

2013年 1月

## 気象月報

生態水文学研究所白坂

## Monthly report of meteorological data at Shirasaka

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		
		Air Temperature			Soil Temperature										Hum. %	Prec. mm	MJ/m <sup>2</sup>
Date		平均 Mean	最高 Max.	最低 Min.	0.0	0.05	0.1	0.2	0.5	1.0	2.0m deep				平均 Mean	最大 Max.	風向 Dir.
1	1	-0.9	5.5	-5.4	1.1	4.4	5.3	6.1	7.3	9.2	12.2	82.0	0.0	9.5	0.3	4.3	SW
1	2	2.5	9.0	-2.7	1.7	4.1	4.9	5.6	6.9	9.2	12.0	83.0	0.0	4.2	0.3	4.6	SSW
1	3	-0.3	1.9	-2.6	1.6	4.1	4.9	5.5	6.7	9.1	11.9	80.1	0.0	5.2	1.0	6.1	SW
1	4	-1.5	3.5	-4.9	0.0	3.6	4.5	5.2	6.5	9.0	11.9	67.5	0.0	10.2	1.0	4.9	SSW
1	5	-2.9	4.1	-7.6	-1.5	2.7	3.8	4.7	6.2	8.8	11.8	77.6	0.0	8.2	0.2	2.6	SSW
1	6	-1.0	5.3	-5.4	-0.8	2.3	3.3	4.2	5.8	8.7	11.7	89.2	0.0	5.9	0.3	3.7	SSW
1	7	0.0	7.8	-4.5	0.3	2.7	3.4	4.1	5.6	8.5	11.6	85.7	0.0	9.9	0.3	4.4	SSW
1	8	1.5	9.4	-2.5	1.2	3.2	3.8	4.3	5.6	8.3	11.5	85.7	0.0	9.6	0.4	4.6	SW
1	9	1.4	7.3	-2.9	1.3	3.4	4.0	4.6	5.7	8.2	11.4	86.8	0.0	7.9	0.5	4.4	SSW
1	10	0.7	6.9	-3.2	1.7	3.7	4.2	4.7	5.7	8.2	11.3	79.6	0.0	10.7	0.5	5.2	SSW
1	11	-0.4	6.2	-4.5	0.1	3.5	4.2	4.7	5.8	8.1	11.2	71.9	0.0	10.6	0.7	5.1	SSW
1	12	-0.1	8.8	-5.1	-0.3	3.0	3.8	4.4	5.7	8.1	11.1	77.7	0.0	8.1	0.2	3.6	SW
1	13	2.9	10.0	-2.7	2.3	3.3	3.8	4.3	5.6	8.0	11.0	83.3	0.0	8.3	0.2	3.7	SSW
1	14	2.4	3.8	0.2	1.4	3.8	4.4	4.8	5.7	8.0	11.0	92.8	38.5	0.7	0.4	6.4	SSW
1	15	0.8	5.5	-2.3	1.3	3.1	3.7	4.3	5.4	7.8	10.9	75.3	0.0	9.0	0.6	6.7	SSW
1	16	-0.3	6.1	-4.8	0.7	3.1	3.7	4.3	5.4	7.7	10.8	81.2	0.0	10.2	0.3	3.7	SSW
1	17	0.9	6.7	-3.3	1.0	3.4	3.9	4.3	5.3	7.6	10.7	78.7	0.0	7.8	0.5	5.2	SSW
1	18	-0.8	4.0	-3.8	-0.6	2.9	3.7	4.3	5.4	7.6	10.6	67.7	0.0	10.8	1.3	5.6	SSW
1	19	-0.5	5.1	-6.0	-0.4	2.5	3.3	3.9	5.2	7.5	10.5	83.0	0.0	6.4	0.3	4.9	SW
1	20	2.0	7.2	-2.7	1.7	3.2	3.6	4.0	5.0	7.4	10.4	70.9	0.0	10.2	0.9	6.4	SSW
1	21	2.0	9.6	-4.6	2.2	3.3	3.8	4.2	5.2	7.4	10.3	79.3	9.5	7.5	0.2	4.0	SSE
1	22	5.0	9.0	-0.1	4.9	4.9	4.8	4.8	5.4	7.3	10.3	92.5	15.0	3.8	0.3	5.1	SSW
1	23	2.4	6.4	-1.7	3.2	4.5	4.8	5.1	5.7	7.3	10.2	90.0	1.0	4.7	0.0	2.8	SSE
1	24	2.6	9.3	-2.2	4.2	4.9	5.0	5.2	5.8	7.4	10.1	88.5	0.0	10.9	0.1	3.4	SW
1	25	0.6	4.1	-2.3	1.6	4.6	5.1	5.4	6.0	7.4	10.0	82.1	0.5	5.0	1.0	6.1	SSW
1	26	-2.3	1.2	-5.4	-0.5	3.0	3.9	4.7	5.8	7.5	10.0	81.9	0.0	3.3	1.1	7.0	SW
1	27	-2.6	3.6	-7.0	0.0	2.9	3.6	4.2	5.3	7.4	9.9	87.9	1.5	9.7	0.3	4.1	SSW
1	28	-0.6	5.0	-5.0	0.7	2.9	3.5	4.1	5.2	7.3	9.9	87.9	0.0	7.7	0.6	6.6	SSW
1	29	1.2	8.2	-4.7	1.2	3.1	3.6	4.0	5.1	7.2	9.8	77.3	0.0	12.2	0.7	4.7	SSW
1	30	3.8	10.3	-2.6	2.5	3.8	4.1	4.3	5.1	7.1	9.8	65.8	0.0	10.9	1.2	5.6	SSW
1	31	1.0	11.0	-4.3	1.4	3.9	4.3	4.6	5.3	7.1	9.7	69.8	0.0	12.6	0.2	3.1	WSW
計	Total												66.0				
平均	Mean	0.6	6.5	-3.8	1.1	3.5	4.1	4.6	5.7	7.9	10.8	80.7	2.1	8.1	0.5	4.8	
最大	Max.	5.0	11.0	0.2	4.9	4.9	5.3	6.1	7.3	9.2	12.2	92.8	38.5	12.6	1.3	7.0	
最低	Min.	-2.9	1.2	-7.6	-1.5	2.3	3.3	3.9	5.0	7.1	9.7	65.8	0.0	0.7	0.0	2.6	

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

2013年 2月

## 気象月報

生態水文学研究所白坂

## Monthly report of meteorological data at Shirasaka

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		
		Air Temperature			Soil Temperature										Hum. %	Prec. mm	MJ/m <sup>2</sup>
Date		平均 Mean	最高 Max.	最低 Min.	0.0	0.05	0.1	0.2	0.5	1.0	2.0m deep				平均 Mean	最大 Max.	風向 Dir.
2	1	3.5	10.4	-2.9	2.7	3.7	4.2	4.6	5.4	7.1	9.7	78.0	4.0	6.9	0.1	2.7	E
2	2	9.5	13.7	5.3	9.1	6.5	5.9	5.5	5.7	7.1	9.6	94.7	13.5	4.2	0.2	4.4	ESE
2	3	4.3	9.1	0.2	5.0	6.5	6.5	6.4	6.4	7.2	9.6	67.1	0.0	12.8	0.7	6.1	SSW
2	4	4.9	6.9	2.5	5.3	6.1	6.2	6.4	6.7	7.4	9.5	95.6	5.0	1.5	0.1	4.3	S
2	5	4.5	9.3	0.7	5.4	6.0	6.1	6.2	6.6	7.5	9.5	71.5	0.0	9.8	0.4	5.7	SW
2	6	3.8	6.7	-1.1	4.7	6.2	6.3	6.4	6.7	7.6	9.5	98.7	12.0	2.4	0.0	4.0	SW
2	7	3.0	8.3	-1.7	3.8	5.2	5.6	6.0	6.6	7.6	9.5	85.5	0.5	6.0	0.2	4.6	SW
2	8	-1.1	1.9	-3.6	0.8	4.7	5.3	5.7	6.4	7.7	9.5	66.5	0.0	11.7	1.3	6.5	SSW
2	9	-0.8	5.2	-4.6	0.4	3.7	4.5	5.0	6.1	7.6	9.5	64.2	0.0	12.0	0.9	5.0	SSW
2	10	0.4	6.9	-5.8	1.8	3.8	4.3	4.8	5.8	7.5	9.4	77.1	0.0	11.8	0.6	6.4	SSW
2	11	1.2	5.8	-2.7	1.7	4.2	4.6	4.9	5.7	7.4	9.4	74.3	0.0	6.8	0.9	5.6	SSW
2	12	1.0	6.7	-3.2	2.0	3.7	4.2	4.7	5.6	7.3	9.4	68.1	8.0	9.7	0.5	3.9	SSW
2	13	1.4	6.7	-2.8	2.6	4.4	4.6	4.9	5.6	7.3	9.4	87.7	9.0	9.9	0.6	5.4	SSW
2	14	2.7	10.9	-2.1	3.7	4.7	4.8	5.0	5.6	7.2	9.3	77.2	0.0	12.7	0.2	3.3	SW
2	15	1.8	3.6	-1.2	2.7	4.8	5.2	5.4	5.9	7.2	9.3	96.8	6.0	2.9	0.2	3.1	SSW
2	16	-0.7	4.2	-4.5	0.7	3.9	4.5	4.9	5.8	7.2	9.2	67.4	0.0	12.6	1.0	6.4	SSW
2	17	-1.2	4.5	-6.1	0.2	3.1	3.9	4.4	5.5	7.1	9.2	63.2	0.0	11.1	0.5	3.5	SSW
2	18	2.3	4.9	-1.0	2.8	3.6	4.0	4.3	5.2	7.0	9.1	95.7	21.0	2.0	0.2	3.7	SSE
2	19	1.9	4.4	-2.0	1.9	4.1	4.4	4.6	5.3	6.9	9.1	62.4	0.0	3.3	0.8	6.4	SSW
2	20	-0.3	5.4	-6.2	1.7	3.4	3.9	4.3	5.2	6.9	9.1	73.2	0.0	13.6	0.8	5.3	SSW
2	21	-0.6	4.6	-4.2	1.8	3.6	4.0	4.4	5.2	6.8	9.0	79.9	0.0	13.0	0.6	4.6	SW
2	22	0.5	5.7	-4.3	2.4	3.7	4.1	4.4	5.2	6.8	8.9	79.7	0.0	12.0	0.6	4.9	SW
2	23	0.5	6.1	-3.5	3.0	4.4	4.6	4.7	5.2	6.7	8.9	79.3	1.0	11.7	0.6	5.8	SSW
2	24	-0.3	4.0	-3.7	2.3	4.3	4.6	4.8	5.4	6.7	8.8	73.4	0.5	15.4	1.4	8.4	SSW
2	25	-1.1	4.3	-4.8	0.8	3.7	4.3	4.6	5.4	6.7	8.8	57.6	0.0	15.7	1.3	6.5	SSW
2	26	0.8	9.8	-7.2	3.1	3.9	4.2	4.4	5.2	6.7	8.8	62.6	0.0	16.8	0.4	5.0	SW
2	27	4.5	12.2	0.1	6.2	5.8	5.4	5.3	5.5	6.7	8.7	89.3	5.5	10.2	0.2	4.3	SW
2	28	5.4	14.3	-0.7	6.6	6.5	6.3	6.0	6.0	6.8	8.7	69.2	0.0	16.2	0.4	4.3	SW
計	Total												86.0				
平均	Mean	1.9	7.0	-2.5	3.0	4.6	4.9	5.1	5.7	7.1	9.2	77.0	3.1	9.8	0.6	5.0	
最大	Max.	9.5	14.3	5.3	9.1	6.5	6.5	6.4	6.7	7.7	9.7	98.7	21.0	16.8	1.4	8.4	
最低	Min.	-1.2	1.9	-7.2	0.2	3.1	3.9	4.3	5.2	6.7	8.7	57.6	0.0	1.5	0.0	2.7	

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

2013年 3月

## 気象月報

生態水文学研究所白坂

## Monthly report of meteorological data at Shirasaka

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		
		Air Temperature			Soil Temperature										Hum. %	Prec. mm	MJ/m <sup>2</sup>
Date		平均 Mean	最高 Max.	最低 Min.	0.0	0.05	0.1	0.2	0.5	1.0	2.0m deep				平均 Mean	最大 Max.	風向 Dir.
03	1	7.5	11.9	2.3	6.4	6.4	6.4	6.4	6.4	6.9	8.7	91.4	25.0	31.9	0.8	7.0	E
03	2	2.5	6.0	-1.6	4.5	6.6	6.6	6.6	6.6	7.0	8.6	70.0	0.0	166.7	1.5	8.5	SSW
03	3	1.3	8.3	-3.2	3.6	5.5	5.8	6.1	6.5	7.2	8.6	65.1	0.0	200.4	1.0	5.9	SSW
03	4	2.2	9.7	-4.7	4.3	5.6	5.8	5.9	6.4	7.2	8.7	62.4	0.0	208.6	0.7	4.5	SW
03	5	3.3	10.8	-2.4	6.0	6.3	6.3	6.2	6.4	7.2	8.6	72.4	0.0	192.8	0.7	5.5	SW
03	6	5.1	14.7	-2.4	7.2	6.6	6.5	6.5	6.6	7.2	8.6	70.9	0.0	202.5	0.6	5.3	SSW
03	7	7.6	17.3	-0.5	9.7	7.6	7.3	7.0	6.9	7.3	8.6	75.0	0.0	188.5	0.3	5.2	WSW
03	8	10.2	17.8	5.3	11.4	9.0	8.4	7.9	7.4	7.4	8.6	80.8	0.0	117.4	0.2	3.8	SW
03	9	11.2	20.5	3.9	13.3	9.9	9.2	8.6	8.0	7.6	8.6	63.2	0.0	201.1	0.4	5.1	SSW
03	10	6.9	14.3	-0.3	6.1	9.0	9.1	9.0	8.5	7.8	8.7	70.6	0.5	35.6	0.8	5.3	SSW
03	11	2.8	11.1	-2.7	5.7	7.1	7.4	7.7	8.1	8.1	8.7	47.5	0.0	233.4	1.3	7.2	SSW
03	12	5.7	17.6	-3.3	8.4	7.6	7.5	7.5	7.8	8.1	8.8	58.8	0.0	228.9	0.2	3.3	SW
03	13	10.3	17.3	3.1	10.3	8.4	8.2	8.1	8.0	8.1	8.8	86.4	18.5	79.6	0.8	7.9	ENE
03	14	5.2	11.1	-0.8	9.4	9.7	9.2	8.8	8.4	8.2	8.9	65.3	0.0	216.5	1.0	7.6	SW
03	15	4.8	14.3	-2.1	8.3	9.0	8.9	8.8	8.6	8.3	8.9	77.0	0.0	172.9	0.2	5.2	SW
03	16	6.8	15.8	-1.2	9.4	9.0	8.8	8.7	8.6	8.4	8.9	68.5	0.0	216.8	0.7	5.5	SSW
03	17	8.3	17.1	-1.3	11.7	9.6	9.2	8.9	8.7	8.5	9.0	69.2	1.0	219.0	0.4	4.5	SW
03	18	13.6	16.7	8.9	12.6	10.8	10.2	9.8	9.2	8.6	9.0	93.0	57.0	12.2	1.4	9.2	ENE
03	19	13.3	19.7	5.7	15.1	13.0	11.9	11.1	10.1	8.9	9.1	77.2	0.0	199.1	0.5	5.2	SSW
03	20	11.0	17.9	6.0	11.9	11.9	11.6	11.3	10.6	9.2	9.1	85.7	3.5	65.6	0.2	6.0	E
03	21	4.5	10.4	-2.2	8.8	10.8	10.8	10.7	10.5	9.5	9.2	62.0	0.5	246.3	1.3	6.5	SSW
03	22	7.1	16.2	-2.1	12.0	10.4	10.2	10.2	10.1	9.6	9.3	70.0	0.0	223.3	0.2	4.1	WSW
03	23	7.3	14.4	-0.1	10.9	11.3	11.0	10.7	10.3	9.6	9.3	70.7	0.0	189.7	0.7	5.7	SW
03	24	8.4	17.7	-0.7	12.4	10.7	10.5	10.4	10.2	9.7	9.4	75.8	0.0	179.9	0.2	4.0	WSW
03	25	8.0	13.2	1.4	11.3	11.5	11.2	10.8	10.4	9.7	9.5	65.9	0.0	152.7	0.9	6.7	SW
03	26	4.0	11.2	-2.2	9.1	9.9	10.1	10.2	10.3	9.8	9.6	55.7	0.0	212.6	0.7	6.5	SSW
03	27	7.6	14.3	-0.7	10.5	9.7	9.8	9.9	10.0	9.8	9.6	78.8	0.5	115.4	0.1	2.6	E
03	28	12.3	19.7	7.5	14.7	11.7	11.0	10.4	10.1	9.8	9.7	88.3	0.5	112.7	0.1	3.5	WSW
03	29	12.0	17.6	7.6	13.7	12.3	11.8	11.3	10.6	9.8	9.7	78.1	0.0	129.0	0.4	4.3	SW
03	30	10.3	17.3	4.2	16.1	12.7	12.0	11.5	10.9	10.0	9.8	57.5	0.0	237.6	0.5	4.6	SW
03	31	8.9	11.6	5.5	10.1	12.1	12.0	11.8	11.3	10.1	9.8	86.3	3.5	42.0	0.1	4.6	SSW
計	Total												110.5				
平均	Mean	7.4	14.6	0.9	9.8	9.4	9.2	9.0	8.8	8.5	9.0	72.2	3.6	162.3	0.6	5.5	
最大	Max.	13.6	20.5	8.9	16.1	13.0	12.0	11.8	11.3	10.1	9.8	93.0	57.0	246.3	1.5	9.2	
最低	Min.	1.3	6.0	-4.7	3.6	5.5	5.8	5.9	6.4	6.9	8.6	47.5	0.0	12.2	0.1	2.6	

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

2013年 4月

## 気象月報

生態水文学研究所白坂

## Monthly report of meteorological data at Shirasaka

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		
		Air Temperature			Soil Temperature										Hum. %	Prec. mm	MJ/m <sup>2</sup>
Date		平均 Mean	最高 Max.	最低 Min.	0.0	0.05	0.1	0.2	0.5	1.0	2.0m deep				平均 Mean	最大 Max.	風向 Dir.
04	1	9.2	17.1	1.5	12.2	11.1	11.0	10.9	10.9	10.3	9.9	69.8	0.0	18.1	0.4	6.7	SW
04	2	11.7	17.0	7.6	12.9	12.1	11.7	11.4	11.0	10.3	9.9	89.0	7.0	6.5	0.0	1.9	E
04	3	10.3	15.4	7.1	11.7	11.9	11.7	11.5	11.2	10.4	10.0	86.5	27.0	9.0	0.9	8.4	SSW
04	4	12.2	22.3	3.7	15.1	12.4	11.8	11.4	11.1	10.5	10.0	72.6	0.0	20.6	0.4	3.9	SW
04	5	14.1	22.4	7.1	18.0	14.2	13.3	12.5	11.6	10.6	10.1	78.7	0.0	20.4	0.5	4.8	WSW
04	6	13.6	16.5	10.0	13.7	13.9	13.5	13.2	12.3	10.8	10.2	89.4	13.0	4.2	1.0	8.4	ENE
04	7	10.2	16.2	3.9	12.5	13.5	13.2	12.9	12.4	11.0	10.2	84.4	7.5	7.5	1.2	8.8	SSW
04	8	8.0	15.4	3.0	12.9	12.2	12.1	12.0	12.0	11.2	10.3	60.9	0.0	22.9	1.2	7.2	SSW
04	9	10.0	19.0	2.0	13.9	12.7	12.4	12.1	11.9	11.2	10.4	68.1	0.0	16.7	0.3	5.6	WSW
04	10	7.2	13.6	2.1	13.9	13.1	12.7	12.4	12.0	11.2	10.5	70.0	0.0	19.1	0.6	6.1	SW
04	11	5.0	10.9	-1.1	10.7	11.9	12.1	12.1	12.0	11.3	10.6	74.5	0.0	15.0	0.5	4.5	WSW
04	12	4.7	11.7	-1.8	9.7	10.7	11.0	11.3	11.6	11.3	10.6	73.1	0.0	16.8	0.6	5.9	SSW
04	13	6.4	15.6	-1.8	13.7	11.3	11.0	11.0	11.2	11.2	10.7	69.4	0.0	23.7	0.5	4.9	SW
04	14	11.0	17.4	3.0	15.0	12.3	12.0	11.7	11.4	11.1	10.7	77.5	0.0	16.3	0.7	6.3	ENE
04	15	13.6	20.1	7.5	19.7	14.4	13.3	12.6	11.8	11.1	10.7	60.6	0.0	21.9	0.6	5.0	SSW
04	16	14.2	24.3	5.3	19.9	15.0	14.1	13.4	12.4	11.2	10.8	61.9	0.0	20.5	0.3	4.5	SW
04	17	15.0	20.1	9.1	16.8	15.3	14.7	14.1	13.0	11.4	10.8	81.6	0.0	9.7	0.4	4.6	ENE
04	18	15.7	24.8	7.5	21.7	15.6	14.7	14.0	13.1	11.7	10.8	73.4	0.0	21.6	0.4	3.9	W
04	19	11.2	15.7	2.0	19.8	16.8	15.9	15.0	13.7	11.9	10.9	45.9	0.0	24.4	1.4	6.9	SSW
04	20	8.3	13.3	1.9	13.3	14.3	14.4	14.4	13.9	12.1	11.0	64.5	6.0	9.8	0.2	3.9	WSW
04	21	8.2	14.4	3.1	12.6	13.6	13.4	13.4	13.3	12.3	11.1	76.1	22.0	16.8	1.1	7.1	SSW
04	22	6.9	15.1	-1.0	12.6	12.8	12.8	12.8	12.9	12.3	11.2	57.0	0.0	25.8	0.9	5.5	SSW
04	23	9.2	17.1	0.1	14.2	13.0	12.9	12.8	12.7	12.2	11.2	69.6	0.0	18.2	0.4	4.0	SSW
04	24	11.9	14.3	9.4	12.5	13.0	13.0	13.0	12.8	12.2	11.3	97.3	65.0	1.4	0.7	7.9	ENE
04	25	13.6	22.6	5.8	17.4	14.4	13.6	13.1	12.7	12.3	11.4	70.0	0.0	23.5	0.3	3.4	SW
04	26	11.2	18.4	4.9	14.9	14.9	14.5	14.1	13.3	12.3	11.4	75.7	1.5	15.0	0.7	5.2	SSW
04	27	8.2	15.4	2.5	12.9	13.6	13.6	13.5	13.3	12.4	11.5	76.6	0.5	19.1	0.6	5.5	SSW
04	28	10.3	20.4	1.5	16.7	13.9	13.5	13.2	13.1	12.4	11.5	64.3	0.0	26.1	0.7	6.4	SSW
04	29	13.9	23.5	3.3	19.7	15.2	14.5	13.9	13.3	12.4	11.6	63.5	0.0	22.4	0.5	4.6	ESE
04	30	12.8	14.7	8.5	14.3	15.3	15.0	14.7	13.9	12.5	11.6	94.7	8.5	2.8	0.1	2.7	E
計	Total												158.0				
平均	Mean	10.6	17.5	3.9	14.8	13.5	13.1	12.8	12.4	11.5	10.8	73.2	5.3	16.5	0.6	5.5	
最大	Max.	15.7	24.8	10.0	21.7	16.8	15.9	15.0	13.9	12.5	11.6	97.3	65.0	26.1	1.4	8.8	
最低	Min.	4.7	10.9	-1.8	9.7	10.7	11.0	10.9	10.9	10.3	9.9	45.9	0.0	1.4	0.0	1.9	

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

2013年 5月

## 気象月報

生態水文学研究所白坂

## Monthly report of meteorological data at Shirasaka

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		
		Air Temperature			Soil Temperature										Hum. %	Prec. mm	MJ/m <sup>2</sup>
Date		平均 Mean	最高 Max.	最低 Min.	0.0	0.05	0.1	0.2	0.5	1.0	2.0m deep				平均 Mean	最大 Max.	風向 Dir.
05	1	9.9	15.9	3.8	15.9	14.8	14.4	14.1	13.7	12.6	11.7	71.3	0.0	25.3	1.0	6.4	SSW
05	2	9.3	16.1	3.4	16.6	14.7	14.3	14.1	13.7	12.7	11.7	61.7	0.0	26.9	1.0	8.5	SSW
05	3	9.2	18.2	0.5	17.9	15.0	14.5	14.2	13.7	12.8	11.8	61.8	0.0	26.9	0.6	5.0	SW
05	4	11.3	20.0	2.1	18.4	15.4	14.9	14.5	13.9	12.8	11.8	60.6	0.0	23.1	0.5	4.5	SSW
05	5	12.6	22.0	4.3	20.8	16.3	15.5	14.9	14.1	12.9	11.9	66.5	0.0	25.8	0.4	4.9	SW
05	6	15.0	23.6	5.5	22.0	17.2	16.3	15.6	14.5	13.0	11.9	60.4	0.0	25.3	0.7	5.4	SSW
05	7	13.0	19.3	7.5	20.6	17.4	16.7	16.0	15.0	13.2	12.0	43.0	0.0	28.1	1.7	8.8	SSW
05	8	11.8	22.4	1.6	20.4	16.9	16.3	15.8	15.0	13.3	12.0	51.0	0.0	27.4	0.7	4.5	SSW
05	9	15.6	27.3	5.4	23.1	17.7	16.8	16.1	15.2	13.5	12.1	50.7	0.0	26.0	0.3	3.4	WSW
05	10	14.9	22.6	8.6	17.5	17.2	16.9	16.5	15.5	13.6	12.2	77.1	9.5	10.2	0.3	4.3	ESE
05	11	15.7	18.1	13.7	17.0	16.6	16.2	16.0	15.4	13.7	12.2	99.0	32.0	2.6	0.1	2.7	ESE
05	12	17.2	26.7	10.6	22.3	18.1	16.9	16.2	15.5	13.9	12.3	75.5	0.0	26.7	0.4	5.0	S
05	13	17.2	26.3	9.9	24.0	19.3	18.2	17.3	16.1	14.1	12.4	78.7	0.0	25.5	0.4	3.4	WSW
05	14	18.8	29.5	9.9	25.8	20.2	19.1	18.1	16.7	14.3	12.5	76.2	0.0	24.9	0.3	5.6	SW
05	15	18.7	25.7	14.0	27.4	21.4	20.1	19.0	17.3	14.5	12.6	76.2	0.0	23.8	0.5	5.7	SSW
05	16	16.7	23.8	11.0	25.6	21.3	20.4	19.4	17.8	14.9	12.7	70.4	0.0	25.1	0.8	5.7	S
05	17	16.7	25.8	7.9	25.8	20.9	20.0	19.2	17.9	15.2	12.8	64.2	0.0	27.0	0.5	4.1	SSE
05	18	16.8	24.1	11.5	25.2	21.2	20.3	19.5	18.1	15.4	13.0	72.1	0.0	21.1	0.4	4.3	SW
05	19	14.6	21.8	9.7	20.3	20.0	19.7	19.3	18.2	15.6	13.1	85.2	15.5	13.8	0.5	5.0	E
05	20	18.5	26.6	13.1	23.5	20.4	19.3	18.8	17.9	15.7	13.2	87.1	1.0	21.3	0.2	2.8	SSW
05	21	18.7	27.6	11.6	24.8	21.4	20.4	19.5	18.3	15.8	13.3	72.9	0.0	24.1	0.4	4.9	SSW
05	22	19.4	29.2	10.4	26.5	21.6	20.7	19.9	18.6	16.0	13.5	67.6	0.0	25.4	0.3	3.4	WSW
05	23	19.5	28.8	11.5	27.6	22.3	21.3	20.4	18.9	16.2	13.6	61.5	0.0	27.1	0.6	5.0	S
05	24	17.6	26.8	8.6	26.8	22.2	21.4	20.5	19.2	16.4	13.7	71.9	0.0	26.3	0.4	4.1	WSW
05	25	17.9	25.8	12.0	27.0	22.4	21.6	20.7	19.3	16.5	13.8	74.5	0.0	25.3	0.5	4.9	W
05	26	18.3	26.5	11.4	27.0	22.4	21.6	20.8	19.5	16.7	13.9	75.2	0.0	23.4	0.4	5.3	SSW
05	27	18.7	23.7	13.9	25.5	22.4	21.6	20.9	19.6	16.9	14.1	78.5	0.0	16.4	0.5	5.9	ENE
05	28	18.2	21.6	15.7	21.7	21.4	21.1	20.6	19.6	17.0	14.2	78.2	0.5	10.3	0.7	6.7	ENE
05	29	17.4	19.4	15.4	19.4	20.0	19.9	19.8	19.3	17.1	14.3	93.1	6.5	6.2	0.8	5.6	ENE
05	30	19.8	23.9	16.4	21.4	20.2	19.7	19.5	18.9	17.1	14.4	96.7	19.5	5.8	0.2	4.6	ENE
05	31	19.7	25.4	16.1	24.4	21.4	20.4	19.8	19.0	17.1	14.5	85.5	0.0	20.7	0.3	4.9	SSW
計	Total												84.5				
平均	Mean	16.1	23.7	9.6	22.6	19.3	18.6	18.0	16.9	14.8	12.9	72.4	2.7	21.5	0.5	5.0	
最大	Max.	19.8	29.5	16.4	27.6	22.4	21.6	20.9	19.6	17.1	14.5	99.0	32.0	28.1	1.7	8.8	
最低	Min.	9.2	15.9	0.5	15.9	14.7	14.3	14.1	13.7	12.6	11.7	43.0	0.0	2.6	0.1	2.7	

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

2013年 6月

## 気象月報

生態水文学研究所白坂

## Monthly report of meteorological data at Shirasaka

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		
		Air Temperature			Soil Temperature										Wind Velocity		
Date		平均 Mean	最高 Max.	最低 Min.	0.0	0.05	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.
06	1	18.3	22.4	14.3	21.6	21.1	20.7	20.3	19.3	17.1	14.6	85.7	0.0	10.9	0.1	2.0	W
06	2	19.1	25.2	14.6	24.7	21.3	20.5	20.0	19.3	17.3	14.7	78.7	0.0	18.1	0.3	3.9	SW
06	3	19.3	25.7	14.8	26.8	22.1	21.3	20.5	19.5	17.3	14.8	80.6	0.0	20.6	0.3	4.0	SW
06	4	19.4	27.6	12.8	27.7	22.6	21.8	21.0	19.8	17.4	14.9	76.7	0.0	25.3	0.4	4.9	WSW
06	5	18.6	26.6	10.5	27.2	22.6	21.9	21.2	20.1	17.6	15.0	76.5	0.0	24.6	0.4	4.9	WSW
06	6	18.5	23.5	13.2	23.4	22.0	21.7	21.2	20.2	17.7	15.1	83.3	0.0	12.8	0.1	2.7	WSW
06	7	18.5	27.6	14.3	24.6	21.5	21.2	20.9	20.2	17.9	15.1	83.9	29.0	18.0	0.3	5.8	SSW
06	8	19.4	27.1	14.1	24.6	21.6	21.0	20.7	20.2	18.2	15.3	80.3	0.0	25.7	0.2	3.7	WSW
06	9	19.1	25.7	13.3	23.0	21.9	21.5	21.1	20.3	18.3	15.5	79.9	0.0	16.3	0.1	3.1	NNW
06	10	19.2	23.4	16.1	22.6	21.5	21.2	20.9	20.2	18.3	15.5	83.5	0.0	10.4	0.3	3.1	WSW
06	11	19.6	23.7	15.4	22.3	21.2	20.9	20.6	20.1	18.3	15.6	87.8	0.5	9.8	0.0	1.7	SW
06	12	22.6	29.6	17.8	25.7	22.3	21.5	20.8	20.0	18.3	15.7	85.8	0.0	15.7	0.1	2.9	SW
06	13	24.4	33.5	19.5	28.8	23.6	22.5	21.7	20.4	18.3	15.8	81.8	0.0	18.4	0.2	3.9	SW
06	14	24.1	30.3	20.2	27.9	24.1	23.3	22.4	21.0	18.4	15.8	83.5	0.0	12.6	0.2	3.1	S
06	15	22.6	27.0	20.4	25.0	23.8	23.2	22.6	21.3	18.6	15.9	92.3	28.0	8.1	0.0	1.9	WNW
06	16	23.7	29.5	19.5	28.2	24.2	23.2	22.5	21.4	18.8	16.0	83.5	1.0	25.1	0.3	5.0	SW
06	17	23.6	30.6	17.4	29.4	25.0	24.0	23.2	21.9	19.0	16.1	79.3	0.0	23.6	0.3	3.4	W
06	18	24.2	30.1	18.7	29.1	25.0	24.3	23.5	22.2	19.3	16.2	76.6	0.0	18.5	0.3	3.4	E
06	19	21.6	24.3	18.9	23.1	23.9	23.7	23.4	22.3	19.5	16.3	95.1	48.0	2.1	0.3	4.6	NE
06	20	18.8	20.3	17.7	20.8	21.9	22.1	22.2	22.1	19.9	16.5	98.4	35.0	3.1	0.0	2.2	NE
06	21	18.5	20.3	16.5	20.6	21.3	21.3	21.4	21.4	20.1	16.8	97.9	12.5	4.4	0.0	1.6	N
06	22	19.4	25.1	14.0	23.1	21.6	21.2	21.1	21.0	19.9	16.9	86.4	0.0	18.3	0.3	4.0	SW
06	23	20.8	26.9	15.0	25.0	22.6	22.0	21.7	21.1	19.8	17.1	82.3	0.0	19.7	0.2	3.7	SSW
06	24	20.8	26.0	17.2	25.2	23.2	22.6	22.1	21.4	19.7	17.2	87.2	1.0	16.1	0.2	3.1	SW
06	25	20.8	26.6	16.0	25.2	23.1	22.7	22.3	21.5	19.8	17.2	84.3	0.0	15.9	0.3	3.7	WSW
06	26	18.4	19.8	17.4	20.7	22.0	22.0	22.0	21.6	19.8	17.3	97.8	32.5	3.4	0.1	3.2	SSE
06	27	20.3	26.1	17.0	23.8	22.1	21.7	21.5	21.2	19.9	17.3	89.6	0.0	15.3	0.4	5.6	E
06	28	19.7	24.0	17.5	22.4	22.2	21.9	21.7	21.3	19.9	17.4	89.8	0.0	8.2	0.1	2.2	N
06	29	21.1	26.9	16.7	25.6	22.7	22.1	21.8	21.2	19.9	17.4	82.8	0.0	18.8	0.3	4.3	SW
06	30	20.6	25.4	16.7	24.0	22.7	22.4	22.1	21.5	19.9	17.5	84.3	0.0	11.6	0.3	3.4	E
計	Total												187.5				
平均	Mean	20.5	26.0	16.3	24.7	22.6	22.0	21.6	20.8	18.8	16.1	85.2	6.3	15.0	0.2	3.5	
最大	Max.	24.4	33.5	20.4	29.4	25.0	24.3	23.5	22.3	20.1	17.5	98.4	48.0	25.7	0.4	5.8	
最低	Min.	18.3	19.8	10.5	20.6	21.1	20.5	20.0	19.3	17.1	14.6	76.5	0.0	2.1	0.0	1.6	

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

2013年 7月

## 気象月報

生態水文学研究所白坂

## Monthly report of meteorological data at Shirasaka

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		
		Air Temperature			Soil Temperature										Wind Velocity		
Date		平均 Mean	最高 Max.	最低 Min.	0.0	0.05	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.
07	1	21.2	27.6	15.9	27.8	23.2	22.6	22.1	21.5	19.9	17.5	78.0	0.0	22.6	0.4	4.0	WSW
07	2	20.4	27.1	15.1	25.4	23.2	22.9	22.5	21.7	19.9	17.6	80.5	0.0	14.0	0.3	3.6	ENE
07	3	19.6	21.6	17.3	21.4	22.2	22.2	22.2	21.7	20.0	17.6	94.1	8.0	3.1	0.5	5.6	ENE
07	4	22.0	25.0	20.5	23.2	22.2	21.9	21.7	21.4	20.0	17.7	95.8	10.5	5.0	0.3	3.7	ENE
07	5	25.2	31.3	21.8	27.7	23.8	22.8	22.3	21.5	20.0	17.7	88.7	8.5	17.1	0.7	5.1	ENE
07	6	25.9	30.3	23.1	28.4	25.2	24.2	23.4	22.2	20.1	17.7	85.1	0.0	17.0	0.6	5.8	E
07	7	26.0	32.8	21.2	29.3	25.5	24.7	23.9	22.7	20.3	17.8	82.9	0.0	17.9	0.1	5.2	N
07	8	26.6	34.5	20.4	32.3	26.3	25.3	24.4	23.1	20.5	17.8	77.2	0.0	24.0	0.2	4.3	SSW
07	9	27.0	35.3	20.4	33.9	26.9	25.9	25.0	23.5	20.7	17.9	73.5	0.0	25.6	0.3	3.4	S
07	10	26.9	34.8	20.8	34.1	27.4	26.4	25.5	24.0	21.0	18.0	75.4	0.0	24.2	0.3	4.2	S
07	11	27.0	34.9	21.0	34.5	27.7	26.8	25.9	24.4	21.2	18.1	74.4	0.0	24.1	0.3	3.7	S
07	12	26.7	34.4	20.2	34.2	27.8	27.0	26.1	24.7	21.5	18.2	73.9	0.0	24.2	0.3	4.0	S
07	13	25.3	31.9	21.8	29.4	27.3	26.8	26.2	24.9	21.7	18.3	85.4	1.5	11.6	0.1	3.9	S
07	14	24.8	32.4	20.9	29.4	26.7	26.2	25.7	24.7	21.9	18.4	84.8	0.0	16.6	0.2	4.3	SSW
07	15	24.3	30.6	19.9	27.6	26.4	25.9	25.5	24.6	22.0	18.6	83.4	11.5	18.0	0.3	4.3	SSE
07	16	23.7	30.2	18.0	27.1	25.7	25.4	25.1	24.4	22.1	18.7	78.9	0.0	16.7	0.3	3.5	SW
07	17	24.9	29.5	21.1	28.5	25.9	25.5	25.1	24.3	22.1	18.8	79.1	0.0	14.1	0.4	5.2	NE
07	18	25.1	30.6	19.7	28.8	26.4	25.8	25.3	24.4	22.2	18.9	77.5	5.0	19.5	0.5	7.4	SSE
07	19	23.5	30.5	17.8	27.6	25.7	25.5	25.2	24.4	22.2	19.0	75.5	0.0	20.0	0.2	3.7	SW
07	20	23.8	30.4	18.2	28.9	25.7	25.3	24.9	24.3	22.2	19.1	79.4	0.0	18.0	0.2	3.1	WSW
07	21	25.5	32.2	21.3	31.9	26.5	25.9	25.3	24.3	22.3	19.2	77.8	0.0	20.5	0.2	2.9	SW
07	22	26.2	32.4	21.2	31.6	27.1	26.4	25.7	24.7	22.3	19.3	76.7	0.0	18.1	0.2	3.1	SSW
07	23	26.6	34.0	20.6	32.2	27.2	26.6	25.9	24.8	22.4	19.3	73.1	0.0	20.6	0.4	5.2	SSE
07	24	22.6	24.7	20.5	24.9	26.1	26.0	25.8	25.0	22.5	19.4	94.9	20.0	4.0	0.0	1.8	NW
07	25	24.0	32.0	20.5	26.4	25.3	25.2	25.2	24.8	22.8	19.5	91.9	37.0	13.1	0.1	4.9	ESE
07	26	23.5	31.6	19.5	25.5	24.8	24.9	25.1	25.0	23.3	20.0	91.3	70.5	13.6	0.1	6.9	ENE
07	27	24.3	31.2	19.9	27.8	25.0	24.6	24.6	24.7	23.8	20.4	85.7	0.0	21.6	0.1	3.4	SW
07	28	24.6	32.5	18.6	29.2	26.2	25.7	25.4	24.9	23.5	20.4	81.4	0.0	20.4	0.2	2.9	SW
07	29	22.1	22.9	21.2	23.9	25.4	25.4	25.5	25.1	23.4	20.4	97.3	56.0	2.0	0.0	2.6	NE
07	30	25.6	32.4	20.6	28.6	25.7	25.2	25.0	24.7	23.5	20.6	85.6	0.0	19.3	0.2	3.5	S
07	31	25.0	31.8	18.7	28.7	26.4	25.9	25.6	25.0	23.4	20.6	81.7	0.0	20.6	0.3	3.8	S
計	Total												228.5				
平均	Mean	24.5	30.8	19.9	28.7	25.7	25.2	24.7	23.9	21.8	18.8	82.6	7.4	17.0	0.3	4.1	
最大	Max.	27.0	35.3	23.1	34.5	27.8	27.0	26.2	25.1	23.8	20.6	97.3	70.5	25.6	0.7	7.4	
最低	Min.	19.6	21.6	15.1	21.4	22.2	21.9	21.7	21.4	19.9	17.5	73.1	0.0	2.0	0.0	1.8	

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

2013年 8月

## 気象月報

生態水文学研究所白坂

## Monthly report of meteorological data at Shirasaka

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		
		Air Temperature			Soil Temperature										Wind Velocity		
Date		平均 Mean	最高 Max.	最低 Min.	0.0	0.05	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.
08	1	24.7	31.0	20.5	27.5	26.5	26.1	25.8	25.2	23.5	20.7	89.2	25.0	13.5	0.2	3.7	S
08	2	25.1	32.6	19.2	28.5	26.5	26.1	25.8	25.2	23.6	20.8	75.7	0.0	22.6	0.4	3.9	S
08	3	24.0	31.6	17.8	29.6	26.5	26.1	25.9	25.3	23.6	20.8	76.7	0.0	24.1	0.3	3.8	S
08	4	25.4	33.1	19.2	31.6	26.9	26.5	26.1	25.4	23.6	20.9	79.0	0.0	23.0	0.3	4.0	WSW
08	5	26.0	30.5	23.0	29.9	27.3	26.9	26.4	25.6	23.6	20.9	82.8	0.0	12.4	0.4	5.5	NE
08	6	24.6	30.5	21.9	27.8	26.9	26.5	26.3	25.6	23.7	21.0	92.6	17.5	12.3	0.0	2.0	NW
08	7	25.7	33.8	20.0	29.5	27.1	26.6	26.2	25.6	23.8	21.0	82.7	0.0	23.4	0.2	3.1	S
08	8	26.2	33.1	20.9	29.9	27.5	26.9	26.5	25.7	23.8	21.0	83.6	0.0	19.2	0.2	3.1	SSW
08	9	27.2	34.7	22.1	32.1	28.0	27.3	26.8	25.9	23.9	21.1	80.2	0.0	21.6	0.1	3.4	SW
08	10	28.3	35.3	22.3	33.1	28.4	27.8	27.2	26.2	23.9	21.1	75.1	0.0	21.7	0.4	4.2	S
08	11	27.9	36.1	22.2	33.7	28.8	28.1	27.5	26.4	24.1	21.2	76.2	0.0	22.9	0.4	3.7	S
08	12	26.9	35.8	20.4	33.1	28.7	28.2	27.6	26.6	24.2	21.2	73.7	0.0	23.9	0.3	4.7	SSW
08	13	25.7	34.3	19.1	32.2	28.3	28.0	27.6	26.7	24.3	21.3	75.1	0.0	23.3	0.2	3.3	SSW
08	14	26.4	34.2	20.3	32.7	28.4	28.0	27.5	26.7	24.4	21.4	76.3	0.0	22.2	0.1	4.6	SW
08	15	26.8	33.8	21.4	33.3	28.7	28.2	27.6	26.7	24.5	21.4	77.8	0.0	22.2	0.3	4.4	SW
08	16	26.7	33.8	21.3	32.5	28.7	28.3	27.7	26.8	24.6	21.5	78.5	0.0	20.3	0.3	4.1	SSW
08	17	26.0	33.3	20.0	31.8	28.5	28.1	27.7	26.9	24.6	21.6	76.8	0.0	20.4	0.3	5.5	W
08	18	26.1	33.7	20.1	31.7	28.4	28.0	27.6	26.8	24.7	21.7	78.8	0.0	19.3	0.3	3.5	S
08	19	26.7	33.8	21.6	31.9	28.4	28.0	27.6	26.8	24.7	21.7	79.7	0.0	18.1	0.4	4.8	ESE
08	20	27.0	34.9	20.8	30.9	28.5	28.1	27.6	26.8	24.8	21.8	76.2	0.0	19.8	0.3	4.9	N
08	21	27.8	34.9	22.9	32.5	28.8	28.3	27.8	26.9	24.8	21.9	77.5	0.0	18.3	0.2	3.1	SSW
08	22	28.1	36.4	22.8	34.4	29.2	28.5	28.0	27.0	24.9	21.9	75.9	0.0	21.0	0.2	3.5	SSW
08	23	27.1	33.9	22.6	31.0	29.0	28.6	28.2	27.2	24.9	22.0	82.1	2.0	12.9	0.0	2.7	SSE
08	24	24.3	28.0	21.5	27.4	27.9	27.8	27.7	27.1	25.0	22.0	87.9	0.5	10.3	0.1	2.9	SSE
08	25	21.7	23.6	18.5	23.8	25.7	26.0	26.4	26.5	25.1	22.1	96.6	27.0	5.0	0.0	1.8	SE
08	26	20.2	26.0	16.8	22.7	24.5	24.8	25.3	25.7	25.0	22.2	95.4	2.5	6.9	0.0	2.7	ENE
08	27	22.4	30.2	16.3	25.5	24.8	24.7	24.9	25.2	24.7	22.2	78.4	0.0	22.4	0.2	4.4	S
08	28	21.7	30.2	15.2	25.9	25.1	25.1	25.1	25.1	24.5	22.3	78.9	0.0	21.2	0.2	3.7	SSW
08	29	23.4	30.9	16.3	27.7	25.4	25.3	25.2	25.1	24.3	22.2	78.7	0.0	20.5	0.3	5.9	E
08	30	24.7	32.7	20.6	27.2	26.0	25.8	25.6	25.3	24.3	22.2	88.7	0.0	9.5	0.1	5.3	W
08	31	26.2	33.2	21.3	28.9	26.4	26.0	25.7	25.4	24.2	22.2	83.4	31.0	17.4	0.7	5.8	E
計	Total												105.5				
平均	Mean	25.5	32.6	20.3	30.0	27.4	27.1	26.7	26.1	24.3	21.5	81.0	3.4	18.4	0.3	3.9	
最大	Max.	28.3	36.4	23.0	34.4	29.2	28.6	28.2	27.2	25.1	22.3	96.6	31.0	24.1	0.7	5.9	
最低	Min.	20.2	23.6	15.2	22.7	24.5	24.7	24.9	25.1	23.5	20.7	73.7	0.0	5.0	0.0	1.8	

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



2013年 9月

## 気象月報

生態水文学研究所白坂

## Monthly report of meteorological data at Shirasaka

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		
		Air Temperature			Soil Temperature										Wind Velocity		
Date		平均 Mean	最高 Max.	最低 Min.	0.0	0.05	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.
09	1	23.9	29.8	20.9	26.2	26.0	25.8	25.8	25.6	24.4	22.2	90.7	0.0	13.0	0.0	2.5	SW
09	2	22.4	25.1	20.5	23.3	24.5	24.8	25.1	25.3	24.6	22.5	97.1	97.5	3.7	0.2	4.2	NE
09	3	23.4	29.2	19.9	24.9	24.1	24.0	24.2	24.6	24.8	22.8	90.9	10.0	11.3	0.2	4.0	ENE
09	4	22.7	28.5	19.0	23.7	23.9	24.0	24.2	24.5	24.6	22.9	93.2	111.0	7.4	0.5	5.8	ENE
09	5	22.1	27.8	18.0	24.2	23.4	23.2	23.3	23.8	24.5	23.3	93.9	1.5	8.6	0.1	2.5	SW
09	6	22.3	30.6	17.1	25.4	24.2	24.0	24.0	24.1	24.3	23.1	85.4	0.0	19.4	0.2	3.3	SSW
09	7	22.3	27.2	18.2	24.3	24.5	24.4	24.5	24.4	24.2	23.1	92.2	7.0	7.9	0.1	3.6	ENE
09	8	22.1	24.6	20.0	24.4	24.5	24.4	24.5	24.5	24.2	23.0	96.1	9.5	6.2	0.1	3.3	E
09	9	21.3	28.3	16.3	24.2	24.3	24.2	24.4	24.4	24.1	22.9	86.8	0.0	16.3	0.2	4.6	SW
09	10	21.1	26.5	17.3	23.5	24.0	24.1	24.3	24.4	24.1	22.8	90.7	0.0	8.7	0.0	2.3	N
09	11	22.4	29.0	18.4	24.7	24.2	24.1	24.2	24.3	24.0	22.8	88.7	0.0	11.0	0.1	3.2	WNW
09	12	24.1	30.7	19.4	27.2	25.0	24.6	24.5	24.3	23.9	22.7	85.2	0.0	17.8	0.2	3.1	SSW
09	13	25.0	31.7	20.3	27.5	25.6	25.3	25.0	24.6	23.9	22.7	85.1	0.0	15.6	0.1	2.7	SW
09	14	25.0	31.4	21.4	27.9	26.1	25.7	25.4	24.9	24.0	22.7	84.9	0.0	15.1	0.2	5.4	ESE
09	15	23.9	29.7	20.4	25.8	25.7	25.5	25.5	25.1	24.1	22.6	89.1	15.5	9.1	0.4	7.0	E
09	16	21.1	25.1	12.6	22.1	23.5	23.8	24.1	24.6	24.4	22.8	84.2	105.0	7.9	1.3	9.9	SSE
09	17	19.0	28.4	10.7	21.2	22.2	22.6	23.2	23.9	24.4	22.9	75.9	0.0	21.0	0.2	4.3	W
09	18	20.2	28.5	14.2	22.9	23.1	23.2	23.4	23.8	24.1	22.9	82.1	0.0	19.7	0.2	3.0	SSW
09	19	19.8	28.2	13.7	23.2	23.4	23.5	23.6	23.8	23.9	22.9	79.9	0.0	19.4	0.2	4.5	SW
09	20	19.9	28.8	13.6	22.4	23.0	23.3	23.5	23.8	23.8	22.8	80.3	0.0	19.7	0.2	3.2	WSW
09	21	20.8	29.4	14.9	23.6	23.3	23.4	23.5	23.7	23.7	22.8	82.5	0.0	19.2	0.1	2.9	W
09	22	22.1	29.7	16.1	24.6	23.6	23.7	23.6	23.7	23.6	22.7	80.1	0.0	17.7	0.1	3.4	SSW
09	23	21.8	28.4	17.1	25.7	24.3	24.2	24.0	23.9	23.6	22.7	83.9	0.0	15.9	0.2	3.1	SSW
09	24	22.0	30.7	16.8	25.4	24.3	24.2	24.1	24.0	23.6	22.6	82.2	0.0	16.4	0.1	3.1	SW
09	25	23.2	30.1	18.0	26.3	24.5	24.4	24.2	24.1	23.6	22.6	79.5	0.0	14.8	0.2	3.2	SSW
09	26	20.4	26.5	12.1	23.9	24.3	24.5	24.4	24.2	23.6	22.6	62.0	0.0	19.0	1.3	8.3	SSW
09	27	15.6	24.0	8.8	20.4	22.5	23.2	23.6	24.0	23.6	22.5	74.2	0.0	18.6	0.3	4.1	S
09	28	16.9	25.5	11.0	20.7	22.0	22.5	22.9	23.4	23.6	22.5	80.1	0.0	16.4	0.2	3.8	WSW
09	29	17.9	25.6	12.2	21.0	21.8	22.2	22.6	23.1	23.4	22.5	83.0	0.0	13.0	0.1	3.3	SSW
09	30	19.4	26.4	15.0	22.7	22.3	22.5	22.6	23.0	23.3	22.5	81.0	0.0	13.6	0.1	2.8	SW
計	Total												357.0				
平均	Mean	21.5	28.2	16.5	24.1	23.9	24.0	24.1	24.2	24.0	22.7	84.7	11.9	14.1	0.2	4.0	
最大	Max.	25.0	31.7	21.4	27.9	26.1	25.8	25.8	25.6	24.8	23.3	97.1	111.0	21.0	1.3	9.9	
最低	Min.	15.6	24.0	8.8	20.4	21.8	22.2	22.6	23.0	23.3	22.2	62.0	0.0	3.7	0.0	2.3	

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

2013年 10月

## 気象月報

生態水文学研究所白坂

## Monthly report of meteorological data at Shirasaka

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		
		Air Temperature			Soil Temperature										Wind Velocity		
Date		平均 Mean	最高 Max.	最低 Min.	0.0	0.05	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.
10	1	21.0	28.6	15.5	24.3	22.7	22.8	22.8	23.0	23.1	22.4	82.6	0.0	11.7	0.1	2.5	SW
10	2	22.0	30.0	16.5	25.5	23.6	23.4	23.2	23.1	23.0	22.4	79.1	0.0	17.4	0.4	4.4	SSW
10	3	19.3	27.2	12.4	22.4	23.2	23.4	23.4	23.4	23.1	22.4	76.8	0.0	13.8	0.4	6.0	S
10	4	17.3	24.1	11.8	20.8	22.1	22.6	22.8	23.2	23.1	22.3	85.9	0.0	12.0	0.1	2.4	SSW
10	5	19.9	26.2	14.5	22.8	22.2	22.5	22.6	22.9	23.0	22.3	86.5	0.0	8.9	0.0	1.6	SSW
10	6	21.4	28.2	17.6	23.6	22.9	22.9	22.8	22.9	22.9	22.2	87.3	0.0	8.0	0.0	1.9	WNW
10	7	20.5	25.4	16.9	22.4	22.7	22.8	22.9	23.0	22.9	22.2	90.3	0.0	6.6	0.0	2.4	NW
10	8	21.1	26.8	17.0	22.3	22.5	22.7	22.7	22.9	22.8	22.1	84.4	0.0	8.3	0.2	3.8	E
10	9	21.6	23.6	19.0	22.1	22.5	22.6	22.7	22.9	22.8	22.1	92.9	10.5	3.3	0.8	9.2	ENE
10	10	21.7	30.2	16.8	23.1	22.8	22.6	22.7	22.8	22.7	22.1	89.1	0.0	14.1	0.0	2.3	SSW
10	11	22.4	26.6	19.4	23.4	23.1	23.0	23.0	22.9	22.7	22.1	87.2	7.0	9.7	0.8	6.4	ENE
10	12	18.9	24.5	10.3	20.5	22.7	22.8	23.0	23.0	22.7	22.0	75.0	0.0	12.7	0.7	6.1	SSE
10	13	14.3	23.5	7.8	16.8	20.4	21.2	21.8	22.6	22.7	22.0	74.8	0.0	15.6	0.4	5.5	S
10	14	15.7	24.1	10.8	17.2	19.6	20.3	20.9	21.9	22.6	22.0	87.5	0.0	9.2	0.1	4.6	SSW
10	15	15.6	17.8	12.5	16.7	19.2	19.9	20.5	21.4	22.3	21.9	97.5	59.5	2.0	0.2	5.2	SE
10	16	15.8	22.3	10.1	16.7	18.1	18.6	19.1	20.2	21.9	21.9	77.7	36.5	12.1	1.7	9.7	S
10	17	12.2	20.3	6.3	14.4	17.4	18.1	18.8	19.9	21.5	21.9	74.2	0.0	15.4	0.6	4.7	SSW
10	18	13.4	19.2	8.3	15.6	17.4	18.0	18.6	19.6	21.2	21.8	89.0	1.0	7.5	0.0	2.2	SW
10	19	14.7	19.6	11.9	17.2	17.9	18.2	18.7	19.5	21.0	21.6	93.8	2.0	7.6	0.0	2.2	SW
10	20	14.5	15.4	13.2	15.4	17.3	17.8	18.4	19.3	20.8	21.5	98.7	79.0	1.1	0.1	3.7	SE
10	21	16.4	24.4	11.9	17.2	17.5	17.7	17.9	18.7	20.3	21.4	91.0	0.0	14.0	0.1	2.4	SSW
10	22	16.0	19.0	14.2	16.9	18.0	18.2	18.5	19.0	20.2	21.2	96.3	0.0	2.8	0.0	2.6	SW
10	23	16.1	19.3	14.7	17.4	18.1	18.3	18.6	19.1	20.1	21.1	97.0	13.5	2.8	0.0	1.5	S
10	24	16.6	20.6	13.6	18.1	18.3	18.4	18.6	19.1	20.1	21.0	94.6	0.5	5.6	0.0	3.4	ENE
10	25	18.3	21.6	14.2	18.7	18.9	18.9	19.0	19.3	20.1	20.9	90.7	13.0	2.4	0.5	4.6	E
10	26	13.2	17.7	9.1	15.1	17.7	18.2	18.7	19.2	20.0	20.8	82.9	30.0	8.7	1.0	9.7	S
10	27	11.6	18.2	6.4	12.6	16.3	17.1	17.8	18.8	19.9	20.7	71.2	0.0	12.7	0.8	6.7	SSW
10	28	11.4	20.6	4.8	13.1	15.8	16.4	17.1	18.3	19.8	20.6	86.9	0.0	12.2	0.1	3.1	SW
10	29	12.4	15.3	9.2	14.0	15.8	16.4	17.0	18.0	19.6	20.5	98.5	3.5	3.6	0.0	1.9	SSE
10	30	14.0	20.5	7.4	15.7	16.7	16.9	17.2	17.9	19.4	20.4	85.7	0.5	11.3	0.2	5.2	S
10	31	11.3	20.7	5.7	13.1	15.9	16.5	17.1	17.9	19.3	20.3	85.9	0.0	11.1	0.1	3.7	SW
計	Total												256.5				
平均	Mean	16.8	22.6	12.3	18.6	19.6	20.0	20.3	20.8	21.5	21.6	86.8	8.3	9.2	0.3	4.2	
最大	Max.	22.4	30.2	19.4	25.5	23.6	23.4	23.4	23.4	23.1	22.4	98.7	79.0	17.4	1.7	9.7	
最低	Min.	11.3	15.3	4.8	12.6	15.8	16.4	17.0	17.9	19.3	20.3	71.2	0.0	1.1	0.0	1.5	

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

2013年 11月

## 気象月報

生態水文学研究所白坂

## Monthly report of meteorological data at Shirasaka

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		
		Air Temperature			Soil Temperature										Wind Velocity		
Date		平均 Mean	最高 Max.	最低 Min.	0.0	0.05	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.
11	1	11.1	19.8	6.5	12.4	15.4	16.0	16.7	17.7	19.2	20.2	89.7	0.0	10.0	0.0	2.2	SSW
11	2	12.4	19.5	8.0	13.2	15.2	15.8	16.4	17.4	19.0	20.1	93.3	0.0	6.5	0.0	3.1	E
11	3	14.3	18.9	11.1	15.2	15.8	16.1	16.5	17.3	18.9	20.0	93.8	5.0	5.3	0.0	2.5	SW
11	4	14.3	19.5	9.2	16.0	16.7	16.7	17.0	17.5	18.8	19.9	80.4	4.0	10.6	0.5	4.9	SSW
11	5	11.1	19.3	6.2	12.5	15.6	16.1	16.7	17.5	18.7	19.8	79.8	0.0	12.3	0.2	4.1	SSW
11	6	12.1	19.5	6.3	13.3	14.9	15.5	16.1	17.2	18.6	19.7	86.0	0.0	9.4	0.1	4.9	E
11	7	12.3	15.7	7.7	13.8	15.6	15.9	16.3	17.1	18.5	19.7	98.6	8.5	2.4	0.0	3.3	S
11	8	10.2	18.3	5.7	11.8	14.7	15.3	15.9	16.9	18.4	19.6	83.9	0.5	11.8	0.2	5.8	S
11	9	9.8	17.7	4.3	11.0	13.9	14.7	15.4	16.6	18.3	19.5	88.7	0.0	7.9	0.0	2.5	SSW
11	10	12.9	14.8	9.5	12.6	14.1	14.6	15.2	16.3	18.1	19.4	99.3	9.5	0.8	0.0	3.6	ENE
11	11	8.4	14.3	0.5	10.7	14.2	14.8	15.3	16.2	17.9	19.3	86.3	0.0	5.5	0.4	5.9	S
11	12	3.7	8.5	-1.1	6.7	12.0	13.2	14.3	15.8	17.8	19.2	87.4	0.0	6.4	0.1	2.5	SW
11	13	3.6	11.1	-1.1	6.3	11.1	12.3	13.3	15.0	17.5	19.1	83.5	0.0	11.1	0.3	5.4	SSW
11	14	5.2	13.5	-1.2	6.4	10.5	11.6	12.7	14.4	17.2	19.0	88.2	0.0	8.2	0.1	2.9	SSE
11	15	7.6	10.5	4.0	8.2	11.1	11.8	12.6	14.1	16.9	18.9	99.3	12.5	2.1	0.0	2.8	ESE
11	16	6.9	16.5	2.0	7.7	10.8	11.6	12.4	13.9	16.6	18.8	91.2	0.0	11.2	0.0	2.1	N
11	17	8.4	16.0	3.2	8.6	10.9	11.6	12.3	13.7	16.4	18.6	91.8	0.0	7.7	0.1	3.1	ESE
11	18	7.1	13.7	0.4	8.6	11.5	12.1	12.6	13.7	16.2	18.5	86.0	0.0	7.6	0.2	5.9	SW
11	19	3.7	10.9	-1.0	6.3	10.3	11.4	12.2	13.6	16.0	18.3	82.5	0.0	9.8	0.2	4.5	SSW
11	20	3.7	12.3	-0.7	5.1	9.4	10.6	11.6	13.2	15.9	18.2	86.1	0.0	7.7	0.1	3.1	SSW
11	21	5.5	10.4	-0.5	7.0	9.5	10.4	11.2	12.8	15.6	18.0	85.0	0.0	6.2	0.2	3.3	SSW
11	22	6.0	13.0	1.3	7.9	10.1	10.8	11.4	12.7	15.4	17.9	86.0	0.0	9.8	0.3	4.4	SSW
11	23	5.1	14.1	0.0	6.2	9.8	10.7	11.4	12.7	15.2	17.7	84.4	0.0	11.0	0.3	5.6	SSW
11	24	6.2	14.9	1.2	6.5	9.6	10.4	11.2	12.5	15.1	17.6	88.7	0.0	9.7	0.1	3.5	SSW
11	25	10.2	15.3	4.4	8.9	10.1	10.6	11.2	12.4	15.0	17.4	91.4	33.0	1.0	0.8	9.0	ENE
11	26	6.3	10.5	-0.3	7.7	10.7	11.2	11.6	12.4	14.7	17.3	81.2	0.0	7.2	0.7	6.0	S
11	27	5.7	11.7	-0.3	6.9	9.3	10.2	11.0	12.3	14.5	17.1	81.4	0.5	9.5	0.3	4.9	E
11	28	4.3	7.4	-2.4	6.2	9.8	10.5	11.1	12.2	14.4	17.0	84.7	0.0	3.5	0.5	6.2	S
11	29	2.0	8.6	-3.7	3.6	7.9	9.1	10.2	11.9	14.3	16.9	79.6	0.0	8.8	0.4	4.9	SSW
11	30	3.2	9.6	-0.8	5.2	8.3	9.1	9.9	11.4	14.2	16.7	87.2	0.0	9.3	0.3	4.2	SSW
計	Total												73.5				
平均	Mean	7.8	14.2	2.6	9.1	12.0	12.7	13.4	14.6	16.8	18.6	87.5	2.5	7.7	0.2	4.2	
最大	Max.	14.3	19.8	11.1	16.0	16.7	16.7	17.0	17.7	19.2	20.2	99.3	33.0	12.3	0.8	9.0	
最低	Min.	2.0	7.4	-3.7	3.6	7.9	9.1	9.9	11.4	14.2	16.7	79.6	0.0	0.8	0.0	2.1	

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

2013年 12月

## 気象月報

生態水文学研究所白坂

## Monthly report of meteorological data at Shirasaka

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		
		Air Temperature			Soil Temperature										Hum. %	Prec. mm	MJ/m <sup>2</sup>
Date		平均 Mean	最高 Max.	最低 Min.	0.0	0.05	0.1	0.2	0.5	1.0	2.0m deep				平均 Mean	最大 Max.	風向 Dir.
12	1	4.9	13.1	-0.5	5.5	8.2	9.0	9.8	11.3	14.0	16.6	87.6	1.0	9.6	0.2	4.0	SSW
12	2	4.7	12.4	0.5	5.8	8.6	9.3	9.9	11.2	13.8	16.5	91.2	0.0	8.8	0.2	3.7	SSW
12	3	4.9	13.1	0.3	5.5	8.5	9.2	9.9	11.2	13.7	16.3	87.6	0.0	9.9	0.2	3.7	SSW
12	4	4.6	13.1	0.3	4.7	8.2	9.0	9.7	11.1	13.6	16.2	85.6	0.0	9.4	0.2	4.3	SSW
12	5	5.4	13.5	0.6	5.1	8.1	8.8	9.6	10.9	13.5	16.1	87.0	0.0	9.5	0.2	3.7	SSW
12	6	5.8	12.7	1.8	5.8	8.2	8.9	9.5	10.8	13.3	16.0	88.7	0.0	6.4	0.1	3.6	SW
12	7	5.0	11.1	0.9	5.6	8.4	9.0	9.6	10.8	13.2	15.9	83.2	0.0	7.7	0.4	4.3	SSW
12	8	2.8	10.8	-2.0	4.0	7.8	8.7	9.4	10.7	13.1	15.8	79.8	0.0	10.0	0.4	6.6	SSW
12	9	4.0	12.0	-2.7	4.5	7.0	8.0	8.9	10.4	13.1	15.6	79.3	0.0	7.4	0.2	3.7	ESE
12	10	7.7	11.4	3.0	7.5	8.6	8.9	9.3	10.4	12.9	15.5	82.6	15.5	5.2	1.4	8.7	SSE
12	11	3.4	9.5	-1.5	4.7	7.8	8.6	9.2	10.4	12.8	15.4	84.1	0.5	6.4	0.2	2.9	SSW
12	12	1.9	6.9	-2.6	3.2	7.1	8.0	8.8	10.2	12.7	15.3	75.9	0.0	8.2	0.8	6.5	SW
12	13	1.6	8.0	-2.6	2.7	6.3	7.3	8.2	9.8	12.6	15.2	84.3	0.0	4.5	0.5	4.9	SSW
12	14	1.4	5.6	-2.6	2.5	6.0	7.0	7.9	9.5	12.4	15.1	80.4	0.0	5.4	0.8	7.2	SW
12	15	2.6	7.4	0.4	3.9	6.4	7.1	7.8	9.3	12.2	15.0	86.7	0.0	4.7	1.0	5.3	SSW
12	16	3.0	8.1	-0.8	2.8	6.1	6.9	7.7	9.2	12.0	14.9	66.4	0.0	8.9	1.2	5.7	SSW
12	17	3.6	9.6	-1.1	4.2	6.3	7.0	7.7	9.1	11.8	14.8	76.3	0.0	6.6	0.3	4.5	WSW
12	18	4.6	5.8	3.9	5.5	7.1	7.5	8.1	9.1	11.7	14.7	96.4	22.0	1.1	0.0	1.9	E
12	19	5.6	7.7	3.7	6.8	7.5	7.8	8.2	9.2	11.6	14.5	99.4	13.0	3.3	0.0	1.4	SW
12	20	2.5	5.8	-1.2	4.9	7.5	8.0	8.5	9.3	11.5	14.4	83.9	0.0	8.3	0.6	6.3	SW
12	21	2.1	3.7	0.6	3.9	6.7	7.4	8.1	9.2	11.4	14.3	97.2	1.5	2.1	0.4	4.1	SW
12	22	1.0	6.3	-2.7	2.2	5.9	6.8	7.6	9.0	11.4	14.2	83.1	0.0	8.1	0.6	5.4	SSW
12	23	0.3	7.9	-3.9	1.7	5.2	6.2	7.1	8.6	11.2	14.0	82.8	0.0	8.6	0.4	4.6	SSW
12	24	1.3	8.7	-3.8	1.6	4.9	5.8	6.7	8.3	11.1	13.9	74.7	0.0	9.2	0.8	5.9	SSW
12	25	2.0	7.9	-2.8	1.8	4.8	5.7	6.5	8.0	10.9	13.8	72.4	0.0	7.1	0.4	4.8	SSW
12	26	4.7	9.0	-0.2	4.2	5.4	6.0	6.6	7.9	10.7	13.7	90.7	3.5	2.8	0.1	3.2	ENE
12	27	3.5	8.7	-1.9	4.8	6.5	6.8	7.2	8.2	10.6	13.6	81.7	0.0	6.8	0.8	6.1	SSW
12	28	-0.8	3.4	-4.2	1.8	5.2	6.1	6.9	8.2	10.5	13.5	88.8	0.0	6.7	0.5	3.8	SW
12	29	-1.1	4.9	-5.2	1.7	4.9	5.8	6.5	7.9	10.5	13.4	88.3	0.0	8.9	0.3	4.6	SW
12	30	-0.3	5.6	-5.0	1.0	4.4	5.3	6.2	7.7	10.4	13.3	86.1	0.0	8.7	0.3	4.3	SSW
12	31	1.7	8.7	-2.2	2.7	4.9	5.6	6.2	7.5	10.3	13.2	88.0	0.0	7.9	0.3	4.2	SSW
計	Total												57.0				
平均	Mean	3.0	8.8	-1.1	4.0	6.7	7.5	8.2	9.5	12.1	14.9	84.5	1.8	7.0	0.4	4.6	
最大	Max.	7.7	13.5	3.9	7.5	8.6	9.3	9.9	11.3	14.0	16.6	99.4	22.0	10.0	1.4	8.7	
最低	Min.	-1.1	3.4	-5.2	1.0	4.4	5.3	6.2	7.5	10.3	13.2	66.4	0.0	1.1	0.0	1.4	

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