	95.7	15.5	1.7	0.0	1.8	W	0.0
10	29	10.5	11.7	9.1	11.5	11.7	12.4	14.3	15.5	18.1	99.3	74.0	1.2	0.0	3.3	W	0.0
10	30	9.2	14.9	2.9	11.8	12.0	12.4	13.9	15.1	17.9	74.3	0.0	12.0	0.8	6.4	W	0.0
10	31	6.8	14.2	1.7	10.1	10.9	12.0	13.9	15.1	17.8	72.5	0.0	10.1	0.6	5.5	W	0.0
計	Total											472.5					
平均	Mean	12.1	16.4	8.8	14.7	15.1	15.8	17.6	18.0	18.9	89.2	15.2	6.9	0.3	3.9		
最大	Max.	18.9	27.3	14.7	19.4	19.2	19.2	20.6	20.0	19.4	99.6	118.5					0.0
最低	Min.	6.8	8.4	1.7	10.1	10.9	12.0	13.9	15.1	17.8	72.5	0.0		0.0	0.0		0.0

2017年 11月

## 気象月報

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 <sup>2</sup>	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
11	1	7.9	17.6	2.2	10.1	10.7	11.6	13.8	15.0	17.7	81.6	0.0	11.0	0.4	4.9	SSW	0.0
11	2	10.2	18.6	5.0	10.6	10.9	11.6	13.6	15.0	17.7	69.2	0.0	11.9	0.6	3.7	WSW	0.0
11	3	11.8	21.4	5.5	11.4	11.5	11.9	13.5	14.9	17.6	69.0	0.0	12.5	0.5	3.4	SW	0.0
11	4	10.7	18.7	4.4	11.6	11.8	12.2	13.6	14.8	17.5	69.9	0.0	7.7	0.6	6.4	E	0.0
11	5	6.9	16.0	1.2	10.2	11.0	11.9	13.6	14.7	17.4	69.4	0.0	12.6	0.6	4.5	SW	0.0
11	6	8.8	17.9	2.2	10.0	10.6	11.5	13.5	14.7	17.3	68.8	0.0	12.7	0.5	3.0	WSW	0.0
11	7	11.7	21.2	5.7	10.6	10.9	11.5	13.4	14.6	17.2	55.4	0.0	12.5	0.6	4.8	W	0.0
11	8	10.6	13.7	8.4	10.6	11.0	11.7	13.3	14.5	17.1	74.9	0.0	1.9	0.4	3.5	NW	0.0
11	9	9.8	17.0	2.7	10.5	10.9	11.6	13.3	14.4	17.1	61.4	0.0	11.9	0.8	5.6	WNW	0.0
11	10	6.9	14.7	0.7	9.4	10.2	11.2	13.2	14.4	17.0	70.8	0.0	11.7	0.8	9.2	SSW	0.0
11	11	12.0	18.8	3.3	10.6	10.8	11.3	13.1	14.3	16.9	54.9	1.0	9.1	2.3	14.9	WNW	0.0
11	12	5.5	14.6	0.0	9.1	10.0	11.0	13.0	14.3	16.8	66.8	0.0	10.7	0.7	4.0	WSW	0.0
11	13	6.2	14.3	0.6	8.8	9.5	10.5	12.8	14.2	16.8	76.4	0.0	10.7	0.7	4.2	SSE	0.0
11	14	9.1	17.2	4.1	9.4	9.8	10.6	12.7	14.1	16.7	82.4	0.0	5.1	0.3	2.6	WNW	0.0
11	15	7.6	15.4	3.2	9.4	9.9	10.6	12.6	14.0	16.6	74.6	0.0	8.8	0.5	4.9	SSW	0.0
11	16	5.3	13.5	0.1	8.3	9.2	10.3	12.5	14.0	16.5	62.7	0.0	9.0	0.6	4.9	SE	0.0
11	17	3.8	11.6	-0.9	7.5	8.4	9.7	12.3	13.9	16.5	73.1	0.0	10.7	0.4	4.5	S	0.0
11	18	4.7	8.1	1.0	7.2	8.1	9.4	12.0	13.8	16.4	78.4	0.0	1.8	0.3	9.5	WNW	0.0
11	19	3.9	11.5	-1.2	6.8	7.7	9.0	11.8	13.7	16.3	52.7	0.0	9.6	0.8	6.4	W	0.0
11	20	1.2	7.7	-2.2	5.7	6.9	8.5	11.5	13.6	16.3	73.9	0.0	6.2	0.5	6.2	S	0.0
11	21	3.2	11.5	-2.0	5.8	6.7	8.1	11.2	13.5	16.2	54.4	0.0	11.0	0.9	6.6	SSW	0.0
11	22	1.5	8.2	-3.4	5.0	6.0	7.7	10.9	13.3	16.2	79.6	1.0	5.7	0.4	4.6	SSE	0.0
11	23	5.4	12.8	0.4	6.4	6.8	7.8	10.6	13.1	16.1	88.4	10.5	4.7	0.4	5.9	NNW	0.0
11	24	3.6	11.6	-0.6	5.8	6.5	7.7	10.5	12.9	16.0	58.3	0.0	9.9	1.2	9.0	W	0.0
11	25	4.4	13.9	-0.5	5.7	6.4	7.5	10.3	12.8	15.9	59.8	0.0	10.2	0.7	4.1	SSW	0.0
11	26	6.8	17.1	-1.1	6.1	6.5	7.5	10.1	12.6	15.9	54.2	0.0	9.9	0.8	7.4	WNW	0.0
11	27	5.9	11.6	1.9	7.0	7.2	7.8	10.0	12.5	15.8	74.0	0.0	9.0	0.5	4.5	SSE	0.0
11	28	5.9	14.3	0.5	7.4	7.6	8.2	10.1	12.3	15.7	77.9	0.0	10.1	0.8	3.8	WSW	0.0
11	29	8.5	15.7	2.1	6.8	7.3	8.1	10.1	12.2	15.6	62.6	0.0	4.2	0.5	3.6	NNW	0.0
11	30	6.5	10.4	4.9	7.2	7.5	8.2	10.1	12.1	15.6	88.9	0.0	3.0	0.5	4.0	ESE	0.0
計	Total											12.5					
平均	Mean	6.9	14.6	1.6	8.3	8.9	9.9	12.1	13.8	16.6	69.5	0.4	8.9	0.6	5.5		
最大	Max.	12.0	21.4	8.4	11.6	11.8	12.2	13.8	15.0	17.7	88.9	10.5	12.7	2.3	14.9		0.0
最低	Min.	1.2	7.7	-3.4	5.0	6.0	7.5	10.0	12.1	15.6	52.7	0.0	1.8	0.3	2.6		0.0

2017年 12月

## 気象月報

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 <sup>2</sup>	平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
12	1	4.9	9.7	2.1	7.8	7.9	8.4	10.1	12.0	15.5	93.0	0.0	5.2	0.3	4.4	SE	0.0
12	2	2.1	9.6	-2.0	6.4	7.3	8.2	10.1	11.9	15.4	82.8	0.0	9.5	0.5	4.4	SSE	0.0
12	3	3.3	12.7	-2.1	5.6	6.4	7.6	10.0	11.9	15.3	70.1	0.0	9.7	0.5	4.1	WSW	0.0
12	4	4.1	10.6	-0.1	5.1	5.9	7.2	9.8	11.8	15.2	63.2	0.0	4.7	0.4	3.1	WNW	0.0
12	5	5.2	12.8	-0.2	5.5	6.1	7.1	9.6	11.7	15.2	44.2	0.0	9.4	1.6	11.5	WNW	0.0
12	6	1.8	10.0	-2.4	4.6	5.5	6.8	9.4	11.7	15.1	56.3	0.0	9.7	0.7	5.1	SSE	0.0
12	7	1.5	10.4	-3.5	4.0	5.0	6.3	9.2	11.6	15.0	67.7	0.0	9.5	0.5	3.8	SSW	0.0
12	8	1.3	7.7	-2.5	3.7	4.6	6.0	8.9	11.4	14.9	70.5	0.5	4.1	0.4	4.4	N	0.0
12	9	0.1	7.8	-4.3	3.6	4.5	5.8	8.7	11.3	14.9	66.1	0.0	9.0	0.7	4.5	SW	0.0
12	10	2.5	11.0	-3.0	3.5	4.2	5.5	8.5	11.2	14.8	59.1	0.0	9.2	0.8	8.3	SSW	0.0
12	11	7.0	15.5	0.9	4.8	5.1	5.8	8.3	11.0	14.7	45.5	0.0	9.4	1.7	9.4	W	0.0
12	12	1.5	8.1	-3.0	3.8	4.7	5.8	8.3	10.9	14.7	34.4	0.0	9.5	1.5	9.4	W	0.0
12	13	-0.1	9.1	-4.7	2.9	3.9	5.3	8.1	10.8	14.6	51.6	0.0	8.9	0.8	6.1	SW	0.0
12	14	0.3	9.4	-4.9	2.5	3.5	4.9	7.9	10.7	14.5	44.2	0.0	9.4	1.1	7.9	W	0.0
12	15	0.1	7.7	-3.1	2.5	3.3	4.7	7.7	10.5	14.4	58.0	0.0	6.4	0.5	4.0	SSE	0.0
12	16	3.1	12.3	-2.5	3.2	3.6	4.6	7.5	10.4	14.4	60.1	0.0	8.4	0.7	6.3	WSW	0.0
12	17	-0.5	5.2	-5.2	2.5	3.5	4.8	7.4	10.3	14.3	53.3	0.0	4.3	1.4	8.8	W	0.0
12	18	-0.9	7.7	-5.7	1.6	2.6	4.1	7.2	10.1	14.2	53.7	0.0	9.3	0.8	4.0	W	0.0
12	19	1.6	10.3	-3.3	1.9	2.6	3.9	7.0	10.0	14.1	51.1	0.0	8.4	1.0	10.1	W	0.0
12	20	-0.3	7.9	-5.0	1.7	2.5	3.8	6.8	9.9	14.1	57.3	0.0	9.3	0.7	4.4	WSW	0.0
12	21	0.7	9.1	-3.4	1.8	2.5	3.7	6.6	9.7	14.0	56.3	0.0	8.7	0.6	4.1	SW	0.0
12	22	1.1	10.0	-3.7	1.9	2.5	3.6	6.5	9.6	13.9	58.5	0.0	9.2	0.7	3.6	WSW	0.0
12	23	3.2	13.2	-2.1	2.4	2.8	3.7	6.3	9.5	13.8	55.3	0.0	9.0	0.8	3.5	W	0.0
12	24	2.8	12.0	-1.4	2.8	3.1	3.9	6.3	9.3	13.7	64.9	0.0	6.8	0.6	4.9	ESE	0.0
12	25	3.9	11.8	-2.0	4.2	4.1	4.4	6.3	9.1	13.6	77.1	12.0	8.7	0.8	7.3	NE	0.0
12	26	1.9	9.1	-3.7	3.0	3.6	4.4	6.4	9.0	13.5	55.3	0.0	9.1	2.0	13.0	W	0.0
12	27	-0.4	4.9	-3.9	2.1	2.9	4.1	6.4	8.9	13.4	41.3	0.0	7.2	2.1	12.6	W	0.0
12	28	-0.9	7.7	-5.8	1.6	2.4	3.6	6.2	8.9	13.4	54.4	0.0	9.6	0.9	6.5	ESE	0.0
12	29	-0.2	8.6	-5.7	1.4	2.1	3.3	6.0	8.8	13.3	52.9	0.0	9.5	0.9	5.1	W	0.0
12	30	1.8	10.3	-2.9	1.9	2.3	3.3	5.8	8.7	13.2	43.3	0.0	9.4	0.9	6.7	W	0.0
12	31	-1.2	3.3	-3.2	1.3	2.1	3.3	5.7	8.6	13.1	73.4	0.0	3.4	0.5	3.8	SE	0.0
計	Total											12.5					
平均	Mean	1.7	9.5	-3.0	3.3	4.0	5.1	7.7	10.4	14.3	58.5	0.4	8.2	0.9	6.3		
最大	Max.	7.0	15.5	2.1	7.8	7.9	8.4	10.1	12.0	15.5	93.0	12.0	9.7	2.1	13.0		0.0
最低	Min.	-1.2	3.3	-5.8	1.3	2.1	3.3	5.7	8.6	13.1	34.4	0.0	3.4	0.3	3.1		0.0