

January 27, 2011

First Solar Inc.
5115 Blackwell Sideroad
Sarnia, Ontario
N7T 7H3

Attention: Ms. Erin Barrington
ebarrington@firstsolar.com

**Re: Ambient Sound Measurements
Sombra Solar Farm
St. Clair, Ontario
VCL File: 110-286**

VIA E-MAIL

Dear Ms. Barrington:

1.0 INTRODUCTION AND SITE DESCRIPTION

Valcoustics Canada Ltd. (VCL) was retained to conduct (baseline) ambient sound level monitoring at locations around the proposed Sombra solar farm development in St. Clair, Lambton County, Ontario.

The proposed development will consist of a 20 MW solar farm. The noise generation from the development will be from twenty (20) enclosed inverter/transformer substations located throughout the development. Each of the twenty substations will be rated a 1 MW each.

The solar farm site is bounded by:

- Bentpath Line to the north;
- Baseline Road to the west;
- Smith Line to the south; and
- agricultural lands to the east.

Figure 1 shows a key plan.

2.0 RECEPTOR LOCATIONS

Three locations, representing the closest residential receptors to the site, were originally selected for sound level monitoring. However, the resident at one of the locations refused access to their property (Location 3b shown on Figure 2). Thus, long term sound level monitoring was done at only two locations, Locations 1 and 2 on Figure 2. Short term sound measurements were made at a third location on the Sombra solar farm lands at an approximate equal setback distance to Bentpath line

as the dwelling represented by Location 3b. The measurement location is shown as Location 3a on Figure 2 and in terms of the ambient environment is considered acoustically equivalent to Location 3b.

2.1 Long Term Sound Monitoring

The ambient sound environment was monitored at two locations representing the closest existing residential dwellings to the solar farm. The two locations were:

- Location 1 – residential dwelling located at the southwest corner of Bentpath line and Baseline Road; and
- Location 2 – residential dwelling located on the north side of Smith Line, directly south of the development.

Continuous unattended sound level monitoring measurements were made simultaneously at these two locations immediately adjacent to the proposed solar farm from December 2nd through to December 6th, 2010.

2.2 Short Term Sound Monitoring

Location 3a represents the dwelling on the south side of Bentpath Line, just east of the north end of the solar farm. As mentioned above, the resident did not consent to monitoring on the property. Thus, short term ambient measurements (about 20 minutes) were made during the late morning on the solar farm lands at approximately the same set back distance to the roadway as the dwelling, shown as Location 3b on Figure 2.

3.0 MONITORING EQUIPMENT

3.1 Long Term Monitoring

Continuous unattended sound level monitoring was completed at Locations 1 and 2 for a measurement duration of approximately 84 hours (each location) from December 2nd through to December 6th, 2010.

The measurements at each location were made at a height of 1.5 m above grade, using ACO Pacific microphones with ACO Pacific model 4052 pre-amplifiers connected to a Metrosonics dB 604 precision sound level analyser. The systems were calibrated for each measurement location using Brüel and Kjaer Type 4251 precision acoustic calibrator.

The dB 604 analyser at Location 2 included a tripod mounted wind anemometer to inhibit the measurement acquisition for wind speeds greater than 20 kph. The dB 604 at Location 1 was not equipped with an anemometer and therefore, data acquisition was not inhibited for wind speeds

greater than 20 kph. Wind screens were provided on the measuring microphones at both locations. Despite the presence of wind screens, the Ministry of the Environment (MOE) procedures consider sound data to be artificially high for wind speeds greater than 20 kph, due to the wind noise generated at the measuring microphone. The data plot presented later in this report for Location 1 without the wind inhibit identifies the periods when the wind speed was greater than 20 kph, per the meteorological data obtained.

Various acoustical parameters were measured, including the sound exposure in terms of L_{eq} (the Energy Equivalent Continuous Level), and various L_n values (i.e., the sound level exceed for a certain percentage of the time for each measurement interval), as well as L_{max} (the maximum sound level occurring for each interval). Measurement intervals of 20 minutes were used.

All sound measurements were made in accordance with MOE Publication NPC-103, "Procedures".

3.2 Short Term Monitoring

Short term continuous sound level monitoring was undertaken at Location 3a for a measurement duration of approximately 20 minutes on December 6th, 2010.

The measurement was made at a height of 1.5 m above grade, using a Larson Davis model 824 precision sound level meter. The systems were calibrated for each measurement location using Brüel and Kjaer Type 4251 precision acoustic calibrator.

An eight sample per second dBA time history was recorded at this location. The time history data was used to calculate a 20 minute L_{eq} and L_{90} . This was done to be consistent with the data recorded at the long term monitoring locations.

The short term monitor did not include wind inhibit, but was equipped with a wind screen.

All sound measurements were made in accordance with MOE Publication NPC-103, "Procedures".

4.0 WEATHER CONDITIONS

Weather conditions were favourable, overcast with low wind speeds, from the start of the monitoring period until about 1600 on December 4th. After this time wind speeds increased and were generally above 30 kph until end of the monitoring period.

Weather data is included in Appendix A.

5.0 GUIDELINE LIMITS

According to the Acoustic Assessment Report prepared by Golder Associates Ltd., the solar farm site is considered to be in a Class 3 area (i.e., rural). The MOE considers the solar farm a stationary

source of sound. The guideline limits are defined in MOE Publication NPC 232, “*Sound Level Limits for Stationary Sources in Class 3 Areas (Rural)*”. The guideline limits are the *lower* of:

- the background one hour equivalent sound level, $L_{eq}(1)$; or
- the background one hour ninetieth percentile sound level (L_{90}) plus 10 dBA.

This is provided the lowest sound level is not less than the minimum exclusion limit of 45 dBA from 0700 to 1900 hours, and 40 dBA from 1900 to 0700 hours. If so, the exclusion limit applies.

6.0 MEASUREMENT SUMMARY

Figures 3 and 4 show the long term measurement results in terms of L_{eq} , L_{90} , $L_{90} + 10$ dBA and the MOE minimum exclusion limits for a Class 3 area at Locations 1, and 2, respectively.

Figure 5 shows the 20 minute time history as well as the calculated 20 minute L_{eq} , L_{90} , $L_{90} + 10$ dBA and the daytime MOE minimum exclusion limit for a Class 3 area at Location 3a.

6.1 Long Term Monitoring – Location 1

The data at this location is quite typical in that the sound level is higher during the daytime hours and falls during the evening and nighttime hours. This is true except for the period between the evening of December 4th and the end of the monitoring. The sound levels measured during this period are higher than would be expected. This is likely due to the increased wind speeds in the area, which would have influenced the data since there was no wind inhibiting function at this location. There are also a few short duration spikes in the data which occur in the daytime and evening hours. These spikes are likely due to a nearby resident’s dog barking close to the measurement location.

Not including the short duration spikes, the L_{eq} data ranges from about 50 dBA in the daytime to overnight lows of about 28 dBA. L_{90} data ranges from daytime highs of about 43 dBA to nighttime lows of about 25 dBA. The periods where wind speeds exceeded 20 kph are shown in Figure 1.

6.2 Long Term Monitoring – Location 2

The data at this location was also quite typical in that the sound level peaks during the daytime hours and falls during the evening and nighttime hours. As at Location 1, higher than expected sound levels occur on the evening of December 4th to the end of the monitoring period. The elevated sound level is also likely due to the increased wind speeds, although the effect on the data would not be as great as at Location 1, since this monitor would have not recorded data when the wind speeds were greater than 20 kph. There are also a few short duration spikes in the data which occur in the daytime and evening hours, which are also likely due to the nearby resident’s dog barking in close proximity to the measurement location.

Not including the short duration spikes, the L_{eq} data ranges from about 50 dBA in the daytime to overnight lows of about 27 dBA. L_{90} data ranges from daytime highs of about 44 dBA to nighttime lows of about 25 dBA.

6.2 Short Term Monitoring – Location 3

Sound level monitoring at Location 3a was done at about the same setback distance to Bentpath Line as the dwelling at Location 3b. The measurement was done for about 20 minutes from 1112 hours to about 1130 hours on December 6th, 2010.

The measured data indicates the L_{eq} was about 48 dBA and the L_{90} was about 40 dBA. This is essentially the same as the levels at Location 1 to the west along the same road, for the same time period.

7.0 APPLICABLE CRITERIA FOR STATIONARY SOURCE ASSESSMENT

7.1 Location 1

For a majority of the time on December 2, 3 and 4th the $L_{90} + 10$ and the L_{eq} (not including the spikes) were at or below the minimum exclusion limits. Most of the time on the evening of December 4th to the end of the period, the $L_{90} + 10$ and the L_{eq} were above the minimum exclusion limits. However, this data is not considered valid since winds speeds were greater than 20 kph during this period. For all time periods there was at least one hour where the $L_{90} + 10$ and the L_{eq} were below the minimum exclusion limits. Thus, the MOE minimum exclusion limits would be applicable for stationary source noise assessments.

7.2 Location 2

As above, for a majority of the time on December 2, 3 and 4th the $L_{90} + 10$ and the L_{eq} (not including the spikes) were at or below the minimum exclusion limits. Most of the time from the evening of December 4th to the end of the period, the $L_{90} + 10$ and the L_{eq} were above the minimum exclusion limits. However, for all time periods there was at least one hour where the $L_{90} + 10$ and the L_{eq} were below the minimum exclusion limits. Thus, the MOE minimum exclusions limits would be applicable for stationary source noise assessments.

7.3 Location 3

Although the data recorded at Location 3a indicates a measured L_{eq} greater than the daytime minimum exclusion limit of 45 dBA, it is anticipated that a longer term sound level sample would yield results similar to those obtained at Location 1. This is because both Locations 3a and 3b are at a similar setback distance as Location 1 to the only noise source in the vicinity, Bentpath Line. Thus, as for Location 1, the MOE minimum exclusion limits would define the applicable guideline limits for stationary source noise assessments.

8.0 CONCLUSIONS

- The ambient sound environment was monitored from December 2nd to December 6th, 2010 at two receptor locations representing the closest noise sensitive receptors to the future Sombra solar farm.
- A short term measurement of the ambient environment was done on December 6th, 2010 representing the closest receptor on the northeast side of the proposed solar farm.
- At all locations the MOE minimum exclusion limits for a Class 3 area would define the stationary noise source criteria, based on the sound monitoring measurements made.

Yours truly,

VALCOUSTICS CANADA LTD.

Per: 
Mark Levkoe, B.Sc.E., P.Eng.

Per: 
Terry Harding, B.E.Sc., P.Eng.

ML\THhd
J:\2010\110286\000\Letters\Sombra Solar L#1.wpd

Enclosures



			 30 Wertheim Court, Unit 25 Richmond Hill, Ontario Canada L4B 1B9 Tel: 905-764-5223 Fax: 905-764-6813 solutions@valcoustics.com	Title Key Plan	Project No. 110-286	Date Dec 23, 2010
				Project Name Sombra Solar Farm Ambient Study	Scale N.T.S.	Figure 1
No.	Revision/Issue	Date				

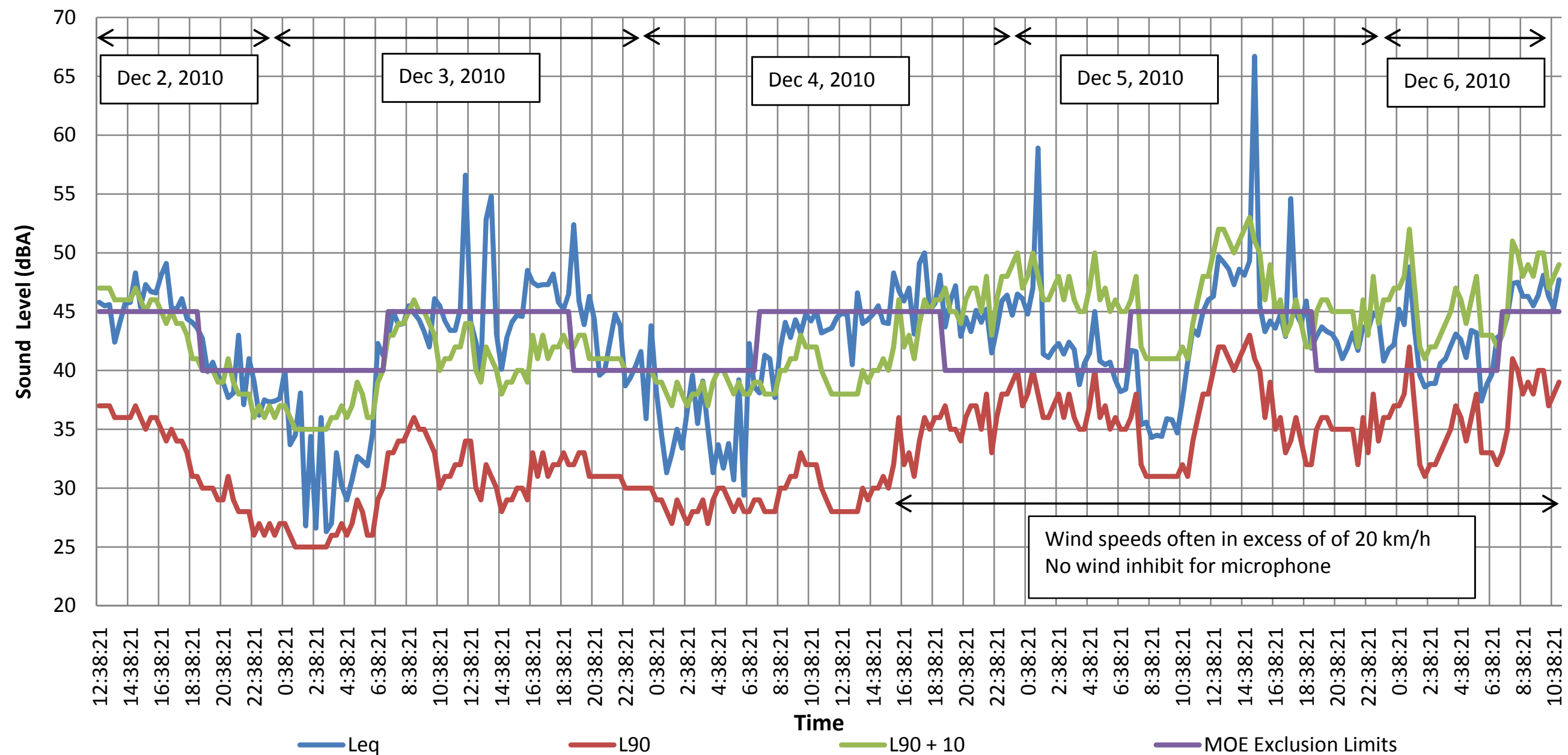


			 30 Wertheim Court, Unit 25 Richmond Hill, Ontario Canada L4B 1B9 Tel: 905-764-5223 Fax: 905-764-6813 solutions@valcoustics.com	Title Measurement Locations	Project No. 110-286	Date Dec 23, 2010
				Project Name Sombra Solar Farm Ambient Study	Scale N.T.S.	Figure 2
No.	Revision/Issue	Date				

SOMBRA SOLAR FARM

Ambient Sound Level Measurements

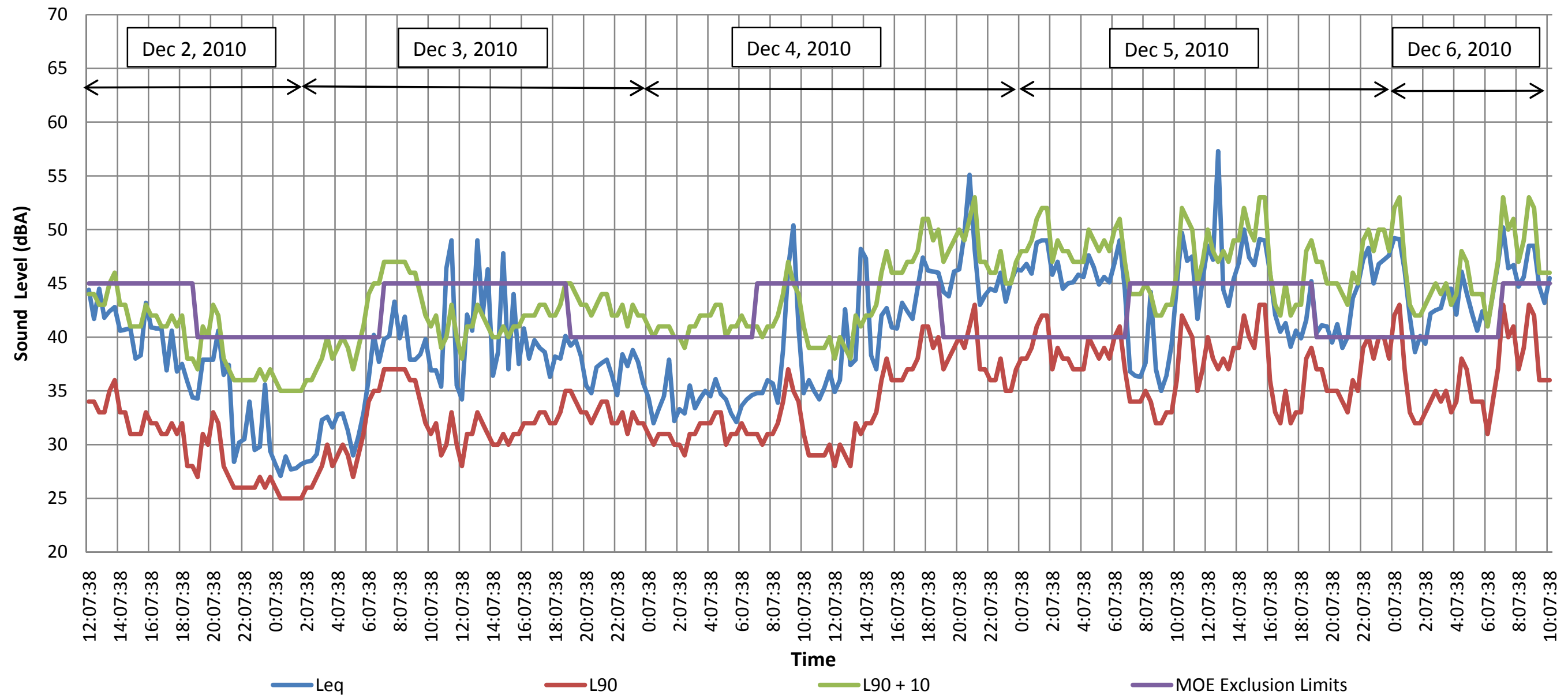
Location 1



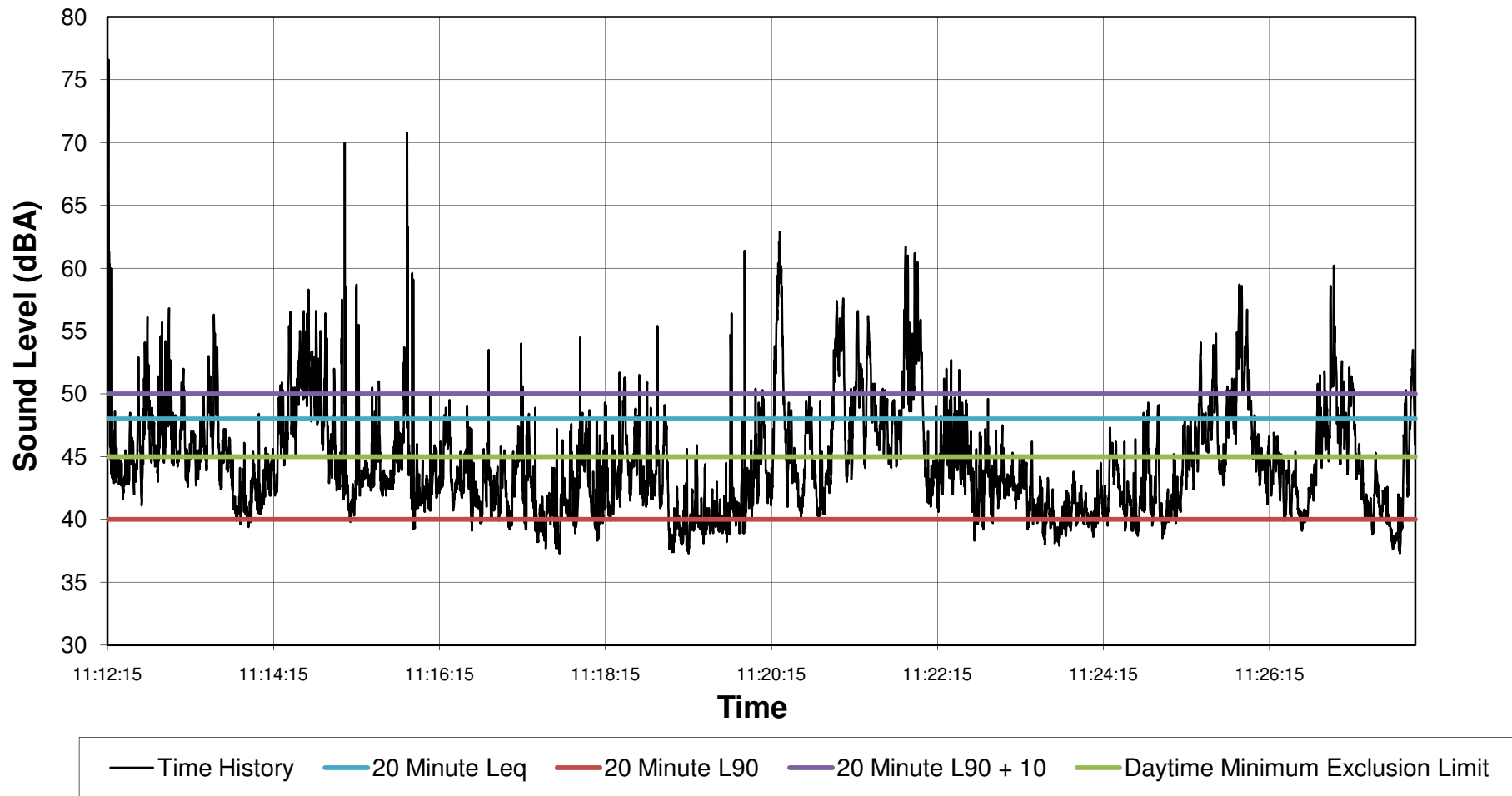
Project Name: Sombra Solar Farm
Project Number: 110-286

Figure: 3
Date: December 23, 2010

SOMBRA SOLAR FARM Ambient Sound Level Measurements LOCATION 2



Sound Level Time History



J:\2010\110286\000\Analysis\St Claire Solar Farm 3_604\data_6thDec2010\824 measurement, bentpath line.

Project: Sombra Solar Farm

File: 110-286

Measurement Date: December 06, 2010

Figure: 5

APPENDIX A

Weather Data



Hourly Data Report for December 02, 2010

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

SARNIA
ONTARIO

Latitude: 42°59'58.000" N Longitude: 82°18'32.000" W Elevation: 181.40 m

Climate ID: 6127510

WMO ID: 71704

TC ID: YZR

Hourly Data Report for December 2, 2010

<u>T</u> <u>i</u> <u>m</u> <u>e</u>	<u>Temp</u> °C	<u>Dew Point</u> <u>Temp</u> °C	<u>Rel</u> <u>Hum</u> %	<u>Wind</u> <u>Dir</u> 10's deg	<u>Wind</u> <u>Spd</u> km/h	<u>Visibility</u> km	<u>Stn</u> <u>Press</u> kPa	<u>Hmdx</u>	<u>Wind</u> <u>Chill</u>	<u>Weather</u>
00:00‡	-2.0	-5.5	77	24	18	16.1	99.06		-7 NA	
01:00‡	-2.0	-5.2	79	23	17	16.1	99.11		-7 NA	
02:00‡	-2.0	-5.0	80	23	18	16.1	99.16		-7 NA	
03:00‡	-2.0	-5.3	78	23	15	16.1	99.21		-7 NA	
04:00‡	-2.0	-5.3	78	23	21	16.1	99.26		-8 NA	
05:00‡	-2.0	-5.2	79	23	17	16.1	99.33		-7 NA	
06:00‡	-2.0	-5.2	79	24	17	16.1	99.39		-7 NA	
07:00‡	-2.0	-5.3	78	23	17	16.1	99.46		-7 NA	
08:00‡	-2.0	-5.5	77	24	17	16.1	99.51		-7 NA	
09:00‡	-2.0	-5.7	76	24	18	16.1	99.56		-7 NA	
10:00‡	-1.0	-5.1	74	23	15	16.1	99.62		-6 NA	
11:00‡	-1.0	-5.2	73	25	13	16.1	99.65		-5 NA	
12:00‡	-1.0	-4.9	75	23	18	16.1	99.63		-6 NA	
13:00‡	-1.0	-5.2	73	24	21	16.1	99.61		-7 NA	
14:00‡	-1.0	-5.4	72	23	15	16.1	99.59		-6 NA	
15:00‡	-1.0	-5.4	72	22	15	16.1	99.62		-6 NA	
16:00‡	-1.0	-6.0	69	23	11	16.1	99.68		-5 NA	
17:00‡	-1.0	-4.9	75	27	11	16.1	99.73		-5 NA	
18:00‡	-1.0	-5.1	74	24	11	16.1	99.77		-5 NA	
19:00‡	-1.0	-4.9	75	26	9	16.1	99.80		-4 NA	
20:00‡	-1.0	-5.1	74	26	17	16.1	99.83		-6 NA	
21:00‡	-1.0	-5.4	72	26	9	16.1	99.82		-4 NA	
22:00‡	-1.0	-6.0	69	27	11	16.1	99.79		-5 NA	
23:00‡	-2.0	-6.0	74	27	13	16.1	99.80		-6 NA	

Legend

M = Missing

E = Estimated

NA = Not Available

‡ = Partner data that is not subject to review by the National Climate Archives

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Date Modified: 2010-09-21



Hourly Data Report for December 03, 2010

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

SARNIA
ONTARIO

Latitude: 42°59'58.000" N Longitude: 82°18'32.000" W Elevation: 181.40 m

Climate ID: 6127510

WMO ID: 71704

IC ID: YZR

Hourly Data Report for December 3, 2010

T i m e	Temp °C °F	Dew Point Temp °C °F	Rel Hum %	Wind Dir 10's deg	Wind Spd km/h mph	Visibility km mi	Stn Press kPa inHg	Hmdx	Wind Chill	Weather
00:00‡	-2.0	-6.4	72	30	17	16.1	99.80		-7 NA	
01:00‡	-2.0	-6.4	72	27	11	16.1	99.80		-6 NA	
02:00‡	-3.0	-6.7	76	25	11	16.1	99.79		-7 NA	
03:00‡	-3.0	-6.5	77	28	13	16.1	99.83		-8 NA	
04:00‡	-3.0	-6.0	80	27	9	16.1	99.82		-7 NA	
05:00‡	-3.0	-6.3	78	26	9	16.1	99.83		-7 NA	
06:00‡	-3.0	-6.1	79	29	15	16.1	99.82		-8 NA	
07:00‡	-4.0	-6.8	81	28	11	16.1	99.82		-8 NA	
08:00‡	-3.0	-5.8	81	29	15	16.1	99.83		-8 NA	
09:00‡	-3.0	-6.0	80	29	11	16.1	99.86		-7 NA	
10:00‡	-1.0	-5.2	73	29	17	16.1	99.86		-6 NA	
11:00‡	-1.0	-6.2	68	29	21	16.1	99.87		-7 NA	
12:00‡	0.0	-6.4	62	30	18	16.1	99.83		-5 NA	
13:00‡	0.0	-6.9	60	32	15	16.1	99.78		-4 NA	
14:00‡	1.0	-7.1	55	33	13	16.1	99.74		NA	
15:00‡	0.0	-7.8	56	31	13	16.1	99.79		-4 NA	
16:00‡	0.0	-6.9	60	30	18	16.1	99.86		-5 NA	
17:00‡	-0.5	-8.0	57	30	15	16.1	99.87		-5 NA	
18:00‡	-0.5	-6.5	64	27	11	16.1	99.86		-4 NA	
19:00‡	-1.0	-6.2	68	28	11	16.1	99.90		-5 NA	
20:00‡	-1.0	-6.4	67	28	13	16.1	99.89		-5 NA	
21:00‡	-1.0	-5.8	70	28	13	16.1	99.88		-5 NA	
22:00‡	-0.5	-5.8	67	27	11	16.1	99.82		-4 NA	
23:00‡	-1.0	-6.0	69	27	11	16.1	99.86		-5 NA	

Legend

M = Missing

E = Estimated

NA = Not Available

‡ = Partner data that is not subject to review by the National Climate Archives

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Hourly Data Report for December 04, 2010

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SARNIA
ONTARIO

Latitude: 42°59'58.000" N Longitude: 82°18'32.000" W Elevation: 181.40 m
Climate ID: 6127510 WMO ID: 71704 IC ID: YZR

Hourly Data Report for December 4, 2010

T i m e	Temp °C ☼	Dew Point Temp °C ☼	Rel Hum % ☼	Wind Dir 10's deg	Wind Spd km/h ☼	Visibility km ☼	Stn Press kPa ☼	Hmdx	Wind Chill ☼	Weather
00:00†	-1.0	-6.6	66	27	9	16.1	99.84		-4 NA	
01:00†	-1.0	-7.6	61	28	9	16.1	99.80		-4 NA	
02:00†	-1.0	-6.8	65	28	11	16.1	99.81		-5 NA	
03:00†	-1.0	-6.6	66	29	9	16.1	99.79		-4 NA	
04:00†	-1.0	-5.8	70	30	13	16.1	99.74		-5 NA	
05:00†	-1.0	-5.1	74	29	9	16.1	99.70		-4 NA	
06:00†	-1.0	-5.4	72	28	13	16.1	99.66		-5 NA	
07:00†	-1.0	-4.7	76	31	13	16.1	99.66		-5 NA	
08:00†	-1.0	-5.1	74	32	17	16.1	99.60		-6 NA	
09:00†	-1.0	-6.0	69	30	21	16.1	99.58		-7 NA	
10:00†	-0.5	-6.0	66	32	18	16.1	99.57		-6 NA	
11:00†	0.0	-6.2	63	32	17	16.1	99.53		-5 NA	
12:00†	0.0	-6.2	63	32	22	16.1	99.45		-6 NA	
13:00†	-2.0	-3.3	91	6	17	0.6	99.40		-7 NA	
14:00†	-2.0	-3.1	92		0	1.2	99.35			NA
15:00†	-2.0	-2.8	94	M	4	1.2	99.36		-3 NA	
16:00†	-0.5	-5.1	71	34	28	16.1	99.35		-7 NA	
17:00†	-0.5	-5.7	68	35	30	16.1	99.35		-7 NA	
18:00†	-1.0	-3.7	82	34	35	9.7	99.39		-8 NA	
19:00†	-2.0	-7.1	68	33	41	16.1	99.41		-10 NA	
20:00†	-2.0	-7.0	69	33	37	16.1	99.42		-10 NA	
21:00†	-3.0	-8.7	65	31	26	16.1	99.43		-10 NA	
22:00†	-3.0	-7.7	70	31	22	16.1	99.43		-9 NA	
23:00†	-4.0	-8.7	70	30	26	16.1	99.40		-11 NA	

Legend

M = Missing
E = Estimated
NA = Not Available
† = Partner data that is not subject to review by the National Climate Archives

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Hourly Data Report for December 05, 2010

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

SARNIA
ONTARIO

Latitude: 42°59'58.000" N Longitude: 82°18'32.000" W Elevation: 181.40 m
 Climate ID: 6127510 WMO ID: 71704 TC ID: YZR

Hourly Data Report for December 5, 2010

T i m e	Temp °C [°C]	Dew Point Temp °C [°C]	Rel Hum % [%]	Wind Dir 10's deg	Wind Spd km/h [km/h]	Visibility km [km]	Stn Press kPa [kPa]	Hmdx	Wind Chill [°C]	Weather
00:00‡	-4.0	-8.0	74	30	31	16.1	99.41		-12 NA	
01:00‡	-4.0	-7.8	75	31	33	16.1	99.40		-12 NA	
02:00‡	-4.0	-8.2	73	31	41	16.1	99.40		-13 NA	
03:00‡	-4.0	-8.5	71	31	33	16.1	99.42		-12 NA	
04:00‡	-4.0	-8.3	72	31	30	16.1	99.41		-12 NA	
05:00‡	-5.0	-9.3	72	31	35	16.1	99.40		-14 NA	
06:00‡	-4.0	-8.3	72	31	35	16.1	99.41		-12 NA	
07:00‡	-4.0	-8.5	71	32	33	16.1	99.42		-12 NA	
08:00‡	-4.0	-8.9	69	32	41	16.1	99.42		-13 NA	
09:00‡	-4.0	-10.5	61	32	42	16.1	99.43		-13 NA	
10:00‡	-4.0	-9.3	67	32	39	16.1	99.47		-13 NA	
11:00‡	-3.0	-8.7	65	30	33	16.1	99.42		-11 NA	
12:00‡	-3.0	-8.3	67	30	30	16.1	99.37		-10 NA	
13:00‡	-2.0	-8.3	62	32	39	16.1	99.32		-10 NA	
14:00‡	-2.0	-8.8	60	31	37	16.1	99.29		-10 NA	
15:00‡	-2.0	-9.9	55	31	28	16.1	99.30		-9 NA	
16:00‡	-2.0	-10.1	54	33	46	16.1	99.33		-11 NA	
17:00‡	-2.0	-8.6	61	32	35	16.1	99.33		-10 NA	
18:00‡	-2.0	-7.1	68	29	22	16.1	99.32		-8 NA	
19:00‡	-2.0	-7.5	66	32	31	16.1	99.30		-9 NA	
20:00‡	-2.0	-8.3	62	32	39	16.1	99.29		-10 NA	
21:00‡	-3.0	-9.7	60	32	39	16.1	99.25		-11 NA	
22:00‡	-3.0	-9.1	63	31	39	16.1	99.22		-11 NA	
23:00‡	-3.0	-9.1	63	32	33	16.1	99.20		-11 NA	

Legend

M = Missing
 E = Estimated
 NA = Not Available
 ‡ = Partner data that is not subject to review by the National Climate Archives

We'd like to hear from you! Please click ["Contact Us"](#) to share your comments and suggestions.

Date Modified: 2010-09-21

Hourly Data Report for December 06, 2010

All times are specified in Local Standard Time (LST). Add 1 hour to adjust for Daylight Saving Time where and when it is observed.

SARNIA
ONTARIO

Latitude: 42°59'58.000" N Longitude: 82°18'32.000" W Elevation: 181.40 m
 Climate ID: 6127510 WMO ID: 71704 TC ID: YZR

Hourly Data Report for December 6, 2010

T i m e	Temp °C °F	Dew Point Temp °C °F	Rel Hum %	Wind Dir 10's deg	Wind Spd km/h mi/h	Visibility km mi	Stn Press kPa inHg	Hmdx	Wind Chill	Weather
00:00†	-4.0	-9.1	68	31	35	16.1	99.20		-12 NA	
01:00†	-4.0	-9.7	65	31	37	16.1	99.15		-12 NA	
02:00†	-4.0	-8.5	71	31	30	16.1	99.16		-12 NA	
03:00†	-4.0	-7.5	77	29	22	16.1	99.14		-11 NA	
04:00†	-4.0	-9.5	66	32	37	16.1	99.11		-12 NA	
05:00†	-4.0	-10.5	61	31	26	16.1	99.08		-11 NA	
06:00†	-5.0	-11.2	62	31	42	16.1	99.05		-14 NA	
07:00†	-5.0	-10.2	67	31	31	16.1	99.08		-13 NA	
08:00†	-5.0	-10.4	66	31	35	16.1	99.05		-14 NA	
09:00†	-4.0	-9.7	65	31	35	16.1	99.03		-12 NA	
10:00†	-4.0	-9.7	65	31	41	16.1	99.02		-13 NA	
11:00†	-3.0	-8.9	64	32	42	16.1	98.97		-12 NA	
12:00†	-3.0	-9.5	61	31	37	16.1	98.92		-11 NA	
13:00†	-3.0	-9.3	62	31	39	16.1	98.87		-11 NA	
14:00†	-3.0	-9.1	63	32	30	16.1	98.80		-10 NA	
15:00†	-3.0	-9.7	60	32	37	16.1	98.80		-11 NA	
16:00†	-3.0	-9.7	60	32	39	16.1	98.81		-11 NA	
17:00†	-3.0	-9.7	60	32	33	16.1	98.79		-11 NA	
18:00†	-3.0	-9.5	61	31	33	16.1	98.78		-11 NA	
19:00†	-4.0	-10.9	59	31	39	16.1	98.75		-13 NA	
20:00†	-4.0	-10.9	59	32	50	16.1	98.74		-14 NA	
21:00†	-4.0	-10.9	59	32	42	16.1	98.74		-13 NA	
22:00†	-5.0	-10.4	66	31	30	16.1	98.73		-13 NA	
23:00†	-5.0	-10.2	67	31	39	16.1	98.69		-14 NA	

Legend

M = Missing
 E = Estimated
 NA = Not Available
 † = Partner data that is not subject to review by the National Climate Archives

We'd like to hear from you! Please click "[Contact Us](#)" to share your comments and suggestions.

Date Modified: 2010-09-21

APPENDIX B

Raw Measurement Data

MI#	START	TIME	ET Including	Lavg (Leq)	L1 (L1)	L2 (L5)	L3 (L10)	L4 (L25)	L5 (L50)	L6 (L75)	L7 (L90)	L8 (L99)	Lmax
			Inhibit										
1	12/2/2010	12:38:21	0:20:00	45.8	53	51	49	45	43	39	37	34	66.2
2	12/2/2010	12:58:21	0:20:00	45.5	56	51	48	45	41	39	37	34	58.4
3	12/2/2010	13:18:21	0:20:00	45.6	53	51	49	45	42	39	37	34	57.9
4	12/2/2010	13:38:21	0:20:00	42.4	51	47	45	42	40	38	36	33	55.8
5	12/2/2010	13:58:21	0:20:00	44.1	53	50	47	44	40	38	36	33	55.5
6	12/2/2010	14:18:21	0:20:00	45.7	54	51	49	45	42	39	36	33	57.5
7	12/2/2010	14:38:21	0:20:00	45.8	56	51	49	45	41	38	36	33	58.8
8	12/2/2010	14:58:21	0:20:00	48.3	58	53	52	48	43	39	37	33	64.4
9	12/2/2010	15:18:21	0:20:00	45.4	53	51	49	45	42	38	36	33	56.2
10	12/2/2010	15:38:21	0:20:00	47.3	57	53	51	47	41	37	35	32	65
11	12/2/2010	15:58:21	0:20:00	46.7	57	52	50	45	41	38	36	33	63.9
12	12/2/2010	16:18:21	0:20:00	46.6	56	52	50	46	41	38	36	32	63.4
13	12/2/2010	16:38:21	0:20:00	48.1	57	54	52	47	42	38	35	32	66.4
14	12/2/2010	16:58:21	0:20:00	49.1	59	52	50	46	41	36	34	32	70.5
15	12/2/2010	17:18:21	0:20:00	45.3	53	51	50	46	40	37	35	33	55.9
16	12/2/2010	17:38:21	0:20:00	45.2	53	51	49	46	41	36	34	30	57.7
17	12/2/2010	17:58:21	0:20:00	46.1	55	52	50	46	39	35	34	31	57.7
18	12/2/2010	18:18:21	0:20:00	44.4	55	50	48	44	39	35	33	30	56.6
19	12/2/2010	18:38:21	0:20:00	44.1	54	48	47	42	35	32	31	29	63.9
20	12/2/2010	18:58:21	0:20:00	43.6	52	50	48	44	37	33	31	29	57.5
21	12/2/2010	19:18:21	0:20:00	42.7	53	49	46	41	34	32	30	28	56.9
22	12/2/2010	19:38:21	0:20:00	39.9	52	47	42	35	32	31	30	28	54.7
23	12/2/2010	19:58:21	0:20:00	40.7	52	47	44	37	32	31	30	28	56.5
24	12/2/2010	20:18:21	0:20:00	39.5	51	46	43	34	31	29	29	27	55
25	12/2/2010	20:38:21	0:20:00	39	51	41	36	33	32	30	29	27	59.1
26	12/2/2010	20:58:21	0:20:00	37.7	50	40	39	36	34	32	31	29	52.8
27	12/2/2010	21:18:21	0:20:00	38.1	51	42	37	33	30	29	29	27	56.2
28	12/2/2010	21:38:21	0:20:00	43	52	43	35	32	30	29	28	26	67
29	12/2/2010	21:58:21	0:20:00	37.1	50	42	37	32	30	29	28	27	53.9
30	12/2/2010	22:18:21	0:20:00	41	52	48	44	34	29	28	28	27	59.2
31	12/2/2010	22:38:21	0:20:00	39.1	49	47	44	33	29	26	26	25	53.5
32	12/2/2010	22:58:21	0:20:00	36.2	47	43	39	30	29	28	27	26	52.9
33	12/2/2010	23:18:21	0:20:00	37.5	50	44	39	32	29	27	26	25	53.6
34	12/2/2010	23:38:21	0:20:00	37.3	52	38	32	30	28	27	27	26	57.1
35	12/2/2010	23:58:21	0:20:00	37.4	51	43	34	30	28	27	26	25	54.9
36	12/3/2010	0:18:21	0:20:00	37.6	50	45	39	31	28	27	27	26	54.7
37	12/3/2010	0:38:21	0:20:00	40	53	45	37	32	29	28	27	26	60.7
38	12/3/2010	0:58:21	0:20:00	33.7	48	33	30	28	27	26	26	25	53.6
39	12/3/2010	1:18:21	0:20:00	34.5	46	29	27	27	26	25	25	24	58.1
40	12/3/2010	1:38:21	0:20:00	38.1	52	40	30	27	26	25	25	24	56.1
41	12/3/2010	1:58:21	0:20:00	26.8	29	28	27	27	26	26	25	24	38.3
42	12/3/2010	2:18:21	0:20:00	34.4	48	34	30	27	26	25	25	24	55.4
43	12/3/2010	2:38:21	0:20:00	26.6	29	28	27	26	26	26	25	25	32.5
44	12/3/2010	2:58:21	0:20:00	36	50	40	31	27	26	26	25	24	54.9
45	12/3/2010	3:18:21	0:20:00	26.3	28	27	27	26	26	25	25	25	30.6
46	12/3/2010	3:38:21	0:20:00	27	30	28	28	27	26	26	26	25	31.8
47	12/3/2010	3:58:21	0:20:00	33	47	30	28	27	27	26	26	25	51.2
48	12/3/2010	4:18:21	0:20:00	30.2	34	33	32	31	29	28	27	26	38.8
49	12/3/2010	4:38:21	0:20:00	29	38	31	29	28	27	27	26	26	41.8
50	12/3/2010	4:58:21	0:20:00	30.7	40	36	30	28	28	27	27	26	43.6
51	12/3/2010	5:18:21	0:20:00	32.7	39	36	34	33	31	30	29	28	44.5
52	12/3/2010	5:38:21	0:20:00	32.3	37	36	35	33	31	29	28	28	38.7
53	12/3/2010	5:58:21	0:20:00	31.9	44	37	32	29	27	26	26	25	48
54	12/3/2010	6:18:21	0:20:00	34.7	48	40	31	29	27	27	26	26	52.5
55	12/3/2010	6:38:21	0:20:00	42.3	55	48	45	33	30	29	29	28	60.3
56	12/3/2010	6:58:21	0:20:00	41.3	53	48	45	34	32	31	30	29	57.7
57	12/3/2010	7:18:21	0:20:00	42.8	54	50	46	38	35	34	33	32	58
58	12/3/2010	7:38:21	0:20:00	45	54	52	50	44	36	34	33	31	56.5
59	12/3/2010	7:58:21	0:20:00	43.9	54	51	48	40	36	35	34	33	58.2
60	12/3/2010	8:18:21	0:20:00	44	53	51	48	42	36	35	34	33	56

61	12/3/2010	8:38:21	0:20:00	45.5	54	52	50	45	39	36	35	34	58.2
62	12/3/2010	8:58:21	0:20:00	44.9	54	52	49	43	39	37	36	35	57.6
63	12/3/2010	9:18:21	0:20:00	44.3	54	51	48	41	37	36	35	34	57.9
64	12/3/2010	9:38:21	0:20:00	43.3	53	49	47	41	37	35	35	34	59.3
65	12/3/2010	9:58:21	0:20:00	42	52	49	46	39	36	35	34	33	56.9
66	12/3/2010	10:18:21	0:20:00	46.1	55	52	51	46	37	34	33	32	57.7
67	12/3/2010	10:38:21	0:20:00	45.5	56	52	50	45	36	32	30	29	60.8
68	12/3/2010	10:58:21	0:20:00	44.2	53	51	49	43	35	32	31	28	57.2
69	12/3/2010	11:18:21	0:20:00	43.4	53	50	47	43	37	33	31	29	54.6
70	12/3/2010	11:38:21	0:20:00	43.4	53	49	47	43	36	33	32	30	59.3
71	12/3/2010	11:58:21	0:20:00	45.2	55	52	50	44	36	33	32	28	59.2
72	12/3/2010	12:18:21	0:20:00	56.6	71	63	55	47	41	36	34	30	72.6
73	12/3/2010	12:38:21	0:20:00	44.1	54	50	47	43	40	36	34	29	56.6
74	12/3/2010	12:58:21	0:20:00	42.4	52	48	46	41	36	32	30	28	58
75	12/3/2010	13:18:21	0:20:00	39.9	51	45	43	39	33	31	29	27	54.6
76	12/3/2010	13:38:21	0:20:00	52.8	66	56	51	46	40	35	32	30	67.4
77	12/3/2010	13:58:21	0:20:00	54.8	70	56	51	45	40	35	31	29	72
78	12/3/2010	14:18:21	0:20:00	43.1	53	49	47	43	37	33	30	28	56
79	12/3/2010	14:38:21	0:20:00	40.1	50	47	44	39	33	30	28	27	53.5
80	12/3/2010	14:58:21	0:20:00	42.8	52	49	47	43	35	31	29	27	55.5
81	12/3/2010	15:18:21	0:20:00	44.1	54	51	48	44	36	31	29	27	57.1
82	12/3/2010	15:38:21	0:20:00	44.7	53	50	48	44	35	32	30	28	63.4
83	12/3/2010	15:58:21	0:20:00	44.6	54	51	49	44	36	32	30	28	57
84	12/3/2010	16:18:21	0:20:00	48.5	61	53	50	43	34	31	29	27	70.2
85	12/3/2010	16:38:21	0:20:00	47.5	56	53	52	48	42	36	33	29	57.8
86	12/3/2010	16:58:21	0:20:00	47.2	56	53	51	48	40	33	31	29	59.5
87	12/3/2010	17:18:21	0:20:00	47.3	56	54	52	48	41	35	33	30	59
88	12/3/2010	17:38:21	0:20:00	47.3	55	53	52	48	42	34	31	29	57.8
89	12/3/2010	17:58:21	0:20:00	48.2	57	54	52	49	42	35	32	30	60
90	12/3/2010	18:18:21	0:20:00	45.8	55	52	50	46	39	35	32	29	58.8
91	12/3/2010	18:38:21	0:20:00	45.2	54	52	50	45	37	35	33	30	56.6
92	12/3/2010	18:58:21	0:20:00	46.5	55	53	51	46	37	33	32	31	57.9
93	12/3/2010	19:18:21	0:20:00	52.4	66	57	53	48	41	35	32	30	70.1
94	12/3/2010	19:38:21	0:20:00	45.9	58	52	49	41	35	33	33	31	61.3
95	12/3/2010	19:58:21	0:20:00	43.9	55	50	47	42	37	34	33	31	56.7
96	12/3/2010	20:18:21	0:20:00	46.3	58	53	50	44	35	32	31	30	59.9
97	12/3/2010	20:38:21	0:20:00	44.3	55	50	45	37	33	32	31	30	65
98	12/3/2010	20:58:21	0:20:00	39.6	51	46	42	35	32	31	31	30	54.5
99	12/3/2010	21:18:21	0:20:00	40	52	47	42	35	32	31	31	30	54.6
100	12/3/2010	21:38:21	0:20:00	42.4	52	50	46	40	34	32	31	30	54.4
101	12/3/2010	21:58:21	0:20:00	44.8	56	51	47	40	33	32	31	30	62.1
102	12/3/2010	22:18:21	0:20:00	43.8	54	48	45	37	32	32	31	30	63.9
103	12/3/2010	22:38:21	0:20:00	38.7	50	45	42	35	32	31	30	29	53.1
104	12/3/2010	22:58:21	0:20:00	39.4	50	46	44	34	31	30	30	29	54.7
105	12/3/2010	23:18:21	0:20:00	40.4	52	48	43	34	32	31	30	29	54.3
106	12/3/2010	23:38:21	0:20:00	41.6	52	49	45	35	32	31	30	29	56
107	12/3/2010	23:58:21	0:20:00	35.9	46	38	36	34	33	31	30	29	53.5
108	12/4/2010	0:18:21	0:20:00	43.8	56	50	44	34	31	30	30	29	62.6
109	12/4/2010	0:38:21	0:20:00	38.3	52	37	33	31	30	29	29	28	61.4
110	12/4/2010	0:58:21	0:20:00	34.6	47	39	31	30	30	29	29	28	53.7
111	12/4/2010	1:18:21	0:20:00	31.3	40	35	31	30	29	28	28	27	46.7
112	12/4/2010	1:38:21	0:20:00	32.9	46	33	31	30	28	28	27	27	51.1
113	12/4/2010	1:58:21	0:20:00	35	45	35	34	33	32	31	29	28	53.5
114	12/4/2010	2:18:21	0:20:00	33.4	47	32	31	29	29	28	28	27	52
115	12/4/2010	2:38:21	0:20:00	36.6	49	41	37	31	29	28	27	26	54.9
116	12/4/2010	2:58:21	0:20:00	39.6	50	45	41	35	31	29	28	26	57.4
117	12/4/2010	3:18:21	0:20:00	35.5	45	41	38	33	31	29	28	26	51.3
118	12/4/2010	3:38:21	0:20:00	39.1	49	44	41	38	34	31	29	27	62.3
119	12/4/2010	3:58:21	0:20:00	35.1	47	40	36	31	29	28	27	27	51.4
120	12/4/2010	4:18:21	0:20:00	31.3	38	33	31	31	30	29	29	27	51.1
121	12/4/2010	4:38:21	0:20:00	33.7	41	38	35	32	31	30	30	29	51.4
122	12/4/2010	4:58:21	0:20:00	31.7	37	34	33	32	31	30	30	29	41.7
123	12/4/2010	5:18:21	0:20:00	33.8	44	37	35	32	31	30	29	28	51.5
124	12/4/2010	5:38:21	0:20:00	30.7	35	31	31	30	29	29	28	27	50.5
125	12/4/2010	5:58:21	0:20:00	39.2	54	40	33	31	30	29	29	28	58.3
126	12/4/2010	6:18:21	0:20:00	29.4	33	31	30	29	29	28	28	27	35.3
127	12/4/2010	6:38:21	0:20:00	42.3	57	50	39	30	29	28	28	27	59.3
128	12/4/2010	6:58:21	0:20:00	38.6	52	43	32	31	30	29	29	28	55.4

129	12/4/2010	7:18:21	0:20:00	38.1	51	44	36	32	30	29	29	28	55.8
130	12/4/2010	7:38:21	0:20:00	41.3	53	49	45	31	29	28	28	27	57.9
131	12/4/2010	7:58:21	0:20:00	41	53	49	44	33	31	29	28	27	55.4
132	12/4/2010	8:18:21	0:20:00	37.7	49	45	39	33	31	29	28	27	52.1
133	12/4/2010	8:38:21	0:20:00	41.8	53	48	45	35	32	30	30	28	58.3
134	12/4/2010	8:58:21	0:20:00	44.1	55	51	48	41	34	31	30	29	59.6
135	12/4/2010	9:18:21	0:20:00	42.8	53	50	47	41	33	31	31	29	55.2
136	12/4/2010	9:38:21	0:20:00	44.3	55	52	49	41	34	32	31	30	57.1
137	12/4/2010	9:58:21	0:20:00	43.2	52	50	48	41	35	33	33	31	56.2
138	12/4/2010	10:18:21	0:20:00	44.8	55	52	49	44	35	33	32	30	59.5
139	12/4/2010	10:38:21	0:20:00	44.2	53	51	49	44	36	33	32	31	58
140	12/4/2010	10:58:21	0:20:00	45	55	51	49	45	37	33	32	29	57.8
141	12/4/2010	11:18:21	0:20:00	43.2	53	51	48	41	34	31	30	28	55.6
142	12/4/2010	11:38:21	0:20:00	43.4	53	50	48	43	37	32	29	27	57
143	12/4/2010	11:58:21	0:20:00	43.6	54	50	47	42	32	29	28	26	58
144	12/4/2010	12:18:21	0:20:00	44.5	54	51	48	42	34	30	28	27	62.4
145	12/4/2010	12:38:21	0:20:00	44.9	55	50	48	44	35	29	28	26	65.7
146	12/4/2010	12:58:21	0:20:00	44.7	53	48	46	42	32	30	28	27	66.4
147	12/4/2010	13:18:21	0:20:00	40.5	50	47	45	38	33	30	28	26	53.8
148	12/4/2010	13:38:21	0:20:00	46.6	58	52	50	44	35	30	28	27	63.1
149	12/4/2010	13:58:21	0:20:00	44	54	51	48	42	35	31	30	28	57.2
150	12/4/2010	14:18:21	0:20:00	44.3	55	52	48	40	34	31	29	27	57.8
151	12/4/2010	14:38:21	0:20:00	44.8	54	52	50	43	35	32	30	29	57.6
152	12/4/2010	14:58:21	0:20:00	45.5	56	52	50	43	33	31	30	29	59
153	12/4/2010	15:18:21	0:20:00	44.1	54	51	49	42	36	33	31	29	56.9
154	12/4/2010	15:38:21	0:20:00	44	55	51	48	40	33	31	30	29	59.2
155	12/4/2010	15:58:21	0:20:00	48.3	58	55	53	48	40	36	32	29	60.9
156	12/4/2010	16:18:21	0:20:00	46.8	58	53	51	45	40	38	36	34	62.5
157	12/4/2010	16:38:21	0:20:00	45.9	57	52	50	44	38	34	32	30	60.2
158	12/4/2010	16:58:21	0:20:00	47	58	54	51	45	37	34	33	31	61.4
159	12/4/2010	17:18:21	0:20:00	43.1	54	50	47	39	37	33	31	29	57.8
160	12/4/2010	17:38:21	0:20:00	49.1	59	55	53	48	42	37	34	32	66
161	12/4/2010	17:58:21	0:20:00	50	61	56	53	48	41	38	36	33	66.2
162	12/4/2010	18:18:21	0:20:00	45.1	55	51	49	42	39	36	35	33	65.2
163	12/4/2010	18:38:21	0:20:00	45.7	55	52	50	44	41	38	36	35	58.7
164	12/4/2010	18:58:21	0:20:00	48.1	57	53	51	46	40	38	36	34	69.7
165	12/4/2010	19:18:21	0:20:00	43.7	53	49	45	42	40	38	37	34	56.9
166	12/4/2010	19:38:21	0:20:00	45.9	55	52	50	44	40	37	35	33	58.4
167	12/4/2010	19:58:21	0:20:00	47.2	56	54	51	45	39	37	35	33	63.4
168	12/4/2010	20:18:21	0:20:00	42.9	53	50	46	40	38	36	34	32	54.9
169	12/4/2010	20:38:21	0:20:00	44.5	53	49	47	44	41	39	36	32	60.3
170	12/4/2010	20:58:21	0:20:00	43.3	50	47	46	44	42	39	37	34	52.8
171	12/4/2010	21:18:21	0:20:00	45.1	53	49	45	43	41	38	37	33	64.8
172	12/4/2010	21:38:21	0:20:00	44.1	54	50	47	42	40	37	35	33	59.1
173	12/4/2010	21:58:21	0:20:00	45.2	54	51	48	44	41	39	38	34	58.3
174	12/4/2010	22:18:21	0:20:00	41.5	51	46	44	41	38	35	33	31	54.6
175	12/4/2010	22:38:21	0:20:00	43.5	54	49	46	41	39	37	36	34	56.8
176	12/4/2010	22:58:21	0:20:00	45.9	54	50	49	46	43	41	38	33	59.8
177	12/4/2010	23:18:21	0:20:00	46.4	55	51	50	47	44	40	38	34	58.4
178	12/4/2010	23:38:21	0:20:00	44.7	51	49	47	45	43	41	39	35	54.2
179	12/4/2010	23:58:21	0:20:00	46.5	52	50	50	47	45	42	40	34	55
180	12/5/2010	0:18:21	0:20:00	46.1	53	51	50	47	43	40	37	32	56.5
181	12/5/2010	0:38:21	0:20:00	44.8	51	50	48	45	42	40	38	32	53.8
182	12/5/2010	0:58:21	0:20:00	47	52	51	50	48	45	42	40	36	54.9
183	12/5/2010	1:18:21	0:19:56	58.9	61	51	47	43	41	39	38	35	89
184	12/5/2010	1:38:21	0:20:00	41.4	46	45	44	42	40	38	36	34	48.2
185	12/5/2010	1:58:21	0:20:00	41.1	46	44	43	41	40	38	36	34	52.5
186	12/5/2010	2:18:21	0:20:00	41.8	48	45	44	42	40	38	37	34	51.7
187	12/5/2010	2:38:21	0:20:00	42.3	46	45	44	42	41	40	38	35	55.6
188	12/5/2010	2:58:21	0:20:00	41.4	49	45	44	42	39	37	36	34	51.3
189	12/5/2010	3:18:21	0:20:00	42.4	48	46	45	43	40	39	38	34	51.7
190	12/5/2010	3:38:21	0:20:00	41.8	49	45	44	42	40	38	36	34	54.4
191	12/5/2010	3:58:21	0:20:00	38.8	43	41	40	39	38	36	35	34	45.5
192	12/5/2010	4:18:21	0:20:00	40.6	46	44	43	41	39	37	35	33	49.4
193	12/5/2010	4:38:21	0:20:00	41.5	47	45	44	42	40	38	37	34	49
194	12/5/2010	4:58:21	0:20:00	45	51	48	47	45	44	42	40	37	54.9
195	12/5/2010	5:18:21	0:20:00	40.8	45	44	43	41	40	38	36	33	49
196	12/5/2010	5:38:21	0:20:00	40.5	44	43	42	41	40	38	37	35	46.5

197	12/5/2010	5:58:21	0:20:00	40.7	46	44	43	41	39	37	35	33	50.7
198	12/5/2010	6:18:21	0:20:00	39.2	44	42	41	40	38	36	36	33	49.3
199	12/5/2010	6:38:21	0:20:00	38.2	41	41	40	39	37	36	35	33	44
200	12/5/2010	6:58:21	0:20:00	38.4	43	41	40	39	37	36	35	33	45.1
201	12/5/2010	7:18:21	0:20:00	41.7	49	47	45	41	39	38	36	35	51.8
202	12/5/2010	7:38:21	0:20:00	41.6	45	44	43	42	41	39	38	36	47
203	12/5/2010	7:58:21	0:20:00	35.4	42	39	37	35	34	33	32	30	50.7
204	12/5/2010	8:18:21	0:20:00	35.6	41	39	38	36	33	32	31	29	43.8
205	12/5/2010	8:38:21	0:20:00	34.3	39	37	36	34	33	32	31	30	41.9
206	12/5/2010	8:58:21	0:20:00	34.5	39	37	36	35	33	32	31	30	42.6
207	12/5/2010	9:18:21	0:20:00	34.4	43	38	36	34	32	31	31	29	46.2
208	12/5/2010	9:38:21	0:20:00	35.9	42	40	39	36	34	32	31	29	45.1
209	12/5/2010	9:58:21	0:20:00	35.8	43	40	38	35	33	32	31	29	49.2
210	12/5/2010	10:18:21	0:20:00	34.7	42	39	36	34	32	31	31	29	50.2
211	12/5/2010	10:38:21	0:20:00	37.4	45	42	40	37	34	33	32	30	49.7
212	12/5/2010	10:58:21	0:20:00	40.7	52	47	42	38	34	33	31	30	55.8
213	12/5/2010	11:18:21	0:20:00	43.5	55	46	43	41	39	37	34	33	62.4
214	12/5/2010	11:38:21	0:20:00	43	52	47	44	42	40	38	36	32	63.1
215	12/5/2010	11:58:21	0:20:00	45	52	50	48	45	43	40	38	35	56.1
216	12/5/2010	12:18:21	0:20:00	46	55	51	50	45	42	40	38	34	57.7
217	12/5/2010	12:38:21	0:19:58	46.3	53	51	49	46	44	42	40	37	56.2
218	12/5/2010	12:58:21	0:19:58	49.7	57	53	52	50	47	44	42	39	64
219	12/5/2010	13:18:21	0:20:00	49.2	56	53	51	49	47	45	42	39	65.5
220	12/5/2010	13:38:21	0:19:57	48.6	56	53	51	49	46	43	41	38	62.3
221	12/5/2010	13:58:21	0:19:58	47.3	55	52	50	47	44	42	40	37	59.2
222	12/5/2010	14:18:21	0:19:58	48.6	55	53	52	50	46	44	41	35	58.8
223	12/5/2010	14:38:21	0:20:00	48.1	55	52	51	48	46	44	42	38	58.8
224	12/5/2010	14:58:21	0:19:59	49.3	55	53	52	50	47	45	43	39	57.4
225	12/5/2010	15:18:21	0:19:45	66.7	58	55	53	51	47	44	41	38	97.2
226	12/5/2010	15:38:21	0:20:00	45.5	52	50	48	46	43	41	40	37	54.1
227	12/5/2010	15:58:21	0:20:00	43.3	51	47	46	44	41	39	36	33	53.3
228	12/5/2010	16:18:21	0:20:00	44.2	49	47	47	45	43	41	39	35	53.1
229	12/5/2010	16:38:21	0:20:00	43.6	52	48	46	43	41	37	35	32	55.1
230	12/5/2010	16:58:21	0:20:00	44.8	56	47	45	43	40	38	36	32	63.8
231	12/5/2010	17:18:21	0:20:00	42.9	55	44	42	39	37	35	33	31	61.9
232	12/5/2010	17:38:21	0:20:00	54.6	69	53	50	41	38	36	34	32	77.3
233	12/5/2010	17:58:21	0:20:00	44.9	53	50	48	45	41	39	36	33	57.3
234	12/5/2010	18:18:21	0:20:00	44	52	50	48	43	39	36	34	30	56.6
235	12/5/2010	18:38:21	0:20:00	45.9	56	52	50	44	39	34	32	30	65.2
236	12/5/2010	18:58:21	0:20:00	41.9	53	48	43	38	35	34	32	30	59.1
237	12/5/2010	19:18:21	0:20:00	42.9	52	49	46	42	38	36	35	33	55.6
238	12/5/2010	19:38:21	0:20:00	43.7	53	50	47	42	39	37	36	34	56.6
239	12/5/2010	19:58:21	0:20:00	43.3	54	48	45	41	39	37	36	33	58.3
240	12/5/2010	20:18:21	0:20:00	43.1	54	49	46	41	38	36	35	33	57.5
241	12/5/2010	20:38:21	0:20:00	42.4	52	46	43	41	39	37	35	33	60.9
242	12/5/2010	20:58:21	0:20:00	41	50	45	44	40	38	36	35	33	55.9
243	12/5/2010	21:18:21	0:20:00	41.9	51	47	44	40	38	35	35	32	63.2
244	12/5/2010	21:38:21	0:19:57	43.2	52	50	46	42	39	36	35	33	55.8
245	12/5/2010	21:58:21	0:20:00	41.7	53	47	43	39	37	34	32	30	57.5
246	12/5/2010	22:18:21	0:20:00	43.7	51	48	47	44	41	38	36	32	56.5
247	12/5/2010	22:38:21	0:20:00	43.4	54	49	45	42	39	36	33	31	57.5
248	12/5/2010	22:58:21	0:20:00	44.9	52	50	48	45	43	40	38	36	53.8
249	12/5/2010	23:18:21	0:20:00	44.5	52	51	48	44	41	37	34	31	55.1
250	12/5/2010	23:38:21	0:20:00	40.8	46	44	43	41	39	37	36	33	50.6
251	12/5/2010	23:58:21	0:20:00	41.8	48	46	44	42	40	38	36	31	54.4
252	12/6/2010	0:18:21	0:20:00	42.2	51	46	44	42	40	38	37	34	58.4
253	12/6/2010	0:38:21	0:19:59	45.2	53	51	48	45	42	39	37	34	62.5
254	12/6/2010	0:58:21	0:20:00	43.9	51	47	47	45	42	40	38	35	53.4
255	12/6/2010	1:18:21	0:19:59	48.8	54	53	52	49	46	44	42	38	68.4
256	12/6/2010	1:38:21	0:20:00	43.4	51	48	47	43	41	38	37	34	53.5
257	12/6/2010	1:58:21	0:20:00	39.6	48	44	42	39	36	34	32	31	54.5
258	12/6/2010	2:18:21	0:20:00	38.6	45	43	42	39	36	34	31	30	48.5
259	12/6/2010	2:38:21	0:20:00	38.9	45	43	42	39	37	35	32	30	48.8
260	12/6/2010	2:58:21	0:20:00	38.9	48	43	41	39	36	33	32	29	52.2
261	12/6/2010	3:18:21	0:20:00	40.6	49	45	43	41	38	35	33	31	53.7
262	12/6/2010	3:38:21	0:19:56	41	49	44	42	40	38	36	34	31	59.9
263	12/6/2010	3:58:21	0:19:58	42.1	50	46	45	42	40	38	35	32	52.6
264	12/6/2010	4:18:21	0:19:58	43.1	51	47	45	43	40	39	37	34	58.2

265	12/6/2010	4:38:21	0:20:00	42.6	51	47	45	43	40	38	36	33	54.9
266	12/6/2010	4:58:21	0:20:00	41.1	48	45	44	42	39	36	34	32	52.1
267	12/6/2010	5:18:21	0:20:00	43.4	51	47	46	44	41	38	36	34	54.9
268	12/6/2010	5:38:21	0:20:00	43.2	50	47	46	43	41	40	38	33	52.6
269	12/6/2010	5:58:21	0:20:00	37.4	41	40	40	38	36	34	33	30	44.3
270	12/6/2010	6:18:21	0:20:00	38.8	48	42	41	39	36	34	33	31	52.2
271	12/6/2010	6:38:21	0:20:00	39.7	51	43	41	38	36	34	33	31	55.5
272	12/6/2010	6:58:21	0:20:00	42.8	55	49	43	39	36	33	32	30	59.5
273	12/6/2010	7:18:21	0:20:00	43.1	54	50	46	39	36	34	33	31	58.1
274	12/6/2010	7:38:21	0:20:00	44.6	54	51	49	44	40	37	35	33	57.5
275	12/6/2010	7:58:21	0:20:00	47.4	55	52	51	47	45	42	41	39	60.2
276	12/6/2010	8:18:21	0:20:00	47.5	56	52	50	47	44	42	40	37	64.5
277	12/6/2010	8:38:21	0:20:00	46.3	55	52	50	46	43	40	38	35	58.1
278	12/6/2010	8:58:21	0:20:00	46.3	54	51	49	46	44	41	39	37	58.3
279	12/6/2010	9:18:21	0:20:00	45.5	53	51	49	46	42	40	38	35	56.9
280	12/6/2010	9:38:21	0:19:51	46.4	54	50	49	47	44	41	40	36	62.3
281	12/6/2010	9:58:21	0:20:00	48.1	55	53	51	49	45	42	40	36	58.2
282	12/6/2010	10:18:21	0:20:00	46.3	53	51	50	47	43	39	37	34	57.4
283	12/6/2010	10:38:21	0:20:00	45.3	53	51	49	45	41	39	38	35	57.9
284	12/6/2010	10:58:21	0:10:55	47.7	58	53	50	46	43	41	39	35	65.7

MI#	START	TIME	ET Including	Lavg (Leq)	L1 (L1)	L2 (L5)	L3 (L10)	L4 (L25)	L5 (L50)	L6 (L75)	L7 (L90)	L8 (L99)	Lmax
			Inhibit										
1	12/2/2010	12:07:38	0:19:51	44.4	53	49	47	44	41	38	34	31	63.1
2	12/2/2010	12:27:38	0:20:00	41.7	51	47	44	41	38	36	34	30	55.4
3	12/2/2010	12:47:38	0:19:59	44.5	55	50	46	42	38	35	33	31	62.4
4	12/2/2010	13:07:38	0:19:59	41.8	51	47	44	41	38	35	33	29	58.2
5	12/2/2010	13:27:38	0:20:00	42.4	53	46	44	41	39	37	35	31	58.9
6	12/2/2010	13:47:38	0:20:00	42.8	51	47	45	43	40	37	36	31	56.6
7	12/2/2010	14:07:38	0:20:00	40.6	49	45	43	41	38	35	33	31	54
8	12/2/2010	14:27:38	0:20:00	40.7	49	46	44	40	37	34	33	30	55.5
9	12/2/2010	14:47:38	0:20:00	40.8	53	45	43	38	35	33	31	29	57.7
10	12/2/2010	15:07:38	0:20:00	38	46	42	40	38	35	32	31	29	54.8
11	12/2/2010	15:27:38	0:20:00	38.3	45	43	41	38	36	33	31	29	53.3
12	12/2/2010	15:47:38	0:20:00	43.2	55	49	44	40	37	35	33	30	61.7
13	12/2/2010	16:07:38	0:20:00	40.9	53	46	42	38	36	34	32	30	58
14	12/2/2010	16:27:38	0:20:00	40.8	52	46	43	39	36	34	32	30	58.8
15	12/2/2010	16:47:38	0:20:00	40.8	52	46	43	38	34	32	31	29	58.9
16	12/2/2010	17:07:38	0:20:00	36.9	46	41	39	36	34	33	31	29	53.3
17	12/2/2010	17:27:38	0:20:00	40.6	52	44	40	37	35	33	32	29	61.5
18	12/2/2010	17:47:38	0:20:00	36.8	47	42	38	35	34	32	31	28	55.4
19	12/2/2010	18:07:38	0:20:00	37.5	46	41	39	37	35	34	32	28	51.4
20	12/2/2010	18:27:38	0:20:00	35.9	48	40	37	32	30	29	28	27	52.9
21	12/2/2010	18:47:38	0:20:00	34.4	43	39	37	34	31	29	28	26	48.7
22	12/2/2010	19:07:38	0:20:00	34.3	46	38	35	31	29	28	27	26	53.7
23	12/2/2010	19:27:38	0:20:00	37.9	42	41	40	39	37	34	31	28	45.2
24	12/2/2010	19:47:38	0:20:00	37.9	52	38	37	35	33	32	30	27	57.3
25	12/2/2010	20:07:38	0:20:00	37.9	47	41	39	37	35	34	33	27	54.1
26	12/2/2010	20:27:38	0:20:00	40.6	50	46	44	41	35	33	32	29	55.7
27	12/2/2010	20:47:38	0:20:00	36.5	45	43	42	32	30	28	28	26	52
28	12/2/2010	21:07:38	0:20:00	37.4	46	43	41	39	28	27	27	26	53.4
29	12/2/2010	21:27:38	0:20:00	28.4	31	30	29	28	28	27	26	25	37.8
30	12/2/2010	21:47:38	0:20:00	30.2	40	32	30	28	27	26	26	25	50.4
31	12/2/2010	22:07:38	0:20:00	30.5	41	34	31	29	28	27	26	25	45.6
32	12/2/2010	22:27:38	0:20:00	34	47	36	33	31	29	28	26	25	52
33	12/2/2010	22:47:38	0:20:00	29.5	36	33	31	30	28	27	26	25	40.1
34	12/2/2010	23:07:38	0:20:00	29.8	34	32	31	30	29	28	27	26	36.6
35	12/2/2010	23:27:38	0:20:00	35.6	47	41	36	29	28	27	26	26	57
36	12/2/2010	23:47:38	0:20:00	29.4	33	31	30	29	29	28	27	26	38.3
37	12/3/2010	0:07:38	0:20:00	28.2	32	30	29	28	27	26	26	25	38.5
38	12/3/2010	0:27:38	0:20:00	27.1	33	29	28	26	26	25	25	24	42.6
39	12/3/2010	0:47:38	0:20:00	28.9	35	32	31	29	27	26	25	24	44.3
40	12/3/2010	1:07:38	0:20:00	27.7	34	30	29	27	26	25	25	24	51.5
41	12/3/2010	1:27:38	0:20:00	27.8	33	30	29	28	26	26	25	25	51.6
42	12/3/2010	1:47:38	0:20:00	28.2	34	31	30	28	27	26	25	24	40.1
43	12/3/2010	2:07:38	0:20:00	28.4	33	31	30	28	27	26	26	25	38
44	12/3/2010	2:27:38	0:20:00	28.5	34	31	30	28	27	26	26	25	37.4
45	12/3/2010	2:47:38	0:20:00	29.1	33	31	30	29	28	27	27	26	36.1
46	12/3/2010	3:07:38	0:20:00	32.3	37	35	34	32	31	29	28	27	54.4
47	12/3/2010	3:27:38	0:20:00	32.6	38	35	34	32	31	30	30	28	47.5
48	12/3/2010	3:47:38	0:20:00	31.6	36	35	34	32	30	29	28	26	38.3
49	12/3/2010	4:07:38	0:20:00	32.8	40	37	35	32	30	29	29	27	46.6
50	12/3/2010	4:27:38	0:20:00	32.9	37	35	34	33	32	31	30	29	40.9
51	12/3/2010	4:47:38	0:20:00	31.3	38	33	32	31	30	29	29	27	43
52	12/3/2010	5:07:38	0:20:00	29	32	30	30	29	28	28	27	26	36.5
53	12/3/2010	5:27:38	0:20:00	30.7	33	32	32	31	30	29	29	28	36.5
54	12/3/2010	5:47:38	0:20:00	32.9	36	34	34	33	32	31	31	30	40.9
55	12/3/2010	6:07:38	0:20:00	36.1	39	38	37	36	35	34	34	32	45.7
56	12/3/2010	6:27:38	0:20:00	40.2	51	44	41	38	37	36	35	33	55.8
57	12/3/2010	6:47:38	0:20:00	37.7	40	39	39	38	37	36	35	34	49.2
58	12/3/2010	7:07:38	0:20:00	39.8	46	42	41	39	38	38	37	36	53.3
59	12/3/2010	7:27:38	0:20:00	40.1	47	44	42	39	38	37	37	35	51.9
60	12/3/2010	7:47:38	0:20:00	43.3	54	49	45	41	39	38	37	36	58.6

61	12/3/2010	8:07:38	0:20:00	39.9	48	42	41	39	38	38	37	36	53.6
62	12/3/2010	8:27:38	0:20:00	41.9	53	46	42	39	38	37	37	36	61
63	12/3/2010	8:47:38	0:20:00	37.9	41	40	39	38	37	36	36	34	46.2
64	12/3/2010	9:07:38	0:20:00	37.9	42	40	39	38	37	36	36	34	50.8
65	12/3/2010	9:27:38	0:20:00	38.4	49	41	39	37	35	34	34	32	55.6
66	12/3/2010	9:47:38	0:20:00	39.8	53	42	39	36	34	33	32	29	59.7
67	12/3/2010	10:07:38	0:20:00	36.9	45	41	39	37	34	32	31	29	49.7
68	12/3/2010	10:27:38	0:20:00	36.9	45	40	39	36	34	33	32	29	61
69	12/3/2010	10:47:38	0:20:00	35.4	42	40	38	36	33	30	29	28	52
70	12/3/2010	11:07:38	0:20:00	46.4	58	45	41	37	34	32	30	28	71.2
71	12/3/2010	11:27:38	0:20:00	49	60	54	52	45	40	35	33	29	69.5
72	12/3/2010	11:47:38	0:20:00	35.5	43	40	38	36	33	31	30	27	50.8
73	12/3/2010	12:07:38	0:20:00	34.2	44	40	37	32	30	29	28	27	49.8
74	12/3/2010	12:27:38	0:20:00	42.1	50	47	46	42	37	33	31	28	56.5
75	12/3/2010	12:47:38	0:20:00	40.6	52	45	41	38	34	32	31	28	62.2
76	12/3/2010	13:07:38	0:20:00	49	61	55	51	45	39	35	33	30	68.4
77	12/3/2010	13:27:38	0:20:00	42	52	48	44	40	36	34	32	30	64.5
78	12/3/2010	13:47:38	0:20:00	46.3	59	54	45	37	33	32	31	28	62.6
79	12/3/2010	14:07:38	0:20:00	36.4	46	41	38	35	33	31	30	28	54.1
80	12/3/2010	14:27:38	0:20:00	38.6	47	40	37	34	32	31	30	27	62.5
81	12/3/2010	14:47:38	0:20:00	47.8	60	55	50	43	36	33	31	29	63.2
82	12/3/2010	15:07:38	0:20:00	37	45	41	40	37	34	32	30	28	52.1
83	12/3/2010	15:27:38	0:20:00	44	57	45	41	37	34	32	31	28	68.2
84	12/3/2010	15:47:38	0:20:00	37.5	47	42	39	37	34	32	31	29	50.8
85	12/3/2010	16:07:38	0:20:00	40.8	52	46	42	38	35	33	32	31	59.9
86	12/3/2010	16:27:38	0:20:00	38	46	42	41	38	35	33	32	31	52.8
87	12/3/2010	16:47:38	0:20:00	39.7	49	44	42	38	35	33	32	30	66.3
88	12/3/2010	17:07:38	0:20:00	39	49	44	41	37	35	34	33	31	55.1
89	12/3/2010	17:27:38	0:20:00	38.6	48	43	41	37	35	34	33	31	52.9
90	12/3/2010	17:47:38	0:20:00	36.3	41	39	38	37	35	33	32	31	45.8
91	12/3/2010	18:07:38	0:20:00	38.2	47	42	40	38	35	33	32	30	53.9
92	12/3/2010	18:27:38	0:20:00	38	47	42	41	37	35	33	33	31	56.1
93	12/3/2010	18:47:38	0:20:00	40.1	50	46	42	38	37	36	35	33	54.1
94	12/3/2010	19:07:38	0:20:00	39.2	48	41	40	39	38	36	35	32	54.4
95	12/3/2010	19:27:38	0:20:00	39.7	49	44	42	38	37	35	34	33	57
96	12/3/2010	19:47:38	0:20:00	38.2	47	44	41	37	35	34	33	31	51.9
97	12/3/2010	20:07:38	0:20:00	35.5	40	38	37	36	34	34	33	31	46.8
98	12/3/2010	20:27:38	0:20:00	34.8	38	37	36	35	34	33	32	31	47.3
99	12/3/2010	20:47:38	0:20:00	37.2	46	42	38	36	34	33	33	31	53.3
100	12/3/2010	21:07:38	0:20:00	37.6	47	40	38	37	35	35	34	33	50.7
101	12/3/2010	21:27:38	0:20:00	37.9	49	41	37	36	35	34	34	32	56.7
102	12/3/2010	21:47:38	0:20:00	36.4	44	40	38	36	34	33	32	31	51.6
103	12/3/2010	22:07:38	0:20:00	34.6	37	35	35	34	34	33	32	31	55.8
104	12/3/2010	22:27:38	0:20:00	38.4	50	42	39	35	34	34	33	32	55.5
105	12/3/2010	22:47:38	0:20:00	37.3	48	41	38	35	33	32	31	30	54.3
106	12/3/2010	23:07:38	0:20:00	38.8	47	39	38	36	35	34	33	31	61.4
107	12/3/2010	23:27:38	0:20:00	37.7	49	42	39	35	34	33	32	31	55.6
108	12/3/2010	23:47:38	0:20:00	35.7	45	38	36	35	34	33	32	30	50.5
109	12/4/2010	0:07:38	0:20:00	34.4	41	37	36	34	33	32	31	30	50.5
110	12/4/2010	0:27:38	0:20:00	32	35	34	33	32	31	30	30	29	36.2
111	12/4/2010	0:47:38	0:20:00	33.3	36	35	34	33	33	32	31	29	39.6
112	12/4/2010	1:07:38	0:20:00	34.5	42	37	35	34	33	32	31	30	47.1
113	12/4/2010	1:27:38	0:20:00	37.9	51	40	36	34	33	32	31	30	57.5
114	12/4/2010	1:47:38	0:20:00	32.2	36	34	33	32	31	31	30	28	39.7
115	12/4/2010	2:07:38	0:20:00	33.3	39	36	35	33	32	31	30	28	44.5
116	12/4/2010	2:27:38	0:20:00	32.9	39	36	35	33	31	30	29	28	44.4
117	12/4/2010	2:47:38	0:20:00	35.5	42	39	38	36	34	32	31	29	49.3
118	12/4/2010	3:07:38	0:20:00	33.4	37	35	34	34	33	32	31	29	42.6
119	12/4/2010	3:27:38	0:20:00	34.3	38	36	35	34	33	33	32	30	42.2
120	12/4/2010	3:47:38	0:20:00	35	39	37	37	35	34	33	32	30	41.5
121	12/4/2010	4:07:38	0:20:00	34.5	38	36	36	35	34	33	32	30	47.6
122	12/4/2010	4:27:38	0:20:00	36.1	41	38	37	36	35	34	33	31	49.3
123	12/4/2010	4:47:38	0:20:00	34.7	37	36	36	35	34	33	33	31	39.5
124	12/4/2010	5:07:38	0:20:00	34.2	43	37	35	34	32	31	30	29	47.4
125	12/4/2010	5:27:38	0:20:00	32.9	37	34	34	33	32	31	31	30	43.4
126	12/4/2010	5:47:38	0:20:00	32.1	34	33	33	32	32	31	31	29	35.7
127	12/4/2010	6:07:38	0:20:00	33.6	37	35	34	34	33	32	32	31	43.3
128	12/4/2010	6:27:38	0:20:00	34.2	40	36	35	34	33	32	31	30	46.2

129	12/4/2010	6:47:38	0:20:00	34.6	42	37	35	34	33	32	31	30	49.8
130	12/4/2010	7:07:38	0:20:00	34.8	43	36	34	33	32	31	31	30	54.7
131	12/4/2010	7:27:38	0:20:00	34.8	43	39	37	33	32	31	30	28	55.4
132	12/4/2010	7:47:38	0:20:00	36	45	41	38	35	33	31	31	29	50.8
133	12/4/2010	8:07:38	0:20:00	35.7	45	40	37	35	33	32	31	30	54
134	12/4/2010	8:27:38	0:20:00	33.9	38	36	35	34	33	32	32	30	46.5
135	12/4/2010	8:47:38	0:20:00	38.8	48	40	39	38	37	35	34	32	58.6
136	12/4/2010	9:07:38	0:20:00	46.4	58	54	47	41	39	38	37	35	65
137	12/4/2010	9:27:38	0:20:00	50.4	48	42	40	38	36	35	35	34	86.3
138	12/4/2010	9:47:38	0:20:00	40.8	54	41	38	37	35	34	34	32	63
139	12/4/2010	10:07:38	0:20:00	34.8	41	38	37	35	33	32	31	29	49.3
140	12/4/2010	10:27:38	0:20:00	36	44	40	38	36	33	31	29	28	50.5
141	12/4/2010	10:47:38	0:20:00	35	44	38	37	34	32	30	29	28	54.8
142	12/4/2010	11:07:38	0:20:00	34.2	44	37	35	33	31	30	29	27	55.1
143	12/4/2010	11:27:38	0:20:00	35.3	44	41	38	34	32	30	29	27	48.9
144	12/4/2010	11:47:38	0:20:00	36.8	48	41	38	34	32	31	30	27	54.7
145	12/4/2010	12:07:38	0:20:00	34.9	47	38	36	33	31	29	28	27	50.2
146	12/4/2010	12:27:38	0:20:00	36	46	40	37	34	33	31	30	27	53.5
147	12/4/2010	12:47:38	0:20:00	42.6	54	49	45	38	33	30	29	27	61.9
148	12/4/2010	13:07:38	0:20:00	37.4	50	41	38	34	31	29	28	27	55.8
149	12/4/2010	13:27:38	0:20:00	37.9	45	42	40	38	36	34	32	29	54.3
150	12/4/2010	13:47:38	0:20:00	48.2	58	42	37	35	33	32	31	29	80.9
151	12/4/2010	14:07:38	0:19:59	47.3	61	50	45	40	36	34	32	30	66.7
152	12/4/2010	14:27:38	0:20:00	38.3	45	43	41	39	36	34	32	31	51.9
153	12/4/2010	14:47:38	0:19:59	37	44	40	39	37	35	33	33	31	48.4
154	12/4/2010	15:07:38	0:19:59	42	48	46	44	43	40	38	36	32	56.1
155	12/4/2010	15:27:38	0:19:51	42.7	48	46	45	43	41	39	38	34	52.1
156	12/4/2010	15:47:38	0:20:00	40.9	46	44	43	42	39	38	36	32	56.1
157	12/4/2010	16:07:38	0:20:00	40.8	47	44	43	41	39	37	36	33	50.8
158	12/4/2010	16:27:38	0:19:41	43.2	50	48	46	44	41	38	36	33	53.1
159	12/4/2010	16:47:38	0:19:49	42.4	48	46	45	43	40	38	37	34	54
160	12/4/2010	17:07:38	0:19:57	41.7	48	46	44	42	40	38	37	35	54
161	12/4/2010	17:27:38	0:19:25	44.6	50	49	47	45	43	40	38	34	54.9
162	12/4/2010	17:47:38	0:17:26	47.4	53	51	50	48	46	43	41	38	55.8
163	12/4/2010	18:07:38	0:19:00	46.2	51	50	49	47	45	42	41	37	55.1
164	12/4/2010	18:27:38	0:18:40	46.1	52	50	49	47	45	42	39	36	58.1
165	12/4/2010	18:47:38	0:18:53	46	53	50	49	46	44	42	40	36	60.2
166	12/4/2010	19:07:38	0:19:34	44.2	51	48	47	45	42	39	37	35	58.7
167	12/4/2010	19:27:38	0:19:44	43.8	50	48	46	44	42	40	38	34	54.9
168	12/4/2010	19:47:38	0:18:52	46.1	53	51	50	46	43	41	39	36	57.2
169	12/4/2010	20:07:38	0:18:45	46.3	52	50	49	47	45	42	40	36	55.7
170	12/4/2010	20:27:38	0:18:36	49.6	53	51	49	47	44	41	39	36	85.2
171	12/4/2010	20:47:38	0:18:11	55.1	53	51	50	48	46	44	41	35	92.2
172	12/4/2010	21:07:38	0:17:18	48.1	53	51	50	49	47	45	43	39	56.3
173	12/4/2010	21:27:38	0:19:55	43	49	47	46	44	41	39	37	33	51.9
174	12/4/2010	21:47:38	0:19:41	43.9	51	48	47	44	41	39	37	34	55.5
175	12/4/2010	22:07:38	0:19:38	44.5	52	50	48	45	41	38	36	32	56
176	12/4/2010	22:27:38	0:19:36	44.3	52	49	48	45	41	38	36	33	61.5
177	12/4/2010	22:47:38	0:19:37	46	52	50	49	47	44	41	38	33	55.2
178	12/4/2010	23:07:38	0:19:43	43.3	51	49	47	43	40	37	35	33	56.8
179	12/4/2010	23:27:38	0:19:51	45.2	53	50	48	45	42	38	35	32	60.9
180	12/4/2010	23:47:38	0:18:59	46.3	53	51	50	47	43	40	37	33	59.1
181	12/5/2010	0:07:38	0:18:59	46.2	53	51	50	47	43	40	38	34	57.4
182	12/5/2010	0:27:38	0:19:23	46.8	54	51	50	47	44	41	38	34	59.9
183	12/5/2010	0:47:38	0:19:12	45.9	53	51	49	46	43	41	39	36	57.1
184	12/5/2010	1:07:38	0:18:23	48.8	55	53	52	50	47	44	41	37	58.4
185	12/5/2010	1:27:38	0:16:53	49	55	53	52	50	47	44	42	38	58.7
186	12/5/2010	1:47:38	0:17:49	49	55	53	52	50	47	44	42	37	60.9
187	12/5/2010	2:07:38	0:19:09	45.8	54	51	49	46	42	39	37	35	60.1
188	12/5/2010	2:27:38	0:18:35	47	54	52	50	48	45	41	39	36	57.5
189	12/5/2010	2:47:38	0:19:54	44.5	53	49	47	44	41	39	38	35	56.4
190	12/5/2010	3:07:38	0:19:47	45	53	50	48	45	42	39	38	35	58.1
191	12/5/2010	3:27:38	0:19:47	45.1	53	50	48	45	42	39	37	34	57.1
192	12/5/2010	3:47:38	0:19:30	45.8	53	51	49	46	42	39	37	34	58.4
193	12/5/2010	4:07:38	0:19:38	45.6	53	50	49	46	43	39	37	34	58.6
194	12/5/2010	4:27:38	0:18:45	47.6	54	52	51	48	45	42	40	35	58.2
195	12/5/2010	4:47:38	0:19:08	46.5	53	51	50	47	44	41	39	35	56.5
196	12/5/2010	5:07:38	0:19:47	44.9	52	50	48	45	42	40	38	34	56.3

197	12/5/2010	5:27:38	0:19:35	45.6	52	50	49	46	43	40	39	36	56.5
198	12/5/2010	5:47:38	0:19:37	45.1	52	50	48	46	42	40	38	35	55.2
199	12/5/2010	6:07:38	0:19:00	46.9	54	51	50	47	44	41	40	36	57.1
200	12/5/2010	6:27:38	0:17:59	49	55	53	52	50	47	43	41	37	59.2
201	12/5/2010	6:47:38	0:19:53	44.4	52	49	47	45	42	39	37	33	56.7
202	12/5/2010	7:07:38	0:20:00	36.8	42	39	38	37	36	34	34	32	54
203	12/5/2010	7:27:38	0:20:00	36.4	41	39	38	37	35	34	34	32	45.9
204	12/5/2010	7:47:38	0:20:00	36.3	39	38	38	37	35	35	34	32	45.2
205	12/5/2010	8:07:38	0:20:00	37.6	44	39	38	37	36	35	35	33	58.1
206	12/5/2010	8:27:38	0:20:00	44.2	58	42	39	37	35	34	34	31	65.7
207	12/5/2010	8:47:38	0:20:00	37	45	40	39	36	35	33	32	31	57.6
208	12/5/2010	9:07:38	0:20:00	35	40	37	36	35	34	33	32	30	45.3
209	12/5/2010	9:27:38	0:20:00	36.4	41	39	38	36	35	34	33	32	50.6
210	12/5/2010	9:47:38	0:19:59	39.3	48	45	42	39	36	34	33	31	52.1
211	12/5/2010	10:07:38	0:19:41	44.8	53	49	48	45	42	38	36	31	61.4
212	12/5/2010	10:27:38	0:17:52	49.7	58	54	52	50	47	45	42	39	65.5
213	12/5/2010	10:47:38	0:18:30	47.1	53	51	50	48	45	43	41	36	57.1
214	12/5/2010	11:07:38	0:18:24	47.5	54	52	51	48	45	42	40	36	56.4
215	12/5/2010	11:27:38	0:19:55	41.7	50	46	44	42	39	36	35	32	54.3
216	12/5/2010	11:47:38	0:19:29	45.4	53	50	49	46	42	39	37	33	56.5
217	12/5/2010	12:07:38	0:17:56	48.5	56	53	52	49	45	42	40	35	62
218	12/5/2010	12:27:38	0:18:22	47.2	54	51	50	48	45	41	38	35	58.7
219	12/5/2010	12:47:38	0:19:39	57.3	56	51	49	45	42	40	37	33	94.8
220	12/5/2010	13:07:38	0:20:00	44.4	51	49	47	45	42	40	38	34	54.5
221	12/5/2010	13:27:38	0:20:00	42.9	50	47	45	43	41	38	37	33	56.6
222	12/5/2010	13:47:38	0:20:00	45.4	52	49	48	46	44	41	39	36	54.9
223	12/5/2010	14:07:38	0:20:00	46.9	52	51	50	48	45	42	39	36	60.1
224	12/5/2010	14:27:38	0:15:06	50	57	54	52	50	47	44	42	38	71.8
225	12/5/2010	14:47:38	0:17:49	47.4	54	52	50	48	45	42	40	36	61.1
226	12/5/2010	15:07:38	0:18:20	46.7	53	51	50	47	44	41	39	35	57.7
227	12/5/2010	15:27:38	0:16:16	49.1	55	53	51	50	47	45	43	39	60.8
228	12/5/2010	15:47:38	0:16:47	49	55	53	51	50	47	45	43	37	65.6
229	12/5/2010	16:07:38	0:19:21	46	55	51	49	46	43	39	36	32	58.9
230	12/5/2010	16:27:38	0:19:58	42.1	51	47	45	42	38	35	33	31	58.7
231	12/5/2010	16:47:38	0:19:58	40.5	50	45	44	40	37	34	32	31	54.6
232	12/5/2010	17:07:38	0:20:00	41.3	49	45	44	41	39	37	35	33	58.6
233	12/5/2010	17:27:38	0:20:00	39.1	47	44	42	39	36	34	32	30	53.6
234	12/5/2010	17:47:38	0:19:56	40.6	51	45	42	39	37	34	33	31	57.5
235	12/5/2010	18:07:38	0:20:00	39.9	48	43	41	39	37	35	33	31	59.7
236	12/5/2010	18:27:38	0:20:00	41.6	49	45	44	41	40	39	38	35	55.2
237	12/5/2010	18:47:38	0:20:00	45.2	56	48	46	43	41	40	39	37	67.1
238	12/5/2010	19:07:38	0:20:00	40.4	47	44	42	40	39	38	37	35	55.3
239	12/5/2010	19:27:38	0:20:00	41.1	48	44	43	41	39	38	37	35	53.7
240	12/5/2010	19:47:38	0:20:00	41	50	45	43	40	38	36	35	33	58.5
241	12/5/2010	20:07:38	0:20:00	39.5	47	43	42	39	37	36	35	33	52.9
242	12/5/2010	20:27:38	0:19:52	41.2	50	45	44	41	38	36	35	33	58.3
243	12/5/2010	20:47:38	0:20:00	39	46	43	41	39	37	35	34	32	51.9
244	12/5/2010	21:07:38	0:19:59	40	47	45	43	40	37	35	33	31	53.3
245	12/5/2010	21:27:38	0:19:44	43.6	51	49	47	44	40	38	36	33	57
246	12/5/2010	21:47:38	0:18:40	44.8	52	50	48	46	42	38	35	32	54.5
247	12/5/2010	22:07:38	0:17:42	47.2	53	51	50	48	45	42	39	33	59.2
248	12/5/2010	22:27:38	0:16:38	48.3	55	52	51	49	47	43	40	34	59.2
249	12/5/2010	22:47:38	0:18:49	45	51	49	48	46	43	40	38	34	57.4
250	12/5/2010	23:07:38	0:17:44	46.8	53	51	50	47	45	42	40	36	58.1
251	12/5/2010	23:27:38	0:18:45	47.2	53	51	50	48	45	43	40	36	57.5
252	12/5/2010	23:47:38	0:17:08	47.6	54	52	51	48	45	42	38	34	57
253	12/6/2010	0:07:38	0:14:18	49.2	55	53	52	50	47	45	42	38	59.9
254	12/6/2010	0:27:38	0:15:55	49.1	54	53	52	50	48	45	43	38	56.9
255	12/6/2010	0:47:38	0:18:49	46.2	53	50	49	47	45	41	37	34	57.1
256	12/6/2010	1:07:38	0:19:47	41.9	50	48	45	42	38	35	33	30	55.4
257	12/6/2010	1:27:38	0:20:00	38.6	47	43	41	38	35	33	32	31	51.9
258	12/6/2010	1:47:38	0:19:59	40.1	49	46	43	39	36	33	32	31	53.9
259	12/6/2010	2:07:38	0:19:58	39.4	47	44	42	39	36	34	33	31	54.8
260	12/6/2010	2:27:38	0:19:45	42.2	51	47	45	41	38	36	34	31	56.2
261	12/6/2010	2:47:38	0:19:49	42.5	50	47	46	43	40	37	35	31	54.6
262	12/6/2010	3:07:38	0:19:35	42.7	50	48	46	43	38	35	34	32	57.6
263	12/6/2010	3:27:38	0:19:43	44.5	53	49	48	45	41	38	35	32	58.6
264	12/6/2010	3:47:38	0:19:26	44.5	52	50	48	45	41	36	33	31	55.8

265	12/6/2010	4:07:38	0:19:55	42.1	50	47	45	42	39	35	34	32	53.6
266	12/6/2010	4:27:38	0:18:34	46.1	53	50	49	47	43	40	38	34	56.5
267	12/6/2010	4:47:38	0:19:37	44.1	51	48	47	45	42	39	37	33	54.3
268	12/6/2010	5:07:38	0:19:52	42.2	50	47	45	43	39	36	34	31	53.9
269	12/6/2010	5:27:38	0:19:58	40.6	47	45	44	41	38	35	34	31	50.9
270	12/6/2010	5:47:38	0:19:43	42.4	50	48	46	42	39	36	34	31	54.5
271	12/6/2010	6:07:38	0:20:00	41.1	53	45	41	36	33	32	31	29	64.6
272	12/6/2010	6:27:38	0:20:00	43.9	53	49	47	43	40	37	34	33	58.6
273	12/6/2010	6:47:38	0:18:25	46.8	53	52	50	48	44	40	37	35	57.7
274	12/6/2010	7:07:38	0:17:11	50.2	60	53	52	50	47	45	43	37	67.9
275	12/6/2010	7:27:38	0:18:50	46.4	53	50	49	47	44	42	40	37	57.4
276	12/6/2010	7:47:38	0:19:04	46.7	53	50	49	47	45	43	41	36	60.9
277	12/6/2010	8:07:38	0:19:38	44.7	52	49	48	45	42	40	37	34	61.7
278	12/6/2010	8:27:38	0:19:32	45.6	53	50	48	46	43	40	39	36	61.1
279	12/6/2010	8:47:38	0:16:01	48.5	55	52	51	49	47	45	43	38	60.5
280	12/6/2010	9:07:38	0:16:51	48.5	54	52	51	49	47	44	42	39	59.5
281	12/6/2010	9:27:38	0:19:11	44.7	52	50	48	45	41	38	36	33	56.5
282	12/6/2010	9:47:38	0:19:45	43.2	50	48	46	44	41	38	36	33	54
283	12/6/2010	10:07:38	0:13:20	45.5	55	50	47	45	42	38	36	33	70.6