

Appendix 9

METEOROLOGICAL DATA

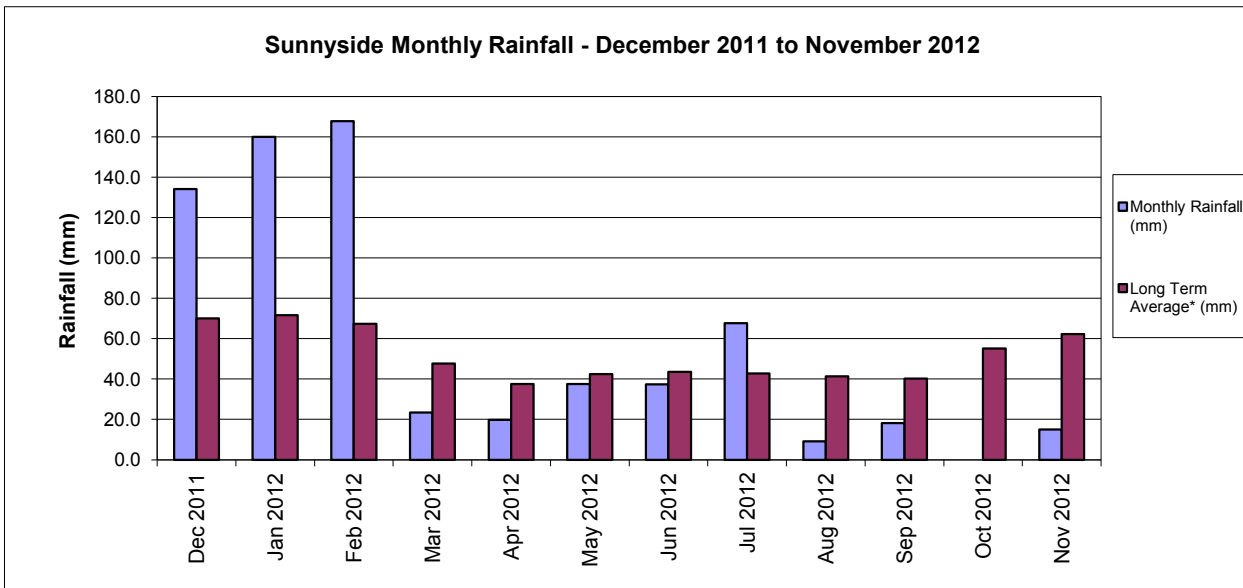
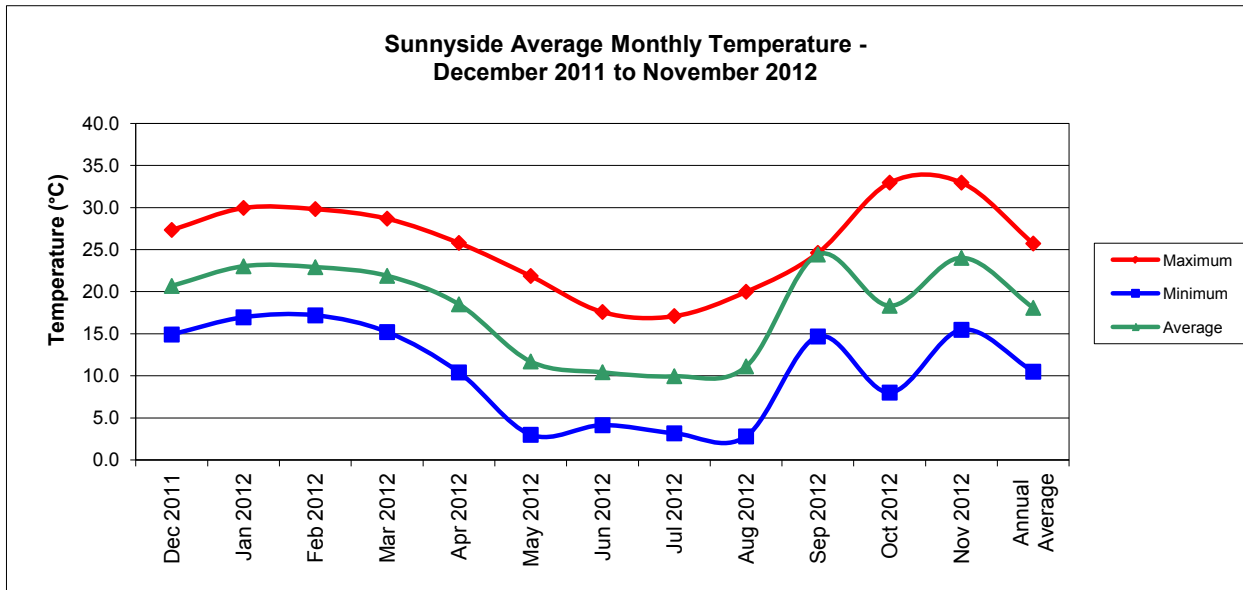
Sunnyside Coal Mine Average Monthly Results

Month**	Minimum Air Temp (°C)	Average Air Temp(°C)	Maximum Air Temp (°C)	Minimum Relative Humidity (%)	Average Relative Humidity(%)	Maximum Relative Humidity (%)	Minimum Wind Speed (m/s)	Average Wind Speed (m/s)	Maximum Wind Speed (m/s)
Dec 2011	14.9	20.7	27.3	44	66	84	0.2	2.0	5.5
Jan 2012	17.0	23.0	30.0	44	65	86	4.9	2.1	5.9
Feb 2012	17.2	22.9	29.8	47	69	88	0.1	1.4	4.8
Mar 2012	15.2	21.9	28.7	46	67	86	0.2	1.7	4.6
Apr 2012	10.4	18.5	25.8	32	63	92	0.0	3.6	9.1
May 2012	3.0	11.7	21.9	35	64	89	0.0	0.8	3.4
Jun 2012	4.1	10.4	17.6	52	76	91	0.0	1.2	4.0
Jul 2012	3.2	10.0	17.1	50	74	90	0.0	0.9	3.6
Aug 2012	2.8	11.1	20.0	37	63	87	0.0	1.5	5.7
Sep 2012	14.7	24.4	24.6	31	58	86	0.0	1.6	5.6
Oct 2012	8.0	18.3	33.0	24	48	79	0.0	1.7	5.8
Nov 2012	15.5	24.0	33.0	27	49	76	0.0	2.1	6.5
Annual Average	10.5	18.1	25.7	39	64	86	0.4	1.7	5.4
Minimum	2.8	10.0	17.1	24	48	76	0.0	0.8	3.4
Maximum	17.2	24.4	33.0	52	76	92	4.9	3.6	9.1

Month**	Monthly Rainfall (mm)	Long Term Average* (mm)	Cumulative Rainfall (mm)	Number of Rain Days
Dec 2011	134.2	70	134.2	10
Jan 2012	160.0	71.7	294.2	14
Feb 2012	167.8	67.3	462.0	12
Mar 2012	23.4	47.7	485.4	3
Apr 2012	19.8	37.5	505.2	5
May 2012	37.6	42.5	542.8	5
Jun 2012	37.4	43.6	580.2	16
Jul 2012	67.6	42.7	647.8	9
Aug 2012	9.2	41.3	657.0	3
Sep 2012	18.2	40.3	675.2	2
Oct 2012	0.0	55.1	675.2	0
Nov 2012	15.0	62.2	690.2	3
Total	690.2	621.9	690.2	82

* Long term average is from Gunnedah Pool (Station 055023) 1877 - 2012

**April 2012 is Bureau of Meteorology data due to weather station malfunction



Daily Summary December 2011 Sunnyside Weather Station

<i>Date</i>	<i>Min Temp (°C)</i>	<i>Ave Temp (°C)</i>	<i>Max Temp (°C)</i>	<i>Min RH (%)</i>	<i>Ave RH (%)</i>	<i>Max RH (%)</i>	<i>Rain (mm)</i>	<i>Min WS (m/s)</i>	<i>Ave WS (m/s)</i>	<i>Max WS (m/s)</i>
01/12/11	15	20	24	55	72	90	6.6	0	4	9
02/12/11	12	18	24	38	57	72	0.0	1	3	7
03/12/11	11	19	27	34	59	82	0.0	0	1	4
04/12/11	11	21	31	30	58	87	0.0	0	2	8
05/12/11	12	18	25	42	57	75	0.0	3	5	7
06/12/11	14	18	24	44	55	63	0.0	0	2	4
07/12/11	13	16	19	59	78	89	11.2	0	2	4
08/12/11	15	19	24	58	79	89	0.8	0	1	5
09/12/11	16	22	28	44	63	84	0.0	0	1	5
10/12/11	17	20	26	61	80	90	5.8	0	1	5
11/12/11	15	20	29	51	84	94	65.0	0	1	5
12/12/11	15	20	25	56	78	93	0.2	0	2	5
13/12/11	13	21	29	32	63	92	0.0	0	2	7
14/12/11	13	21	28	34	58	83	0.0	0	2	5
15/12/11	14	21	28	41	60	76	0.0	0	3	5
16/12/11	15	21	28	33	58	76	0.0	0	2	5
17/12/11	13	21	27	38	56	76	0.0	0	2	5
18/12/11	16	21	28	45	62	80	0.0	0	1	3
19/12/11	17	20	24	60	81	92	12.2	0	0	5
20/12/11	16	22	32	39	76	94	0.2	0	1	5
21/12/11	18	22	30	52	74	91	31.8	0	2	9
22/12/11	17	22	30	45	73	89	0.0	0	2	7
23/12/11	18	22	27	61	76	90	0.0	0	1	5
24/12/11	17	24	31	40	66	88	0.0	0	1	5
25/12/11	16	24	32	38	65	86	0.0	0	1	4
26/12/11	17	22	26	58	71	88	0.4	0	2	8
27/12/11	15	22	28	46	64	89	0.0	0	3	7
28/12/11	16	22	28	34	57	79	0.0	1	4	6
29/12/11	15	22	28	40	56	78	0.0	0	3	5
30/12/11	13	21	28	38	54	79	0.0	0	3	5
31/12/11	15	22	30	32	55	76	0.0	0	3	6
Average	14.9	20.7	27.3	44.5	65.9	84.2		0.2	2.0	5.5
Maximum	18.3	23.6	31.7	61.0	83.6	94.0	65.0	3.1	5.1	8.9
Minimum	10.9	15.8	18.9	30.0	54.0	63.0	0.0	0.0	0.2	2.7
Total							134.2			

Daily Summary January 2012 Sunnyside Weather Station

Date	Min Temp (°C)	Ave Temp (°C)	Max Temp (°C)	Min RH (%)	Ave RH (%)	Max RH (%)	Rain (mm)	Min WS (m/s)	Ave WS (m/s)	Max WS (m/s)
01/01/12	15.0	23.5	31.9	26.0	50.1	80.0	0.0	7.0	1.5	4.0
02/01/12	13.3	23.8	33.9	22.0	49.0	78.0	0.0	6.9	0.9	2.7
03/01/12	15.1	25.0	34.7	34.0	56.8	85.0	0.0	6.7	1.1	4.0
04/01/12	16.4	26.2	35.2	34.0	58.4	87.0	0.0	6.0	1.7	5.4
05/01/12	19.5	26.0	35.9	36.0	63.9	92.0	9.6	5.2	2.6	8.0
06/01/12	16.9	23.4	30.2	51.0	72.6	94.0	0.2	6.4	1.8	5.8
07/01/12	16.6	24.8	33.6	42.0	64.0	85.0	0.0	5.9	1.6	5.4
08/01/12	19.8	27.0	34.8	43.0	67.2	91.0	33.2	6.3	2.6	8.5
09/01/12	18.9	25.5	32.1	36.0	66.0	94.0	0.0	7.2	2.4	7.2
10/01/12	13.0	22.3	30.2	28.0	52.4	84.0	0.0	9.3	1.4	5.8
11/01/12	15.7	23.0	29.8	27.0	43.6	71.0	0.0	6.7	3.8	8.9
12/01/12	8.2	19.1	28.9	23.0	44.7	81.0	0.0	6.1	1.1	4.9
13/01/12	13.2	21.7	30.2	33.0	56.0	78.0	0.0	4.0	1.1	4.0
14/01/12	15.7	21.1	29.7	43.0	68.6	91.0	42.8	2.5	1.1	10.3
15/01/12	15.8	18.2	23.9	48.0	80.6	93.0	5.0	4.2	1.7	4.5
16/01/12	16.5	21.4	27.9	42.0	65.0	88.0	0.2	7.3	2.8	4.5
17/01/12	15.8	23.2	29.9	41.0	55.3	75.0	0.0	3.1	3.6	7.2
18/01/12	17.4	21.5	27.7	54.0	74.7	87.0	4.6	2.3	2.6	4.9
19/01/12	18.8	20.6	22.1	75.0	85.0	90.0	12.8	4.6	3.4	5.8
20/01/12	20.9	23.7	29.7	56.0	73.3	90.0	5.2	4.9	3.4	7.2
21/01/12	20.7	23.9	28.4	55.0	66.6	77.0	0.2	2.2	3.9	8.5
22/01/12	19.8	21.7	24.2	64.0	74.5	86.0	2.4	2.3	1.6	4.9
23/01/12	18.5	21.4	25.2	64.0	79.6	90.0	1.4	2.6	2.3	4.0
24/01/12	20.9	24.0	30.9	62.0	80.5	93.0	22.0	2.0	1.9	7.2
25/01/12	21.4	23.4	28.0	71.0	87.9	94.0	20.4	0.0	0.7	4.5
Average	17.0	23.0	30.0	44.4	65.5	86.2	 	4.9	2.1	5.9
Maximum	21.4	27.0	35.9	75.0	87.9	94.0	42.8	9.3	3.9	10.3
Minimum	8.2	18.2	22.1	22.0	43.6	71.0	0.0	0.0	0.7	2.7
Total	 	 	 	 	 	 	160.0	 	 	

*Weather station malfunction

Daily Summary

March 2012

Sunnyside Weather Station

Date	Min Temp (°C)	Ave Temp (°C)	Max Temp (°C)	Min RH (%)	Ave RH (%)	Max RH (%)	Rain (mm)	Min WS (m/s)	Ave WS (m/s)	Max WS (m/s)
01/03/12	18	25	32	48	71	92	0.2	0	3	9
02/03/12	19.7	23.0	26.1	68.0	80.0	91.0	0.6	0.0	2.9	6.7
03/03/12	17.0	22.2	28.7	56.0	75.4	92.0	15.0	0.4	3.2	4.9
04/03/12	18.7	25.5	32.8	43.0	65.2	86.0	0.0	0.0	1.4	4.5
05/03/12	18.8	22.2	25.5	69.0	83.8	90.0	4.4	0.0	1.1	4.0
06/03/12	17.0	21.4	27.3	51.0	68.7	85.0	0.0	0.9	3.7	6.3
07/03/12	15.0	18.8	23.1	48.0	66.5	81.0	0.0	0.0	4.0	7.2
08/03/12	9.3	17.9	25.6	41.0	67.3	92.0	0.0	0.0	1.1	4.9
09/03/12	9.0	18.8	28.8	35.0	65.8	92.0	0.0	0.0	0.9	4.9
10/03/12	10.4	20.9	30.8	29.0	58.4	92.0	0.0	0.0	0.7	3.6
11/03/12	14.1	21.9	31.3	33.0	62.3	83.0	0.0	0.0	0.8	3.1
12/03/12	14.1	22.9	30.8	38.0	63.4	86.0	0.0	0.0	1.0	4.5
13/03/12	16.8	23.2	29.7	41.0	60.4	78.0	0.0	0.0	1.1	2.7
14/03/12	16.8	22.7	29.4	37.0	60.2	80.0	0.0	0.0	0.9	2.2
15/03/12	18.3	23.1	28.9	43.0	63.5	79.0	0.0	0.0	0.8	3.1
16/03/12	16.2	23.5	30.9	46.0	67.6	88.0	0.0	0.0	0.5	3.6
17/03/12	18.6	21.6	25.7	68.0	82.1	90.0	3.2	0.0	0.4	4.0
18/03/12	16.9	20.8	26.2	45.0	65.3	85.0	0.0	2.2	4.5	8.0
19/03/12	14.4	20.4	27.5	44.0	64.7	81.0	0.0	0.0	4.4	6.7
20/03/12	15.8	22.2	29.6	45.0	67.8	88.0	0.0	0.0	3.1	5.8
21/03/12	16.3	22.0	30.9	40.0	67.3	87.0	0.0	0.0	0.8	2.7
22/03/12	15.4	23.5	33.4	37.0	63.3	88.0	0.0	0.0	0.2	1.8
23/03/12	10.7	20.1	28.1	33.0	61.6	90.0	0.0	0.0	2.0	7.6
24/03/12	7.9	12.0	14.4	61.0	68.4	81.0	0.0	0.0	0.6	2.2
Average	15.2	21.9	28.7	45.7	67.3	86.3		0.2	1.7	4.6
Maximum	19.7	25.5	33.4	69.0	83.8	92.0	15.0	2.2	4.5	8.5
Minimum	7.9	12.0	14.4	29.0	58.4	78.0	0.0	0.0	0.2	1.8
Total							23.4			

*Weather station malfunction

Daily Summary

April 2012

Sunnyside Weather Station

Date	Min Temp (°C)	Ave Temp (°C)	Max Temp (°C)	Min RH (%)	Ave RH (%)	Max RH (%)	Rain (mm)	Min WS (m/s)	Ave WS (m/s)	Max WS (m/s)
01/04/12	-	-	-	-	-	-	-	-	-	-
02/04/12	-	-	-	-	-	-	-	-	-	-
03/04/12	-	-	-	-	-	-	-	-	-	-
04/04/12	-	-	-	-	-	-	-	-	-	-
05/04/12	-	-	-	-	-	-	-	-	-	-
06/04/12	-	-	-	-	-	-	-	-	-	-
07/04/12	-	-	-	-	-	-	-	-	-	-
08/04/12	-	-	-	-	-	-	-	-	-	-
09/04/12	-	-	-	-	-	-	-	-	-	-
10/04/12	-	-	-	-	-	-	-	-	-	-
11/04/12	-	-	-	-	-	-	-	-	-	-
12/04/12	-	-	-	-	-	-	-	-	-	-
13/04/12	-	-	-	-	-	-	-	-	-	-
14/04/12	-	-	-	-	-	-	-	-	-	-
15/04/12	-	-	-	-	-	-	-	-	-	-
16/04/12	-	-	-	-	-	-	-	-	-	-
17/04/12	-	-	-	-	-	-	-	-	-	-
18/04/12	-	-	-	-	-	-	-	-	-	-
19/04/12	-	-	-	-	-	-	-	-	-	-
20/04/12	-	-	-	-	-	-	-	-	-	-
21/04/12	-	-	-	-	-	-	-	-	-	-
22/04/12	-	-	-	-	-	-	-	-	-	-
23/04/12	-	-	-	-	-	-	-	-	-	-
24/04/12	-	-	-	-	-	-	-	-	-	-
25/04/12	-	-	-	-	-	-	-	-	-	-
26/04/12	-	-	-	-	-	-	-	-	-	-
27/04/12	-	-	-	-	-	-	-	-	-	-
28/04/12	-	-	-	-	-	-	-	-	-	-
29/04/12	-	-	-	-	-	-	-	-	-	-
30/04/12	-	-	-	-	-	-	-	-	-	-
Average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Maximum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

*Weather station malfunction

Daily Summary

May 2012

Sunnyside Weather Station

Date	Min Temp (°C)	Ave Temp (°C)	Max Temp (°C)	Min RH (%)	Ave RH (%)	Max RH (%)	Rain (mm)	Min WS (m/s)	Ave WS (m/s)	Max WS (m/s)
04/05/12	9	17	23	37	45	67	0.0	0	3	8
05/05/12	3	12	22	38	65	89	0.0	0	1	5
06/05/12	3	11	21	33	64	91	0.0	0	0	3
07/05/12	6	13	23	31	60	88	0.0	0	1	4
08/05/12	3	13	25	29	65	90	0.0	0	0	2
09/05/12	3	14	27	25	62	90	0.0	0	0	3
10/05/12	4	14	28	25	61	90	0.0	0	0	4
11/05/12	4	14	27	29	62	89	0.0	0	0	3
12/05/12	4	14	25	33	60	87	0.4	0	1	6
13/05/12	-1	9	18	35	62	89	0.0	0	1	7
14/05/12	0	9	19	30	61	89	0.0	0	0	3
15/05/12	-2	9	20	25	59	90	0.0	0	0	1
16/05/12	-1	9	23	24	62	90	0.0	0	0	1
17/05/12	2	11	23	26	64	91	0.0	0	0	2
18/05/12	1	10	24	23	61	89	0.0	0	0	1
19/05/12	0	9	23	25	59	87	0.0	0	0	3
20/05/12	0	10	21	23	57	88	0.0	0	1	3
21/05/12	5	13	23	40	65	87	0.0	0	1	3
22/05/12	1	10	23	26	64	91	0.0	0	0	2
23/05/12	-1	10	23	25	59	88	0.0	0	0	2
24/05/12	12	16	21	43	72	92	24.4	0	0	3
25/05/12	5	11	16	58	83	93	12.4	0	2	7
26/05/12	1	7	16	51	76	92	0.0	0	0	2
27/05/12	2	9	18	47	77	92	0.2	0	0	2
28/05/12	3	11	19	51	72	97	0.2	0	2	5
29/05/12	4	13	20	51	72	90	0.0	0	2	5
30/05/12	8	14	20	46	67	87	0.0	0	2	4
31/05/12	7	13	21	43	67	89	0.0	0	1	5
Average	3.0	11.7	21.9	34.7	64.4	89.0	0.0	0.0	0.8	3.4
Maximum	11.5	17.2	28.3	58.0	82.8	97.0	24.4	0.0	2.9	8.0
Minimum	-1.9	7.3	15.6	23.0	44.8	67.0	0.0	0.0	0.1	1.3
Total	0.0	0.0	0.0	0.0	0.0	0.0	37.6	0.0	0.0	0.0

*Weather station malfunction

Daily Summary

June 2012

Sunnyside Weather Station

Date	Min Temp (°C)	Ave Temp (°C)	Max Temp (°C)	Min RH (%)	Ave RH (%)	Max RH (%)	Rain (mm)	Min WS (m/s)	Ave WS (m/s)	Max WS (m/s)
01/06/12	9	14	19	56	72	87	0.6	0	1	4
02/06/12	13	13	14	76	87	91	11.2	0	1	3
03/06/12	10	13	15	86	91	95	16.6	0	0	3
04/06/12	6	12	17	63	84	93	1.4	0	2	6
05/06/12	1	7	12	69	85	92	0.6	0	1	6
06/06/12	6	11	16	55	74	90	0.0	0	2	6
07/06/12	7	11	16	55	73	88	0.0	0	2	5
08/06/12	4	10	19	37	72	90	0.0	0	0	2
09/06/12	3	9	19	40	71	89	0.0	0	1	3
10/06/12	2	11	18	35	66	90	0.0	0	1	5
11/06/12	7	12	16	66	77	90	0.0	0	3	5
12/06/12	8	13	18	59	74	89	0.0	0	3	6
13/06/12	5	13	19	51	75	91	0.0	0	2	5
14/06/12	5	11	21	43	74	91	0.2	0	1	3
15/06/12	3	11	23	41	74	92	0.2	0	1	5
16/06/12	8	13	19	53	77	91	2.8	0	1	4
17/06/12	2	10	17	45	79	93	0.2	0	0	2
18/06/12	3	10	18	45	73	91	0.0	0	1	3
19/06/12	-1	8	18	48	75	92	0.0	0	1	4
20/06/12	-1	7	18	43	78	92	0.2	0	0	1
21/06/12	-1	9	19	39	67	92	0.2	0	1	6
22/06/12	3	11	15	60	71	90	0.0	0	2	6
23/06/12	-2	5	14	50	78	92	0.2	0	0	2
24/06/12	-4	5	16	42	74	91	0.2	0	0	2
25/06/12	-3	6	18	37	73	92	0.2	0	0	2
26/06/12	0	10	19	43	73	91	0.0	0	2	5
27/06/12	9	12	15	67	80	89	2.4	0	2	5
28/06/12	9	13	19	49	71	84	0.2	0	1	5
29/06/12	6	12	20	54	78	90	0.0	0	0	2
30/06/12	4	11	20	39	73	92	0.0	0	1	5
Average	4.1	10.4	17.6	51.5	75.7	90.7		0.0	1.2	4.0
Maximum	12.6	14.2	22.6	86.0	90.9	95.0	16.6	0.0	3.1	6.3
Minimum	-3.7	4.9	11.6	35.0	66.0	84.0	0.0	0.0	0.2	1.3
Total							37.4			

Daily Summary

July 2012

Sunnyside Weather Station

Date	Min Temp (°C)	Ave Temp (°C)	Max Temp (°C)	Min RH (%)	Ave RH (%)	Max RH (%)	Rain (mm)	Min WS (m/s)	Ave WS (m/s)	Max WS (m/s)
01/07/12	-1	8	16	38	67	88	0.0	0	1	6
02/07/12	-2	6	14	51	74	91	0.0	0	1	6
03/07/12	-1	8	15	45	69	91	0.0	0	1	5
04/07/12	-3	6	15	45	72	90	0.0	0	0	2
05/07/12	2	9	16	49	69	91	0.0	0	2	5
06/07/12	5	10	16	52	71	85	0.0	0	2	6
07/07/12	3	10	18	36	67	90	0.0	0	2	4
08/07/12	5	11	18	36	64	81	0.0	0	1	2
09/07/12	6	12	19	35	61	82	0.0	0	1	3
10/07/12	9	14	20	49	69	88	3.4	0	2	4
11/07/12	11	14	19	68	86	93	20.8	0	0	4
12/07/12	11	14	16	90	92	93	20.4	0	0	0
13/07/12	12	15	16	93	93	94	15.6	0	0	3
14/07/12	10	12	15	68	88	93	3.8	0	0	6
15/07/12	2	9	15	49	79	93	0.2	0	1	4
16/07/12	-1	7	17	47	76	91	0.2	0	0	1
17/07/12	2	11	20	44	72	91	0.2	0	0	2
18/07/12	-2	8	19	34	69	91	3.0	0	1	6
19/07/12	-2	6	18	34	68	90	0.0	0	0	1
20/07/12	-2	8	19	33	66	89	0.0	0	0	1
Average	3.2	10.0	17.1	49.8	73.6	89.8	67.6	0.0	0.9	3.6
Maximum	12.2	14.9	20.0	93.0	93.0	94.0	20.8	0.0	2.5	6.3
Minimum	-3.4	5.7	14.1	33.0	60.9	81.0	0.0	0.0	0.0	0.0
Total	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6

*Weather station malfunction

Daily Summary August 2012 Sunnyside Weather Station

Date	Min Temp (°C)	Ave Temp (°C)	Max Temp (°C)	Min RH (%)	Ave RH (%)	Max RH (%)	Rain (mm)	Min WS (m/s)	Ave WS (m/s)	Max WS (m/s)
09/08/12	3	11	16	44	55	76	0.0	0	1	5
10/08/12	3	9	15	39	58	80	0.0	0	5	8
11/08/12	4	10	17	43	61	83	0.0	0	2	5
12/08/12	5	11	17	43	62	79	0.0	0	2	6
13/08/12	3	11	20	39	66	89	0.0	0	1	3
14/08/12	0	9	21	33	69	91	0.0	0	1	4
15/08/12	1	10	23	28	62	88	0.0	0	2	8
16/08/12	1	10	21	31	61	86	0.0	0	1	5
17/08/12	0	10	21	29	59	90	0.0	0	4	10
18/08/12	1	9	17	41	59	80	0.0	0	3	7
19/08/12	2	9	19	35	65	89	0.0	0	0	2
20/08/12	-1	8	19	33	66	90	0.0	0	0	3
21/08/12	2	12	22	40	63	83	0.0	0	1	5
22/08/12	10	16	24	46	71	90	2.2	0	2	7
23/08/12	10	17	24	46	74	92	6.8	0	1	10
24/08/12	3	12	20	34	65	92	0.2	0	1	5
25/08/12	2	11	20	38	65	88	0.0	0	1	4
26/08/12	2	10	18	37	63	92	0.0	0	1	5
27/08/12	-1	9	21	31	64	90	0.0	0	0	3
28/08/12	2	12	21	40	67	89	0.0	0	1	5
29/08/12	3	14	24	40	66	90	0.0	0	2	8
30/08/12	9	16	23	30	54	84	0.0	0	3	7
31/08/12	2	9	18	30	57	84	0.0	0	2	7
Average	2.8	11.1	20.0	37	63	87	0.0	0.0	1.5	5.7
Maximum	10.3	16.7	24.2	46.0	74.1	92.0	6.8	0.0	4.7	10.3
Minimum	-0.7	7.8	15.0	28.0	54.0	76.0	0.0	0.0	0.3	2.2
Total	0.0	0.0	0.0	0.0	0.0	0.0	9.2	0.0	0.0	0.0

**Weather station malfunction*

Daily Summary September 2012 Sunnyside Weather Station

Date	Min Temp (°C)	Ave Temp (°C)	Max Temp (°C)	Min RH (%)	Ave RH (%)	Max RH (%)	Rain (mm)	Min WS (m/s)	Ave WS (m/s)	Max WS (m/s)
01/09/12	8.5	20.9	17.2	25.0	57.2	85.0	0.0	0	1.2	3.6
02/09/12	10.1	23.3	20.9	28.0	62.4	90.0	0.0	0	0.3	2.2
03/09/12	11.4	24.8	23.3	25.0	59.2	89.0	0.0	0	0.3	2.2
04/09/12	14.2	24.2	24.8	25.0	56.6	87.0	0.0	0	0.3	2.7
05/09/12	18.3	25.4	24.2	33.0	53.1	88.0	0.0	0	3.3	9.4
06/09/12	11.9	23.2	25.4	35.0	51.8	80.0	0.0	0	4.9	10.3
07/09/12	9.8	20.7	23.2	28.0	56.4	90.0	0.0	0	2.7	9.8
08/09/12	10.7	21.8	20.7	34.0	60.9	88.0	0.0	0	1.8	7.6
09/09/12	15.2	24.6	21.8	32.0	63.6	89.0	0.0	0	0.4	3.1
10/09/12	15.7	26.3	24.6	37.0	59.3	81.0	0.0	0	0.8	4.0
11/09/12	16.5	26.7	26.3	34.0	63.7	88.0	0.0	0	0.4	2.2
12/09/12	14.2	27.2	26.7	32.0	60.0	84.0	0.0	0	1.7	7.2
13/09/12	12.2	19.8	27.2	29.0	63.6	85.0	0.0	0	4.5	12.1
14/09/12	12.2	22.5	19.8	23.0	48.8	87.0	0.0	0	2.1	6.3
15/09/12	14.8	23.7	22.5	30.0	54.5	86.0	0.0	0	0.7	4.0
16/09/12	15.1	24.2	23.7	37.0	59.1	80.0	0.0	0	1.2	5.4
17/09/12	14.9	23.9	24.2	39.0	63.9	89.0	0.0	0	1.5	5.4
18/09/12	14.3	24.5	23.9	43.0	71.6	90.0	3.8	0	0.9	7.6
19/09/12	17.2	29.5	24.5	31.0	67.0	91.0	0.0	0	0.8	5.4
20/09/12	19.5	27.8	29.5	26.0	53.9	89.0	0.0	0	0.4	2.2
21/09/12	15.6	26.1	27.8	36.0	55.8	73.0	0.2	0	2.0	9.4
22/09/12	16.2	29.7	26.1	24.0	51.5	87.0	0.0	0	0.7	4.5
23/09/12	17.2	24.1	29.7	22.0	52.5	85.0	0.0	0	0.5	2.2
24/09/12	15.5	27.2	24.1	25.0	43.3	77.0	0.0	0	2.9	6.3
25/09/12	17.5	26.6	27.2	20.0	47.9	79.0	0.0	0	1.3	4.9
26/09/12	18.5	28.0	26.6	31.0	56.8	75.0	0.0	0	0.8	3.1
27/09/12	21.1	30.1	28.0	38.0	60.4	86.0	0.0	0	0.7	4.0
28/09/12	17.6	23.7	30.1	34.0	54.7	85.0	0.0	0	2.8	8.5
29/09/12	13.0	20.8	23.7	44.0	68.9	92.0	14.2	0	4.2	8.0
30/09/12	11.3	11.3	20.8	25.0	49.6	90.0	0.0	0	1.1	4.5
Average	14.7	24.4	24.6	31	58	86		0.0	1.6	5.6
Maximum	21.1	30.1	30.1	44.0	71.6	92.0	14.2	0.0	4.9	12.1
Minimum	8.5	11.3	17.2	20.0	43.3	73.0	0.0	0.0	0.3	2.2
Total							18.2			

Daily Summary October 2012 Sunnyside Weather Station

Date	Min Temp (°C)	Ave Temp (°C)	Max Temp (°C)	Min RH (%)	Ave RH (%)	Max RH (%)	Rain (mm)	Min WS (m/s)	Ave WS (m/s)	Max WS (m/s)
01/10/12	2.1	14.2	24.0	29.0	53.3	89.0	0.0	0.0	0.6	2.7
02/10/12	9.9	16.8	23.6	29.0	53.0	78.0	0.0	0.0	2.1	4.0
03/10/12	8.9	17.4	27.4	29.0	55.1	80.0	0.0	0.0	0.4	2.2
04/10/12	6.8	17.9	29.9	26.0	56.5	88.0	0.0	0.0	0.8	3.6
05/10/12	9.2	21.0	33.6	23.0	48.9	79.0	0.0	0.0	1.3	5.8
06/10/12	11.6	23.1	33.4	20.0	40.8	71.0	0.0	0.0	2.2	7.6
07/10/12	12.2	19.3	26.3	19.0	38.9	65.0	0.0	0.0	2.6	5.4
08/10/12	10.1	16.9	26.7	21.0	45.5	69.0	0.0	0.0	1.8	4.9
09/10/12	5.9	16.4	25.7	27.0	44.8	73.0	0.0	0.0	1.4	5.4
10/10/12	5.7	18.5	30.2	22.0	45.6	82.0	0.0	0.0	1.7	6.3
11/10/12	3.8	13.5	18.8	36.0	60.4	85.0	0.0	0.0	1.8	6.3
12/10/12	2.7	9.4	16.8	43.0	67.7	89.0	0.0	0.0	3.0	10.3
13/10/12	0.8	12.5	23.1	26.0	55.5	92.0	0.0	0.0	1.5	4.9
14/10/12	2.9	14.5	23.7	27.0	51.5	86.0	0.0	0.0	0.9	3.6
15/10/12	8.6	17.4	28.3	22.0	50.3	78.0	0.0	0.0	0.8	2.7
16/10/12	5.6	18.5	30.3	26.0	50.3	79.0	0.0	0.0	1.2	4.5
17/10/12	10.1	23.2	34.3	16.0	39.9	79.0	0.0	0.0	3.2	7.2
18/10/12	5.9	21.0	34.6	21.0	41.7	81.0	0.0	0.0	1.0	4.5
19/10/12	11.0	21.6	31.6	28.0	49.9	73.0	0.0	0.0	0.9	4.5
20/10/12	12.5	24.4	36.0	12.0	37.3	74.0	0.0	0.0	2.7	9.8
21/10/12	11.2	18.8	30.9	25.0	54.9	87.0	0.0	0.0	0.8	10.3
22/10/12	9.6	17.7	27.3	17.0	51.8	91.0	0.0	0.0	4.2	9.4
23/10/12	10.1	16.8	24.3	24.0	43.9	62.0	0.0	0.0	3.9	9.4
24/10/12	8.8	18.0	29.9	19.0	43.0	71.0	0.0	0.0	1.0	4.0
25/10/12	6.5	20.2	32.7	22.0	42.8	69.0	0.0	0.0	1.8	5.4
26/10/12	12.3	22.0	31.6	23.0	43.4	78.0	0.0	0.0	2.3	9.4
27/10/12	11.3	23.8	33.1	22.0	39.8	81.0	0.0	0.0	0.8	3.1
Average	8.0	18.3	28.4	24.2	48.4	78.9	0.0	0.0	1.7	5.8
Maximum	12.5	24.4	36.0	43.0	67.7	92.0	0.0	0.0	4.2	10.3
Minimum	0.8	9.4	16.8	12.0	37.3	62.0	0.0	0.0	0.4	2.2
Total							0.0			

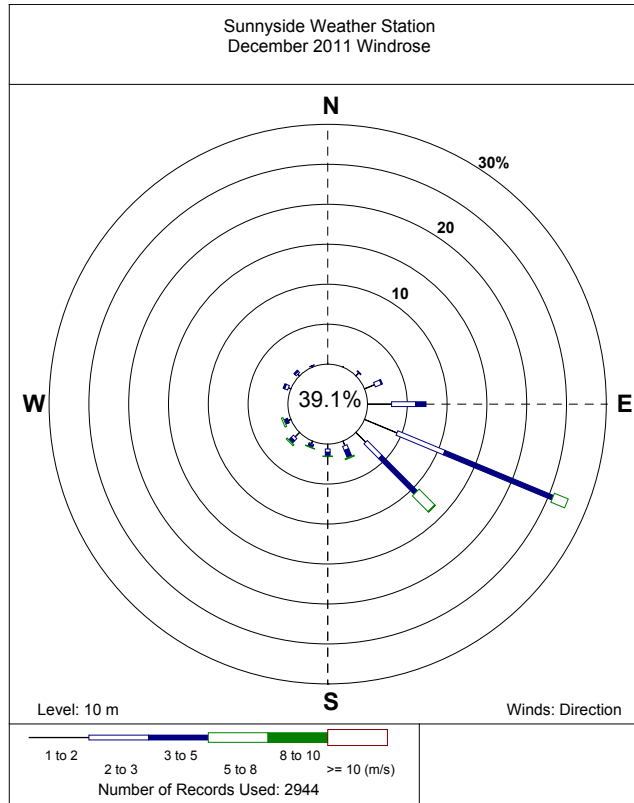
*Weather station malfunction

Daily Summary November 2012 Sunnyside Weather Station

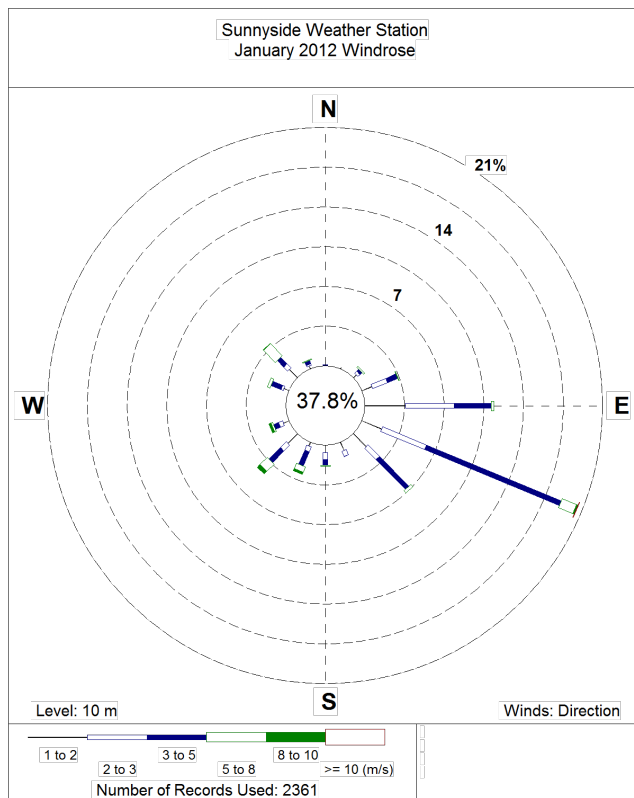
Date	Min Temp (°C)	Ave Temp (°C)	Max Temp (°C)	Min RH (%)	Ave RH (%)	Max RH (%)	Rain (mm)	Min WS (m/s)	Ave WS (m/s)	Max WS (m/s)
01/11/12	10.9	24.0	35.3	22.0	42.3	75.0	0.0	0.0	3.6	11.2
02/11/12	11.7	21.4	29.8	19.0	35.8	59.0	0.0	0.0	2.7	7.2
03/11/12	13.7	19.8	25.6	39.0	49.4	63.0	0.0	0.0	2.8	5.4
04/11/12	15.9	22.4	31.1	32.0	50.2	68.0	0.0	0.0	0.8	3.6
05/11/12	13.4	24.1	33.6	27.0	49.1	80.0	0.0	0.0	0.7	3.1
06/11/12	19.6	26.9	34.6	25.0	42.4	64.0	0.0	0.0	1.2	4.9
07/11/12	17.3	25.1	33.3	28.0	47.6	75.0	0.0	0.0	3.5	8.5
08/11/12	18.1	23.6	32.3	35.0	63.3	86.0	0.4	0.0	2.0	8.0
09/11/12	18.4	22.3	29.2	37.0	65.8	91.0	0.6	0.0	1.1	5.4
10/11/12	14.6	20.2	26.0	37.0	53.4	70.0	0.0	0.0	3.0	6.7
11/11/12	12.8	19.7	27.2	27.0	47.4	71.0	0.0	0.4	2.7	4.5
12/11/12	11.2	21.1	32.0	22.0	43.6	70.0	0.0	0.0	0.8	2.7
13/11/12	11.6	23.5	34.4	23.0	43.3	66.0	0.4	0.0	1.5	7.6
14/11/12	17.1	26.4	35.7	22.0	42.0	74.0	0.0	0.0	3.0	8.0
15/11/12	13.1	26.2	36.7	16.0	39.6	85.0	0.0	0.0	1.6	5.4
16/11/12	16.5	22.7	29.3	23.0	44.1	86.0	0.4	0.0	2.6	8.9
17/11/12	14.3	22.2	32.6	28.0	58.8	85.0	0.0	0.0	3.2	8.0
18/11/12	15.0	23.1	31.9	19.0	49.1	87.0	6.8	0.0	2.3	6.7
19/11/12	9.1	21.2	28.8	18.0	36.2	75.0	0.0	0.0	3.1	9.4
20/11/12	13.4	20.3	28.1	34.0	51.0	69.0	0.0	0.9	4.3	8.5
21/11/12	13.3	22.8	33.8	24.0	45.5	69.0	0.0	0.0	1.1	4.0
22/11/12	14.7	25.2	37.6	17.0	43.5	66.0	0.0	0.0	3.0	7.6
23/11/12	16.7	24.7	34.1	28.0	52.1	72.0	0.0	0.0	3.5	6.7
24/11/12	19.4	26.4	36.2	25.0	50.3	70.0	0.0	0.0	2.6	5.4
25/11/12	17.5	27.4	36.3	29.0	49.2	79.0	0.0	0.0	1.5	7.6
26/11/12	18.7	27.7	37.2	29.0	50.4	85.0	0.0	0.0	2.0	8.9
27/11/12	19.3	24.6	32.1	39.0	66.9	90.0	0.2	0.0	0.8	4.0
28/11/12	19.0	27.5	35.9	31.0	55.5	87.0	1.8	0.0	1.4	7.6
29/11/12	17.9	27.2	38.1	30.0	62.1	92.0	4.4	0.0	0.6	3.6
30/11/12	19.8	31.0	40.2	26.0	46.5	81.0	0.0	0.0	1.0	4.5
Average	15.5	24.0	33.0	27.0	49.2	76.3		0.0	2.1	6.5
Maximum	19.8	31.0	40.2	39.0	66.9	92.0	6.8	0.9	4.3	11.2
Minimum	9.1	19.7	25.6	16.0	35.8	59.0	0.0	0.0	0.6	2.7
Total							15.0			

Sunnyside Wind Roses

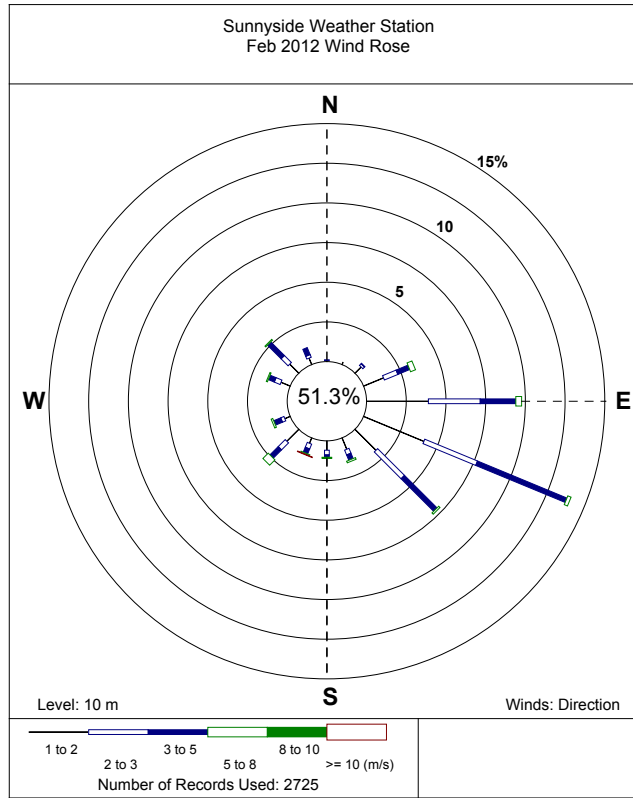
December 2011



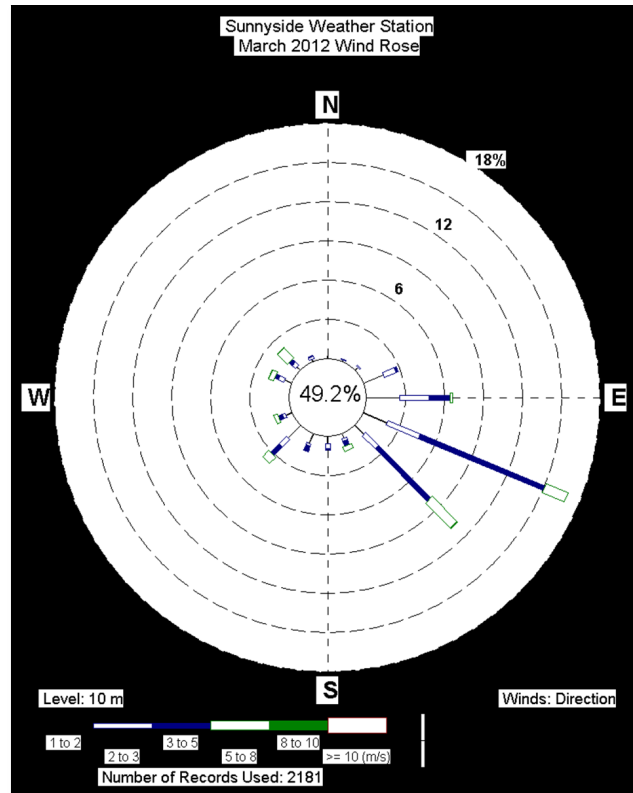
January 2012



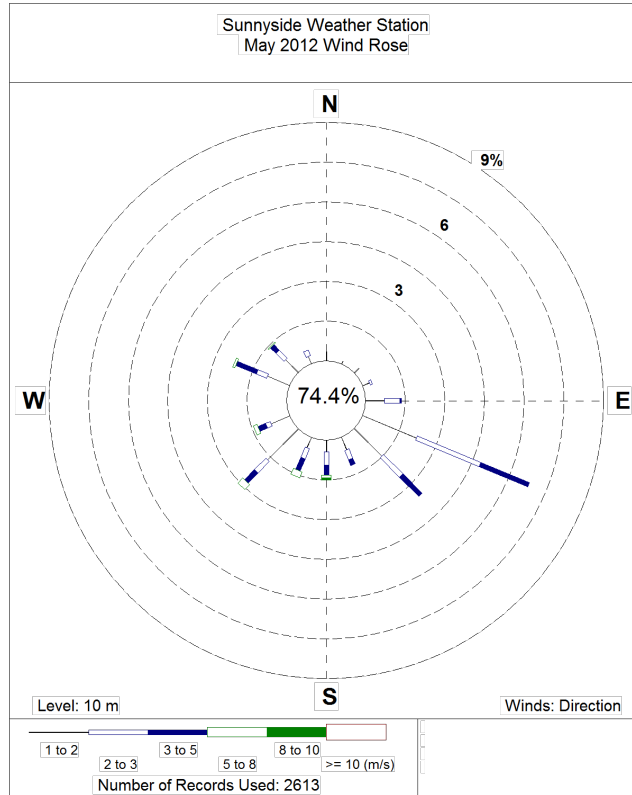
February 2012



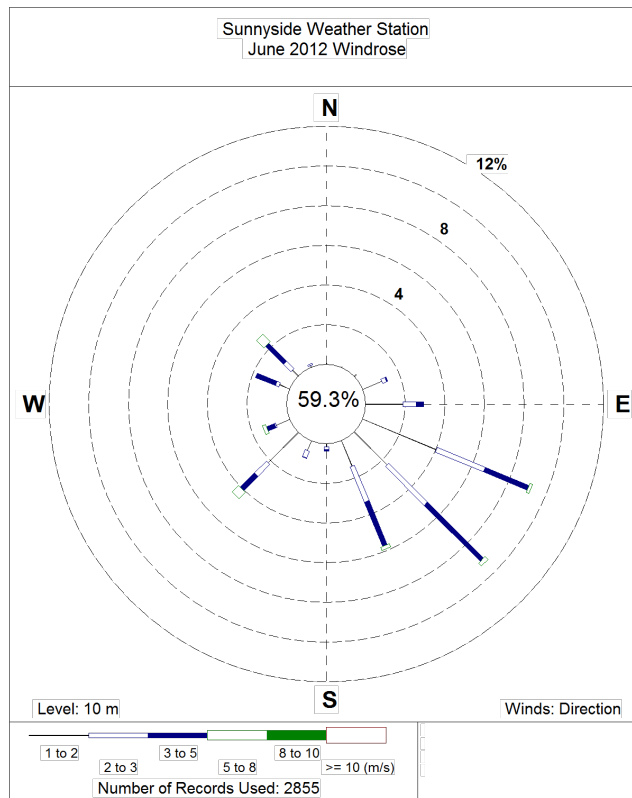
March 2012



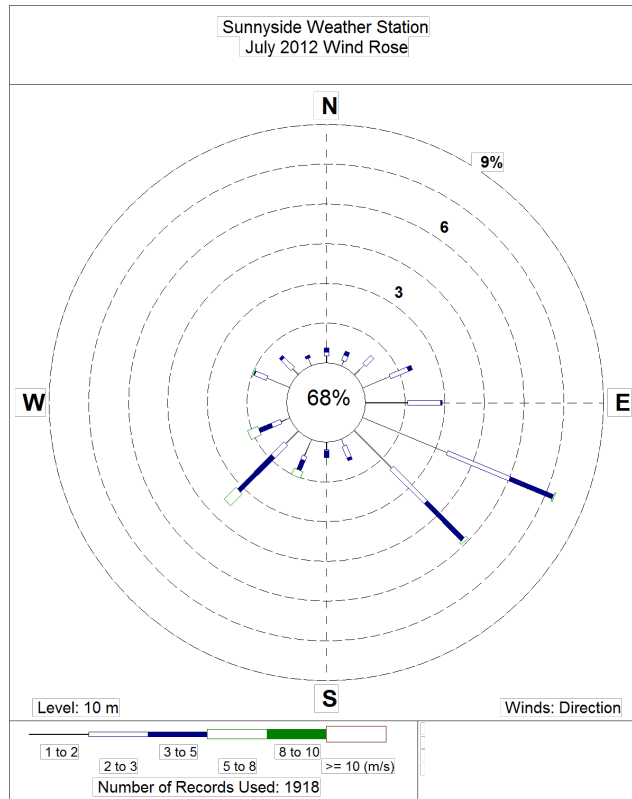
May 2012



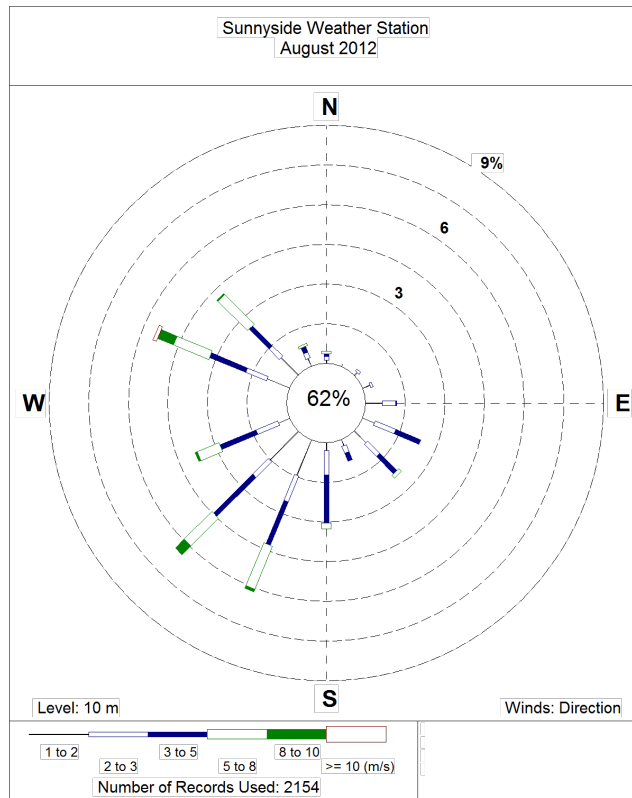
June 2012



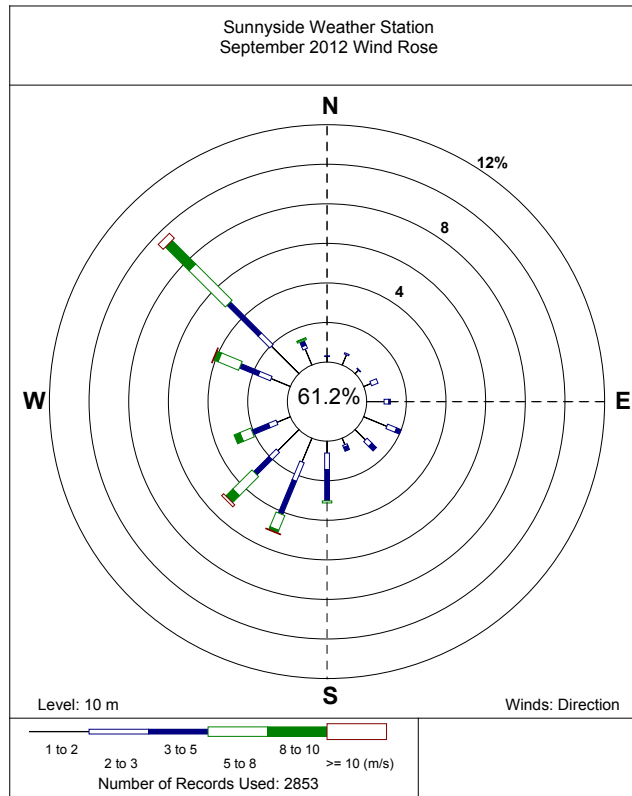
July 2012



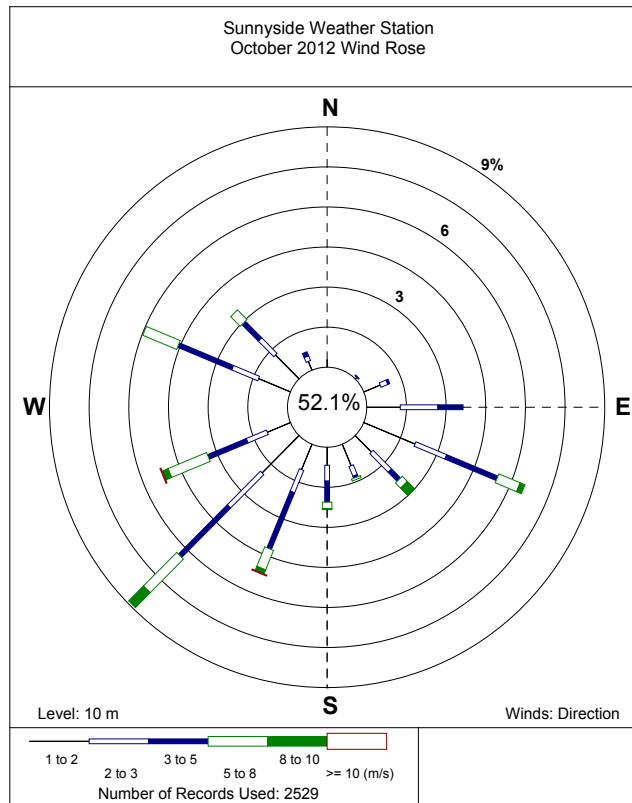
August 2012



September 2012



October 2012



November 2012

