

2011年 01月

气象月報

秩父演習林栃本

## Monthly Report of Meteorological Data at Tochimoto

月	日	气温			平均地温						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
01	1	0.3	7.0	-3.5	2.4	3.4	4.6	6.9	9.7	13.3	50.4	0.0	5.3	0.5	3.7	N	-
01	2	1.1	8.1	-3.3	2.9	3.5	4.4	6.7	9.6	13.2	61.4	0.0	10.1	0.8	6.0	WNW	-
01	3	-0.9	6.1	-4.8	2.2	3.1	4.3	6.6	9.5	13.2	68.3	0.0	7.1	0.6	3.9	WSW	-
01	4	0.3	8.8	-3.8	2.8	3.3	4.2	6.4	9.3	13.1	62.7	0.0	10.4	0.7	6.5	WSW	-
01	5	0.6	10.3	-5.1	2.5	3.2	4.1	6.3	9.2	13.0	52.2	0.0	10.5	0.9	6.1	W	-
01	6	1.0	7.3	-4.2	3.2	3.5	4.3	6.2	9.1	12.9	56.2	0.0	10.4	1.2	7.3	WNW	-
01	7	-2.8	4.4	-7.3	2.3	3.1	4.1	6.1	9.0	12.9	46.4	0.0	11.7	1.0	7.8	W	-
01	8	-1.5	8.6	-7.8	1.8	2.6	3.7	6.0	8.9	12.8	45.2	0.0	11.8	0.8	3.6	W	-
01	9	2.3	11.7	-4.3	2.3	2.7	3.5	5.8	8.8	12.7	44.8	0.0	11.2	1.4	9.2	N	-
01	10	-2.8	4.2	-8.0	2.4	3.0	3.8	5.7	8.6	12.6	47.7	0.0	12.0	1.6	8.3	WSW	-
01	11	-2.2	5.7	-8.3	1.8	2.5	3.4	5.6	8.5	12.6	52.6	0.0	10.4	0.8	4.6	SSW	-
01	12	-1.4	6.0	-7.2	1.9	2.6	3.4	5.5	8.4	12.5	65.8	0.0	7.6	1.0	7.7	W	0.5
01	13	-2.8	5.8	-7.8	1.6	2.3	3.2	5.4	8.3	12.4	59.0	0.0	11.3	0.8	5.4	SSW	-
01	14	-2.5	6.1	-7.9	1.4	2.1	3.0	5.3	8.2	12.3	63.0	0.0	11.9	0.8	5.5	SW	-
01	15	-0.9	4.8	-5.1	1.0	1.8	2.8	5.1	8.1	12.2	56.3	0.0	6.1	0.8	9.4	SSW	-
01	16	-3.6	-0.1	-5.9	0.9	1.7	2.7	5.0	8.0	12.2	37.9	0.0	9.3	2.5	11.8	W	-
01	17	-0.8	6.0	-5.5	0.9	1.5	2.6	4.9	7.9	12.1	40.4	0.0	10.7	1.9	10.8	WNW	-
01	18	-0.8	8.4	-6.3	1.1	1.6	2.5	4.7	7.8	12.0	51.9	0.0	12.4	0.8	4.4	WSW	-
01	19	0.0	9.4	-5.2	1.6	1.9	2.6	4.6	7.7	11.9	54.6	0.0	12.5	0.8	4.6	WSW	-
01	20	-0.7	9.2	-5.9	1.6	2.0	2.7	4.6	7.6	11.8	52.3	0.0	12.7	1.0	8.3	W	-
01	21	-2.2	7.4	-8.0	1.4	1.9	2.7	4.6	7.5	11.8	56.6	0.0	12.7	0.8	5.0	WSW	-
01	22	-0.5	9.1	-6.4	1.6	2.0	2.6	4.5	7.4	11.7	56.4	0.0	12.6	0.8	4.9	W	-
01	23	-0.4	7.3	-5.6	1.5	2.0	2.7	4.5	7.3	11.6	55.7	0.5	10.0	0.8	4.0	SW	-
01	24	-1.5	3.3	-4.4	2.1	2.4	2.9	4.4	7.2	11.5	90.3	0.5	7.1	0.4	5.6	S	5
01	25	-1.3	7.9	-6.2	2.0	2.3	2.9	4.5	7.1	11.4	62.7	0.0	13.3	1.0	8.8	W	-
01	26	-1.8	7.7	-6.7	1.6	2.1	2.8	4.5	7.1	11.4	58.8	0.0	11.3	1.0	6.4	W	-
01	27	-0.9	8.0	-6.0	2.1	2.3	2.8	4.4	7.0	11.3	47.8	0.0	13.3	0.9	7.3	WNW	1
01	28	-2.7	5.8	-7.9	1.6	2.1	2.8	4.4	6.9	11.2	52.2	0.0	13.1	0.7	4.9	SSW	-
01	29	-3.1	3.8	-7.8	1.2	1.9	2.6	4.3	6.9	11.1	61.0	0.0	9.9	0.6	4.9	S	-
01	30	-3.6	2.0	-8.6	0.5	1.4	2.3	4.3	6.8	11.1	46.3	0.0	9.4	1.2	8.2	W	-
01	31	-4.1	5.0	-9.9	0.5	1.2	2.0	4.1	6.8	11.0	46.8	0.0	14.7	1.3	10.9	W	-
計	Total											1.0					
平均	Mean	-1.3	6.6	-6.3	1.8	2.4	3.2	5.2	8.1	12.1	55.0	0.0	10.7	1.0	6.6		2.2
最大	Max.	2.3	11.7	-3.3	3.2	3.5	4.6	6.9	9.7	13.3	90.3	0.5	14.7	2.5	11.8		5.0
最低	Min.	-4.1	-0.1	-9.9	0.5	1.2	2.0	4.1	6.8	11.0	37.9	0.0	5.3	0.4	3.6		0.5

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

2011年 02月

## 気象月報

秩父演習林栃本

## Monthly Report of Meteorological Data at Tochimoto

月	日	気温			平均地温						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	-0.1	11.5	-7.5	1.1	1.4	2.1	4.0	6.7	10.9	46.4	0.0	14.4	0.8	4.3	WSW	-
02	2	-0.4	10.0	-5.5	1.2	1.6	2.2	3.9	6.6	10.9	48.6	0.0	11.7	0.7	4.7	SSW	-
02	3	1.4	11.3	-4.7	1.9	1.9	2.4	3.9	6.6	10.8	55.3	0.0	14.6	0.8	3.7	WSW	-
02	4	2.4	11.7	-2.7	2.6	2.5	2.8	3.9	6.5	10.7	56.3	0.0	14.2	0.9	5.8	W	-
02	5	2.3	11.8	-3.3	2.6	2.7	3.0	4.0	6.4	10.6	57.6	0.0	11.7	0.7	3.9	SW	-
02	6	1.5	8.0	-3.1	2.8	2.8	3.1	4.1	6.4	10.6	76.4	0.5	12.5	0.8	5.7	S	-
02	7	2.4	11.5	-3.3	3.9	3.7	3.7	4.2	6.3	10.5	74.7	0.0	13.8	0.7	6.3	SSW	1
02	8	0.4	8.1	-4.3	3.5	3.6	3.8	4.4	6.3	10.4	65.3	0.0	13.2	0.6	5.5	SSE	-
02	9	1.2	10.4	-2.8	3.6	3.7	4.0	4.6	6.3	10.3	72.0	1.5	10.1	0.8	10.5	WSW	4
02	10	0.2	8.3	-4.9	3.5	3.6	3.9	4.7	6.3	10.3	60.4	0.0	13.9	0.9	5.1	SSW	-
02	11	-2.6	-1.0	-3.7	2.7	3.3	3.9	4.7	6.3	10.2	97.2	10.0	0.7	0.1	2.1	ESE	-
02	12	-2.7	0.7	-4.8	2.2	2.8	3.6	4.8	6.4	10.2	94.9	2.0	0.9	0.3	4.9	E	-
02	13	-2.0	5.1	-7.2	2.0	2.6	3.4	4.7	6.4	10.1	77.6	0.0	10.6	0.7	4.6	SE	-
02	14	-2.1	4.7	-6.6	1.4	2.1	3.1	4.6	6.4	10.0	85.1	7.5	10.2	0.5	5.5	SE	7(注)
02	15	-0.1	6.8	-5.9	1.6	2.1	3.0	4.5	6.4	10.0	80.9	9.5	12.0	0.6	8.2	W	27
02	16	0.3	11.9	-7.1	1.2	1.9	2.8	4.4	6.3	9.9	69.3	0.0	17.3	0.6	3.2	SW	-
02	17	3.0	11.4	-2.1	1.8	2.0	2.7	4.3	6.3	9.9	78.9	0.5	9.2	1.1	9.1	N	-
02	18	3.4	9.4	-3.0	4.1	3.5	3.3	4.1	6.1	9.8	78.1	24.5	16.4	1.5	10.6	WNW	-
02	19	1.0	9.7	-5.3	3.9	3.8	3.9	4.3	6.0	9.8	68.8	0.0	17.1	0.6	4.3	S	-
02	20	1.9	8.7	-3.0	3.6	3.8	4.0	4.4	6.0	9.7	74.6	0.0	9.7	0.3	4.2	S	-
02	21	2.6	10.3	-2.3	4.7	4.4	4.3	4.6	6.0	9.6	71.7	0.0	14.3	0.6	5.1	SE	-
02	22	2.7	13.0	-3.2	4.7	4.5	4.6	4.8	6.0	9.6	48.8	0.0	18.2	0.7	4.5	SSW	-
02	23	2.4	11.8	-4.5	4.8	4.7	4.7	4.9	6.0	9.5	66.8	0.0	17.4	0.6	4.8	S	-
02	24	4.9	12.3	-0.9	4.7	4.8	5.0	5.1	6.0	9.4	80.3	0.0	8.9	0.9	8.7	NW	-
02	25	9.0	19.0	0.8	6.1	5.5	5.3	5.2	6.1	9.4	57.9	0.0	15.7	1.8	10.6	WNW	-
02	26	3.7	13.1	-2.3	6.2	5.9	5.9	5.5	6.1	9.3	39.9	0.0	18.5	1.2	7.7	SE	-
02	27	5.4	16.7	-2.8	6.0	5.8	5.8	5.7	6.2	9.3	55.6	0.0	14.6	0.6	5.1	SSW	-
02	28	1.1	4.8	-1.1	4.9	5.5	5.9	5.8	6.3	9.2	97.1	10.5	1.2	0.3	3.9	ESE	-
計	Total											66.5					
平均	Mean	1.6	9.7	-3.8	3.3	3.4	3.8	4.6	6.3	10.0	69.2	2.4	12.2	0.7	5.8		9.8
最大	Max.	9.0	19.0	0.8	6.2	5.9	5.9	5.8	6.7	10.9	97.2	24.5	18.5	1.8	10.6		27.0
最低	Min.	-2.7	-1.0	-7.5	1.1	1.4	2.1	3.9	6.0	9.2	39.9	0.0	0.7	0.1	2.1		1.0

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

(注)14日の降雪深は11、12日の降雪によるもの

2011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			平均地温						湿度	降水量	日射量 日合計	風速 m/sec			降雪深
		Air Temperature			Soil Temperature						Hum. %	Prec. mm	MJ/m <sup>2</sup>	Wind Velocity			Snowfall cm
Date		平均 Mean	最高 Max.	最低 Min.	0.0	0.1	0.2	0.5	1.0	2.0m deep				平均 Mean	最大 Max.	風向 Dir.	Snowfall Depth
03	1	0.5	2.8	-1.3	4.0	4.5	5.2	5.9	6.3	9.2	98.7	1.0	4.1	0.2	2.8	SE	5
03	2	2.0	9.5	-3.7	5.3	5.0	5.3	5.8	6.4	9.2	78.0	0.0	14.3	1.0	8.0	WSW	-
03	3	-1.2	6.0	-5.8	4.9	5.1	5.4	5.8	6.5	9.2	49.0	0.0	17.0	1.6	8.5	WSW	-
03	4	-2.4	5.5	-7.9	4.0	4.5	5.0	5.8	6.5	9.2	51.8	0.0	16.3	1.2	8.8	W	-
03	5	0.6	11.6	-7.5	4.4	4.4	4.8	5.7	6.5	9.1	50.8	0.0	20.1	0.9	5.6	SSW	-
03	6	3.7	15.0	-3.2	5.0	4.9	5.1	5.6	6.5	9.1	54.0	0.0	15.7	0.8	5.5	N	-
03	7	0.6	2.6	-1.7	3.9	4.6	5.2	5.7	6.6	9.1	93.3	13.5	0.8	0.1	2.8	SW	-
03	8	0.5	7.1	-3.7	4.0	4.2	4.7	5.7	6.5	9.1	89.7	0.0	16.3	0.4	5.5	SSE	10
03	9	0.4	10.5	-4.8	3.9	4.2	4.6	5.5	6.5	9.1	67.9	0.0	13.4	1.1	6.9	W	-
03	10	-0.3	8.4	-6.4	4.8	4.7	4.8	5.5	6.5	9.0	52.2	0.0	21.2	1.1	5.4	S	0.5
03	11	-0.7	7.5	-5.8	4.0	4.5	4.9	5.5	6.5	9.0	57.4	0.0	13.2	1.1	9.3	WSW	-
03	12	1.7	11.6	-6.4	4.7	4.5	4.7	5.5	6.5	9.0	56.9	0.0	20.3	0.8	4.4	SSW	-
03	13	6.2	17.3	-1.9	6.3	5.6	5.4	5.5	6.5	9.0	51.8	0.0	21.2	0.8	4.4	WSW	-
03	14	8.2	18.1	1.4	6.6	6.3	6.1	5.8	6.5	9.0	48.7	0.0	14.9	0.7	5.4	NW	-
03	15	6.4	14.2	2.2	6.8	6.5	6.5	6.0	6.5	8.9	77.0	0.0	11.9	0.9	4.3	SE	-
03	16	1.1	6.7	-4.6	6.7	6.8	6.8	6.3	6.5	8.9	67.0	2.0	13.9	1.9	13.3	WSW	-
03	17	-3.1	1.2	-6.9	4.6	5.4	6.0	6.4	6.6	8.9	59.0	0.0	12.5	1.4	9.4	W	-
03	18	1.3	11.5	-6.5	5.4	5.3	5.5	6.3	6.7	8.9	44.6	0.0	22.4	0.9	6.1	S	-
03	19	7.0	18.2	-1.0	7.3	6.7	6.3	6.2	6.7	8.9	46.3	0.0	21.6	1.0	8.2	WSW	-
03	20	7.9	16.6	1.3	8.0	7.5	7.1	6.5	6.7	8.8	62.7	0.0	17.0	0.8	5.9	SE	-
03	21	6.4	8.6	3.3	7.5	7.6	7.6	6.8	6.8	8.8	97.6	14.0	2.2	0.5	5.7	E	-
03	22	1.8	3.5	0.3	5.5	6.3	7.0	7.0	6.8	8.8	99.6	10.5	3.3	0.3	3.1	ESE	-
03	23	0.7	6.7	-2.8	5.8	6.0	6.5	7.0	6.9	8.8	87.3	3.5	9.4	0.4	4.4	ESE	-
03	24	-1.1	5.0	-5.2	5.6	5.9	6.4	6.9	7.0	8.8	85.4	0.0	8.9	0.2	3.9	SSE	5
03	25	1.7	10.4	-4.9	6.2	6.1	6.3	6.8	7.0	8.8	76.1	0.0	17.2	0.7	8.5	SSW	1
03	26	0.6	6.2	-4.4	6.5	6.7	6.7	6.8	7.1	8.8	61.2	0.0	16.8	1.5	10.6	W	-
03	27	0.6	10.2	-6.4	5.9	6.1	6.4	6.8	7.1	8.8	52.9	0.0	18.3	0.9	6.3	SSE	-
03	28	2.8	11.5	-4.1	6.9	6.7	6.7	6.8	7.1	8.8	60.0	0.0	20.8	0.9	4.9	SSW	-
03	29	4.8	13.1	-2.2	7.0	6.9	6.9	6.9	7.1	8.8	58.2	0.0	17.2	0.9	5.5	W	-
03	30	5.7	14.5	-0.7	7.5	7.3	7.2	7.0	7.1	8.8	64.8	0.0	16.0	0.7	5.5	SE	-
03	31	3.9	12.5	-1.6	7.4	7.4	7.5	7.2	7.2	8.8	58.6	0.0	15.4	1.3	9.6	WNW	-
計	Total											44.5					
平均	Mean	2.2	9.8	-3.3	5.7	5.7	6.0	6.2	6.7	8.9	66.4	1.4	14.6	0.9	6.4		4.3
最大	Max.	8.2	18.2	3.3	8.0	7.6	7.6	7.2	7.2	9.2	99.6	14.0	22.4	1.9	13.3		10.0
最低	Min.	-3.1	1.2	-7.9	3.9	4.2	4.6	5.5	6.3	8.8	44.6	0.0	0.8	0.1	2.8		0.5

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

2011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			平均地温						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	6.4	16.3	-1.8	7.8	7.4	7.4	7.3	7.2	8.8	47.6	0.0	23.8	0.9	5.6	SE	-
04	2	8.5	18.6	1.6	8.8	8.3	8.0	7.4	7.3	8.8	50.9	0.0	18.6	1.0	5.5	E	-
04	3	3.3	8.6	-0.4	7.9	8.2	8.3	7.6	7.3	8.8	63.8	0.0	12.5	0.6	5.1	SE	-
04	4	3.4	12.8	-2.9	8.2	8.0	8.0	7.7	7.4	8.8	49.4	0.0	24.9	1.0	8.5	SE	-
04	5	6.4	18.9	-3.2	8.4	8.2	8.1	7.8	7.5	8.8	35.8	0.0	24.7	1.0	4.8	SW	-
04	6	9.5	20.1	1.1	9.5	9.0	8.6	7.9	7.5	8.8	38.1	0.0	24.7	0.9	5.6	SSE	-
04	7	9.8	17.9	4.1	9.1	9.1	9.0	8.2	7.6	8.8	53.0	0.0	14.0	0.7	4.8	WNW	-
04	8	13.2	21.0	6.7	9.2	9.0	9.0	8.3	7.7	8.8	49.9	0.0	11.0	2.5	16.0	W	-
04	9	10.6	13.0	8.5	9.7	9.4	9.3	8.5	7.7	8.8	89.6	3.0	5.9	1.1	9.9	ESE	-
04	10	8.9	12.7	7.0	10.1	9.8	9.6	8.7	7.8	8.8	87.6	0.0	8.2	0.4	4.0	ESE	-
04	11	8.9	16.5	3.3	10.1	9.8	9.7	8.9	7.9	8.8	75.4	0.0	13.7	0.9	5.2	E	-
04	12	5.2	13.8	-0.8	10.1	10.0	9.8	9.1	8.0	8.8	37.9	0.0	25.1	1.4	9.7	WSW	-
04	13	9.5	21.6	-1.4	10.3	10.0	9.8	9.1	8.2	8.8	42.2	0.0	25.5	0.9	5.5	ESE	-
04	14	12.6	22.2	4.0	11.5	10.9	10.4	9.3	8.2	8.9	42.6	0.0	24.9	0.9	6.2	SSW	-
04	15	14.6	23.5	7.1	12.6	11.8	11.2	9.6	8.3	8.9	48.2	0.0	21.0	1.2	9.8	WSW	-
04	16	13.8	24.4	4.3	13.4	12.6	11.9	9.9	8.4	8.9	56.9	0.0	23.0	1.0	9.8	WSW	-
04	17	9.6	18.2	1.3	12.8	12.4	11.9	10.3	8.6	8.9	58.8	0.0	24.6	0.7	6.0	SE	-
04	18	8.3	13.0	4.6	11.9	12.0	11.9	10.6	8.8	8.9	81.7	2.0	10.5	0.5	5.2	SE	-
04	19	4.8	8.4	0.8	9.6	10.5	11.1	10.6	8.9	8.9	99.5	27.5	2.8	0.6	4.9	ESE	-
04	20	6.5	16.7	0.0	9.9	9.9	10.2	10.5	9.0	9.0	77.0	0.0	22.9	0.8	8.4	WSW	-
04	21	7.8	15.2	1.2	11.5	11.0	10.7	10.3	9.1	9.0	82.0	0.0	23.0	1.0	5.5	SE	-
04	22	9.6	13.5	6.9	11.7	11.7	11.5	10.5	9.2	9.1	91.7	0.0	8.5	0.4	4.2	ESE	-
04	23	10.2	13.2	8.5	11.1	11.2	11.4	10.7	9.3	9.1	96.6	17.0	5.0	1.3	15.6	ENE	-
04	24	10.3	18.4	3.6	12.7	12.1	11.7	10.8	9.4	9.1	75.0	0.5	22.5	0.9	6.9	E	-
04	25	7.6	15.7	1.2	11.7	11.8	11.8	11.0	9.5	9.2	60.6	0.0	23.3	1.2	9.1	WNW	-
04	26	7.6	15.0	1.8	10.3	10.9	11.2	11.0	9.6	9.3	61.2	0.0	11.9	0.7	4.5	ENE	-
04	27	14.5	24.4	4.8	12.3	11.5	11.3	10.9	9.7	9.3	67.1	2.0	23.1	2.3	13.0	WNW	-
04	28	14.1	22.9	4.4	14.6	13.6	12.8	11.1	9.7	9.3	70.2	12.5	25.0	1.6	16.5	WSW	-
04	29	8.6	15.7	2.4	12.7	12.9	12.8	11.6	9.8	9.4	71.6	0.0	20.1	0.7	5.3	ESE	-
04	30	10.9	17.4	3.0	12.0	12.2	12.3	11.7	10.0	9.5	66.4	0.0	14.9	1.1	13.1	SE	-
計	Total											64.5					
平均	Mean	9.2	17.0	2.7	10.7	10.5	10.3	9.6	8.5	9.0	64.3	2.2	18.0	1.0	7.8		
最大	Max.	14.6	24.4	8.5	14.6	13.6	12.8	11.7	10.0	9.5	99.5	27.5	25.5	2.5	16.5		
最低	Min.	3.3	8.4	-3.2	7.8	7.4	7.4	7.3	7.2	8.8	35.8	0.0	2.8	0.4	4.0		

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

2011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			平均地温						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	14.9	18.9	11.2	12.4	12.3	12.4	11.7	10.1	9.5	67.2	0.0	10.8	2.5	14.8	W	-
05	2	14.6	22.3	7.5	13.3	12.8	12.6	11.7	10.2	9.5	44.4	0.0	21.7	1.0	7.6	E	-
05	3	10.4	16.3	5.6	12.4	12.5	12.7	11.9	10.3	9.6	78.1	2.5	10.9	0.5	3.8	SSE	-
05	4	13.1	22.5	5.8	14.0	13.1	12.9	11.9	10.4	9.6	61.9	0.0	24.4	0.9	7.0	SE	-
05	5	9.9	15.7	6.4	13.3	13.2	13.2	12.1	10.5	9.7	77.3	0.0	13.3	0.7	5.7	ESE	-
05	6	9.3	11.7	7.0	12.5	12.7	13.0	12.2	10.6	9.7	92.3	0.0	5.0	0.2	3.7	SE	-
05	7	11.5	15.3	8.7	12.4	12.3	12.7	12.2	10.7	9.8	93.2	0.0	6.5	0.4	4.2	ESE	-
05	8	16.5	25.2	8.5	14.3	13.5	13.2	12.2	10.8	9.8	55.7	0.0	23.5	1.4	12.4	W	-
05	9	15.5	24.6	7.2	14.6	13.9	13.6	12.4	10.9	9.9	52.1	0.0	24.7	0.8	5.6	ESE	-
05	10	18.6	25.8	13.4	15.3	14.6	14.3	12.6	10.9	9.9	78.5	7.0	7.9	0.8	8.6	N	-
05	11	12.0	14.4	10.4	13.9	14.1	14.3	13.0	11.0	9.9	99.6	42.5	2.9	0.5	8.3	E	-
05	12	11.6	13.5	10.4	13.2	13.3	13.8	13.2	11.1	10.0	99.2	1.5	4.1	0.3	3.3	ESE	-
05	13	16.0	24.7	9.3	15.3	14.4	14.0	13.2	11.3	10.1	83.1	0.0	22.9	0.7	7.6	E	-
05	14	14.1	22.8	6.2	15.5	15.1	14.7	13.3	11.4	10.2	48.2	0.0	28.7	1.4	11.2	WNW	-
05	15	15.6	24.8	7.2	15.4	15.0	14.7	13.5	11.5	10.3	39.1	0.0	27.3	0.9	6.8	W	-
05	16	14.2	20.8	7.9	15.1	15.0	14.8	13.7	11.6	10.3	62.5	0.0	18.5	0.5	4.7	ESE	-
05	17	11.9	17.0	9.0	14.4	14.6	14.7	13.8	11.7	10.4	88.3	6.0	8.8	0.3	3.9	SW	-
05	18	14.2	22.3	6.9	15.4	14.9	14.7	13.8	11.8	10.4	73.0	0.0	27.1	0.7	5.2	ESE	-
05	19	16.6	25.4	7.9	16.1	15.5	15.2	13.9	11.9	10.5	64.1	0.0	27.1	0.8	5.4	E	-
05	20	18.7	27.1	11.0	16.9	16.2	15.7	14.1	12.0	10.6	61.4	0.0	25.9	0.7	5.4	ENE	-
05	21	20.3	29.2	12.4	17.7	16.9	16.3	14.4	12.2	10.6	58.8	0.0	26.2	0.7	5.2	E	-
05	22	16.5	24.2	12.4	16.6	16.6	16.5	14.7	12.3	10.7	87.2	15.5	8.0	0.6	4.2	E	-
05	23	11.2	13.3	8.5	15.1	15.6	15.9	14.9	12.4	10.7	99.1	19.0	4.0	0.3	4.2	ESE	-
05	24	9.8	17.1	4.8	12.9	13.7	14.5	14.9	12.6	10.8	91.2	33.0	16.8	0.6	5.9	W	-
05	25	14.8	24.0	6.3	15.0	14.5	14.5	14.6	12.8	10.9	75.9	0.0	26.2	0.6	5.7	ESE	-
05	26	12.0	13.3	9.9	14.2	14.7	15.0	14.5	12.9	11.0	95.1	5.0	2.4	0.2	2.7	ESE	-
05	27	12.4	14.6	9.9	14.0	14.2	14.6	14.5	12.9	11.1	96.5	4.0	5.9	0.3	2.8	ESE	-
05	28	13.7	15.6	12.0	14.2	14.3	14.6	14.5	13.0	11.1	98.6	8.5	4.6	0.0	2.5	SSE	-
05	29	14.4	15.8	13.1	14.2	14.5	14.9	14.6	13.1	11.2	100.0	117.0	2.5	0.3	3.4	E	-
05	30	14.3	20.2	11.9	14.7	14.7	15.0	14.8	13.5	11.6	91.8	29.5	10.9	0.4	6.7	NNE	-
05	31	13.2	18.7	8.4	15.6	15.4	15.4	14.9	13.6	11.7	84.2	0.0	14.8	0.7	5.8	ESE	-
計	Total											291.0					
平均	Mean	13.9	19.9	8.9	14.5	14.3	14.3	13.5	11.7	10.4	77.3	9.4	15.0	0.7	5.9		
最大	Max.	20.3	29.2	13.4	17.7	16.9	16.5	14.9	13.6	11.7	100.0	117.0	28.7	2.5	14.8		
最低	Min.	9.3	11.7	4.8	12.4	12.3	12.4	11.7	10.1	9.5	39.1	0.0	2.4	0.0	2.5		

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

2011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			平均地温						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	8.7	11.0	7.1	14.2	14.7	15.2	14.9	13.6	11.8	98.5	0.5	4.5	0.4	3.1	ESE	-
06	2	10.0	11.6	8.2	13.4	13.9	14.6	14.9	13.6	11.9	99.5	0.5	3.6	0.3	3.7	ESE	-
06	3	15.6	23.6	9.1	15.2	14.7	14.7	14.7	13.6	11.9	84.8	0.5	20.7	0.4	4.3	SE	-
06	4	17.7	25.5	10.4	16.8	16.0	15.6	14.8	13.6	12.0	80.4	0.0	26.3	0.6	4.4	SE	-
06	5	17.3	24.4	12.0	16.8	16.5	16.3	15.1	13.6	12.0	83.1	9.0	14.1	0.5	5.6	E	-
06	6	18.3	26.1	11.3	17.9	17.2	16.7	15.3	13.6	12.0	74.7	0.0	28.7	0.6	4.3	SE	-
06	7	16.7	21.2	12.7	17.4	17.2	17.1	15.6	13.7	12.1	84.0	0.0	14.6	0.6	5.0	ESE	-
06	8	16.6	21.5	13.3	17.2	17.0	17.0	15.8	13.8	12.1	86.2	0.0	11.9	0.4	3.9	ESE	-
06	9	17.3	22.4	14.6	17.3	17.0	17.1	15.9	13.9	12.1	88.7	4.5	12.0	0.5	4.0	ESE	-
06	10	17.9	23.3	12.9	18.0	17.4	17.3	16.0	14.0	12.1	90.6	0.5	16.0	0.5	4.1	SE	-
06	11	18.0	22.0	15.6	17.8	17.6	17.7	16.3	14.0	12.2	96.3	30.0	7.9	0.3	5.0	WSW	-
06	12	18.2	21.4	15.3	18.3	17.9	17.9	16.5	14.2	12.2	93.1	0.5	9.4	0.2	3.3	SSW	-
06	13	17.7	21.2	15.1	18.2	17.9	18.0	16.7	14.3	12.3	95.3	14.0	9.9	0.1	2.9	SW	-
06	14	17.9	22.7	14.6	18.7	18.3	18.3	16.9	14.5	12.4	87.8	0.0	12.8	0.6	5.0	E	-
06	15	15.5	18.3	13.6	17.9	18.0	18.2	17.0	14.7	12.4	87.8	0.0	9.2	0.3	3.4	ESE	-
06	16	16.0	20.1	12.8	17.7	17.6	17.9	17.1	14.8	12.5	91.0	6.5	11.7	0.5	5.0	ESE	-
06	17	15.8	17.5	14.1	17.7	17.6	17.9	17.1	14.9	12.5	98.5	6.5	7.3	0.4	4.1	ESE	-
06	18	16.1	18.0	14.4	17.6	17.6	17.9	17.1	14.9	12.6	98.2	3.0	5.2	0.2	2.6	ESE	-
06	19	17.4	20.9	15.4	17.9	17.7	17.9	17.1	15.0	12.7	96.2	0.0	7.3	0.1	2.8	ESE	-
06	20	20.4	26.5	15.7	19.6	18.8	18.5	17.2	15.1	12.7	87.5	0.0	17.5	0.4	3.4	SE	-
06	21	21.1	28.4	16.1	20.3	19.7	19.3	17.5	15.2	12.8	84.5	0.0	17.1	0.4	6.5	W	-
06	22	23.1	32.2	15.1	21.2	20.4	19.9	17.8	15.3	12.9	68.1	0.0	26.7	0.6	4.6	NNE	-
06	23	23.4	29.7	19.0	21.6	21.0	20.6	18.2	15.4	13.0	77.2	0.0	13.8	0.3	5.2	WNW	-
06	24	25.7	33.4	20.2	22.0	21.4	20.9	18.6	15.5	13.0	61.8	0.0	20.6	1.0	9.5	WNW	-
06	25	22.2	28.7	19.1	22.0	21.5	21.2	18.9	15.7	13.1	85.3	4.5	14.8	0.7	6.0	E	-
06	26	18.4	20.7	17.1	20.9	20.8	21.0	19.1	15.9	13.1	97.8	1.5	5.5	0.3	3.4	ESE	-
06	27	18.8	20.8	17.4	20.4	20.2	20.5	19.2	16.0	13.2	98.0	0.0	5.9	0.4	3.4	ESE	-
06	28	24.3	32.2	18.5	22.1	21.1	20.8	19.2	16.2	13.3	83.4	0.0	20.9	0.4	3.7	S	-
06	29	24.6	31.5	19.2	23.0	22.2	21.7	19.4	16.3	13.4	82.0	0.0	18.8	0.5	5.1	SSE	-
06	30	23.3	29.8	18.9	22.9	22.5	22.1	19.8	16.4	13.4	87.2	21.5	16.0	0.4	5.2	ESE	-
計	Total											103.5					
平均	Mean	18.5	23.5	14.6	18.7	18.4	18.3	17.0	14.7	12.5	87.6	3.5	13.7	0.4	4.4		
最大	Max.	25.7	33.4	20.2	23.0	22.5	22.1	19.8	16.4	13.4	99.5	30.0	28.7	1.0	9.5		
最低	Min.	8.7	11.0	7.1	13.4	13.9	14.6	14.7	13.6	11.8	61.8	0.0	3.6	0.1	2.6		

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

2011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			平均地温						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	21.6	29.2	18.0	22.2	22.1	22.0	20.2	16.5	13.5	92.7	17.5	14.0	0.3	4.3	W	-
07	2	21.6	27.4	19.2	22.1	21.9	22.0	20.4	16.7	13.6	93.1	0.5	11.8	0.2	3.5	SSW	-
07	3	22.7	26.9	18.4	22.6	22.2	22.1	20.5	17.0	13.7	89.2	0.0	14.6	0.5	4.1	ESE	-
07	4	23.3	30.4	19.2	22.7	22.4	22.3	20.6	17.2	13.8	83.8	2.0	12.1	0.4	6.4	WNW	-
07	5	23.0	29.4	18.4	23.4	22.8	22.5	20.8	17.3	13.9	83.7	0.5	21.9	0.6	5.7	ESE	-
07	6	22.7	29.9	16.4	23.5	23.1	22.8	21.0	17.5	14.0	78.7	0.0	23.8	0.5	3.7	SSE	-
07	7	20.9	23.3	18.7	22.8	22.8	22.9	21.2	17.6	14.1	94.3	2.0	7.6	0.2	3.7	SE	-
07	8	24.0	30.5	19.7	23.4	22.9	22.7	21.2	17.7	14.2	88.3	4.0	19.0	0.4	3.5	SSE	-
07	9	23.5	29.3	20.1	23.9	23.5	23.3	21.4	17.9	14.3	87.4	0.5	11.8	0.5	6.1	W	-
07	10	23.4	32.4	19.1	23.6	23.4	23.3	21.6	18.0	14.4	86.9	18.5	18.6	0.5	6.7	NW	-
07	11	22.9	30.7	17.9	23.6	23.5	23.4	21.8	18.1	14.5	89.9	17.0	20.3	0.4	5.5	NE	-
07	12	23.9	30.5	18.4	24.3	23.9	23.7	22.0	18.3	14.6	87.2	0.5	23.6	0.5	6.0	ESE	-
07	13	24.4	30.5	19.3	24.6	24.2	24.0	22.2	18.5	14.7	85.6	0.0	19.9	0.4	4.9	SSE	-
07	14	24.3	31.8	19.4	24.7	24.4	24.2	22.4	18.7	14.8	87.9	8.0	20.6	0.4	3.8	SW	-
07	15	25.3	33.0	19.6	25.1	24.7	24.4	22.6	18.8	14.9	81.8	0.0	25.0	0.5	4.0	S	-
07	16	25.6	33.3	19.1	25.3	24.9	24.7	22.8	19.0	15.0	76.6	0.0	25.9	0.4	4.2	SSE	-
07	17	26.0	33.4	19.3	25.4	25.0	24.8	22.9	19.2	15.2	75.1	0.0	26.7	0.5	3.9	SSW	-
07	18	24.3	29.3	19.7	24.5	24.6	24.7	23.1	19.3	15.3	75.0	0.0	11.3	0.5	4.9	WNW	-
07	19	21.3	23.6	19.7	23.0	23.5	24.0	23.1	19.4	15.4	95.8	34.0	4.5	0.5	4.0	E	-
07	20	20.6	22.4	17.7	21.9	22.5	23.1	23.0	19.6	15.5	99.4	26.0	3.1	0.5	5.2	E	-
07	21	15.7	17.9	13.4	20.4	21.3	22.3	22.9	20.0	15.7	97.7	26.5	6.8	0.5	4.4	E	-
07	22	16.9	22.7	12.3	20.9	21.1	21.8	22.5	20.2	16.0	86.0	0.0	21.1	0.4	4.5	SE	-
07	23	20.5	27.9	14.0	22.1	22.0	22.2	22.2	20.2	16.2	76.7	0.0	27.4	0.5	5.7	SE	-
07	24	20.7	25.5	17.2	22.1	22.2	22.5	22.2	20.2	16.3	89.3	0.0	10.3	0.4	4.3	ESE	-
07	25	22.7	28.9	17.1	22.9	22.5	22.6	22.2	20.1	16.4	82.6	0.0	23.5	0.5	4.6	S	-
07	26	23.1	28.7	18.1	23.3	23.1	23.1	22.3	20.1	16.5	83.8	0.0	18.7	0.5	4.7	SSE	-
07	27	22.7	28.3	19.2	23.2	23.1	23.3	22.5	20.1	16.6	87.0	0.0	11.4	0.3	5.1	WSW	-
07	28	22.2	27.3	18.8	23.1	23.0	23.2	22.5	20.2	16.6	92.8	2.0	10.6	0.2	2.8	WSW	-
07	29	22.0	27.5	18.3	23.0	22.9	23.2	22.6	20.2	16.7	89.8	0.5	11.4	0.2	3.1	W	-
07	30	21.2	24.8	19.5	22.6	22.7	23.1	22.6	20.2	16.7	95.0	12.0	8.7	0.3	5.8	SW	-
07	31	18.7	19.8	17.5	21.6	22.1	22.7	22.5	20.2	16.8	99.6	19.5	4.5	0.6	4.0	ESE	-
計	Total											191.5					
平均	Mean	22.3	28.0	18.1	23.1	23.0	23.1	22.0	18.8	15.1	87.5	6.2	15.8	0.4	4.6		
最大	Max.	26.0	33.4	20.1	25.4	25.0	24.8	23.1	20.2	16.8	99.6	34.0	27.4	0.6	6.7		
最低	Min.	15.7	17.9	12.3	20.4	21.1	21.8	20.2	16.5	13.5	75.0	0.0	3.1	0.2	2.8		

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

2011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			平均地温						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	18.6	20.4	17.2	21.1	21.5	22.2	22.4	20.2	16.9	98.6	1.0	5.0	0.2	3.4	ESE	-
08	2	19.5	21.4	18.0	21.1	21.4	22.0	22.3	20.3	17.0	98.0	0.0	5.0	0.2	3.0	ESE	-
08	3	20.8	23.2	19.1	21.3	21.5	21.9	22.1	20.3	17.0	96.5	0.5	5.7	0.1	2.2		-
08	4	21.4	24.9	19.6	21.8	21.8	22.1	22.1	20.3	17.1	95.0	6.0	8.9	0.3	3.7	ESE	-
08	5	22.0	26.3	18.8	22.3	22.1	22.3	22.1	20.2	17.2	94.4	2.0	11.9	0.4	4.0	SE	-
08	6	23.3	30.5	19.7	23.0	22.7	22.8	22.2	20.3	17.2	91.9	1.0	13.4	0.5	3.8	W	-
08	7	23.2	30.5	19.2	23.3	23.2	23.1	22.3	20.2	17.3	91.9	14.5	15.0	0.4	4.0	W	-
08	8	23.3	32.2	18.4	23.2	23.4	23.4	22.6	20.3	17.3	88.0	43.0	21.7	0.5	6.6	W	-
08	9	24.6	32.6	19.1	23.7	23.5	23.5	22.9	20.5	17.5	86.0	0.0	23.1	0.4	4.3	WNW	-
08	10	26.3	33.5	20.4	24.8	24.4	24.1	23.0	20.6	17.6	82.3	0.0	24.4	0.5	4.0	WSW	-
08	11	24.5	33.3	20.1	25.1	24.7	24.5	23.2	20.6	17.6	86.8	7.5	16.3	0.4	4.1	S	-
08	12	24.8	30.6	20.5	25.8	25.0	24.8	23.4	20.7	17.7	84.1	0.0	21.0	0.5	5.0	SE	-
08	13	23.1	29.2	19.5	25.2	24.9	25.0	23.6	20.8	17.7	90.3	6.5	13.4	0.5	5.3	SSW	-
08	14	24.4	31.7	19.6	25.5	24.9	25.1	23.8	20.9	17.7	87.6	3.5	18.0	0.4	3.7	ESE	-
08	15	23.6	29.8	19.4	25.3	25.0	25.3	23.9	21.0	17.8	90.3	7.0	15.3	0.4	6.1	W	-
08	16	24.4	30.8	19.2	25.5	25.0	25.3	24.0	21.0	17.8	87.0	0.0	18.9	0.4	4.3	SE	-
08	17	24.7	31.4	19.5	25.6	25.2	25.5	24.2	21.1	17.9	83.4	0.0	17.6	0.5	4.3	W	-
08	18	26.3	33.3	21.1	26.2	25.5	25.6	24.3	21.2	17.9	79.3	1.0	20.2	0.5	4.7		-
08	19	21.0	24.8	17.8	24.3	24.9	25.5	24.4	21.3	18.0	95.7	13.0	3.6	0.6	4.1	E	-
08	20	17.9	19.8	17.0	22.0	23.0	24.1	24.3	21.4	18.0	98.4	12.5	5.1	0.3	3.1	E	-
08	21	16.9	18.2	16.3	20.8	21.9	23.1	23.9	21.5	18.1	99.6	14.0	4.0	0.3	4.0	ESE	-
08	22	18.1	20.9	16.2	20.5	21.3	22.4	23.5	21.6	18.2	97.8	18.5	6.5	0.2	2.9	ESE	-
08	23	20.2	25.5	17.9	21.8	21.8	22.5	23.1	21.7	18.4	95.6	0.0	11.3	0.4	4.5	ESE	-
08	24	22.1	28.3	16.9	23.0	22.8	23.1	23.0	21.6	18.5	90.4	5.5	17.4	0.5	5.3	SE	-
08	25	20.6	22.3	19.1	22.0	22.6	23.3	23.1	21.5	18.5	98.8	19.0	4.6	0.3	3.9	WNW	-
08	26	20.5	26.9	18.9	21.7	22.3	23.1	23.1	21.5	18.6	97.3	44.0	7.5	0.2	4.1	W	-
08	27	20.5	23.9	19.0	22.1	22.4	23.0	23.1	21.6	18.9	96.6	0.5	7.5	0.4	3.9	ESE	-
08	28	20.9	24.2	19.1	22.4	22.6	23.2	23.1	21.6	19.0	95.5	2.5	8.1	0.2	3.9	SE	-
08	29	21.7	26.4	19.1	23.0	22.9	23.4	23.1	21.5	19.0	92.2	0.5	12.7	0.4	3.9	ESE	-
08	30	21.6	28.4	16.5	23.7	23.5	23.7	23.2	21.5	19.0	85.5	0.0	21.2	0.5	5.0	SE	-
08	31	20.8	24.2	18.0	23.0	23.3	23.8	23.3	21.5	19.0	94.3	14.5	8.3	0.2	3.4	S	-
計	Total											238.0					
平均	Mean	22.0	27.1	18.7	23.2	23.2	23.6	23.2	21.0	17.9	91.9	7.7	12.7	0.4	4.1		
最大	Max.	26.3	33.5	21.1	26.2	25.5	25.6	24.4	21.7	19.0	99.6	44.0	24.4	0.6	6.6		
最低	Min.	16.9	18.2	16.2	20.5	21.3	21.9	22.1	20.2	16.9	79.3	0.0	3.6	0.1	2.2		

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



2011年 09月

## 気象月報

秩父演習林栃本

## Monthly Report of Meteorological Data at Tochimoto

月	日	气温			平均地温						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	21.3	25.1	19.7	22.0	22.5	23.3	23.3	21.5	19.1	97.8	38.5	6.9	0.3	3.3	SSW	-
09	2	21.6	25.7	19.5	22.1	22.6	23.3	23.3	21.6	19.2	96.4	94.5	8.4	0.6	7.6	NNE	-
09	3	21.8	24.4	20.4	21.4	21.7	22.4	23.2	22.2	19.9	99.0	143.5	7.2	0.4	4.6	S	-
09	4	19.9	21.9	18.7	21.4	21.9	22.7	23.0	22.3	20.3	98.9	15.5	5.0	0.2	4.0	W	-
09	5	20.7	23.5	18.6	21.7	21.9	22.6	23.0	22.2	20.4	97.2	4.5	7.0	0.3	5.2	ESE	-
09	6	19.3	24.6	14.8	22.0	22.3	22.9	23.0	22.1	20.3	90.3	1.5	13.7	0.4	5.5	E	-
09	7	19.0	26.2	13.3	21.9	22.1	22.8	23.0	22.1	20.3	83.7	0.0	22.2	0.6	4.9	S	-
09	8	19.4	27.0	13.9	22.0	22.3	22.8	23.0	22.0	20.3	83.0	0.0	20.1	0.8	5.3	W	-
09	9	20.9	28.2	15.7	22.0	22.3	22.9	23.0	22.0	20.3	88.4	0.0	13.2	0.4	4.6	W	-
09	10	23.3	30.7	18.3	23.0	22.8	23.2	23.0	21.9	20.2	87.0	0.0	17.5	0.5	4.1	SE	-
09	11	22.8	27.5	18.9	23.3	23.3	23.6	23.1	21.9	20.2	87.9	0.0	12.7	0.3	3.1	ESE	-
09	12	22.2	29.2	16.6	23.5	23.4	23.7	23.3	21.9	20.2	84.8	0.0	21.3	0.7	5.2	WSW	-
09	13	22.7	29.3	17.4	23.6	23.6	23.9	23.4	21.9	20.2	83.4	0.0	18.6	0.6	3.4	SW	-
09	14	23.3	30.0	18.0	23.8	23.6	24.0	23.5	21.9	20.2	82.9	0.0	18.2	0.6	4.1	SW	-
09	15	23.0	28.6	18.8	24.4	24.1	24.3	23.6	22.0	20.1	84.9	0.0	18.7	0.6	4.3	S	-
09	16	22.5	30.8	17.3	24.2	24.0	24.3	23.7	22.1	20.1	84.2	1.0	20.0	0.7	3.7	WSW	-
09	17	21.8	25.9	19.9	23.9	23.9	24.3	23.8	22.1	20.1	93.8	0.0	7.6	0.4	3.9	W	-
09	18	23.0	29.8	18.1	24.3	24.0	24.2	23.8	22.1	20.1	84.4	0.0	21.1	0.6	4.9	SW	-
09	19	22.4	29.5	16.5	24.4	24.2	24.4	23.8	22.2	20.1	84.8	3.0	17.8	0.9	4.3	ESE	-
09	20	16.2	17.1	15.3	20.9	22.3	23.5	23.8	22.0	20.0	99.9	50.5	2.9	0.6	4.3	E	-
09	21	16.4	20.8	15.1	17.3	18.8	20.4	22.9	22.2	20.1	99.1	147.5	1.7	0.8	13.3	NNE	-
09	22	17.4	24.8	12.3	17.8	17.9	19.0	21.4	22.4	20.6	93.3	10.0	11.0	0.4	5.0	NNE	-
09	23	12.9	16.0	10.8	17.4	18.2	19.4	21.2	22.1	20.6	96.7	2.5	5.5	0.1	2.9	NW	-
09	24	13.5	20.6	7.7	17.9	18.2	19.2	21.0	21.9	20.6	85.9	0.0	19.5	0.5	4.6	SSW	-
09	25	13.3	19.2	10.1	17.6	18.3	19.3	20.9	21.7	20.6	91.6	0.0	8.4	0.3	4.4	ESE	-
09	26	12.4	15.0	10.0	16.7	17.6	18.9	20.7	21.5	20.6	95.6	0.0	4.1	0.1	2.2	WNW	-
09	27	14.0	22.0	9.6	17.4	17.7	18.8	20.5	21.3	20.5	77.3	0.0	16.4	0.6	4.6	W	-
09	28	13.8	22.2	8.2	17.4	17.9	18.8	20.3	21.2	20.5	72.7	0.0	20.0	0.7	4.7	W	-
09	29	15.1	23.5	8.7	17.8	18.0	18.8	20.2	21.0	20.5	79.6	0.0	19.5	0.6	3.9	WSW	-
09	30	16.9	21.2	12.1	17.9	18.2	19.0	20.1	20.9	20.4	90.0	0.0	7.5	0.3	2.9	W	-
計	Total											512.5					
平均	Mean	19.1	24.7	15.1	21.0	21.3	22.0	22.5	21.9	20.2	89.2	17.1	13.1	0.5	4.6		
最大	Max.	23.3	30.8	20.4	24.4	24.2	24.4	23.8	22.4	20.6	99.9	147.5	22.2	0.9	13.3		
最低	Min.	12.4	15.0	7.7	16.7	17.6	18.8	20.1	20.9	19.1	72.7	0.0	1.7	0.1	2.2		

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

2011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			平均地温						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	15.4	19.8	11.1	18.2	18.4	19.2	20.1	20.7	20.4	82.7	0.0	7.6	0.4	4.5	E	-
10	2	11.9	17.1	8.5	17.4	17.9	18.9	20.1	20.6	20.3	88.4	0.0	10.9	0.4	6.5	ESE	-
10	3	12.0	19.2	7.9	17.3	17.7	18.6	20.0	20.5	20.3	70.8	0.0	16.9	0.6	7.2	ESE	-
10	4	11.5	19.1	5.9	16.9	17.4	18.4	19.8	20.4	20.3	75.2	0.0	18.5	0.5	4.4	SSW	-
10	5	10.5	12.1	8.2	15.3	16.5	17.8	19.6	20.3	20.1	97.7	23.5	2.3	0.1	2.0	WSW	-
10	6	15.5	23.6	11.3	16.6	16.5	17.4	19.2	20.1	20.0	90.3	2.5	14.7	0.3	4.4	SSW	-
10	7	13.5	22.3	6.6	17.0	17.2	18.0	19.1	20.0	20.0	74.0	0.0	17.7	0.7	5.0	W	-
10	8	11.5	19.0	5.8	15.9	16.6	17.6	19.0	19.8	19.9	77.7	0.0	13.0	0.7	4.0	W	-
10	9	12.6	19.4	7.5	16.1	16.5	17.4	18.9	19.7	19.9	86.4	0.0	14.4	0.6	4.5	SW	-
10	10	14.4	23.1	8.9	16.6	16.8	17.5	18.7	19.6	19.8	81.0	0.0	17.4	0.7	4.9	W	-
10	11	13.9	21.6	9.8	16.4	16.8	17.6	18.7	19.5	19.7	79.2	0.0	12.0	0.6	4.1	W	-
10	12	13.6	21.1	8.9	16.5	16.7	17.5	18.6	19.4	19.7	81.9	0.0	15.8	0.6	4.2	SW	-
10	13	12.5	16.9	9.5	15.9	16.4	17.4	18.6	19.3	19.6	89.1	0.0	7.3	0.4	3.3	NW	-
10	14	14.1	20.4	9.1	15.9	16.2	17.1	18.4	19.2	19.6	87.0	0.0	11.3	0.9	10.7	W	-
10	15	16.8	20.9	13.6	16.7	16.7	17.4	18.4	19.0	19.4	95.5	9.5	6.9	0.7	9.3	ENE	-
10	16	18.3	25.3	13.2	18.2	17.7	18.1	18.4	18.9	19.3	89.1	3.5	14.9	0.7	5.0	SSW	-
10	17	14.8	21.0	10.6	17.8	18.3	18.6	18.6	18.8	19.3	86.3	0.0	12.9	0.6	6.3	S	-
10	18	13.0	16.3	10.5	17.0	17.4	18.3	18.7	18.8	19.2	86.8	0.0	6.5	0.4	4.3	ESE	-
10	19	10.5	13.3	6.6	15.9	16.5	17.7	18.6	18.8	19.2	94.0	0.0	4.5	0.3	3.4	ESE	-
10	20	10.4	12.6	6.8	14.9	15.6	16.9	18.4	18.8	19.1	92.7	0.0	3.5	0.1	2.7	SW	-
10	21	11.8	14.0	9.6	14.9	15.4	16.6	18.1	18.7	19.0	94.8	3.5	3.4	0.1	2.2	SE	-
10	22	14.8	20.4	11.7	15.6	15.6	16.5	17.9	18.5	18.9	98.3	17.0	6.6	0.3	7.0	SSW	-
10	23	16.9	21.8	14.4	17.0	16.7	17.2	17.8	18.5	18.9	93.3	0.0	9.1	0.3	4.6	W	-
10	24	14.6	17.3	13.5	16.5	16.7	17.4	17.9	18.3	18.8	98.7	0.0	3.7	0.3	4.1	ESE	-
10	25	15.6	22.3	11.6	17.2	17.0	17.5	18.0	18.3	18.8	84.9	0.0	11.4	0.4	4.0	SSE	-
10	26	10.4	18.2	3.1	16.5	16.8	17.6	18.0	18.2	18.7	67.8	0.0	14.1	0.8	7.2	SSE	-
10	27	8.0	16.6	1.9	14.7	15.5	16.6	17.9	18.2	18.7	71.4	0.0	16.3	0.6	4.9	SW	-
10	28	8.6	16.4	2.7	14.3	14.9	16.0	17.6	18.2	18.6	84.8	0.0	15.3	0.6	4.6	SW	-
10	29	11.2	20.2	5.2	14.5	14.8	15.7	17.3	18.1	18.6	75.9	0.0	15.4	0.6	4.1	WSW	-
10	30	10.0	13.9	6.6	13.9	14.5	15.6	17.1	18.0	18.5	91.7	0.5	5.0	0.2	4.1	SSW	-
10	31	13.3	21.1	8.5	15.1	15.0	15.7	16.9	17.9	18.5	83.8	0.5	12.7	0.6	6.6	W	-
計	Total											60.5					
平均	Mean	13.0	18.9	8.7	16.2	16.5	17.4	18.5	19.1	19.4	85.5	2.0	11.0	0.5	5.0		
最大	Max.	18.3	25.3	14.4	18.2	18.4	19.2	20.1	20.7	20.4	98.7	23.5	18.5	0.9	10.7		
最低	Min.	8.0	12.1	1.9	13.9	14.5	15.6	16.9	17.9	18.5	67.8	0.0	2.3	0.1	2.0		

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

2011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			平均地温						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	11.5	20.5	6.0	14.7	15.0	15.8	16.9	17.7	18.4	66.5	0.0	15.0	0.7	3.8	WSW	-
11	2	10.8	20.2	4.2	14.1	14.5	15.4	16.7	17.6	18.4	75.6	0.0	13.4	0.5	4.2	SW	-
11	3	12.5	19.1	9.6	14.0	14.4	15.4	16.6	17.5	18.3	80.3	0.0	5.2	0.3	2.6	NW	-
11	4	13.2	20.7	8.6	14.4	14.4	15.2	16.5	17.4	18.3	81.2	0.0	13.6	0.6	3.9	SW	-
11	5	13.1	17.9	8.5	14.1	14.4	15.3	16.4	17.3	18.2	88.4	1.8	7.1	0.3	3.1	W	-
11	6	13.6	17.3	11.4	14.6	14.7	15.4	16.3	17.2	18.1	96.7	4.5	4.6	0.2	3.6	W	-
11	7	14.0	21.7	10.9	15.1	15.0	15.6	16.3	17.1	18.0	82.4	0.3	10.3	0.6	5.3	WNW	-
11	8	10.1	15.5	4.3	14.6	14.9	15.8	16.4	17.0	18.0	80.9	0.0	8.5	0.5	4.5	E	-
11	9	7.1	14.5	2.4	12.6	13.5	14.8	16.3	17.0	18.0	80.1	0.0	8.4	0.4	3.6	SSW	-
11	10	8.4	14.2	4.4	12.8	13.2	14.3	16.0	16.9	17.9	84.1	0.0	9.8	0.4	4.1	SE	-
11	11	7.6	8.5	6.9	11.9	12.7	14.1	15.8	16.8	17.8	99.0	27.3	1.6	0.1	2.8	SSE	-
11	12	11.9	18.7	7.2	12.8	12.8	13.8	15.5	16.7	17.7	90.9	0.0	9.7	0.5	3.9	SSW	-
11	13	13.0	19.5	8.4	13.8	13.7	14.3	15.3	16.6	17.7	84.2	0.0	11.3	0.6	3.7	S	-
11	14	11.3	18.1	7.7	13.7	13.9	14.6	15.4	16.4	17.6	85.0	0.0	7.3	0.3	3.2	SSW	-
11	15	7.6	14.9	2.2	12.9	13.3	14.3	15.4	16.3	17.6	82.2	0.0	12.5	0.7	5.8	SE	-
11	16	5.3	13.7	0.1	11.6	12.4	13.6	15.2	16.3	17.5	72.4	0.0	13.1	0.7	4.8	E	-
11	17	8.7	18.4	3.1	11.2	11.8	13.0	14.9	16.2	17.5	51.9	0.0	12.9	0.8	7.6	NW	-
11	18	6.7	14.1	1.4	10.4	11.2	12.5	14.6	16.1	17.4	72.8	0.0	8.2	0.4	5.8	SW	-
11	19	10.8	15.6	9.6	10.7	11.2	12.3	14.3	15.9	17.3	92.8	50.5	1.6	0.8	9.1	NNE	-
11	20	13.3	21.6	4.9	12.6	12.2	12.7	13.9	15.7	17.2	85.4	0.3	12.0	0.6	6.7	WNW	-
11	21	5.0	13.6	-0.3	11.0	11.7	12.8	14.0	15.5	17.2	75.8	0.0	11.3	0.6	6.7	SSW	-
11	22	3.8	12.4	-1.1	9.7	10.5	11.9	13.9	15.4	17.2	72.2	0.0	12.4	0.7	4.5	SW	-
11	23	5.8	13.8	0.2	9.7	10.2	11.4	13.6	15.3	17.1	78.3	0.0	11.4	0.7	4.0	ESE	-
11	24	7.2	14.5	0.3	9.8	10.3	11.4	13.3	15.2	17.0	56.4	0.0	12.5	1.4	9.8	WNW	-
11	25	4.2	13.6	-0.6	8.9	9.6	10.9	13.1	15.0	17.0	61.6	0.0	12.3	0.8	5.5	W	-
11	26	3.2	12.0	-2.2	8.3	9.1	10.4	12.8	14.9	16.9	70.7	0.0	11.9	0.7	4.0	SW	-
11	27	5.8	14.0	-0.6	8.0	8.7	10.0	12.5	14.7	16.8	63.6	0.0	8.1	0.3	2.8	WNW	-
11	28	9.0	12.7	6.4	8.1	8.7	9.9	12.2	14.6	16.7	65.3	0.0	3.7	0.2	3.1	NW	-
11	29	11.0	18.2	7.5	9.2	9.3	10.2	12.1	14.4	16.7	63.6	0.0	7.1	0.3	2.8	NW	-
11	30	11.2	18.9	6.8	10.0	9.9	10.6	12.1	14.2	16.6	72.4	0.0	10.3	0.6	4.0	SSE	-
計	Total											84.5					
平均	Mean	9.2	16.3	4.6	11.8	12.2	13.3	14.8	16.2	17.5	77.1	2.8	9.6	0.5	4.6		
最大	Max.	14.0	21.7	11.4	15.1	15.0	15.8	16.9	17.7	18.4	99.0	50.5	15.0	1.4	9.8		
最低	Min.	3.2	8.5	-2.2	8.0	8.7	9.9	12.1	14.2	16.6	51.9	0.0	1.6	0.1	2.6		

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

降水量 (Precipitation) : 1 ~ 30

2011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			平均地温						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	4.1	9.3	1.0	9.2	9.8	10.9	12.1	14.0	16.5	99.5	0.8	0.7	4.7	ESE	-	
12	2	0.4	1.4	-0.7	7.1	8.3	9.9	12.1	13.9	16.4	100.0	1.3	0.1	3.2	ESE	-	
12	3	6.6	15.8	0.8	7.0	7.6	9.0	11.6	13.8	16.3	97.2	2.2	0.8	13.9	NW	-	
12	4	7.7	14.0	1.7	8.6	8.6	9.4	11.2	13.6	16.2	66.0	11.5	1.2	8.4	WNW	-	
12	5	4.7	14.1	-0.1	7.9	8.4	9.4	11.2	13.4	16.1	71.2	10.6	0.7	4.2	NNW	-	
12	6	1.9	7.5	-0.9	7.0	7.8	9.0	11.1	13.3	16.0	86.5	6.6	0.4	4.9	SE	-	
12	7	4.2	12.4	-1.0	7.2	7.6	8.7	10.9	13.2	16.0	85.1	10.6	0.7	5.0	W	-	
12	8	2.9	5.1	0.7	6.5	7.3	8.6	10.7	13.0	15.9	95.2	2.6	0.3	3.7	ESE	-	
12	9	-0.2	5.0	-4.8	5.6	6.7	8.2	10.5	12.9	15.8	94.4	3.8	0.3	5.3	NNW	11.0	
12	10	-0.7	6.8	-5.2	4.9	5.8	7.4	10.2	12.7	15.7	86.1	11.0	0.6	4.2	N	-	
12	11	2.0	10.7	-2.5	5.1	5.7	7.0	9.8	12.6	15.6	73.9	11.1	0.8	4.7	WNW	-	
12	12	3.5	12.8	-1.4	5.4	5.9	7.1	9.5	12.4	15.5	67.9	10.9	0.8	3.5	W	-	
12	13	2.9	10.9	-0.8	5.6	6.0	7.1	9.3	12.2	15.4	74.6	10.7	0.8	4.2	WSW	-	
12	14	1.9	10.5	-2.4	5.3	5.9	7.0	9.2	12.1	15.4	82.5	9.2	0.5	4.4	WSW	-	
12	15	4.8	15.1	-0.6	5.5	5.9	6.9	9.1	11.9	15.3	68.3	10.5	0.6	5.2	W	-	
12	16	2.1	10.3	-2.9	5.4	5.9	6.9	9.0	11.7	15.2	66.4	10.2	1.2	8.9	W	-	
12	17	-0.4	8.2	-4.5	4.5	5.3	6.6	8.8	11.6	15.1	58.6	11.0	0.9	6.8	WSW	-	
12	18	0.6	10.3	-4.5	4.1	4.8	6.1	8.6	11.5	15.0	62.8	10.6	0.7	5.2	SW	-	
12	19	0.2	7.7	-3.4	4.0	4.7	5.9	8.4	11.3	14.9	74.6	9.3	0.6	4.2	SSW	-	
12	20	0.3	8.7	-3.5	3.7	4.4	5.6	8.2	11.2	14.8	64.3	10.3	0.7	5.0	SSW	-	
12	21	-0.6	6.1	-4.0	3.4	4.1	5.4	7.9	11.0	14.7	75.4	8.9	0.5	4.3	SSE	-	
12	22	0.1	7.2	-3.4	3.1	3.9	5.2	7.7	10.9	14.6	74.5	6.6	0.5	3.7	NW	-	
12	23	-0.2	7.6	-5.4	3.0	3.7	4.9	7.5	10.7	14.5	58.2	10.6	0.9	7.4	WSW	-	
12	24	-1.2	6.9	-5.8	2.9	3.5	4.8	7.4	10.6	14.5	55.1	11.5	0.8	4.6	SW	-	
12	25	-1.1	5.0	-4.7	2.3	3.2	4.5	7.2	10.4	14.4	56.7	6.8	0.9	8.2	W	-	
12	26	-2.1	4.1	-6.1	2.0	2.8	4.2	7.0	10.3	14.3	53.7	9.9	1.4	12.7	W	-	
12	27	-2.2	6.9	-7.4	1.7	2.5	3.9	6.7	10.1	14.2	56.0	10.8	0.8	4.7	W	-	
12	28	-1.2	7.9	-6.3	1.9	2.5	3.7	6.5	9.9	14.1	56.8	10.6	0.8	4.9	WSW	-	
12	29	-0.4	8.7	-5.6	2.2	2.7	3.8	6.3	9.8	14.0	67.8	9.7	0.6	5.2	WSW	-	
12	30	-0.6	7.1	-5.1	2.3	2.8	3.8	6.2	9.6	13.9	57.9	11.0	0.9	7.7	W	-	
12	31	-0.8	8.4	-5.4	2.0	2.6	3.7	6.1	9.5	13.8	53.8	10.8	0.8	4.1	WSW	-	
計	Total																
平均	Mean	1.3	8.8	-3.0	4.7	5.4	6.6	9.0	11.8	15.2	72.3	8.8	0.7	5.7		11.0	
最大	Max.	7.7	15.8	1.7	9.2	9.8	10.9	12.1	14.0	16.5	100.0	11.5	1.4	13.9		11.0	
最低	Min.	-2.2	1.4	-7.4	1.7	2.5	3.7	6.1	9.5	13.8	53.7	0.8	0.1	3.2		11.0	

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