

## Appendix I

**Parameter used to calculate emission factor from different dust sources**

<i>Dust Source</i>	<b>Coal face</b>	<b>External Overburden</b>	<b>Internal Overburden</b>	<b>Coal Stock</b>	<b>Haul Road</b>	<b>Coal handling Plant</b>
<i>Parameter</i>						
<b>m</b>	1.4	1.4	1.2	1.8	3.1	1.7
<b>s</b>	15.4	18.2	16.3	12.4	14.8	12.3
<b>h</b>	2	-	-	-	-	-
<b>u</b>	1.2	1.2	1.2	1.2	1.2	1.2
<b>l</b>	170	-	-	170	-	-
<b>v</b>	-	-	-	-	5	-
<b>f</b>	-	-	-	-	0	-
<b>c</b>	-	60	60	60	60	-
<b>x</b>	10	-	-	10	-	-
<b>y</b>	-	10	10	10	-	-
<b>a</b>	-	17 x 10 <sup>4</sup>	30 x 10 <sup>4</sup>	-	-	5 x 10 <sup>4</sup>

## Appendix II

### Hourly Surface Meteorological Data for the month of January 2013

Hourly Surface File Maker (SAMSON Format)

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Filter:  Show All Days  Specify Days

Hour: Start: 01:00 End: 24:00

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22	23
24	25	26	27	28	29	30	31				

Day Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/hm <sup>2</sup> )
1	3	14	87	981	0	0.3	3000	0	4880
2	3	14	87	981	0	0.3	3000	0	4880
3	3	14	87	981	0	0.3	3000	0	4880
4	3	14	87	981	0	0.3	3000	0	4880
5	3	17	69	981	45	0.3	3000	0	4880
6	3	17	69	981	45	0.3	3000	0	4880
7	3	17	69	981	45	0.3	3000	0	4880
8	3	24	38	981	0	0.6	3000	0	4880
9	3	24	38	981	0	0.6	3000	0	4880
10	3	24	38	981	0	0.6	3000	0	4880
11	3	28	26	981	90	0.6	3000	0	4880
12	3	28	26	981	90	0.6	3000	0	4880
13	3	28	26	981	90	0.6	3000	0	4880
14	3	25	45	981	0	0.6	3000	0	4880
15	3	25	45	981	0	0.6	3000	0	4880
16	3	25	45	981	0	0.3	3000	0	4880
17	3	23	50	981	45	0.3	3000	0	4880

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
1	18	3	23	50	981	45	0.3	3000	0	4880
1	19	3	23	50	981	45	0.3	3000	0	4880
1	20	3	20	71	981	0	0.3	3000	0	4880
1	21	3	20	71	981	0	0.3	3000	0	4880
1	22	3	20	71	981	0	0.3	3000	0	4880
1	23	3	20	74	981	0	0.3	3000	0	4880
1	24	3	20	74	981	0	0.3	3000	0	4880
2	1	4	19	74	981	0	0.3	3000	0	4210
2	2	4	19	76	981	0	0.3	3000	0	4210
2	3	4	19	76	981	0	0.3	3000	0	4210
2	4	4	19	76	981	0	0.3	3000	0	4210
2	5	4	21	70	981	0	0.6	3000	0	4210
2	6	4	21	70	981	0	0.6	3000	0	4210
2	7	4	21	70	981	0	0.6	3000	0	4210
2	8	4	28	41	981	225	0.6	3000	0	4210
2	9	4	28	41	981	225	0.8	3000	0	4210
2	10	4	28	41	981	225	0.8	3000	0	4210

Taskbar with icons for applications like Internet Explorer, Firefox, Chrome, and various utility programs.

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear

Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2	11			4				28			
2	12			4				28			
2	13			4				28			
2	14			4				24			
2	15			4				24			
2	16			4				24			
2	17			4				23			
2	18			4				23			
2	19			4				23			
2	20			4				22			
2	21			4				22			
2	22			4				22			
2	23			4				21			
2	24			4				21			
3	1			7				21			
3	2			7				21			
3	3			7				21			

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
3	4	7	21	92	980	0	0.3	3000	0	2200
3	5	7	21	84	980	225	0.6	3000	0	2200
3	6	7	21	84	980	225	0.6	3000	0	2200
3	7	7	21	84	980	225	0.6	3000	0	2200
3	8	7	24	52	980	315	0.8	3000	0	2200
3	9	7	24	52	980	315	0.8	3000	0	2200
3	10	7	24	52	980	315	0.8	3000	0	2200
3	11	7	26	36	980	225	1.1	3000	0	2200
3	12	7	26	36	980	225	1.1	3000	0	2200
3	13	7	26	36	980	225	1.7	3000	0	2200
3	14	7	24	60	980	0	1.7	3000	0	2200
3	15	7	24	60	980	0	1.7	3000	0	2200
3	16	7	24	60	980	0	1.4	3000	0	2200
3	17	7	20	71	980	0	0.8	3000	0	2200
3	18	7	20	71	980	0	0.6	3000	0	2200
3	19	7	20	71	980	0	0.6	3000	0	2200
3	20	7	18	91	980	0	0.6	3000	0	2200

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
3	21	7	18	91	980	0	0.3	3000	0	2200
3	22	7	18	91	980	0	0.3	3000	0	2200
3	23	7	17	91	980	0	0.3	3000	0	2200
3	24	7	17	91	980	0	0.3	3000	0	2200
4	1	3	15	91	982	0	0.3	3000	0	4780
4	2	3	15	92	982	0	0.3	3000	0	4780
4	3	3	15	92	982	0	0.3	3000	0	4780
4	4	3	15	92	982	0	0.3	3000	0	4780
4	5	3	16	92	982	0	0.3	3000	0	4780
4	6	3	16	92	982	45	0.3	3000	0	4780
4	7	3	16	92	982	45	0.3	3000	0	4780
4	8	3	23	92	982	315	0.3	3000	0	4780
4	9	3	23	92	982	315	0.3	3000	0	4780
4	10	3	23	92	982	315	0.3	3000	0	4780
4	11	3	26	92	982	0	0.6	3000	0	4780
4	12	3	26	92	982	0	0.6	3000	0	4780
4	13	3	26	92	982	0	0.6	3000	0	4780

Windows taskbar showing icons for Internet Explorer, Firefox, Google Chrome, Sublime Text, Harvest, Word App, Word 3.0, Word Reference, Word P2, Paper, Char, Paper, A.m., Asse, valid, Char, AER, AER, AER, and system tray with date 11-5-9.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear

Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
4	14	3	24	46	982	0	0.3	3000	0	4780
4	15	3	24	46	982	0	0.3	3000	0	4780
4	16	3	24	46	982	0	0.3	3000	0	4780
4	17	3	20	65	982	0	0.3	3000	0	4780
4	18	3	20	65	982	0	0.6	3000	0	4780
4	19	3	20	65	982	0	0.3	3000	0	4780
4	20	3	18	90	982	0	0.3	3000	0	4780
4	21	3	18	90	982	0	0.3	3000	0	4780
4	22	3	18	90	982	0	0.3	3000	0	4780
4	23	3	17	94	982	0	0.3	3000	0	4780
4	24	3	17	94	982	0	0.3	3000	0	4780
5	1	3	15	94	983	0	0.3	3000	0	4740
5	2	3	15	96	983	0	0.3	3000	0	4740
5	3	3	15	96	983	0	0.3	3000	0	4740
5	4	3	15	96	983	0	0.3	3000	0	4740
5	5	3	16	76	983	45	0.3	3000	0	4740
5	6	3	16	76	983	45	0.3	3000	0	4740

Windows taskbar with icons for Internet Explorer, Firefox, Google Chrome, Sublime Text, Harvest, Word Application, Word 3.0, Word Reference, Word P2, Paper, Character, Paper, A.m., Asse, valid, Char, AER, AER, and system clock showing 12:00.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
5	7	3	16	76	983	45	0.6	3000	0	4740
5	8	3	23	50	983	45	0.6	3000	0	4740
5	9	3	23	50	983	45	1.1	3000	0	4740
5	10	3	23	50	983	0	1.1	3000	0	4740
5	11	3	26	32	983	0	1.1	3000	0	4740
5	12	3	26	32	983	0	1.1	3000	0	4740
5	13	3	26	32	983	0	1.1	3000	0	4740
5	14	3	24	24	983	0	0.8	3000	0	4740
5	15	3	24	24	983	0	0.8	3000	0	4740
5	16	3	24	24	983	0	0.8	3000	0	4740
5	17	3	19	65	983	0	0.3	3000	0	4740
5	18	3	19	65	983	0	0.3	3000	0	4740
5	19	3	19	65	983	0	0.3	3000	0	4740
5	20	3	16	87	983	0	0.3	3000	0	4740
5	21	3	16	87	983	0	0.3	3000	0	4740
5	22	3	16	87	983	0	0.3	3000	0	4740
5	23	3	15	96	983	0	0.3	3000	0	4740

Windows taskbar showing icons for Internet Explorer, Firefox, Google Chrome, Sublime Text, Harvest, Word Application, Word 3.0, Word Reference, Word P2, Paper, Character, Paper, A.m., Asse, valid, Char, AER, AER, AER, and system clock at 12:00.

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
5	24	3	15	96	983	0	0.3	3000	0	4740
6	1	3	13	96	982	0	0.3	3000	0	4560
6	2	3	13	83	982	0	0.3	3000	0	4560
6	3	3	13	83	982	0	0.3	3000	0	4560
6	4	3	13	83	982	0	0.3	3000	0	4560
6	5	3	15	78	982	0	0.6	3000	0	4560
6	6	3	15	78	982	0	0.6	3000	0	4560
6	7	3	15	78	982	0	0.6	3000	0	4560
6	8	3	24	64	982	45	0.8	3000	0	4560
6	9	3	24	64	982	45	0.8	3000	0	4560
6	10	3	24	64	982	45	0.8	3000	0	4560
6	11	3	27	63	982	0	1.1	3000	0	4560
6	12	3	27	63	982	0	1.1	3000	0	4560
6	13	3	27	63	982	0	1.1	3000	0	4560
6	14	3	24	73	982	0	0.6	3000	0	4560
6	15	3	24	73	982	0	0.6	3000	0	4560
6	16	3	24	73	982	0	0.6	3000	0	4560

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
6	17	3	21	87	982	0	0.3	3000	0	4560
6	18	3	21	87	982	0	0.3	3000	0	4560
6	19	3	21	87	982	0	0.3	3000	0	4560
6	20	3	18	88	982	0	0.3	3000	0	4560
6	21	3	18	88	982	0	0.3	3000	0	4560
6	22	3	18	88	982	0	0.3	3000	0	4560
6	23	3	15	86	982	0	0.3	3000	0	4560
6	24	3	15	86	982	0	0.3	3000	0	4560
7	1	3	17	86	981	0	0.3	3000	0	4650
7	2	3	17	87	981	45	0.3	3000	0	4650
7	3	3	17	87	981	45	0.3	3000	0	4650
7	4	3	17	87	981	45	0.3	3000	0	4650
7	5	3	18	82	981	45	0.6	3000	0	4650
7	6	3	18	82	981	45	0.6	3000	0	4650
7	7	3	18	82	981	45	0.6	3000	0	4650
7	8	3	23	60	981	315	0.8	3000	0	4650
7	9	3	23	60	981	315	0.8	3000	0	4650

Windows taskbar with icons for Internet Explorer, Firefox, Google Chrome, Sublime Text, Harvest, Word Application, Word 3.0, Word Reference, Word P2, Paper, Character, Paper, A.m., Asse, valid, Char, AER, AER, and system clock showing 12:01.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear

Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
7	10	3	23	60	981	315	0.8	3000	0	4650
7	11	3	24	49	981	45	0.8	3000	0	4650
7	12	3	24	49	981	45	0.8	3000	0	4650
7	13	3	24	49	981	45	1.1	3000	0	4650
7	14	3	23	57	981	0	1.1	3000	0	4650
7	15	3	23	57	981	0	1.1	3000	0	4650
7	16	3	23	57	981	0	1.1	3000	0	4650
7	17	3	20	77	981	0	1.1	3000	0	4650
7	18	3	20	77	981	0	1.1	3000	0	4650
7	19	3	20	77	981	0	0.6	3000	0	4650
7	20	3	19	70	981	0	0.6	3000	0	4650
7	21	3	19	70	981	0	0.6	3000	0	4650
7	22	3	19	70	981	0	0.6	3000	0	4650
7	23	3	18	66	981	0	0.6	3000	0	4650
7	24	3	18	66	981	0	0.6	3000	0	4650
8	1	4	19	66	981	0	0.6	3000	0	4530
8	2	4	19	67	981	0	0.6	3000	0	4530

Windows taskbar showing icons for Internet Explorer, Firefox, Google Chrome, Sublime Text, Harvest, Word Application, Word 3.0, Word Reference, Word P2, Paper, Character, Paper, A.m., Asse, valid, Char, AER, AER, AER, and system tray with date 12/01.

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear

Apply

Filter

Show All Days

Specify Days

Hour

Start: 01:00

End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
8	3	4	19	67	981	0	0.6	3000	0	4530
8	4	4	19	67	981	0	1.1	3000	0	4530
8	5	4	19	40	981	0	1.1	3000	0	4530
8	6	4	19	40	981	0	1.1	3000	0	4530
8	7	4	19	40	981	0	1.1	3000	0	4530
8	8	4	24	11	981	270	1.4	3000	0	4530
8	9	4	24	11	981	270	1.7	3000	0	4530
8	10	4	24	11	981	270	1.7	3000	0	4530
8	11	4	26	4	981	225	1.9	3000	0	4530
8	12	4	26	4	981	225	1.9	3000	0	4530
8	13	4	26	4	981	225	1.9	3000	0	4530
8	14	4	23	8	981	270	1.4	3000	0	4530
8	15	4	23	8	981	270	1.4	3000	0	4530
8	16	4	23	8	981	270	1.4	3000	0	4530
8	17	4	19	37	981	270	1.1	3000	0	4530
8	18	4	19	37	981	270	1.1	3000	0	4530
8	19	4	19	37	981	270	1.1	3000	0	4530

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
8	20	4	17	51	981	270	0.8	3000	0	4530
8	21	4	17	51	981	270	0.8	3000	0	4530
8	22	4	17	51	981	270	0.8	3000	0	4530
8	23	4	14	60	981	270	0.8	3000	0	4530
8	24	4	14	60	981	270	0.8	3000	0	4530
9	1	3	11	60	981	270	0.6	3000	0	4910
9	2	3	11	60	981	270	0.6	3000	0	4910
9	3	3	11	60	981	270	0.6	3000	0	4910
9	4	3	11	60	981	270	0.6	3000	0	4910
9	5	3	14	46	981	315	0.6	3000	0	4910
9	6	3	14	46	981	315	0.6	3000	0	4910
9	7	3	14	46	981	315	0.6	3000	0	4910
9	8	3	22	13	981	45	0.3	3000	0	4910
9	9	3	22	13	981	45	0.3	3000	0	4910
9	10	3	22	13	981	45	0.3	3000	0	4910
9	11	3	26	11	981	315	0.3	3000	0	4910
9	12	3	26	11	981	315	0.3	3000	0	4910

Taskbar and Start Menu icons including Internet Explorer, Firefox, Sub..., Hars..., App..., 3.St..., Refe..., P2 - ..., Paper..., Char..., Paper..., A.m..., Asse..., valid..., Char..., AER..., AER..., AER..., and system tray icons for volume and power.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
9	13	3	26	11	981	315	0.3	3000	0	4910
9	14	3	22	24	981	270	0.3	3000	0	4910
9	15	3	22	24	981	270	0.3	3000	0	4910
9	16	3	22	24	981	270	0.3	3000	0	4910
9	17	3	15	39	981	270	0.6	3000	0	4910
9	18	3	15	39	981	270	0.6	3000	0	4910
9	19	3	15	39	981	270	0.6	3000	0	4910
9	20	3	12	45	981	270	0.6	3000	0	4910
9	21	3	12	45	981	270	0.6	3000	0	4910
9	22	3	12	45	981	270	0.6	3000	0	4910
9	23	3	10	56	981	270	0.6	3000	0	4910
9	24	3	10	56	981	270	0.6	3000	0	4910
10	1	3	10	56	978	270	0.6	3000	0	4970
10	2	3	10	80	978	270	0.3	3000	0	4970
10	3	3	10	80	978	270	0.3	3000	0	4970
10	4	3	10	80	978	270	0.3	3000	0	4970
10	5	3	12	13	978	270	0.6	3000	0	4970

Windows taskbar showing icons for Internet Explorer, Firefox, Google Chrome, Sublime Text, Harvest, Word, 3ds Max, Reference, P2, Paper, Character, Paper, A, Asse, valid, Char, AER, AER, and system clock 12:02.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
10	6	3	12	13	978	270	0.6	3000	0	4970
10	7	3	12	13	978	270	0.6	3000	0	4970
10	8	3	21	12	978	315	0.6	3000	0	4970
10	9	3	21	13	978	315	0.6	3000	0	4970
10	10	3	21	13	978	315	0.6	3000	0	4970
10	11	3	25	13	978	315	0.6	3000	0	4970
10	12	3	25	12	978	315	0.6	3000	0	4970
10	13	3	25	12	978	315	0.6	3000	0	4970
10	14	3	23	12	978	225	0.6	3000	0	4970
10	15	3	23	12	978	225	0.6	3000	0	4970
10	16	3	23	12	978	225	0.6	3000	0	4970
10	17	3	16	12	978	270	0.3	3000	0	4970
10	18	3	16	12	978	270	0.3	3000	0	4970
10	19	3	16	13	978	270	0.3	3000	0	4970
10	20	3	13	13	978	270	0.3	3000	0	4970
10	21	3	13	13	978	270	0.3	3000	0	4970
10	22	3	13	13	978	270	0.3	3000	0	4970

Taskbar and Start Menu icons including Internet Explorer, Firefox, Sub..., Hars..., App..., 3.St..., Refe..., P2 - ..., Paper..., Char..., Paper..., A.m..., Asse..., valid..., Char..., AER..., AER..., AER..., and system tray icons for volume and date (12:02).

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
10	23	3	11	64	978	270	0	3000	0	4970
10	24	3	11	64	978	270	0	3000	0	4970
11	1	4	9	64	977	270	0.3	3000	0	4410
11	2	4	9	78	977	0	0.3	3000	0	4410
11	3	4	9	78	977	0	0.3	3000	0	4410
11	4	4	9	78	977	0	0.3	3000	0	4410
11	5	4	14	64	977	0	0.6	3000	0	4410
11	6	4	14	64	977	0	0.6	3000	0	4410
11	7	4	14	64	977	0	0.6	3000	0	4410
11	8	4	23	13	977	315	1.1	3000	0	4410
11	9	4	23	13	977	315	1.1	3000	0	4410
11	10	4	23	13	977	315	1.1	3000	0	4410
11	11	4	27	8	977	315	1.1	3000	0	4410
11	12	4	27	8	977	315	1.7	3000	0	4410
11	13	4	27	8	977	315	1.7	3000	0	4410
11	14	4	23	27	977	270	0.8	3000	0	4410
11	15	4	23	27	977	270	0.8	3000	0	4410

Taskbar and Start Menu icons including Internet Explorer, Firefox, Google Chrome, Sub..., Hars..., App..., 3.St..., Refe..., P2 - ..., Paper..., Char..., Paper..., A.m..., Asse..., valid..., Char..., AER..., AER..., AER..., and system tray icons for volume, network, and clock (12:05).

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
11	16	4	23	27	977	270	0.8	3000	0	4410
11	17	4	18	41	977	270	0.6	3000	0	4410
11	18	4	18	41	977	270	0.6	3000	0	4410
11	19	4	18	41	977	270	0.6	3000	0	4410
11	20	4	14	61	977	270	0.3	3000	0	4410
11	21	4	14	61	977	270	0.3	3000	0	4410
11	22	4	14	61	977	270	0.3	3000	0	4410
11	23	4	12	67	977	270	0.3	3000	0	4410
11	24	4	12	67	977	270	0.3	3000	0	4410
12	1	4	10	67	981	270	0.3	3000	0	4770
12	2	4	10	67	981	270	0.3	3000	0	4770
12	3	4	10	67	981	270	0.3	3000	0	4770
12	4	4	10	67	981	270	0.3	3000	0	4770
12	5	4	13	61	981	0	0.3	3000	0	4770
12	6	4	13	61	981	0	0.6	3000	0	4770
12	7	4	13	61	981	0	0.6	3000	0	4770
12	8	4	23	21	981	315	1.4	3000	0	4770

Windows taskbar showing icons for Internet Explorer, Firefox, Google Chrome, Sublime Text, Harvest, Windows Explorer, 3D Studio Max, Reference, P2, Paper, Character, Paper, A, Asse, valid, Char, AER, AER, and system tray with date 12/05.

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
12	9	4	23	21	981	315	1.4	3000	0	4770
12	10	4	23	21	981	315	1.4	3000	0	4770
12	11	4	27	11	981	90	1.7	3000	0	4770
12	12	4	27	11	981	90	1.7	3000	0	4770
12	13	4	27	11	981	90	1.7	3000	0	4770
12	14	4	24	30	981	270	1.1	3000	0	4770
12	15	4	24	30	981	270	1.1	3000	0	4770
12	16	4	24	30	981	270	1.1	3000	0	4770
12	17	4	18	41	981	270	0.8	3000	0	4770
12	18	4	18	41	981	270	0.8	3000	0	4770
12	19	4	18	41	981	270	0.8	3000	0	4770
12	20	4	15	59	981	270	0.6	3000	0	4770
12	21	4	15	59	981	270	0.6	3000	0	4770
12	22	4	12	79	981	270	0.3	3000	0	4770
12	23	4	12	79	981	270	0.3	3000	0	4770
12	24	4	11	79	982	270	0.3	3000	0	4970

Windows taskbar with icons for Internet Explorer, Firefox, Google Chrome, Sublime Text, Harvest, Word, 3ds Max, Reference, P2, Paper, Character, Paper, A, Asse, valid, Char, AER, AER, AER, and system tray with clock showing 12:06.

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
13	2	3	11	87	982	270	0.3	3000	0	4970
13	3	3	11	87	982	270	0.3	3000	0	4970
13	4	3	11	87	982	270	0.3	3000	0	4970
13	5	3	16	55	982	45	0.6	3000	0	4970
13	6	3	16	55	982	45	0.6	3000	0	4970
13	7	3	16	55	982	45	0.6	3000	0	4970
13	8	3	24	26	982	45	0.6	3000	0	4970
13	9	3	24	26	982	45	0.6	3000	0	4970
13	10	3	24	26	982	45	0.6	3000	0	4970
13	11	3	28	17	982	315	0.6	3000	0	4970
13	12	3	28	17	982	315	0.6	3000	0	4970
13	13	3	28	17	982	315	0.6	3000	0	4970
13	14	3	25	34	982	90	0.6	3000	0	4970
13	15	3	25	34	982	90	0.3	3000	0	4970
13	16	3	20	51	982	270	0.3	3000	0	4970
13	17	3	20	51	982	270	0.3	3000	0	4970
13	18	3	20	51	982	270	0.3	3000	0	4970

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
13	19	3	20	51	982	270	0.3	3000	0	4970
13	20	3	17	68	982	270	0.3	3000	0	4970
13	21	3	17	68	982	270	0.3	3000	0	4970
13	22	3	17	68	982	270	0.3	3000	0	4970
13	23	3	15	79	982	270	0.3	3000	0	4970
13	24	3	15	79	982	270	0.3	3000	0	4970
14	1	3	15	79	981	270	0.3	3000	0	5050
14	2	3	13	85	981	270	0.3	3000	0	5050
14	3	3	13	85	981	270	0.3	3000	0	5050
14	4	3	13	85	981	270	0.3	3000	0	5050
14	5	3	17	66	981	315	0.6	3000	0	5050
14	6	3	17	66	981	315	0.6	3000	0	5050
14	7	3	17	66	981	315	0.6	3000	0	5050
14	8	3	25	31	981	0	0.6	3000	0	5050
14	9	3	25	31	981	0	0.6	3000	0	5050
14	10	3	25	31	981	0	0.6	3000	0	5050
14	11	3	29	23	981	90	0.6	3000	0	5050

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
14	12	3	29	23	981	90	0.6	3000	0	5050
14	13	3	29	23	981	90	0.6	3000	0	5050
14	14	3	26	31	981	135	0.6	3000	0	5050
14	15	3	26	31	981	135	0.6	3000	0	5050
14	16	3	26	31	981	135	0.3	3000	0	5050
14	17	3	22	55	981	270	0.3	3000	0	5050
14	18	3	22	55	981	270	0.3	3000	0	5050
14	19	3	22	55	981	270	0.3	3000	0	5050
14	20	3	20	67	981	270	0.3	3000	0	5050
14	21	3	20	67	981	270	0.3	3000	0	5050
14	22	3	20	67	981	270	0.3	3000	0	5050
14	23	3	17	77	981	270	0.3	3000	0	5050
14	24	3	17	77	981	270	0.3	3000	0	5050
15	1	4	17	79	981	270	0.3	3000	0	4650
15	2	4	17	79	981	270	0.3	3000	0	4650
15	3	4	17	79	981	270	0.3	3000	0	4650
15	4	4	17	79	981	270	0.3	3000	0	4650

Windows taskbar and application menu:

- Windows Start button
- Internet Explorer
- Sub...
- Har...
- App...
- 3.St...
- Ref...
- P2 - ...
- Pape...
- Char...
- Pape...
- A.m...
- Asse...
- valid...
- Char...
- AER...
- AER...
- System tray: Volume, Network, Safely Remove Hardware, Date/Time (12:08)

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
15	5	4	18	65	981	0	0.6	3000	0	4650
15	6	4	18	65	981	0	0.6	3000	0	4650
15	7	4	18	65	981	0	0.6	3000	0	4650
15	8	4	26	36	981	0	1.1	3000	0	4650
15	9	4	26	36	981	0	1.1	3000	0	4650
15	10	4	26	36	981	0	1.1	3000	0	4650
15	11	4	30	23	981	0	1.7	3000	0	4650
15	12	4	30	23	981	0	1.7	3000	0	4650
15	13	4	30	23	981	0	1.7	3000	0	4650
15	14	4	26	37	981	0	1.4	3000	0	4650
15	15	4	26	37	981	0	1.4	3000	0	4650
15	16	4	26	37	981	0	1.4	3000	0	4650
15	17	4	22	55	981	0	0.8	3000	0	4650
15	18	4	22	55	981	0	0.8	3000	0	4650
15	19	4	19	74	981	0	0.3	3000	0	4650
15	20	4	19	74	981	0	0.3	3000	0	4650
15	21	4	19	74	981	0	0.3	3000	0	4650

Windows taskbar with icons for Internet Explorer, Firefox, Google Chrome, Sublime Text, Harvest, Windows Explorer, 3D Studio Max, Reference, P2, Paper, Character, Paper, A, Asse, valid, Char, AER, AER, and system tray showing 12:08.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
15	22	4	19	74	981	270	0.3	3000	0	4650
15	23	4	17	81	981	270	0.3	3000	0	4650
15	24	4	17	81	981	270	2.8	3000	0	4650
16	1	4	17	81	981	270	0.3	3000	0	4740
16	2	4	15	91	981	0	0.3	3000	0	4740
16	3	4	15	91	981	0	0.3	3000	0	4740
16	4	4	15	91	981	0	0.3	3000	0	4740
16	5	4	18	70	981	0	0.6	3000	0	4740
16	6	4	18	70	981	0	0.6	3000	0	4740
16	7	4	18	70	981	0	0.6	3000	0	4740
16	8	4	27	35	981	270	1.1	3000	0	4740
16	9	4	27	35	981	270	1.1	3000	0	4740
16	10	4	27	35	981	270	1.1	3000	0	4740
16	11	4	28	35	981	0	1.1	3000	0	4740
16	12	4	28	35	981	0	1.7	3000	0	4740
16	13	4	28	35	981	0	1.7	3000	0	4740
16	14	4	25	37	981	0	1.7	3000	0	4740

Windows taskbar showing icons for Internet Explorer, Firefox, Google Chrome, Sublime Text, Harvest, Word, 3ds Max, Reference, P2, Paper, Character, Paper, A.m., Asse, valid, Char, AER, AER, AER, and system tray with clock 12:08.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
16	15	4	25	37	981	0	1.7	3000	0	4740
16	16	4	25	37	981	0	1.7	3000	0	4740
16	17	4	23	53	981	0	0.8	3000	0	4740
16	18	4	23	53	981	0	0.8	3000	0	4740
16	19	4	23	53	981	0	0.8	3000	0	4740
16	20	4	20	73	981	0	0.6	3000	0	4740
16	21	4	20	73	981	0	0.6	3000	0	4740
16	22	4	20	73	981	0	0.6	3000	0	4740
16	23	4	18	82	981	0	0.3	3000	0	4740
16	24	4	18	82	981	0	0.3	3000	0	4740
17	1	3	18	82	979	0	0.3	3000	0	5190
17	2	3	17	85	979	0	0.3	3000	0	5190
17	3	3	17	85	979	0	0.3	3000	0	5190
17	4	3	17	85	979	0	0.3	3000	0	5190
17	5	3	20	77	979	0	0.6	3000	0	5190
17	6	3	20	77	979	0	0.6	3000	0	5190
17	7	3	20	77	979	0	0.6	3000	0	5190

Windows taskbar showing icons for Internet Explorer, Firefox, Google Chrome, Sublime Text, Harvest, Word Application, Word 3.0, Word Reference, Word P2, Paper, Character, Paper, A.m., Asse, valid, Char, AER, AER, AER, and system tray with date 12/12.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear

Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
17	8	3	28	43	979	225	1.1	3000	0	5190
17	9	3	28	43	979	225	1.1	3000	0	5190
17	10	3	28	43	979	225	1.1	3000	0	5190
17	11	3	30	31	979	225	1.7	3000	0	5190
17	12	3	30	31	979	225	1.7	3000	0	5190
17	13	3	30	31	979	225	1.7	3000	0	5190
17	14	3	29	40	979	225	1.4	3000	0	5190
17	15	3	29	40	979	225	1.4	3000	0	5190
17	16	3	29	40	979	225	1.4	3000	0	5190
17	17	3	23	63	979	270	0.6	3000	0	5190
17	18	3	23	63	979	270	0.6	3000	0	5190
17	19	3	23	63	979	270	0.6	3000	0	5190
17	20	3	21	77	979	135	0.6	3000	0	5190
17	21	3	21	77	979	135	0.6	3000	0	5190
17	22	3	19	89	979	270	0.3	3000	0	5190
17	23	3	19	89	979	270	0.3	3000	0	5190
17	24	3	19	89	979	270	0.3	3000	0	5190

Windows taskbar showing various application icons and the system clock displaying 12:12.

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
18	1	6	19	89	978	270	0.3	3000	0	3080
18	2	6	17	85	978	0	0.3	3000	0	3080
18	3	6	17	85	978	0	0.3	3000	0	3080
18	4	6	17	85	978	0	0.3	3000	0	3080
18	5	6	20	74	978	315	0.6	3000	0	3080
18	6	6	20	74	978	315	0.6	3000	0	3080
18	7	6	20	74	978	315	0.6	3000	0	3080
18	8	6	27	48	978	0	1.1	3000	0	3080
18	9	6	27	48	978	0	1.1	3000	0	3080
18	10	6	27	48	978	0	1.1	3000	0	3080
18	11	6	30	28	978	135	1.1	3000	0	3080
18	12	6	30	28	978	135	1.1	3000	0	3080
18	13	6	30	28	978	135	1.1	3000	0	3080
18	14	6	27	27	978	0	1.1	3000	0	3080
18	15	6	27	27	978	0	1.1	3000	0	3080
18	16	6	27	27	978	0	1.1	3000	0	3080
18	17	6	22	47	978	90	1.1	3000	0	3080

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
18	18	6	22	47	978	90	1.1	3000	0	3080
18	19	6	22	47	978	90	1.1	3000	0	3080
18	20	6	19	66	978	0	0.6	3000	0	3080
18	21	6	19	66	978	0	0.6	3000	0	3080
18	22	6	19	66	978	0	0.6	3000	0	3080
18	23	6	18	73	978	0	0.6	3000	0	3080
18	24	6	18	73	978	0	0.6	3000	0	3080
19	1	3	18	73	982	0	0.6	3000	0	5190
19	2	3	15	90	982	0	0.3	3000	0	5190
19	3	3	15	90	982	0	0.3	3000	0	5190
19	4	3	15	90	982	0	0.3	3000	0	5190
19	5	3	19	63	982	0	0.6	3000	0	5190
19	6	3	19	63	982	0	0.6	3000	0	5190
19	7	3	19	63	982	0	0.8	3000	0	5190
19	8	3	26	31	982	135	1.4	3000	0	5190
19	9	3	26	31	982	135	1.4	3000	0	5190
19	10	3	26	31	982	135	1.4	3000	0	5190

Taskbar with icons for applications: Internet Explorer, Firefox, Google Chrome, Sub..., Hars..., W3 App..., W3 3.S..., W3 Refe..., W3 P2 - ..., Paper..., Char..., Paper..., A.m..., Asse..., valid..., Char..., AER..., AER..., AER..., and system tray showing 12:12.

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
19	11	3	29	22	982	225	1.9	3000	0	5190
19	12	3	29	22	982	225	1.9	3000	0	5190
19	13	3	29	22	982	225	1.9	3000	0	5190
19	14	3	27	39	982	0	1.7	3000	0	5190
19	15	3	27	39	982	0	1.7	3000	0	5190
19	16	3	27	39	982	0	1.7	3000	0	5190
19	17	3	22	56	982	270	0.8	3000	0	5190
19	18	3	22	56	982	270	0.8	3000	0	5190
19	19	3	22	56	982	270	0.8	3000	0	5190
19	20	3	19	65	982	270	0.8	3000	0	5190
19	21	3	19	65	982	270	0.8	3000	0	5190
19	22	3	19	65	982	270	0.8	3000	0	5190
19	23	3	17	63	982	270	0.8	3000	0	5190
19	24	3	17	63	982	270	0.8	3000	0	5190
20	1	3	17	63	984	270	0.8	3000	0	5360
20	2	3	17	73	984	270	0.6	3000	0	5360
20	3	3	17	73	984	270	0.6	3000	0	5360

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
20	4	3	17	73	984	270	0.6	3000	0	5360
20	5	3	18	76	984	135	0.3	3000	0	5360
20	6	3	18	76	984	135	0.3	3000	0	5360
20	7	3	18	76	984	135	0.3	3000	0	5360
20	8	3	24	48	984	135	1.1	3000	0	5360
20	9	3	24	48	984	135	1.1	3000	0	5360
20	10	3	24	48	984	135	1.1	3000	0	5360
20	11	3	28	35	984	135	1.9	3000	0	5360
20	12	3	28	35	984	135	1.9	3000	0	5360
20	13	3	28	35	984	135	1.9	3000	0	5360
20	14	3	25	51	984	0	1.4	3000	0	5360
20	15	3	25	51	984	0	1.4	3000	0	5360
20	16	3	25	51	984	0	1.4	3000	0	5360
20	17	3	21	67	984	0	1.1	3000	0	5360
20	18	3	21	67	984	0	1.1	3000	0	5360
20	19	3	21	67	984	0	1.1	3000	0	5360
20	20	3	19	83	984	0	0.6	3000	0	5360

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear

Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
20	21	3	19	83	984	0	0.6	3000	0	5360
20	22	3	19	83	984	0	0.6	3000	0	5360
20	23	3	18	87	984	0	0.3	3000	0	5360
20	24	3	18	87	984	0	0.3	3000	0	5360
21	1	3	18	87	986	0	0.3	3000	0	5290
21	2	3	16	82	986	0	0.6	3000	0	5290
21	3	3	16	82	986	0	0.6	3000	0	5290
21	4	3	16	82	986	0	0.6	3000	0	5290
21	5	3	17	70	986	0.8	0.8	3000	0	5290
21	6	3	17	70	986	315	0.8	3000	0	5290
21	7	3	17	70	986	315	0.8	3000	0	5290
21	8	3	24	43	986	0	1.1	3000	0	5290
21	9	3	24	43	986	0	1.1	3000	0	5290
21	10	3	24	43	986	0	1.1	3000	0	5290
21	11	3	27	27	986	225	1.1	3000	0	5290
21	12	3	27	27	986	225	1.1	3000	0	5290
21	13	3	27	27	986	225	1.1	3000	0	5290

Windows taskbar showing icons for Internet Explorer, Firefox, Google Chrome, Sublime Text, Harvest, Word Application, Word 3.0, Word Reference, Word P2, Paper, Character, Paper, A.m., Asse, valid, Char, AER, AER, and system tray with date 12/14.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
21	14	3	24	26	986	0	1.1	3000	0	5290
21	15	3	24	26	986	0	1.1	3000	0	5290
21	16	3	24	26	986	0	1.1	3000	0	5290
21	17	3	20	57	986	0	0.8	3000	0	5290
21	18	3	20	57	986	0	0.8	3000	0	5290
21	19	3	20	57	986	0	0.8	3000	0	5290
21	20	3	17	59	986	0	0.8	3000	0	5290
21	21	3	17	59	986	0	0.8	3000	0	5290
21	22	3	16	70	986	0	0.6	3000	0	5290
21	23	3	16	70	986	0	0.6	3000	0	5290
21	24	3	16	70	986	0	0.6	3000	0	5290
22	1	4	16	70	984	0	0.6	3000	0	4810
22	2	4	15	72	984	0	0.3	3000	0	4810
22	3	4	15	72	984	0	0.3	3000	0	4810
22	4	4	15	72	984	0	0.3	3000	0	4810
22	5	4	16	59	984	270	0.6	3000	0	4810
22	6	4	16	59	984	270	0.6	3000	0	4810

Taskbar with icons for applications: Internet Explorer, Firefox, Google Chrome, Sub..., Hars..., W3 App..., W3 3.St..., W3 Refe..., W3 P2 - ..., Paper..., Char..., Paper..., A.m..., Asse..., valid..., Char..., AER..., AER..., AER..., and system tray showing 12:14.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear

Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
22	7	4	16	59	984	270	0.6	3000	0	4810
22	8	4	23	45	984	315	0.6	3000	0	4810
22	9	4	23	45	984	315	0.6	3000	0	4810
22	10	4	23	45	984	315	0.6	3000	0	4810
22	11	4	26	20	984	270	0.6	3000	0	4810
22	12	4	26	20	984	270	0.6	3000	0	4810
22	13	4	26	20	984	270	0.3	3000	0	4810
22	14	4	23	39	984	0	0.3	3000	0	4810
22	15	4	23	39	984	0	0.3	3000	0	4810
22	16	4	23	39	984	0	0.3	3000	0	4810
22	17	4	19	54	984	0	0.6	3000	0	4810
22	18	4	19	54	984	0	0.6	3000	0	4810
22	19	4	19	54	984	0	0.6	3000	0	4810
22	20	4	16	66	984	0	0.3	3000	0	4810
22	21	4	16	66	984	0	0.3	3000	0	4810
22	22	4	16	66	984	0	0.3	3000	0	4810
22	23	4	15	75	984	45	0.3	3000	0	4810

Taskbar and Start Menu icons including Internet Explorer, Firefox, Google Chrome, Sub..., Hars..., App..., 3.St..., Refe..., P2 - ..., Paper..., Char..., Paper..., A.m..., Asse..., valid..., Char..., AER..., AER..., AER..., and system tray icons for volume and network.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
22	24	[7]	4	75	984	45	0.3	3000	0	4810
23	1		5	75	980	45	0.3	3000	0	3950
23	2		5	80	980	0	0.3	3000	0	3950
23	3		5	80	980	0	0.3	3000	0	3950
23	4		5	80	980	0	0.3	3000	0	3950
23	5		5	66	980	45	0.6	3000	0	3950
23	6		5	66	980	45	0.6	3000	0	3950
23	7		5	66	980	45	0.6	3000	0	3950
23	8		5	42	980	315	0.8	3000	0	3950
23	9		5	42	980	315	0.8	3000	0	3950
23	10		5	42	980	315	0.8	3000	0	3950
23	11		5	20	980	315	1.7	3000	0	3950
23	12		5	20	980	315	1.7	3000	0	3950
23	13		5	28	980	315	1.7	3000	0	3950
23	14		5	34	980	0	1.1	3000	0	3950
23	15		5	34	980	0	1.1	3000	0	3950
23	16		5	34	980	0	1.1	3000	0	3950

Windows taskbar with icons for Internet Explorer, Firefox, Google Chrome, Sublime Text, Harvest, Word, 3ds Max, Reference, P2, Paper, Character, Paper, A.m., Asse, valid, Character, AER, AER, AER, and system tray showing 12:14.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
23	17	5	20	53	980	0	0.8	3000	0	3950
23	18	5	20	53	980	0	0.8	3000	0	3950
23	19	5	20	53	980	0	0.8	3000	0	3950
23	20	5	16	68	980	0	0.6	3000	0	3950
23	21	5	16	68	980	0	0.6	3000	0	3950
23	22	5	16	68	980	0	0.6	3000	0	3950
23	23	5	14	73	980	0	0.3	3000	0	3950
23	24	5	14	73	980	0	0.3	3000	0	3950
24	1	4	14	73	981	0	0.3	3000	0	4610
24	2	4	13	77	981	0	0.3	3000	0	4610
24	3	4	13	77	981	0	0.3	3000	0	4610
24	4	4	13	77	981	0	0.3	3000	0	4610
24	5	4	15	56	981	0	1.1	3000	0	4610
24	6	4	15	56	981	0	1.1	3000	0	4610
24	7	4	15	56	981	0	1.1	3000	0	4610
24	8	4	23	24	981	0	2.2	3000	0	4610
24	9	4	23	24	981	0	2.2	3000	0	4610

Windows taskbar with icons for Internet Explorer, Firefox, Google Chrome, Sublime Text, Harvest, Windows Applications, Windows Services, Windows Reference, Windows PowerShell, Paper, Character, Paper, A.M., Asse, valid, Char, AER, AER, AER, and system tray showing 12:14.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
24	10	4	23	24	981	0	2.2	3000	0	4610
24	11	4	26	22	981	0	2.5	3000	0	4610
24	12	4	26	22	981	0	2.5	3000	0	4610
24	13	4	26	22	981	0	2.5	3000	0	4610
24	14	4	24	35	981	0	1.7	3000	0	4610
24	15	4	24	35	981	0	1.7	3000	0	4610
24	16	4	24	35	981	0	1.7	3000	0	4610
24	17	4	20	49	981	0	1.1	3000	0	4610
24	18	4	20	49	981	0	1.1	3000	0	4610
24	19	4	20	49	981	0	1.1	3000	0	4610
24	20	4	19	60	981	0	0.8	3000	0	4610
24	21	4	19	60	981	0	0.8	3000	0	4610
24	22	4	19	60	981	0	0.8	3000	0	4610
24	23	4	18	65	981	0	0.6	3000	0	4610
24	24	4	18	65	981	0	0.6	3000	0	4610
25	1	3	18	85	982	0	0.6	3000	0	5150
25	2	3	15	80	982	0	0.3	3000	0	5150

Windows taskbar with icons for Internet Explorer, Firefox, Google Chrome, Sublime Text, Harvest, Word App, Word 3.0, Word Reference, Word P2, Paper, Char, Paper, A.m., Asse, valid, Char, AER, AER, AER, and system tray showing 12:15.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear

Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
25	3	3	15	80	982	0	0.3	3000	0	5150
25	4	3	15	80	982	0	0.3	3000	0	5150
25	5	3	17	48	982	45	0.6	3000	0	5150
25	6	3	17	48	982	45	0.6	3000	0	5150
25	7	3	17	48	982	45	0.6	3000	0	5150
25	8	3	25	23	982	315	0.6	3000	0	5150
25	9	3	25	23	982	315	0.6	3000	0	5150
25	10	3	25	23	982	315	0.6	3000	0	5150
25	11	3	28	18	982	135	0.6	3000	0	5150
25	12	3	28	18	982	135	0.6	3000	0	5150
25	13	3	28	18	982	135	0.6	3000	0	5150
25	14	3	26	28	982	0	0.6	3000	0	5150
25	15	3	26	28	982	0	0.6	3000	0	5150
25	16	3	26	28	982	0	0.6	3000	0	5150
25	17	3	21	49	982	270	0.6	3000	0	5150
25	18	3	21	49	982	270	0.6	3000	0	5150
25	19	3	21	49	982	270	0.6	3000	0	5150

Windows taskbar with icons for Internet Explorer, Firefox, Google Chrome, Sublime Text, Harvest, Word Application, Word 3.0, Word Reference, Word P2, Paper, Character, Paper, A.M., Asse, valid, Char, AER, AER, and system clock showing 12:15.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear

Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
25	20	[7]	17	[10]	[11]	[12]	[13]	[15]	[21]	[3]
25	21	3	17	62	982	270	0.3	3000	0	5150
25	22	3	17	62	982	270	0.3	3000	0	5150
25	23	3	14	73	982	270	0.3	3000	0	5150
25	24	3	14	73	982	270	0.3	3000	0	5150
26	1	3	14	73	979	270	0.3	3000	0	5180
26	2	3	12	70	979	270	0.3	3000	0	5180
26	3	3	12	70	979	270	0.3	3000	0	5180
26	4	3	12	70	979	270	0.3	3000	0	5180
26	5	3	16	44	979	0	0.6	3000	0	5180
26	6	3	16	44	979	0	0.6	3000	0	5180
26	7	3	16	44	979	0	0.6	3000	0	5180
26	8	3	24	15	979	90	0.6	3000	0	5180
26	9	3	24	15	979	90	0.6	3000	0	5180
26	10	3	24	15	979	90	0.6	3000	0	5180
26	11	3	27	12	979	225	0.6	3000	0	5180
26	12	3	27	12	979	225	0.6	3000	0	5180

Windows taskbar with icons for Internet Explorer, Firefox, Google Chrome, Sublime Text, Harvest, Word, 3ds Max, Reference, P2, Paper, Char, Paper, A.m., Asse, valid, Char, AER, AER, and system tray showing 12:17.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit	Link
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths	
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C	
3	Relative Humidity	<input type="checkbox"/>		%	
4	Station Pressure	<input type="checkbox"/>		mbar	
5	Wind Direction	<input type="checkbox"/>		degrees	

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
26	13	3	27	12	979	225	0.6	3000	0	5180
26	14	3	25	17	979	270	0.6	3000	0	5180
26	15	3	25	17	979	270	0.6	3000	0	5180
26	16	3	25	17	979	270	0.6	3000	0	5180
26	17	3	19	41	979	270	0.6	3000	0	5180
26	18	3	19	41	979	270	0.6	3000	0	5180
26	19	3	19	41	979	270	0.6	3000	0	5180
26	20	3	16	46	979	270	0.3	3000	0	5180
26	21	3	16	46	979	270	0.3	3000	0	5180
26	22	3	16	46	979	270	0.3	3000	0	5180
26	23	3	14	57	979	270	0.3	3000	0	5180
26	24	3	14	57	979	270	0.3	3000	0	5180
27	1	4	14	57	977	270	0.3	3000	0	4480
27	2	4	11	64	977	0	0.3	3000	0	4480
27	3	4	11	64	977	0	0.3	3000	0	4480
27	4	4	11	64	977	0	0.3	3000	0	4480
27	5	4	15	41	977	315	0.6	3000	0	4480

Windows taskbar showing icons for Internet Explorer, Firefox, Google Chrome, Sublime Text, Harvest, Word Application, Word 3.0, Word Reference, Word P2, Paper, Character, Paper, A.m., Asse, valid, Char, AER, AER, AER, and system tray with date 12/17.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Open Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
27	6	4	15	41	977	315	0.6	3000	0	4480
27	7	4	15	41	977	315	0.6	3000	0	4480
27	8	4	23	19	977	45	0.8	3000	0	4480
27	9	4	23	19	977	45	0.8	3000	0	4480
27	10	4	23	19	977	45	0.8	3000	0	4480
27	11	4	26	10	977	45	1.1	3000	0	4480
27	12	4	26	10	977	45	1.1	3000	0	4480
27	13	4	26	10	977	45	1.1	3000	0	4480
27	14	4	25	22	977	45	0.8	3000	0	4480
27	15	4	25	22	977	45	0.8	3000	0	4480
27	16	4	25	22	977	45	0.8	3000	0	4480
27	17	4	19	30	977	0	0.8	3000	0	4480
27	18	4	19	30	977	0	0.8	3000	0	4480
27	19	4	19	30	977	0	0.8	3000	0	4480
27	20	4	14	58	977	0	0.6	3000	0	4480
27	21	4	14	58	977	0	0.6	3000	0	4480
27	22	4	14	58	977	0	0.6	3000	0	4480

Taskbar and Start Menu icons including Internet Explorer, Firefox, Google Chrome, Sub..., Hars..., App..., 3.St..., Refe..., P2 - ..., Paper..., Char..., Paper..., A.m..., Asse..., valid..., Char..., AER..., AER..., AER..., and system tray icons for volume and network.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
27	23	4	12	65	977	0	0.3	3000	0	4480
27	24	4	12	65	977	0	0.3	3000	0	4480
28	1	10	12	65	978	0	0.3	3000	0	390
28	2	10	12	67	978	0	0.3	3000	0	390
28	3	10	12	67	978	0	0.3	3000	0	390
28	4	10	12	67	978	0	0.3	3000	0	390
28	5	10	14	47	978	45	0.6	3000	0	390
28	6	10	14	47	978	45	0.6	3000	0	390
28	7	10	14	47	978	45	0.6	3000	0	390
28	8	10	22	24	978	45	0.6	3000	0	390
28	9	10	22	24	978	45	0.6	3000	0	390
28	10	10	22	24	978	45	0.6	3000	0	390
28	11	10	25	16	978	45	0.6	3000	0	390
28	12	10	25	16	978	45	0.6	3000	0	390
28	13	10	25	16	978	45	0.6	3000	0	390
28	14	10	23	22	978	0	0.6	3000	0	390
28	15	10	23	22	978	0	0.6	3000	0	390

Windows taskbar with icons for Internet Explorer, Firefox, Google Chrome, Sublime Text, Harvest, Word, 3ds Max, Reference, P2, Paper, Character, Paper, A.m., Asse, valid, Character, AER, AER, AER, and system tray showing 12:17.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
28	16	10	23	22	978	0	0.6	3000	0	390
28	17	10	18	42	978	270	0.6	3000	0	390
28	18	10	18	42	978	270	0.6	3000	0	390
28	19	10	18	42	978	270	0.6	3000	0	390
28	20	10	14	62	978	270	0.3	3000	0	390
28	21	10	14	62	978	270	0.3	3000	0	390
28	22	10	14	62	978	270	0.3	3000	0	390
28	23	10	12	78	978	270	0.3	3000	0	390
28	24	10	12	78	978	270	0.3	3000	0	390
29	1	7	12	78	979	270	0.3	3000	0	2590
29	2	7	10	74	979	270	0.3	3000	0	2590
29	3	7	10	74	979	270	0.3	3000	0	2590
29	4	7	10	74	979	270	0.3	3000	0	2590
29	5	7	13	47	979	315	0.3	3000	0	2590
29	6	7	13	47	979	315	0.3	3000	0	2590
29	7	7	13	47	979	315	0.3	3000	0	2590
29	8	7	24	16	979	45	0.6	3000	0	2590

Windows taskbar with icons for Internet Explorer, Firefox, Google Chrome, Sublime Text, Harvest, Windows Applications, Windows Services, Windows Reference, Windows PowerShell, Paper, Character, Paper, A.M., Asse, valid, Char, AER, AER, AER, and system tray showing 12:18.

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit	Link
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths	
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C	
3	Relative Humidity	<input type="checkbox"/>		%	
4	Station Pressure	<input type="checkbox"/>		mbar	
5	Wind Direction	<input type="checkbox"/>		degrees	

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
29	9										
29	10										
29	11										
29	12										
29	13										
29	14										
29	15										
29	16										
29	17										
29	18										
29	19										
29	20										
29	21										
29	22										
29	23										
29	24										
30	1										

Windows taskbar with icons for Internet Explorer, Firefox, Google Chrome, Sublime Text, Harvest, Word Application, Word 3.0, Word Reference, Word P2, Paper, Character, Paper, A.M., Asse, valid, Char, AER, AER, AER, and system tray showing 12:18.

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
30	2	9	9	80	981	270	0.3	3000	0	1010
30	3	9	9	80	981	270	0.3	3000	0	1010
30	4	9	9	80	981	270	0.3	3000	0	1010
30	5	9	9	42	981	270	0.6	3000	0	1010
30	6	9	9	42	981	270	0.6	3000	0	1010
30	7	9	15	42	981	270	0.6	3000	0	1010
30	8	9	25	13	981	315	0	3000	0	1010
30	9	9	25	13	981	315	0	3000	0	1010
30	10	9	25	13	981	315	0	3000	0	1010
30	11	9	28	7	981	315	0	3000	0	1010
30	12	9	28	7	981	315	0	3000	0	1010
30	13	9	28	7	981	315	0	3000	0	1010
30	14	9	26	24	981	0	0.6	3000	0	1010
30	15	9	26	24	981	0	0.6	3000	0	1010
30	16	9	26	24	981	0	0.6	3000	0	1010
30	17	9	19	33	981	0	0.6	3000	0	1010
30	18	9	19	33	981	0	0.6	3000	0	1010

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
30	19	9	19	33	981	0	0.6	3000	0	1010
30	20	9	15	55	981	0	0.3	3000	0	1010
30	21	9	15	55	981	0	0.3	3000	0	1010
30	22	9	15	55	981	0	0.3	3000	0	1010
30	23	9	13	63	981	0	0.3	3000	0	1010
30	24	9	13	63	981	0	0.3	3000	0	1010
31	1	5	13	63	982	0	0.3	3000	0	4080
31	2	5	11	77	982	270	0.3	3000	0	4080
31	3	5	11	77	982	270	0.3	3000	0	4080
31	4	5	11	77	982	270	0.3	3000	0	4080
31	5	5	14	58	982	315	0.6	3000	0	4080
31	6	5	14	58	982	315	0.6	3000	0	4080
31	7	5	14	58	982	315	0.6	3000	0	4080
31	8	5	25	19	982	0	1.1	3000	0	4080
31	9	5	25	19	982	0	1.1	3000	0	4080
31	10	5	25	19	982	0	1.1	3000	0	4080
31	11	5	28	12	982	45	1.4	3000	0	4080

Windows taskbar with icons for Internet Explorer, Firefox, Google Chrome, Sublime Text, Harvest, Word, PowerPoint, and other applications. System tray shows the time as 12:18.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%
4	Station Pressure	<input type="checkbox"/>		mbar
5	Wind Direction	<input type="checkbox"/>		degrees

Year: 2013

Clear

Apply

Filter

Show All Days

Specify Days

Hour Start: 01:00 End: 24:00

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (ms)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
31	8	5	25	19	982	0	1.1	3000	0	4080
31	9	5	25	19	982	0	1.1	3000	0	4080
31	10	5	25	19	982	0	1.1	3000	0	4080
31	11	5	28	12	982	45	1.4	3000	0	4080
31	12	5	28	12	982	45	1.4	3000	0	4080
31	13	5	28	12	982	45	1.4	3000	0	4080
31	14	5	20	10	982	45	1.7	3000	0	4080
31	15	5	20	10	982	45	1.7	3000	0	4080
31	16	5	20	10	982	45	1.7	3000	0	4080
31	17	5	17	37	982	45	0.8	3000	0	4080
31	18	5	17	37	982	45	0.8	3000	0	4080
31	19	5	17	37	982	45	0.8	3000	0	4080
31	20	5	15	48	982	0	0.8	3000	0	4080
31	21	5	15	48	982	0	0.8	3000	0	4080
31	22	5	15	48	982	0	0.8	3000	0	4080
31	23	5	14	59	982	0	0.6	3000	0	4080
31	24	5	14	59	982	0	0.6	3000	0	4080

Windows taskbar showing icons for Internet Explorer, Firefox, Google Chrome, Sublime Text, Harvest, Word Application, Word 3.0, Word Reference, Word P2, Paper, Character, Paper, A.m., Asse, valid, Char, AER, AER, and system tray with date 12-19.

**Hourly Surface Meteorological Data for the month of May 2013**

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

#	Data Field Name	Use	Data	Unit
1	Opaque Cloud Cover	<input checked="" type="checkbox"/>		tenths
2	Dry Bulb Temperature	<input type="checkbox"/>		deg C
3	Relative Humidity	<input type="checkbox"/>		%

Year: 2013

Clear Apply

Filter

Show All Days

Specify Days

Start: 01:00 End: 24:00

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12	12	12	12	12
13	13	13	13	13	13	13	13	13	13	13	13
14	14	14	14	14	14	14	14	14	14	14	14
15	15	15	15	15	15	15	15	15	15	15	15
16	16	16	16	16	16	16	16	16	16	16	16
17	17	17	17	17	17	17	17	17	17	17	17
18	18	18	18	18	18	18	18	18	18	18	18
19	19	19	19	19	19	19	19	19	19	19	19

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  N  S Time Zone:

Longitude:  °  E  W

Station Elevation (MSL) [m]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
1	21	3	28	32	973	270	0.8	3000	0	7520
1	22	3	26	32	973	270	0.8	3000	0	7520
1	23	3	28	32	973	270	0.8	3000	0	7520
1	24	3	27	33	973	270	0.8	3000	0	7520
2	1	3	27	33	973	270	1.4	3000	0	7750
2	2	3	27	33	973	270	1.4	3000	0	7750
2	3	3	24	48	973	90	1.1	3000	0	7750
2	4	3	24	48	973	90	1.1	3000	0	7750
2	5	3	24	48	973	90	1.1	3000	0	7750
2	6	3	29	29	973	0	2.2	3000	0	7750
2	7	3	29	29	973	0	2.2	3000	0	7750
2	8	3	29	29	973	0	2.2	3000	0	7750
2	9	3	36	17	973	0	3.6	3000	0	7750
2	10	3	36	17	973	0	3.6	3000	0	7750
2	11	3	36	17	973	0	3.6	3000	0	7750
2	12	3	39	11	973	135	4.2	3000	0	7750
2	13	3	39	11	973	135	4.2	3000	0	7750
2	14	3	39	11	973	135	4.2	3000	0	7750
2	15	3	37	18	973	225	3.6	3000	0	7750

Windows taskbar showing icons for Explorer, Hars..., App..., 3.S..., Refe..., P2 - ..., New..., Char..., Paper..., A.m..., Asse..., valid..., Char..., AER..., AER..., AER..., and system tray with clock 12:22.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  N  S Time Zone:

Longitude:  °  W  E

Station Elevation (MSL) [m]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
2	16	3	37	18	973	225	3.6	3000	0	7750
2	17	3	37	18	973	225	3.6	3000	0	7750
2	18	3	33	38	973	270	1.7	3000	0	7750
2	19	3	33	38	973	270	1.7	3000	0	7750
2	20	3	33	38	973	270	1.7	3000	0	7750
2	21	3	23	65	973	0	1.1	3000	0	7750
2	22	3	23	65	973	0	1.1	3000	0	7750
2	23	3	23	65	973	0	1.1	3000	0	7750
2	24	3	24	64	973	0	1.1	3000	0	7750
3	1	4	24	64	972	0	1.1	3000	0	6950
3	2	4	24	64	972	0	1.1	3000	0	6950
3	3	4	21	87	972	90	0.6	3000	0	6950
3	4	4	21	87	972	90	0.6	3000	0	6950
3	5	4	21	87	972	90	0.6	3000	0	6950
3	6	4	23	74	972	0	0.8	3000	0	6950
3	7	4	23	74	972	0	0.8	3000	0	6950
3	8	4	23	74	972	0	0.8	3000	0	6950
3	9	4	30	47	972	225	1.7	3000	0	6950
3	10	4	30	47	972	225	1.7	3000	0	6950

Windows taskbar showing icons for Explorer, Hars..., W3 App..., W3 3.S..., W3 Refe..., W3 P2 - ..., New..., Char..., Paper..., A.m..., Asse..., valid..., Char..., AER..., AER..., AER..., and system tray with clock 12:22.



File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  N  S Time Zone:

Longitude:  °  E  W

Station Elevation (MSL) [m]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
4	6	3	28	54	972	270	1.1	3000	0	7180
4	7	3	28	54	972	270	1.1	3000	0	7180
4	8	3	28	54	972	270	1.1	3000	0	7180
4	9	3	34	30	972	225	1.4	3000	0	7180
4	10	3	34	30	972	225	1.4	3000	0	7180
4	11	3	34	30	972	225	1.4	3000	0	7180
4	12	3	38	9	972	225	1.9	3000	0	7180
4	13	3	38	9	972	225	1.9	3000	0	7180
4	14	3	38	9	972	225	1.9	3000	0	7180
4	15	3	36	14	972	315	1.7	3000	0	7180
4	16	3	36	14	972	315	1.7	3000	0	7180
4	17	3	36	14	972	315	1.7	3000	0	7180
4	18	3	30	21	972	315	1.4	3000	0	7180
4	19	3	30	21	972	315	1.4	3000	0	7180
4	20	3	30	21	972	315	1.4	3000	0	7180
4	21	3	27	33	972	270	1.4	3000	0	7180
4	22	3	27	33	972	270	1.4	3000	0	7180
4	23	3	27	33	972	270	1.4	3000	0	7180
4	24	3	25	42	972	270	1.1	3000	0	7180

Windows taskbar showing various application icons: Explorer, Hars..., W3 App..., W3 3S..., W3 Refe..., W3 P2 - ..., New..., Char..., Paper..., A.m..., Asse..., valid..., Char..., AER..., AER..., AER..., and system tray with clock 12:23.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  N  S Time Zone:

Longitude:  °  W  E

Station Elevation (MSL) [m]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
5	1	4	25	42	970	270	1.1	3000	0	6890
5	2	4	25	42	970	270	1.1	3000	0	6890
5	3	4	23	54	970	270	0.8	3000	0	6890
5	4	4	23	54	970	270	0.8	3000	0	6890
5	5	4	23	54	970	270	0.8	3000	0	6890
5	6	4	29	22	970	270	1.9	3000	0	6890
5	7	4	29	22	970	270	1.9	3000	0	6890
5	8	4	29	22	970	270	1.9	3000	0	6890
5	9	4	35	7	970	270	2.5	3000	0	6890
5	10	4	35	7	970	270	2.5	3000	0	6890
5	11	4	35	7	970	270	2.5	3000	0	6890
5	12	4	37	33	970	270	1.4	3000	0	6890
5	13	4	37	33	970	270	1.4	3000	0	6890
5	14	4	37	33	970	270	1.4	3000	0	6890
5	15	4	35	37	970	270	1.1	3000	0	6890
5	16	4	35	37	970	270	1.1	3000	0	6890
5	17	4	35	37	970	270	1.1	3000	0	6890
5	18	4	28	23	970	270	1.9	3000	0	6890
5	19	4	28	23	970	270	1.9	3000	0	6890

Windows taskbar showing icons for Explorer, Applications, 3-Service, Reference, P2, New, Character, Paper, A, Asse, valid, Char, AER, AER, AER, and system tray with clock 12:23.

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  N  S Time Zone:

Longitude:  °  E  W

Station Elevation (MSL) [ft]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
5	20	4	28	23	970	270	1.9	3000	0	6890
5	21	4	26	31	970	270	1.4	3000	0	6890
5	22	4	26	31	970	270	1.4	3000	0	6890
5	23	4	26	31	970	270	1.4	3000	0	6890
5	24	4	24	36	970	270	1.7	3000	0	6890
6	1	3	24	36	970	270	1.7	3000	0	7140
6	2	3	24	36	970	270	1.7	3000	0	7140
6	3	3	21	49	970	270	1.1	3000	0	7140
6	4	3	21	49	970	270	1.1	3000	0	7140
6	5	3	21	49	970	270	1.1	3000	0	7140
6	6	3	30	17	970	270	1.9	3000	0	7140
6	7	3	30	17	970	270	1.9	3000	0	7140
6	8	3	30	17	970	270	1.9	3000	0	7140
6	9	3	36	7	970	225	2.2	3000	0	7140
6	10	3	36	7	970	225	2.2	3000	0	7140
6	11	3	36	7	970	225	2.2	3000	0	7140
6	12	3	39	5	970	315	2.5	3000	0	7140
6	13	3	39	5	970	315	2.5	3000	0	7140
6	14	3	39	5	970	315	2.5	3000	0	7140

Windows taskbar with icons for Explorer, Applications, 3-Service, Reference, P2, New, Character, Paper, A, Asse, valid, Char, AER, AER, AER, and system tray showing 12:23.

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  Time Zone:

Longitude:  °

Station Elevation (MSL) [ft]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
6	15	3	37	6	970	270	2.2	3000	0	7140
6	16	3	37	6	970	270	2.2	3000	0	7140
6	17	3	37	6	970	270	2.2	3000	0	7140
6	18	3	30	24	970	270	1.7	3000	0	7140
6	19	3	30	24	970	270	1.7	3000	0	7140
6	20	3	30	24	970	270	1.7	3000	0	7140
6	21	3	26	36	970	270	1.1	3000	0	7140
6	22	3	26	36	970	270	1.1	3000	0	7140
6	23	3	26	36	970	270	1.1	3000	0	7140
6	24	3	24	43	970	270	1.1	3000	0	7140
7	1	3	24	43	969	270	1.1	3000	0	7190
7	2	3	24	43	969	270	1.1	3000	0	7190
7	3	3	22	34	969	270	1.9	3000	0	7190
7	4	3	22	34	969	270	1.9	3000	0	7190
7	5	3	22	34	969	270	1.9	3000	0	7190
7	6	3	29	18	969	270	3	3000	0	7190
7	7	3	29	18	969	270	3	3000	0	7190
7	8	3	29	18	969	270	3	3000	0	7190
7	9	3	37	4	969	315	4.2	3000	0	7190

Windows taskbar showing icons for Explorer, Hars..., W3 App..., W3 3.S..., W3 Refe..., W3 P2 - ..., New..., Char..., Paper..., A.m..., Asse..., valid..., Char..., AER..., AER..., AER..., and system tray with clock 12:24.

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  N  S Time Zone:

Longitude:  °  E  W

Station Elevation (MSL) [ft]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
		[7]	[8]	[10]	[11]	[12]	[13]	[15]	[21]	[3]
7	10	3	37	4	969	315	4.2	3000	0	7190
7	11	3	37	4	969	315	4.2	3000	0	7190
7	12	3	40	4	969	315	4.2	3000	0	7190
7	13	3	40	4	969	315	4.2	3000	0	7190
7	14	3	40	4	969	315	4.2	3000	0	7190
7	15	3	38	5	969	270	3.9	3000	0	7190
7	16	3	38	5	969	270	3.9	3000	0	7190
7	17	3	38	5	969	270	3.9	3000	0	7190
7	18	3	31	16	969	270	2.5	3000	0	7190
7	19	3	31	16	969	270	2.5	3000	0	7190
7	20	3	31	16	969	270	2.5	3000	0	7190
7	21	3	27	33	969	270	1.9	3000	0	7190
7	22	3	27	33	969	270	1.9	3000	0	7190
7	23	3	27	33	969	270	1.9	3000	0	7190
7	24	3	24	44	969	270	0.8	3000	0	7190
8	1	4	24	44	968	270	0.8	3000	0	6620
8	2	4	24	44	968	270	0.8	3000	0	6620
8	3	4	21	51	968	270	0.6	3000	0	6620
8	4	4	21	51	968	270	0.6	3000	0	6620

Windows taskbar showing icons for Explorer, Hars..., App..., 3S..., Refe..., P2..., New..., Char..., Paper..., A.m..., Asse..., valid..., Char..., AER..., AER..., AER..., and system tray with clock 12:24.

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  Time Zone:

Longitude:  °

Station Elevation (MSL) [ft]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
8	5	4	21	51	968	135	0.6	3000	0	6620
8	6	4	26	23	968	135	1.4	3000	0	6620
8	7	4	28	23	968	135	1.4	3000	0	6620
8	8	4	26	23	968	135	1.4	3000	0	6620
8	9	4	28	23	968	135	2.2	3000	0	6620
8	10	4	38	8	968	135	2.2	3000	0	6620
8	11	4	38	8	968	135	2.2	3000	0	6620
8	12	4	39	5	968	270	2.5	3000	0	6620
8	13	4	39	5	968	270	2.5	3000	0	6620
8	14	4	39	5	968	270	2.5	3000	0	6620
8	15	4	37	11	968	270	1.9	3000	0	6620
8	16	4	37	11	968	270	1.9	3000	0	6620
8	17	4	37	11	968	270	1.9	3000	0	6620
8	18	4	31	24	968	270	1.4	3000	0	6620
8	19	4	31	24	968	270	1.4	3000	0	6620
8	20	4	31	24	968	270	1.4	3000	0	6620
8	21	4	27	30	968	270	1.1	3000	0	6620
8	22	4	27	30	968	270	1.1	3000	0	6620
8	23	4	27	30	968	270	1.1	3000	0	6620

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  N  S Time Zone:

Longitude:  °  E  W

Station Elevation (MSL) [ft]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
8	24	4	25	37	968	270	0.6	3000	0	6200
9	1	4	25	37	967	270	0.6	3000	0	6200
9	2	4	25	37	967	270	0.6	3000	0	6200
9	3	4	23	45	967	270	0.3	3000	0	6200
9	4	4	23	45	967	270	0.3	3000	0	6200
9	5	4	23	45	967	270	0.3	3000	0	6200
9	6	4	29	28	967	270	0.8	3000	0	6200
9	7	4	29	28	967	270	0.8	3000	0	6200
9	8	4	29	28	967	270	0.8	3000	0	6200
9	9	4	37	13	967	135	1.1	3000	0	6200
9	10	4	37	13	967	135	1.1	3000	0	6200
9	11	4	37	13	967	135	1.1	3000	0	6200
9	12	4	40	7	967	225	1.1	3000	0	6200
9	13	4	40	7	967	225	1.1	3000	0	6200
9	14	4	40	7	967	225	1.1	3000	0	6200
9	15	4	38	13	967	180	1.1	3000	0	6200
9	16	4	38	13	967	180	1.1	3000	0	6200
9	17	4	38	13	967	180	1.1	3000	0	6200
9	18	4	32	27	967	270	0.8	3000	0	6200

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  Time Zone:

Longitude:  °

Station Elevation (MSL) [m]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
[7]	[8]	[10]	[11]	[12]	[13]	[15]	[21]	[3]		
9	19	4	32	27	967	270	0.8	3000	0	6200
9	20	4	32	27	967	270	0.8	3000	0	6200
9	21	4	28	32	967	270	0.6	3000	0	6200
9	22	4	28	32	967	270	0.6	3000	0	6200
9	23	4	28	32	967	270	0.6	3000	0	6200
9	24	4	26	38	967	270	0.6	3000	0	6200
10	1	4	26	38	967	270	0.6	3000	0	6790
10	2	4	26	38	967	270	0.6	3000	0	6790
10	3	4	25	46	967	270	0.3	3000	0	6790
10	4	4	25	46	967	270	0.3	3000	0	6790
10	5	4	25	46	967	270	0.3	3000	0	6790
10	6	4	31	24	967	0	1.4	3000	0	6790
10	7	4	31	24	967	0	1.4	3000	0	6790
10	8	4	31	24	967	0	1.4	3000	0	6790
10	9	4	37	18	967	225	2.2	3000	0	6790
10	10	4	37	18	967	225	2.2	3000	0	6790
10	11	4	37	18	967	225	2.2	3000	0	6790
10	12	4	40	12	967	180	2.5	3000	0	6790
10	13	4	40	12	967	180	2.5	3000	0	6790

Windows taskbar showing icons for Explorer, Hars..., App..., 3.S..., Refe..., P2 - ..., New..., Char..., Paper..., A.m..., Asse..., valid..., Char..., AER..., AER..., AER..., and system tray with clock 12:25.

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  Time Zone:

Longitude:  °

Station Elevation (MSL) [ft]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
10	14	4	40	12	967	180	2.5	3000	0	6790
10	15	4	38	21	967	180	1.9	3000	0	6790
10	16	4	38	21	967	180	1.9	3000	0	6790
10	17	4	38	21	967	180	1.9	3000	0	6790
10	18	4	33	41	967	270	0.8	3000	0	6790
10	19	4	33	41	967	270	0.8	3000	0	6790
10	20	4	33	41	967	270	0.8	3000	0	6790
10	21	4	31	26	967	270	1.4	3000	0	6790
10	22	4	31	26	967	270	1.4	3000	0	6790
10	23	4	31	26	967	270	1.4	3000	0	6790
10	24	4	29	33	967	270	0.8	3000	0	6790
11	1	3	29	33	969	270	0.8	3000	0	7410
11	2	3	29	33	969	270	0.8	3000	0	7410
11	3	3	26	46	969	270	0.3	3000	0	7410
11	4	3	26	46	969	270	0.3	3000	0	7410
11	5	3	26	46	969	270	0.3	3000	0	7410
11	6	3	31	32	969	0	0.8	3000	0	7410
11	7	3	31	32	969	0	0.8	3000	0	7410
11	8	3	31	32	969	0	0.8	3000	0	7410

Windows taskbar showing icons for Explorer, Hars..., W3 App..., W3 3.S..., W3 Refe..., W3 P2 - ..., New..., Char..., Paper..., A.m..., Asse..., valid..., Char..., AER..., AER..., AER..., and system tray with date 12/25.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  N  S Time Zone:

Longitude:  °  E  W

Station Elevation (MSL) [m]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
11	9	3	37	19	969	0	1.9	3000	0	7410
11	10	3	37	19	969	0	1.9	3000	0	7410
11	11	3	37	19	969	0	1.9	3000	0	7410
11	12	3	39	14	969	225	2.5	3000	0	7410
11	13	3	39	14	969	225	2.5	3000	0	7410
11	14	3	39	14	969	225	2.5	3000	0	7410
11	15	3	32	30	969	45	0.8	3000	0	7410
11	16	3	32	30	969	45	0.8	3000	0	7410
11	17	3	32	30	969	45	0.8	3000	0	7410
11	18	3	29	45	969	0	0.6	3000	0	7410
11	19	3	29	45	969	0	0.6	3000	0	7410
11	20	3	29	45	969	0	0.6	3000	0	7410
11	21	3	27	51	969	0	0.3	3000	0	7410
11	22	3	27	51	969	0	0.3	3000	0	7410
11	23	3	27	51	969	0	0.3	3000	0	7410
11	24	4	26	54	969	315	0.8	3000	0	7090
12	1	4	26	54	970	315	0.8	3000	0	7090
12	2	4	26	54	970	315	0.8	3000	0	7090
12	3	4	21	83	970	0	0.6	3000	0	7090

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  N  S Time Zone:

Longitude:  °  W  E

Station Elevation (MSL) [m]:  (Optional)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec																										
Day	12	4	12	5	12	6	12	7	12	8	12	9	12	10	12	11	12	12	13	12	14	12	15	12	16	12	17	12	18	12	19	12	20	12	21	12	22	
Hour	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Opaque Cloud Cover (tenths)	[7]	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Dry Bulb Temperature (deg C)	[8]	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
Relative Humidity (%)	[10]	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83
Station Pressure (mbar)	[11]	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970	970
Wind Direction (deg)	[12]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Wind Speed (m/s)	[13]	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	
Ceiling Height (m)	[15]	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	
Hourly Precipitation Amount (Hundredths of inches)	[21]	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Global Horizontal Radiation (Wh/m2)	[3]	7090	7090	7090	7090	7090	7090	7090	7090	7090	7090	7090	7090	7090	7090	7090	7090	7090	7090	7090	7090	7090	7090	7090	7090	7090	7090	7090	7090	7090	7090	7090	7090	7090	7090	7090	7090	

Windows taskbar showing icons for Explorer, Internet Explorer, Hars..., W3 App..., W3 3S..., W3 Refe..., W3 P2..., New..., Char..., Paper..., A.m..., Asse..., valid..., Char..., AER..., AER..., AER..., and system tray with date 12/25.

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  N  S Time Zone:

Longitude:  °  E  W

Station Elevation (MSL) [ft]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
[7]	[8]	[10]	[11]	[12]	[13]	[15]	[21]	[3]		
12	23	4	30	38	970	0	0.8	3000	0	7090
12	24	4	30	37	970	0	0.8	3000	0	7090
13	1	3	30	37	969	270	0.8	3000	0	7390
13	2	3	30	37	969	270	0.8	3000	0	7390
13	3	3	27	60	969	315	0.6	3000	0	7390
13	4	3	27	60	969	315	0.6	3000	0	7390
13	5	3	27	60	969	315	0.6	3000	0	7390
13	6	3	32	34	969	135	0.8	3000	0	7390
13	7	3	32	34	969	135	0.8	3000	0	7390
13	8	3	32	34	969	135	0.8	3000	0	7390
13	9	3	37	22	969	225	1.4	3000	0	7390
13	10	3	37	22	969	225	1.4	3000	0	7390
13	11	3	37	22	969	180	1.4	3000	0	7390
13	12	3	40	16	969	180	1.9	3000	0	7390
13	13	3	40	16	969	180	1.9	3000	0	7390
13	14	3	39	16	969	180	1.9	3000	0	7390
13	15	3	39	19	969	180	1.7	3000	0	7390
13	16	3	39	19	969	180	1.7	3000	0	7390
13	17	3	39	19	969	180	1.7	3000	0	7390

Windows taskbar showing icons for Explorer, Hars..., App..., 3.S..., Refe..., P2..., New..., Char..., Paper..., A.m..., Asse..., valid..., Char..., AER..., AER..., AER..., and system tray with clock 12:25.

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  N  S Time Zone:

Longitude:  °  E  W

Station Elevation (MSL) [ft]:  (Optional)

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
13	18	3	34	23	969	135	1.4	3000	0	7390
13	19	3	34	23	969	135	1.4	3000	0	7390
13	20	3	34	23	969	135	1.4	3000	0	7390
13	21	3	31	44	969	135	0.8	3000	0	7390
13	22	3	31	44	969	135	0.8	3000	0	7390
13	23	3	31	44	969	135	0.8	3000	0	7390
13	24	3	30	51	969	270	0.6	3000	0	7390
14	1	3	30	51	968	270	0.6	3000	0	7470
14	2	3	30	51	968	270	0.6	3000	0	7470
14	3	3	28	69	968	0	0.3	3000	0	7470
14	4	3	28	69	968	0	0.3	3000	0	7470
14	5	3	28	69	968	0	0.3	3000	0	7470
14	6	3	31	49	968	0	0.8	3000	0	7470
14	7	3	31	49	968	0	0.8	3000	0	7470
14	8	3	31	49	968	0	0.8	3000	0	7470
14	9	3	36	25	968	135	1.9	3000	0	7470
14	10	3	36	25	968	135	1.9	3000	0	7470
14	11	3	36	25	968	135	1.9	3000	0	7470
14	12	3	39	17	968	315	2.5	3000	0	7470

Windows taskbar showing icons for Explorer, Hars..., App..., 3.S..., Refe..., P2 - ..., New..., Char..., Paper..., A.m..., Asse..., valid..., Char..., AER..., AER..., AER..., and system tray with clock 12:25.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  N  S Time Zone:

Longitude:  °  W  E

Station Elevation (MSL) [m]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
14	13	3	39	17	968	315	2.5	3000	0	7470
14	14	3	39	17	968	315	2.5	3000	0	7470
14	15	3	36	28	968	0	1.7	3000	0	7470
14	16	3	36	28	968	0	1.7	3000	0	7470
14	17	3	32	33	968	0	1.7	3000	0	7470
14	18	3	32	33	968	225	1.1	3000	0	7470
14	19	3	32	33	968	225	1.1	3000	0	7470
14	20	3	32	33	968	225	1.1	3000	0	7470
14	21	3	30	39	968	135	0.8	3000	0	7470
14	22	3	30	39	968	135	0.8	3000	0	7470
14	23	3	30	39	968	135	0.8	3000	0	7470
14	24	3	29	46	968	135	0.8	3000	0	7470
15	1	5	29	46	968	135	0.8	3000	0	6450
15	2	5	29	46	968	135	0.8	3000	0	6450
15	3	5	27	73	968	0	0.6	3000	0	6450
15	4	5	27	73	968	0	0.6	3000	0	6450
15	5	5	32	51	968	0	0.8	3000	0	6450
15	6	5	32	51	968	0	0.8	3000	0	6450
15	7	5	32	51	968	0	0.8	3000	0	6450

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  Time Zone:

Longitude:  °

Station Elevation (MSL) [m]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
15	8	5	32	51	988	0	0.8	3000	0	6450
15	9	5	37	43	968	315	1.1	3000	0	6450
15	10	5	37	43	968	315	1.1	3000	0	6450
15	11	5	37	43	968	315	1.1	3000	0	6450
15	12	5	34	34	968	315	1.7	3000	0	6450
15	13	5	34	34	968	315	1.7	3000	0	6450
15	14	5	34	34	968	315	1.7	3000	0	6450
15	15	5	31	31	968	315	0.8	3000	0	6450
15	16	5	31	55	968	315	0.8	3000	0	6450
15	17	5	31	55	968	315	0.8	3000	0	6450
15	18	5	30	62	968	315	0.8	3000	0	6450
15	19	5	30	62	968	315	0.8	3000	0	6450
15	20	5	30	62	968	315	0.8	3000	0	6450
15	21	5	30	62	968	90	0.6	3000	0	6450
15	22	5	30	62	968	90	0.6	3000	0	6450
15	23	5	30	62	968	90	6	3000	0	6450
15	24	5	28	67	968	0	0.6	3000	0	6450
16	1	4	28	67	969	0	0.6	3000	0	7000
16	2	4	28	67	969	0	0.6	3000	0	7000

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  N  S Time Zone:

Longitude:  °  E  W

Station Elevation (MSL) [ft]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
[7]	[8]	[10]	[11]	[12]	[13]	[15]	[21]	[3]		
16	3	4	28	67	989	0	0.6	3000	0	7000
16	4	4	26	67	989	0	0.6	3000	0	7000
16	5	4	28	67	989	0	0.6	3000	0	7000
16	6	4	33	47	989	0	1.1	3000	0	7000
16	7	4	33	47	989	0	1.1	3000	0	7000
16	8	4	33	47	989	0	1.1	3000	0	7000
16	9	4	38	25	989	180	1.4	3000	0	7000
16	10	4	38	25	989	180	1.4	3000	0	7000
16	11	4	38	25	989	180	1.4	3000	0	7000
16	12	4	40	13	989	180	1.9	3000	0	7000
16	13	4	40	13	989	180	1.9	3000	0	7000
16	14	4	40	13	989	180	1.9	3000	0	7000
16	15	4	40	10	989	0	1.9	3000	0	7000
16	16	4	40	10	989	0	1.9	3000	0	7000
16	17	4	40	10	989	0	1.9	3000	0	7000
16	18	4	36	24	989	0	1.4	3000	0	7000
16	19	4	36	24	989	0	1.4	3000	0	7000
16	20	4	36	24	989	0	1.4	3000	0	7000
16	21	4	33	31	989	90	1.1	3000	0	7000

Windows taskbar showing icons for Explorer, Hars..., App..., 3.S..., Refe..., P2..., New..., Char..., Paper..., A.m..., Asse..., valid..., Char..., AER..., AER..., AER..., and system tray with clock 12:26.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  N  S Time Zone:

Longitude:  °  E  W

Station Elevation (MSL) [m]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
16	22	4	33	31	969	90	1.1	3000	0	7000
16	23	4	33	31	969	90	1.1	3000	0	7000
16	24	4	31	36	969	90	1.1	3000	0	7000
17	1	4	31	36	970	90	1.1	3000	0	6970
17	2	4	31	36	970	90	1.1	3000	0	6970
17	3	4	29	72	970	0	0.6	3000	0	6970
17	4	4	29	72	970	0	0.6	3000	0	6970
17	5	4	29	72	970	0	0.6	3000	0	6970
17	6	4	33	33	970	180	1.1	3000	0	6970
17	7	4	33	33	970	180	1.1	3000	0	6970
17	8	4	33	33	970	180	1.1	3000	0	6970
17	9	4	40	20	970	180	1.4	3000	0	6970
17	10	4	40	20	970	180	1.4	3000	0	6970
17	11	4	40	20	970	180	1.4	3000	0	6970
17	12	4	44	6	970	270	1.7	3000	0	6970
17	13	4	44	6	970	270	1.7	3000	0	6970
17	14	4	44	6	970	270	1.7	3000	0	6970
17	15	4	42	6	970	315	1.7	3000	0	6970
17	16	4	42	6	970	315	1.7	3000	0	6970

Windows taskbar showing icons for Explorer, Hars..., W3 App..., W3 3S..., W3 Refe..., W3 P2..., New..., Char..., Paper..., A.m..., Asse..., valid..., Char..., AER..., AER..., AER..., and system tray with clock 12:26.

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  N  S Time Zone:

Longitude:  °  W  E

Station Elevation (MSL) [m]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
[7]	[8]	[10]	[11]	[12]	[13]	[15]	[21]	[3]		
17	17	4	42	6	970	315	1.7	3000	0	6970
17	18	4	36	31	970	0	1.1	3000	0	6970
17	19	4	36	31	970	0	1.1	3000	0	6970
17	20	4	36	31	970	0	1.1	3000	0	6970
17	21	4	33	28	970	0	1.1	3000	0	6970
17	22	4	33	28	970	0	1.1	3000	0	6970
17	23	4	33	28	970	0	1.1	3000	0	6970
17	24	4	31	25	970	0	0.6	3000	0	6930
18	1	4	31	25	971	0	0.6	3000	0	6930
18	2	4	31	25	971	0	0.6	3000	0	6930
18	3	4	29	61	971	0	0	3000	0	6930
18	4	4	29	61	971	0	0	3000	0	6930
18	5	4	29	61	971	0	0	3000	0	6930
18	6	4	34	42	971	0	0.3	3000	0	6930
18	7	4	34	42	971	0	0.3	3000	0	6930
18	8	4	34	42	971	0	0.3	3000	0	6930
18	9	4	40	11	971	180	0.6	3000	0	6930
18	10	4	40	11	971	180	0.6	3000	0	6930
18	11	4	40	11	971	180	0.6	3000	0	6930

Windows taskbar showing icons for Explorer, Hars..., W3 App..., W3 S..., W3 Refe..., W3 P2..., New..., Char..., Paper..., A.m..., Asse..., valid..., Char..., AER..., AER..., AER..., and system tray with clock 12:26.

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  N  S Time Zone:

Longitude:  °  W  E

Station Elevation (MSL) [m]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
18	12	4	44	5	971	90	0.6	3000	0	6930
18	13	4	44	5	971	90	0.6	3000	0	6930
18	14	4	44	5	971	90	0.6	3000	0	6930
18	15	4	43	6	971	0	0.6	3000	0	6930
18	16	4	43	6	971	0	0.6	3000	0	6930
18	17	4	43	6	971	0	0.6	3000	0	6930
18	18	4	37	17	971	0	0.6	3000	0	6930
18	19	4	37	17	971	0	0.6	3000	0	6930
18	20	4	37	17	971	0	0.6	3000	0	6930
18	21	4	33	31	971	0	0.6	3000	0	6930
18	22	4	33	31	971	0	0.6	3000	0	6930
18	23	4	33	31	971	0	0.6	3000	0	6930
18	24	4	31	31	971	0	0.6	3000	0	6930
19	1	4	31	24	970	0	0.8	3000	0	6980
19	2	4	31	24	970	0	0.8	3000	0	6980
19	3	4	32	28	970	270	0.8	3000	0	6980
19	4	4	32	28	970	270	0.8	3000	0	6980
19	5	4	32	28	970	270	0.8	3000	0	6980
19	6	4	36	23	970	180	1.1	3000	0	6980

Taskbar and Start Menu icons including Explorer, Applications, 3-Service, Reference, P2, New, Character, Paper, A.m., Asse, valid, Char, AER, AER, AER, and system tray icons for volume and network.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  N  S Time Zone:

Longitude:  °  E  W

Station Elevation (MSL) [m]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
19	7	4	36	23	970	180	1.1	3000	0	6980
19	8	4	36	23	970	180	1.1	3000	0	6980
19	9	4	41	14	970	225	1.9	3000	0	6980
19	10	4	41	14	970	225	1.9	3000	0	6980
19	11	4	41	14	970	225	1.9	3000	0	6980
19	12	4	46	8	970	270	2.2	3000	0	6980
19	13	4	46	8	970	270	2.2	3000	0	6980
19	14	4	46	8	970	270	2.2	3000	0	6980
19	15	4	44	5	970	315	2.5	3000	0	6980
19	16	4	44	5	970	315	2.5	3000	0	6980
19	17	4	44	5	970	315	2.5	3000	0	6980
19	18	4	38	16	970	270	1.7	3000	0	6980
19	19	4	38	16	970	270	1.7	3000	0	6980
19	20	4	38	16	970	270	1.7	3000	0	6980
19	21	4	33	28	970	270	0.8	3000	0	6980
19	22	4	33	28	970	270	0.8	3000	0	6980
19	23	4	33	28	970	270	0.8	3000	0	6980
19	24	4	32	20	970	270	0.6	3000	0	6980
20	1	4	32	20	970	270	0.6	3000	0	7020

Windows taskbar showing various application icons: Explorer, Hars..., W3 App..., W3 3.S..., W3 Refe..., W3 P2 - ..., New..., Char..., Paper..., A. m..., Asse..., valid..., Char..., AER..., AER..., AER..., and system tray with clock 12:26.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  N  S Time Zone:

Longitude:  °  E  W

Station Elevation (MSL) [m]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
20	2	4	32	20	970	270	0.6	3000	0	7020
20	3	4	28	44	970	0	0.3	3000	0	7020
20	4	4	28	44	970	0	0.3	3000	0	7020
20	5	4	28	44	970	0	0.3	3000	0	7020
20	6	4	34	28	970	0	0.8	3000	0	7020
20	7	4	34	28	970	0	0.8	3000	0	7020
20	8	4	34	28	970	0	0.8	3000	0	7020
20	9	4	40	11	970	0	1.4	3000	0	7020
20	10	4	40	11	970	0	1.4	3000	0	7020
20	11	4	40	11	970	0	1.4	3000	0	7020
20	12	4	44	6	970	315	1.9	3000	0	7020
20	13	4	44	6	970	315	1.9	3000	0	7020
20	14	4	44	6	970	315	1.9	3000	0	7020
20	15	4	44	9	970	0	1.7	3000	0	7020
20	16	4	44	9	970	0	1.7	3000	0	7020
20	17	4	44	9	970	0	1.7	3000	0	7020
20	18	4	37	26	970	0	0.8	3000	0	7020
20	19	4	37	26	970	0	0.8	3000	0	7020
20	20	4	37	26	970	0	0.8	3000	0	7020

Windows taskbar showing icons for Explorer, Hars..., App..., 3.S..., Refe..., P2..., New..., Char..., Paper..., A.m..., Asse..., valid..., Char..., AER..., AER..., AER..., and system tray with clock 12:26.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  N  S Time Zone:

Longitude:  °  E  W

Station Elevation (MSL) [m]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
20	21	4	34	30	970	0	0.6	3000	0	7020
20	22	4	34	30	970	0	0.6	3000	0	7020
20	23	4	34	30	970	0	0.6	3000	0	7020
20	24	4	32	32	970	270	0.6	3000	0	7020
21	1	4	32	32	970	270	0.6	3000	0	6850
21	2	4	32	32	970	270	0.6	3000	0	6850
21	3	4	30	37	970	270	0.6	3000	0	6850
21	4	4	30	37	970	270	0.6	3000	0	6850
21	5	4	30	37	970	270	0.6	3000	0	6850
21	6	4	36	36	970	180	0.8	3000	0	6850
21	7	4	36	36	970	180	0.8	3000	0	6850
21	8	4	36	36	970	180	0.8	3000	0	6850
21	9	4	40	21	970	180	1.7	3000	0	6850
21	10	4	40	21	970	180	1.7	3000	0	6850
21	11	4	40	21	970	180	1.7	3000	0	6850
21	12	4	45	13	970	270	1.9	3000	0	6850
21	13	4	45	13	970	270	1.9	3000	0	6850
21	14	4	45	13	970	270	1.9	3000	0	6850
21	15	4	44	7	970	315	2.5	3000	0	6850

Taskbar and Start Menu icons including Explorer, Applications, 3-Service, Reference, P2, New, Character, Paper, A, Asse, valid, Char, AER, AER, AER, and system tray icons for volume and network.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  N  S Time Zone:

Longitude:  °  E  W

Station Elevation (MSL) [ft]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
[7]	[8]	[10]	[11]	[12]	[13]	[15]	[21]	[3]		
21	16	4	44	7	970	315	2.5	3000	0	6850
21	17	4	44	7	970	315	2.5	3000	0	6850
21	18	4	37	17	970	0	1.9	3000	0	6850
21	19	4	37	17	970	0	1.9	3000	0	6850
21	20	4	37	17	970	0	1.9	3000	0	6850
21	21	4	34	33	970	0	0.8	3000	0	6850
21	22	4	34	33	970	0	0.8	3000	0	6850
21	23	4	34	33	970	0	0.8	3000	0	6850
21	24	4	33	37	970	0	0.6	3000	0	6850
22	1	4	33	37	970	0	0.6	3000	0	6920
22	2	4	33	37	970	0	0.6	3000	0	6920
22	3	4	30	71	970	0	0	3000	0	6920
22	4	4	30	71	970	0	0	3000	0	6920
22	5	4	30	71	970	0	0	3000	0	6920
22	6	4	34	43	970	0	0.6	3000	0	6920
22	7	4	34	43	970	0	0.6	3000	0	6920
22	8	4	34	43	970	0	0.6	3000	0	6920
22	9	4	40	13	970	0	0.8	3000	0	6920
22	10	4	40	13	970	0	0.8	3000	0	6920

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  Time Zone:

Longitude:  °

Station Elevation (MSL) [ft]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
22	11	4	40	13	970	0	0.8	3000	0	6920
22	12	4	44	10	970	225	1.1	3000	0	6920
22	13	4	44	10	970	225	1.1	3000	0	6920
22	14	4	44	10	970	225	1.1	3000	0	6920
22	15	4	43	6	970	0	1.1	3000	0	6920
22	16	4	43	6	970	0	1.1	3000	0	6920
22	17	4	43	6	970	0	1.1	3000	0	6920
22	18	4	36	19	970	0	0.8	3000	0	6920
22	19	4	36	19	970	0	0.8	3000	0	6920
22	20	4	36	19	970	0	0.8	3000	0	6920
22	21	4	34	19	970	270	0.8	3000	0	6920
22	22	4	34	19	970	270	0.8	3000	0	6920
22	23	4	31	25	970	270	0.6	3000	0	6920
22	24	4	31	25	970	270	0.6	3000	0	6920
23	1	4	31	25	969	270	0.6	3000	0	6900
23	2	4	29	31	969	270	0.6	3000	0	6900
23	3	4	29	61	969	0	0.3	3000	0	6900
23	4	4	29	61	969	0	0.3	3000	0	6900
23	5	4	29	61	969	0	0.3	3000	0	6900

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  N  S Time Zone:

Longitude:  °  E  W

Station Elevation (MSL) [m]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
23	6	4	36	44	989	270	0.3	3000	0	6900
23	7	4	36	44	989	270	0.3	3000	0	6900
23	8	4	36	44	989	270	0.3	3000	0	6900
23	9	4	41	17	989	225	1.1	3000	0	6900
23	10	4	41	17	989	225	1.1	3000	0	6900
23	11	4	41	17	989	225	1.1	3000	0	6900
23	12	4	45	7	989	270	1.7	3000	0	6900
23	13	4	45	7	989	270	1.7	3000	0	6900
23	14	4	45	7	989	270	1.7	3000	0	6900
23	15	4	44	9	989	270	1.7	3000	0	6900
23	16	4	44	9	989	270	1.7	3000	0	6900
23	17	4	44	9	989	270	1.7	3000	0	6900
23	18	4	38	11	989	225	1.4	3000	0	6900
23	19	4	38	11	989	225	1.4	3000	0	6900
23	20	4	38	11	989	225	1.4	3000	0	6900
23	21	4	32	21	989	270	0.8	3000	0	6900
23	22	4	32	21	989	270	0.8	3000	0	6900
23	23	4	32	21	989	270	0.8	3000	0	6900
23	24	4	31	24	989	270	0.8	3000	0	6900

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  Time Zone:

Longitude:  °

Station Elevation (MSL) [ft]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
24	1	4	31	24	970	270	0.8	3000	0	7190
24	2	4	31	24	970	270	0.8	3000	0	7190
24	3	4	28	51	970	0	0.3	3000	0	7190
24	4	4	28	51	970	0	0.3	3000	0	7190
24	5	4	28	51	970	0	0.3	3000	0	7190
24	6	4	35	46	970	0	0.6	3000	0	7190
24	7	4	35	46	970	0	0.6	3000	0	7190
24	8	4	35	46	970	0	0.6	3000	0	7190
24	9	4	42	11	970	270	1.4	3000	0	7190
24	10	4	42	11	970	270	1.4	3000	0	7190
24	11	4	42	11	970	270	1.4	3000	0	7190
24	12	4	45	8	970	90	1.7	3000	0	7190
24	13	4	45	8	970	90	1.7	3000	0	7190
24	14	4	45	8	970	90	1.7	3000	0	7190
24	15	4	44	7	970	180	1.7	3000	0	7190
24	16	4	44	7	970	180	1.7	3000	0	7190
24	17	4	44	7	970	180	1.7	3000	0	7190
24	18	4	39	16	970	0	1.4	3000	0	7190
24	19	4	39	16	970	0	1.4	3000	0	7190

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  N  S Time Zone:

Longitude:  °  E  W

Station Elevation (MSL) [m]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
24	20	4	39	16	970	0	1.4	3000	0	7190
24	21	4	36	17	970	0	1.4	3000	0	7190
24	22	4	36	17	970	0	1.4	3000	0	7190
24	23	4	36	17	970	0	1.4	3000	0	7190
24	24	4	33	23	970	0	0.8	3000	0	7190
25	1	4	33	23	970	0	0.8	3000	0	6520
25	2	4	33	23	970	0	0.8	3000	0	6520
25	3	4	31	64	970	0	0.3	3000	0	6520
25	4	4	31	64	970	0	0.3	3000	0	6520
25	5	4	31	64	970	0	0.3	3000	0	6520
25	6	4	35	53	970	180	0.6	3000	0	6520
25	7	4	35	53	970	180	0.6	3000	0	6520
25	8	4	35	53	970	180	0.6	3000	0	6520
25	9	4	41	22	970	0	0.8	3000	0	6520
25	10	4	41	22	970	0	0.8	3000	0	6520
25	11	4	41	22	970	0	0.8	3000	0	6520
25	12	4	46	8	970	225	1.1	3000	0	6520
25	13	4	46	8	970	225	1.1	3000	0	6520
25	14	4	46	8	970	225	1.1	3000	0	6520

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  N  S Time Zone:

Longitude:  °  E  W

Station Elevation (MSL) [m]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
25	15	4	44	11	970	0	1.1	3000	0	6520
25	16	4	44	11	970	0	1.1	3000	0	6520
25	17	4	44	11	970	0	1.1	3000	0	6520
25	18	4	39	24	970	0	0.8	3000	0	6520
25	19	4	39	24	970	0	0.8	3000	0	6520
25	20	4	39	24	970	0	0.8	3000	0	6520
25	21	4	37	35	970	45	0.6	3000	0	6520
25	22	4	37	35	970	45	0.6	3000	0	6520
25	23	4	37	35	970	45	0.6	3000	0	6520
25	24	4	36	43	970	0	3.9	3000	0	6920
26	1	4	36	43	970	0	3.9	3000	0	6920
26	2	4	36	43	970	0	3.9	3000	0	6920
26	3	4	32	60	970	0	2.5	3000	0	6920
26	4	4	32	60	970	0	2.5	3000	0	6920
26	5	4	32	60	970	0	2.5	3000	0	6920
26	6	4	35	49	970	90	4.2	3000	0	6920
26	7	4	35	49	970	90	4.2	3000	0	6920
26	8	4	35	49	970	90	4.2	3000	0	6920
26	9	4	40	26	970	90	5	3000	0	6920

Windows taskbar showing icons for Explorer, Applications, 3-Service, Reference, P2, New, Character, Paper, A.m., Asse, valid, Char, AER, AER, AER, and system tray with clock 12:28.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  Time Zone:

Longitude:  °

Station Elevation (MSL) [m]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
26	10	4	40	26	970	90	5	3000	0	6920
26	11	4	40	26	970	90	5	3000	0	6920
26	12	4	34	34	970	225	4.7	3000	0	6920
26	13	4	34	34	970	225	4.7	3000	0	6920
26	14	4	34	34	970	225	4.7	3000	0	6920
26	15	4	35	40	970	45	3.6	3000	0	6920
26	16	4	35	40	970	45	3.6	3000	0	6920
26	17	4	35	40	970	45	3.6	3000	0	6920
26	18	4	25	83	970	135	1.1	3000	0	6920
26	19	4	25	83	970	135	1.1	3000	0	6920
26	20	4	25	83	970	135	1.1	3000	0	6920
26	21	4	26	80	970	0	1.1	3000	0	6920
26	22	4	26	80	970	0	1.1	3000	0	6920
26	23	4	26	80	970	0	1.1	3000	0	6920
26	24	4	25	90	970	0	0.6	3000	0	6920
27	1	4	25	90	970	0	0.6	3000	0	6410
27	2	4	25	90	970	0	0.6	3000	0	6410
27	3	4	26	84	970	0	0.8	3000	0	6410
27	4	4	26	84	970	0	0.8	3000	0	6410

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

Station ID: 1 City: JHARSUGUDA State: OD

Latitude: 21.85 ° N Time Zone: UTC+5 (Samabad)

Longitude: 84.0 ° W

Station Elevation (MSL) [ft]: 225 (Optional)

Search Stations...

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
27	5	4	26	84	970	0	0.8	3000	0	6410
27	6	4	30	56	970	315	1.7	3000	0	6410
27	7	4	30	56	970	315	1.7	3000	0	6410
27	8	4	30	56	970	315	1.7	3000	0	6410
27	9	4	35	42	970	90	2.5	3000	0	6410
27	10	4	35	42	970	90	2.5	3000	0	6410
27	11	4	35	42	970	90	2.5	3000	0	6410
27	12	4	38	31	970	90	3	3000	0	6410
27	13	4	38	31	970	90	3	3000	0	6410
27	14	4	38	31	970	90	3	3000	0	6410
27	15	4	26	75	970	270	1.1	3000	0	6410
27	16	4	26	75	970	270	1.1	3000	0	6410
27	17	4	26	75	970	270	1.1	3000	0	6410
27	18	4	27	68	970	180	0.8	3000	0	6410
27	19	4	27	68	970	180	0.8	3000	0	6410
27	20	4	27	68	970	180	0.8	3000	0	6410
27	21	4	26	86	970	0	0.6	3000	0	6410
27	22	4	26	86	970	0	0.6	3000	0	6410
27	23	4	26	86	970	0	0.6	3000	0	6410

Windows taskbar showing icons for Explorer, Hars..., W3 App..., W3 3.S..., W3 Refe..., W3 P2 - ..., New..., Char..., Paper..., A.m..., Asse..., valid..., Char..., AER..., AER..., AER..., and system tray with clock 12:28.

Hourly Surface File Maker (SAMSON Format)

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  N  S Time Zone:

Longitude:  °  E  W

Station Elevation (MSL) [m]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
27	24	4	25	90	970	0	0.6	3000	0	6410
28	1	4	25	90	970	0	0.6	3000	0	6830
28	2	4	25	90	970	0	0.6	3000	0	6830
28	3	4	25	99	970	0	0.3	3000	0	6830
28	4	4	25	99	970	0	0.3	3000	0	6830
28	5	4	25	99	970	0	0.3	3000	0	6830
28	6	4	29	61	970	180	0.8	3000	0	6830
28	7	4	29	61	970	180	0.8	3000	0	6830
28	8	4	29	61	970	180	0.8	3000	0	6830
28	9	4	34	41	970	270	1.1	3000	0	6830
28	10	4	34	41	970	270	1.1	3000	0	6830
28	11	4	34	41	970	270	1.1	3000	0	6830
28	12	4	38	33	970	135	1.1	3000	0	6830
28	13	4	38	33	970	135	1.1	3000	0	6830
28	14	4	38	33	970	135	1.1	3000	0	6830
28	15	4	35	32	970	45	1.1	3000	0	6830
28	16	4	35	32	970	45	1.1	3000	0	6830
28	17	4	35	32	970	45	1.1	3000	0	6830
28	18	4	32	54	970	45	0.8	3000	0	6830

Windows taskbar showing icons for Explorer, Hars..., App..., 3.S..., Refe..., P2..., New..., Char..., Paper..., A.m..., Asse..., valid..., Char..., AER..., AER..., AER..., and system tray with clock 12:28.



File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  N  S Time Zone:

Longitude:  °  E  W

Station Elevation (MSL) [ft]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
29	14	4	38	32	972	0	1.1	3000	0	6440
29	15	4	34	41	972	315	0.8	3000	0	6440
29	16	4	34	41	972	315	0.8	3000	0	6440
29	17	4	34	41	972	315	0.8	3000	0	6440
29	18	4	30	54	972	45	0.8	3000	0	6440
29	19	4	30	54	972	45	0.8	3000	0	6440
29	20	4	30	54	972	45	0.8	3000	0	6440
29	21	4	29	63	972	0	0.6	3000	0	6440
29	22	4	29	63	972	0	0.6	3000	0	6440
29	23	4	29	63	972	0	0.6	3000	0	6440
29	24	4	28	65	972	0	0.6	3000	0	6440
30	1	4	28	65	971	0	0.6	3000	0	6880
30	2	4	28	65	971	0	0.6	3000	0	6880
30	3	4	26	76	971	0	0.6	3000	0	6880
30	4	4	26	76	971	0	0.6	3000	0	6880
30	5	4	26	76	971	0	0.6	3000	0	6880
30	6	4	31	53	971	270	0.8	3000	0	6880
30	7	4	31	53	971	270	0.8	3000	0	6880
30	8	4	31	53	971	270	0.8	3000	0	6880

Windows taskbar showing icons for Explorer, Applications, 3 Services, Reference, P2, New, Character, Paper, A, Asse, valid, Char, AER, AER, AER, and system tray with clock 12:28.

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  N  S Time Zone:

Longitude:  °  E  W

Station Elevation (MSL) [m]:  (Optional)

Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
[7]	[8]	[10]	[11]	[12]	[13]	[15]	[21]	[3]		
30	9	4	36	31	971	270	1.1	3000	0	6880
30	10	4	36	31	971	270	1.1	3000	0	6880
30	11	4	36	31	971	270	1.1	3000	0	6880
30	12	4	37	29	971	225	1.1	3000	0	6880
30	13	4	37	29	971	225	1.1	3000	0	6880
30	14	4	37	29	971	225	1.1	3000	0	6880
30	15	4	36	36	971	45	0.8	3000	0	6880
30	16	4	36	36	971	45	0.8	3000	0	6880
30	17	4	36	36	971	45	0.8	3000	0	6880
30	18	4	32	47	971	0	0.8	3000	0	6880
30	19	4	32	47	971	0	0.8	3000	0	6880
30	20	4	32	47	971	0	0.8	3000	0	6880
30	21	4	30	60	971	0	0.6	3000	0	6880
30	22	4	30	60	971	0	0.6	3000	0	6880
30	23	4	30	60	971	0	0.6	3000	0	6880
30	24	4	29	63	971	0	0.6	3000	0	6880
31	1	4	29	63	969	0	0.6	3000	0	6530
31	2	4	29	63	969	0	0.6	3000	0	6530
31	3	4	27	61	969	180	0.6	3000	0	6530

Windows taskbar showing icons for Explorer, Internet Explorer, Hars..., W3 App..., W3 3.S..., W3 Refe..., W3 P2 - ..., New..., Char..., Paper..., A.m..., Asse..., valid..., Char..., AER..., AER..., AER..., and system tray with clock 12:29.

File Tools

Data Fields Station Information

Station ID:  City:  State:

Latitude:  °  N  S Time Zone:

Longitude:  °  E  W

Station Elevation (MSL) [m]:  (Optional)

Day	Hour	Opaque Cloud Cover (tenths)	Dry Bulb Temperature (deg C)	Relative Humidity (%)	Station Pressure (mbar)	Wind Direction (deg)	Wind Speed (m/s)	Ceiling Height (m)	Hourly Precipitation Amount (Hundredths of inches)	Global Horizontal Radiation (W/m <sup>2</sup> )
31	4	4	27	61	989	180	0.6	3000	0	6530
31	5	4	27	61	989	180	0.6	3000	0	6530
31	6	4	29	61	989	180	0.6	3000	0	6530
31	7	4	29	61	989	180	0.6	3000	0	6530
31	8	4	29	61	989	180	0.6	3000	0	6530
31	9	4	32	41	989	180	1.1	3000	0	6530
31	10	4	32	41	989	180	1.1	3000	0	6530
31	11	4	32	41	989	180	1.1	3000	0	6530
31	12	4	36	38	989	45	1.7	3000	0	6530
31	13	4	36	38	989	45	1.7	3000	0	6530
31	14	4	36	38	989	45	1.7	3000	0	6530
31	15	4	35	39	989	45	1.7	3000	0	6530
31	16	4	35	39	989	45	1.7	3000	0	6530
31	17	4	35	39	989	45	1.7	3000	0	6530
31	18	4	31	54	989	45	0.8	3000	0	6530
31	19	4	31	54	989	45	0.8	3000	0	6530
31	20	4	31	54	989	45	0.8	3000	0	6530
31	21	4	31	51	989	135	1.1	3000	0	6530
31	22	4	31	51	989	135	1.1	3000	0	6530

Windows taskbar showing icons for Explorer, Hars..., App..., 3.S..., Refe..., P2..., New..., Char..., Paper..., A.m..., Asse..., valid..., Char..., AER..., AER..., AER..., and system tray with clock 12:29.

