AV-Trend Sample Reports

March, 2011

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Real-Time Displays

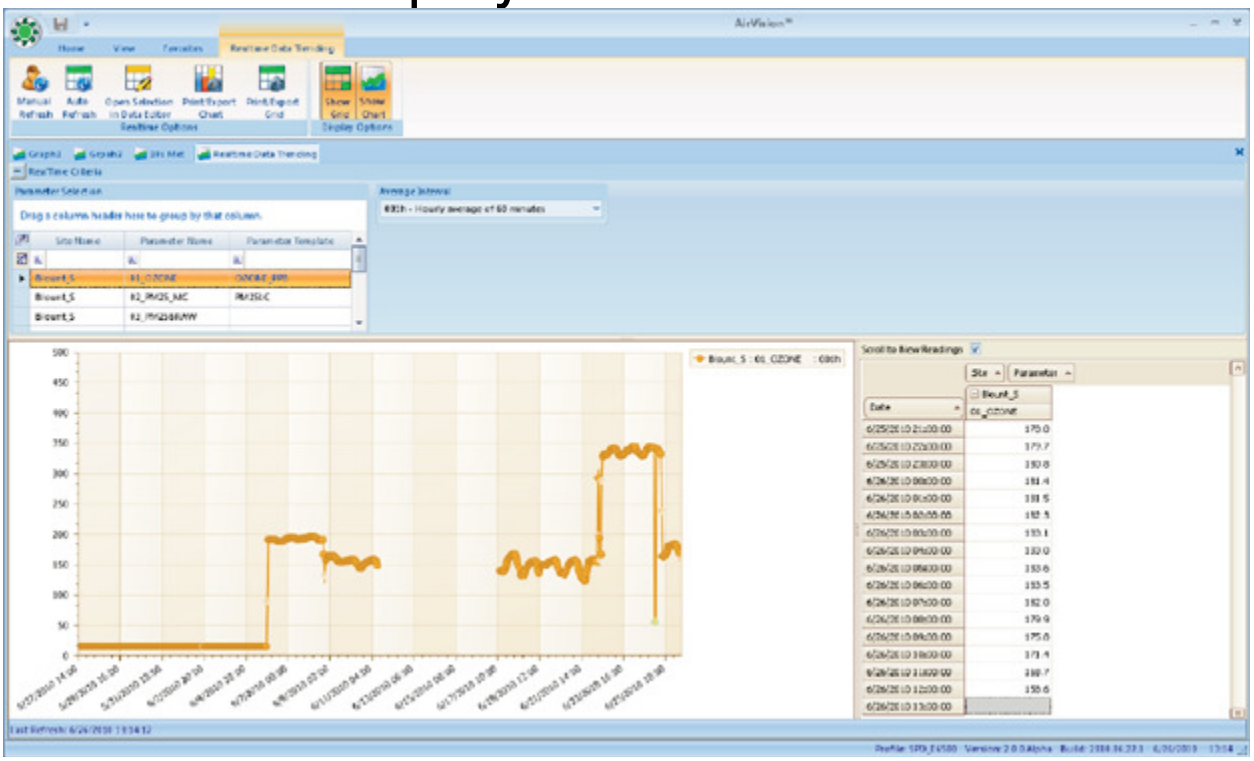
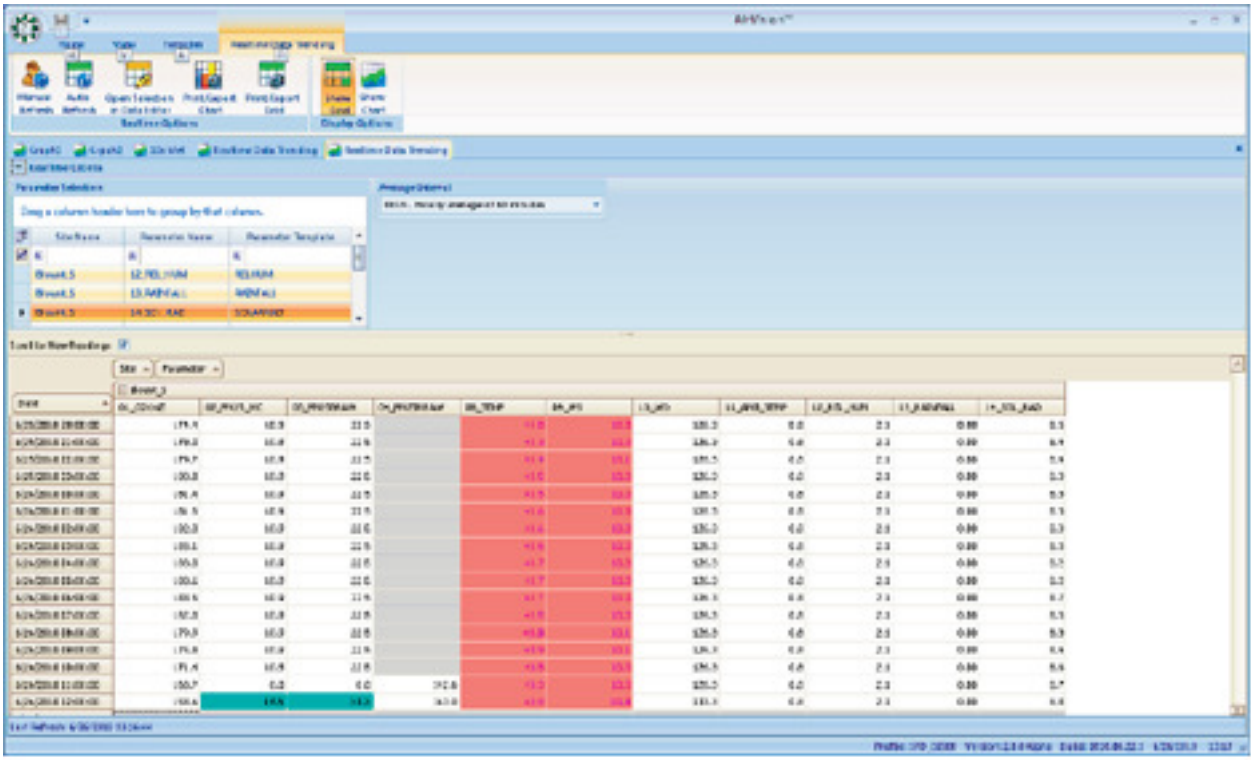


Chart + Tabular Display

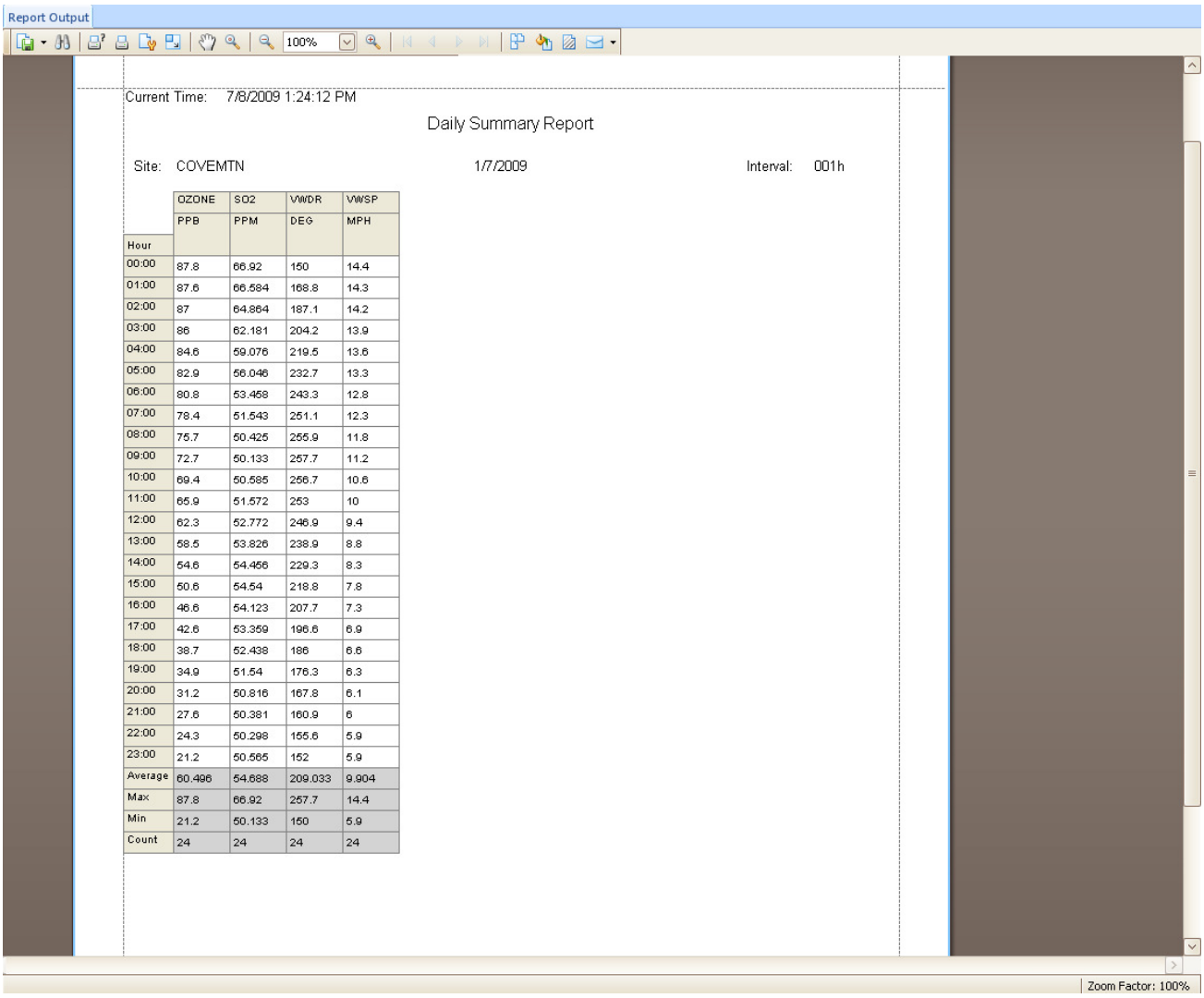


Tabular Display Only

Routine Reports

Daily Summary Report

This report is usually used for the daily summary of hourly data for all parameters at a site (or a range of selected sites), but can be used to report any time range or average interval. Statistics are provided at the bottom of each column.



Hour	OZONE PPB	SO2 PPM	VWDR DEG	VWSP MPH
00:00	87.8	66.92	150	14.4
01:00	87.6	66.584	168.8	14.3
02:00	87	64.864	187.1	14.2
03:00	86	62.181	204.2	13.9
04:00	84.6	59.076	219.5	13.6
05:00	82.9	56.046	232.7	13.3
06:00	80.8	53.458	243.3	12.8
07:00	78.4	51.543	251.1	12.3
08:00	75.7	50.425	255.9	11.8
09:00	72.7	50.133	257.7	11.2
10:00	69.4	50.585	256.7	10.6
11:00	65.9	51.572	253	10
12:00	62.3	52.772	246.9	9.4
13:00	58.5	53.826	238.9	8.8
14:00	54.6	54.456	229.3	8.3
15:00	50.6	54.54	218.8	7.8
16:00	46.6	54.123	207.7	7.3
17:00	42.6	53.359	196.6	6.9
18:00	38.7	52.438	186	6.6
19:00	34.9	51.54	176.3	6.3
20:00	31.2	50.816	167.8	6.1
21:00	27.6	50.381	160.9	6
22:00	24.3	50.298	155.6	5.9
23:00	21.2	50.565	152	5.9
Average	60.496	54.688	209.033	9.904
Max	87.8	66.92	257.7	14.4
Min	21.2	50.133	150	5.9
Count	24	24	24	24

This report is also available as a “Basic Data Export” report that removes all summary information at the bottom, and all page breaks, so vast periods of data of any average interval (hour, minute, N-minute) and any number of site/parameters can be exported as columns. This is the best output format for import into spreadsheets or other programs.

Monthly Report

This report provides a matrix view of a single parameter, showing values for the entire month. Invalid or flagged data is shown with a color background or font change defining the data condition. Statistics are provided for each row (day) and column (hour).

Current Date: 3/1/2010 10:47 AM
Site Name: Blount_S
Parameter: 01_OZONE

Monthly Report
January 2006

Avg Interval: 1 hour
Units: PPB

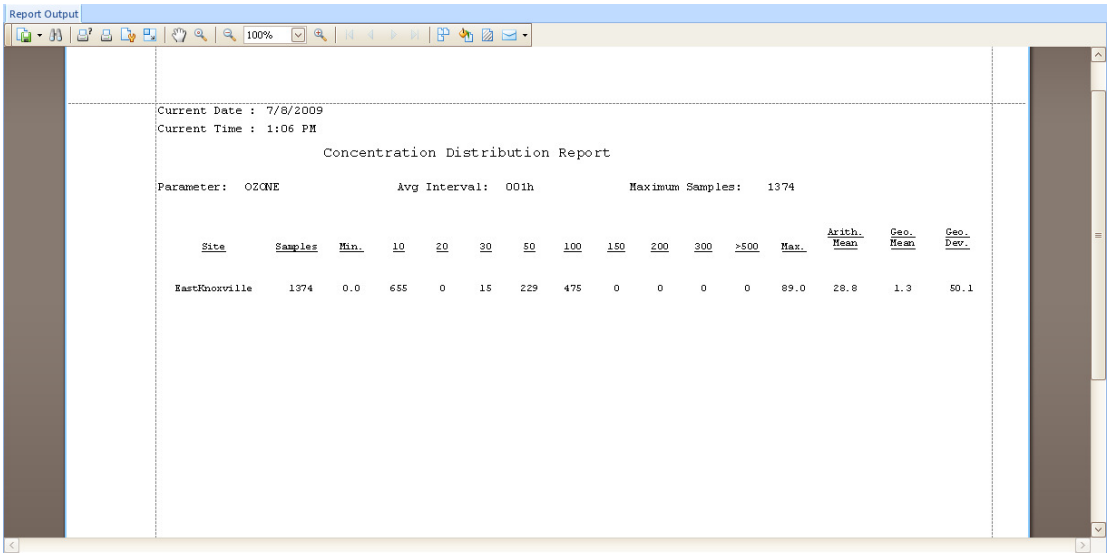
Hours

Day	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Summary		
																									Avg	Max	RDS
01	34.615	18.4	17.2	18.7	18.2	16.5	14.4	13.6	13.9	14	15.7	15.5	16.2	15.8	15.3	13.5	10.4	7.7	6.4	5.4	3.9	1.2	1.6	.6 E	114.2	429.6	49
02	<	.9	1.6	.6	.6	.6 E	.7	1.6	3.6	8.1	9.7	11.4	11.7	9.9	8.8	8.6	4.7	4.1	6.6	7.8	9.1	9.7	10.5	7.7	6	11.7	23
03	<	7.2	5.8	6.8	10.6	14.6	16.8	19.1	24.1	24.4	26	27.4	30.4	30.9	32.3	32.2	32.1	30.8	29.8	29	27.2	20.4	16.6	19.8	22.4	32.3	23
04	<	22	23.1	24.3	16.2	17.8	14.2	11.3	16.2	26	26.6	30.5	29.9	30.9	29.3	28.4	27.1	22.6	24.9	40.9	38.9	37.1	35.2	33.8	26.4	40.9	23
05	<	21.3	24.2	23	21.7	22.1	19.2	16.7	15.3	14.8	13.7	11.9	10	9.4	5.9	4.4	1.6	.6 E	.6 E	.6 E	.6 E	.6 E	4.1	9.3	10.9	24.2	23
06	<	17	18.5	19.5	20.1	19.4	18.6	18.1	17.6	16.8	17.9	19.8	22.4	22.2	22.8	22.5	26.8	31.2	27.3	22.8	27.7	28.5	27.9	27.7	22.3	31.2	23
07	<	26.7	25.3	24	22.9	30.2	31.9	32.3	33.4	35.5	36.1	36.8	38.2	38.7	38.9	38.5	33.2	26.1	26.6	25.7	29.5	28.9	27.2	30.4	31.2	38.9	23
08	<	29.1	27.3	24.6	22.2	19.6	17.4	15.3	13.9	14.4	15	14.4	15.2	18.7	19	16	11.4	10.2	9	10.7	11.9	15.4	16.5	15.1	16.6	29.1	23
09	<	13.8	13.3	13.7	16.4	17.1	16.9	17	19.3	20	20.1	19.5	21.3	26.1	21.3	13	<	<	12.3 P	0 E	15.7	17.8	20.4	20.8	16.9	26.1	21
10	<	19	21.5	24.1	26.9	28.6	28.4	28.6	29.2	31.7	31	28.4	28.1	28.1	30.4	31.2	27.7	13.9	16.2	18.4	20	17	19	20.7	24.7	31.7	23
11	<	14.3	13.7	14.8	11.5	9.4	8.9	12	20.7	24.9	30.3	35.3	36.1	35.4	34	32.3	31.5	28.3	25.6	28.1	26.5	28.9	23.8	15.2	23.5	36.1	23
12	<	23.8	22.7	19.9	15.8	13.7	13.7	13.6	14.5	14.9	16.2	17.5	<	<	24.5	23.6	13.2	5	5.7	10.4	9.3	8.8	8.9	4	14.3	24.5	21
13	<	4.1	4.7	5.6	4.5	4.6	3.5	2.6	6.9	10.1	12.2	18.3	33.7	36.9	34.7	32.2	31.9	33.1	28.1	32.1	33.6	30.7	30.1	32.1	20.3	36.9	23
14	<	34.3	34.2	33	32.3	32.6	34.2	35.4	34	33.9	38.2	35.2	34.9	33	29.6	25.3	17.1	12.3	14.7	20.9	25.4	26.6	30.5	34.4	29.7	38.2	23
15	<	33.7	33.3	32.7	33.3	34.4	35	35.7	37.2	38.4	39.1	39.2	39.2	39.1	39.5	39.7	39.6	38.7	38	38	37.1	37	36.4	35.8	37	39.7	23
16	<	34.6	34	32.2	30	29.7	27.9	25.9	29.1	32.4	33.3	34	34.8	35.4	34.8	33.6	30.3	26.8	21.5	20.3	17.4	16.5	18.1	18.4	28.3	35.4	23
17	<	18.8	19.6	16	15.9	9.6	7	5.6	12.2	23.6	23.5	26.1	29.1	29.4	31	28.6	32.6 P	<	<	<	32.6	30	30.8	33.6	22.8	33.6	20
18	<	38.6	38.6	37.7	38.2	38.4	38.4	37.4	36.1	35.3	35.5	39.5	41.4	40	19.2	1.6	3.7	9.4	11.4	10.6	13.2	16.1	20.3	25.2	27.2	41.4	23
19	<	29.2	29.2	29.1	28.7	27.8	27.2	26.1	27	27.4	27.7	27.3	27.8	29.3	29.5	28	21.9	9.3	14	23.8	21.2	20	18.5	18.9	24.7	29.5	23
20	<	20.6	18.5	13.9	12	12	10.1	8.6	8.6	16.9	12.6	14.9	10	12.4	9.5	5.9	6.1	4.1	4.4	4.7	6	8	10	8.5	10.4	20.6	23
21	<	14.9	16	17	23.2	30.2	28.9	29.8	31.1	28.4	28.1	31.5	29.6	29.8	<	<	<	<	<	<	<	<	33.4	33.5	27	33.5	15
22	<	33.4	33.2	34.2	36.7	36.7	34.9	32.7	32	34.1	34.7	36.3	37.4	38.6	39.1	38.1	32.9	22.7	17	23.9	18.9	17.8	19.1	20.7	30.7	39.1	23
23	<	26	32.4	33	33	31.7	33.8	34.9	36	35.2	35.5	32.4	28.7	28	28.5	28.3	24.1	21.5	19.6	20.9	19.9	19.8	22.6	22.2	28.2	36	23
24	<	17.9	16.6	15.9	14.5	9.6	5.2	8.8	10.6	20.7	27.6	30.3	31.8	33	33	32.5	27.8	30.9	32.2	29.3	28.5	28.5	26.7	21.2	23.2	33	23
25	<	14.9	12.6	9.2	7.3	6.1	10.7	12.8	10	16.7	23	21.3	18.4	20.1	20.9	20.2	18.6	16.6	15.1	17.1	24.1	26.6	26	25.7	17.1	26.6	23
26	<	24.3	25.3	26.3	26.6	26.6	26.8	26	25.7	26.6	27.5	28.6	<	<	26.5	27.8	27.6	27.6	27.5	27.6	27.8	27.7	28.1	27.6	27	28.6	21
27	<	25.6	24.5	22.4	19.7	15.8	15.5	11.4	14.9	20	25.1	28.3	29.4	31.6	34.2	33.6	26.5	16.9	16.1	22.4	19.1	13.5	13.5	13.8	21.5	34.2	23
28	<	12.3	14.3	14.5	14.4	15.2	13.6	12.5	13.2	16.6	24.8	28.5	26.7	26.4	25.5	23.5	21.5	20.8	21	19.7	15.3	15.3	12.8	10.2	18.2	28.5	23
29	<	5.8	6.6	4.9	4.9	3.4	3.7	2.4	7.4	9.6	12.7	15.4	21.1	28.7	28.5	25.3	25.3	24.2	20.3	18.2	20.2	21.5	14.9	12.6	14.7	28.7	23
30	<	12.5	13.6	13.3	13.7	11.2	7.9	8.3	10.3	14.8	15.5	24.2	26.6	28	26.1	23	21.6	21.5	21.6	22	22.2	23.2	23.8	25.3	18.7	28	23
31	<	25.2	27.2	27.3	27	27	26.4	26.7	26.9	26.8	27.4	24.5	24	24.7	23.8	22.7	22.9	22.4	21.3	19	16.2	15.2	21.9	24.1	23.9	27.4	23
Max	429.6	38.6	38.6	37.7	38.2	38.4	38.4	37.4	37.2	38.4	39.1	39.5	41.4	40	39.5	39.7	39.6	38.7	38	40.9	38.9	37.1	36.4	35.8	429.6	429.6	429.6
Average	204.6	20.7	20.9	20.4	20	19.7	19.1	18.8	20.4	23	24.6	25.9	27	27.9	26.5	24.5	22.5	19.3	18.4	19.7	20.6	20.3	20.9	20.9	28.4	28.4	28.4
Count	26	31	31	31	31	31	31	31	31	31	31	31	29	29	30	30	29	28	29	29	30	30	31	31	722	722	722

Quality Assurance / Analysis Reports

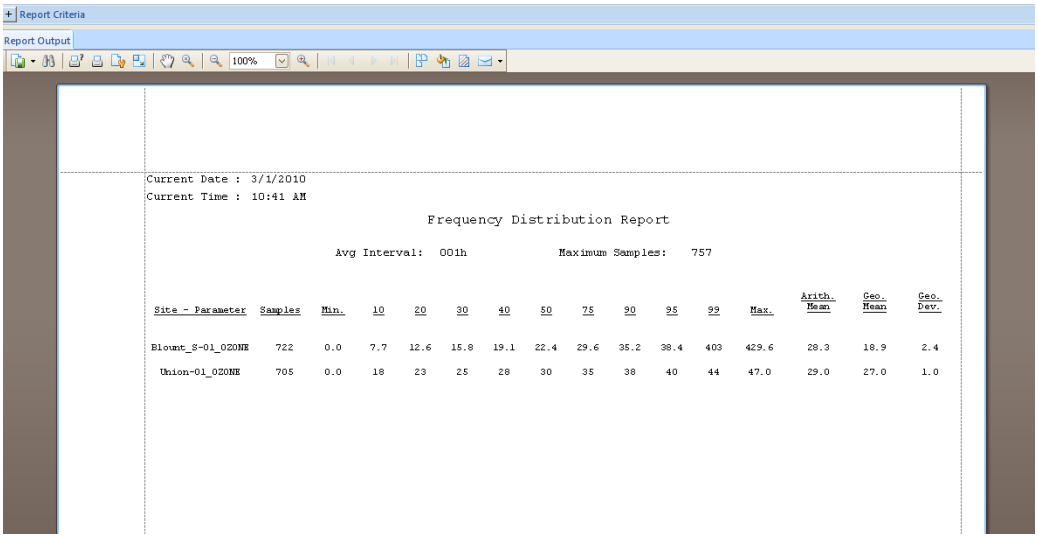
Concentration Distribution Report

This report shows the number of readings that fall into user-defined concentration ranges. The user defines the concentration ranges for each parameter type in the Frequency/Concentration Report Editor.



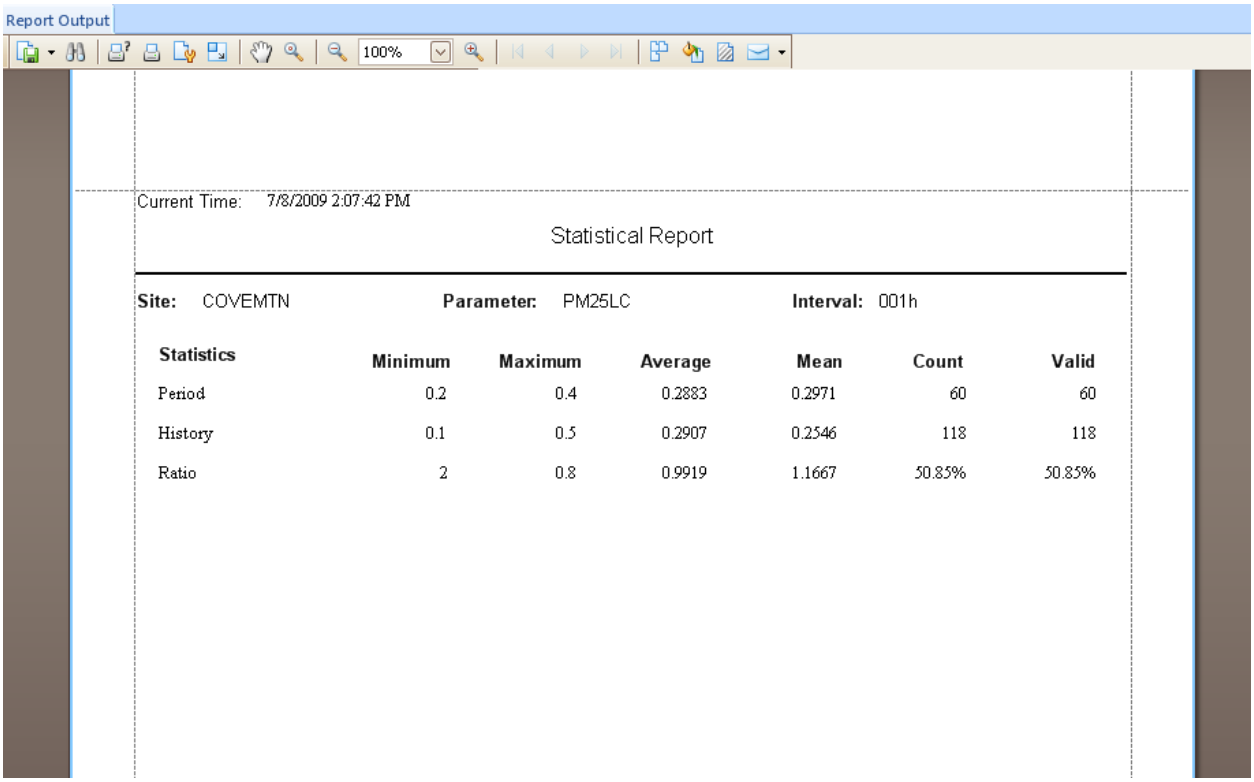
Frequency Distribution Report

A companion to the Concentration Distribution report, this reports shows the concentration values that correspond to user-defined percentiles (e.g., 95th percentile, etc). The user can define frequency breakpoints for each parameter type.



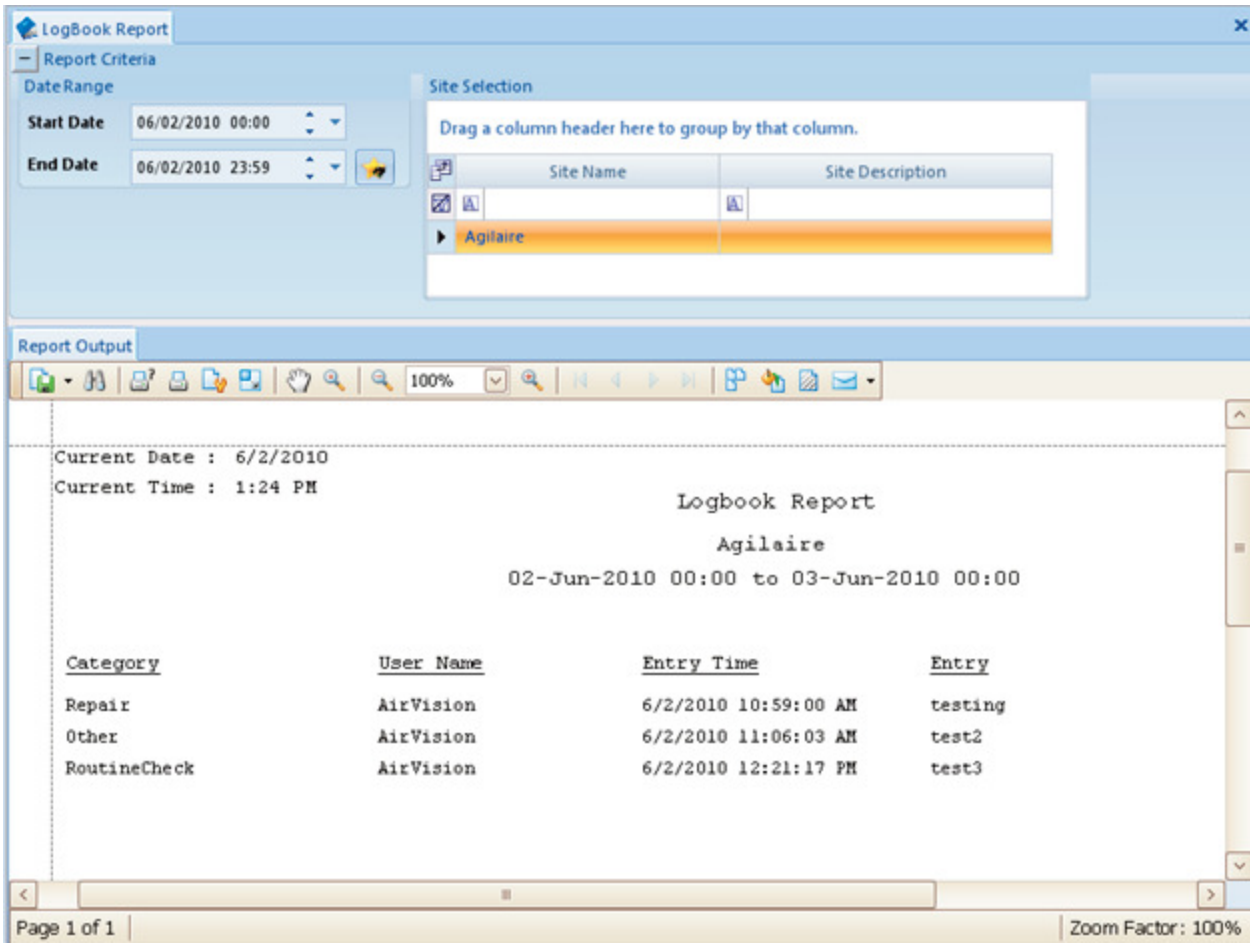
Statistical Report

This report provides statistics for any defined time range, as well as a comparison against previous years of the same parameter and date/time range, with calculated ratios. This report is similar to the Statistical functions in the Data Editor and used to identify outliers.



Logbook Report

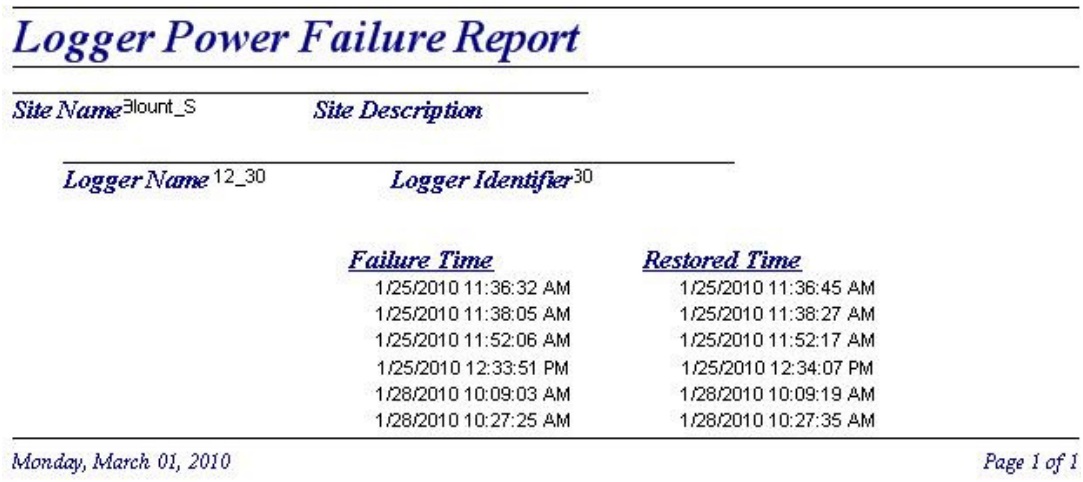
This report provides a summary of logbook entries made by the users and operators.



Data Logger Reports

Power Failure Report

This report shows the starting and ending time of a power failure detected by the logger.



Logger Power Failure Report

Site Name Blount_S *Site Description*

Logger Name 12_30 *Logger Identifier* 30

Failure Time	*Restored Time*
1/25/2010 11:36:32 AM	1/25/2010 11:36:45 AM
1/25/2010 11:38:05 AM	1/25/2010 11:38:27 AM
1/25/2010 11:52:06 AM	1/25/2010 11:52:17 AM
1/25/2010 12:33:51 PM	1/25/2010 12:34:07 PM
1/28/2010 10:09:03 AM	1/28/2010 10:09:19 AM
1/28/2010 10:27:25 AM	1/28/2010 10:27:35 AM

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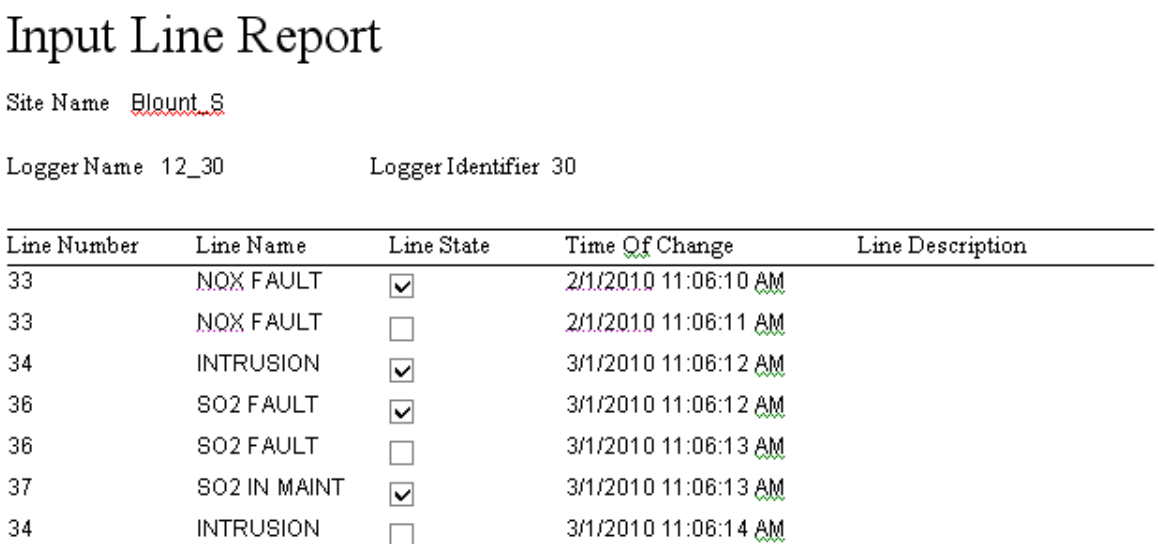
Input Status Line Change Report

This report shows the time and state of a status input line change detected by the logger.



Input Line Report

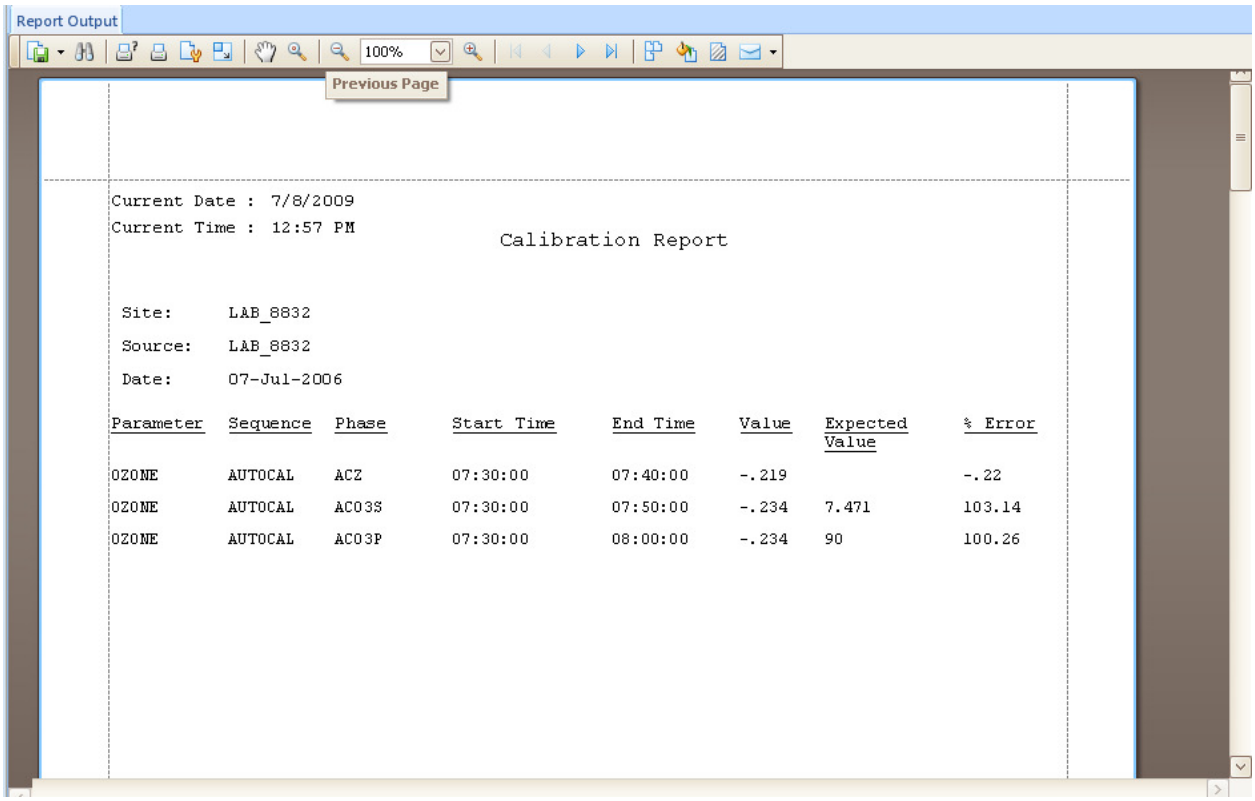
Site Name Blount_S

Logger Name 12_30 Logger Identifier 30

Line Number	Line Name	Line State	Time Of Change	Line Description
33	NOX FAULT	☑	2/1/2010 11:06:10 AM	
33	NOX FAULT	☐	2/1/2010 11:06:11 AM	
34	INTRUSION	☑	3/1/2010 11:06:12 AM	
36	SO2 FAULT	☑	3/1/2010 11:06:12 AM	
36	SO2 FAULT	☐	3/1/2010 11:06:13 AM	
37	SO2 IN MAINT	☑	3/1/2010 11:06:13 AM	
34	INTRUSION	☐	3/1/2010 11:06:14 AM	

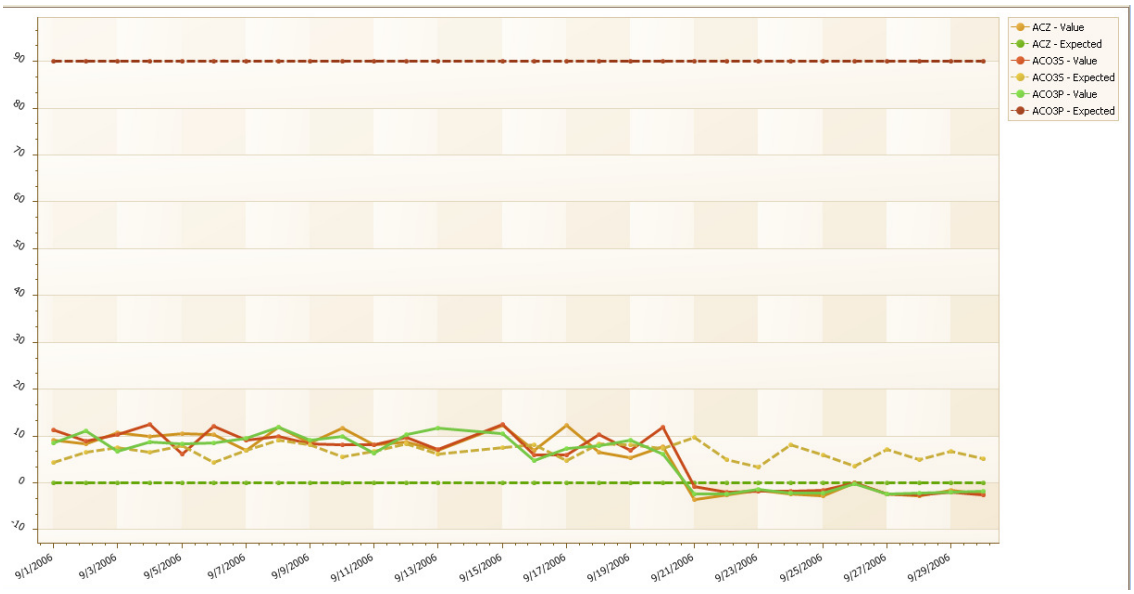
Calibration Report

This report shows the calibration event and results for any zero/span or precision check.



Cal Trend Graph

This graph provides a long-term view of calibration zero/span results over a user-defined period of time (month, quarter, etc).



Calibration Response Graph

This graph combines calibration records with 1-minute data records to create a graph of the analyzer response over a single calibration. The back/next button can be used to quickly cycle through several days in a single query.