APPENDIX V

VAISALA NATIONAL LIGHTNING DETECTION REPORT 258028

STRIKEnet®

[redacted]

Jun 9, 2010 05:16:59 PM

Thank you for using Vaisala's STRIKEnet¬Æ to validate the referenced claim. Your report was generated using data from Vaisala's National Lightning Detection Network¬Æ, the most comprehensive archive database in North America.

STRIKEnet Report 258028

Report Number:	SF Performance Coal Co
Claim Number:	(Claim # Not Provided)
Insured/Claimant Name:	Upper Big Branch Mine
Approx. Claim/Loss Value:	
Items Damaged/Loss Type:	
Search Period:	Apr 5, 2010 06:00:00 AM US/Eastern to Apr 6, 2010 06:00:00 AM US/Eastern
Search Radius:	10 mi/16 km around the given location.
Search Center Point:	37.943000° N (Latitude), 81.604000° W (Longitude)

Comments: 293 strikes were detected by the National Lightning Detection Network for the given time period and location.

Thank you again for selecting STRIKEnet. If you have any questions please contact us at 1 800 283 4557 or thunderstorm.support@vaisala.com.

Best Regards,

The Vaisala STRIKEnet Team

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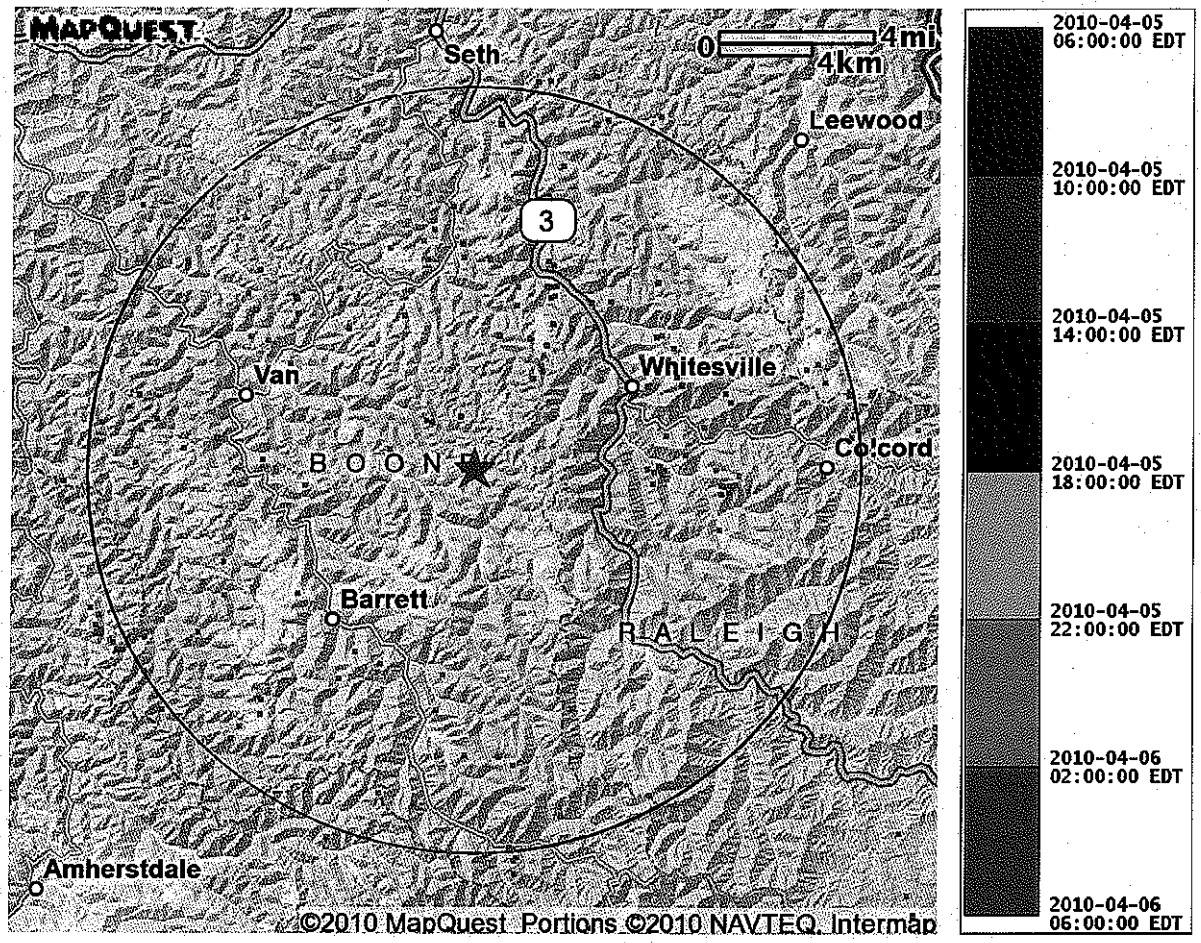
Report Title: SF Performance Coal Co
Total Lightning Strokes Detected: 293
Lightning Strokes Detected within 10 mi/16 km radius: 195
Lightning Strokes Detected beyond 10 mi/16 km whose confidence ellipse overlaps the radius: 98
Search Radius: 10 mi/16 km
Time Span: Apr 5, 2010 06:00:00 AM US/Eastern to Apr 6, 2010 06:00:00 AM US/Eastern

Location Points For Lightning Strokes



Lightning data provided by Vaisala's NLDN¬Æ and/or Environment Canada's CLDN.

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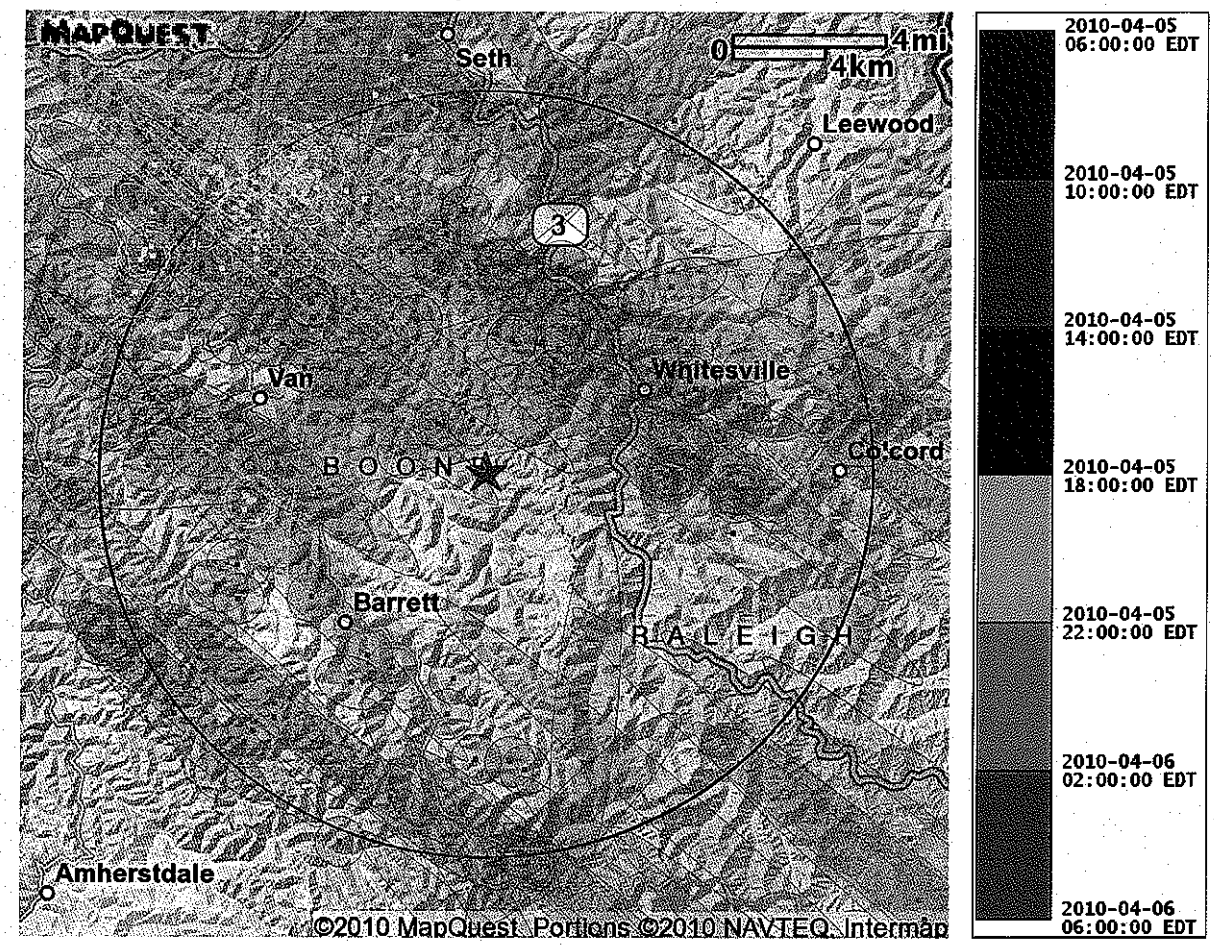
Confidence Ellipses For Lightning Strokes



Lightning data provided by Vaisala's NLDN¬Æ and/or Environment Canada's CLDN. Note: These ellipses indicate a 99% certainty that the recorded lightning event contacted the ground within the bounds of the ellipse.

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STRIKEnet Report 258028

Area Of Study With Center Point

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Lightning Stroke Table (Note: Earliest 50 events shown. Events ordered by time.)

Date	Time	Peak Current (kA)	Distance From Center (mi/km)	Latitude	Longitude
Apr 5, 2010	09:36:04 AM	-5.3	11.9/19.1	38.0000	-81.8098
Apr 5, 2010	09:36:05 AM	-7.4	11.1/17.9	37.9954	-81.7969
Apr 5, 2010	09:36:05 AM	-36.9	8.8/14.2	37.9710	-81.7618
Apr 5, 2010	09:40:34 AM	-32.6	7.4/11.9	37.9933	-81.7243
Apr 5, 2010	09:43:40 AM	-18.3	6.4/10.3	38.0079	-81.6885
Apr 5, 2010	09:45:11 AM	18.6	6.0/9.8	38.0015	-81.6868
Apr 5, 2010	09:45:11 AM	-53.8	7.5/12.1	38.0177	-81.7049
Apr 5, 2010	09:48:36 AM	-25.8	4.4/7.1	38.0010	-81.6376
Apr 5, 2010	09:50:13 AM	-16.3	3.5/5.7	37.9933	-81.5926
Apr 5, 2010	09:50:13 AM	-9.2	6.3/10.2	38.0071	-81.6873
Apr 5, 2010	09:50:13 AM	-2.2	5.8/9.4	38.0109	-81.6678
Apr 5, 2010	09:51:57 AM	-16.9	3.7/6.0	37.9899	-81.5700
Apr 5, 2010	09:51:57 AM	31.2	6.8/10.9	38.0133	-81.5173
Apr 5, 2010	09:51:57 AM	-9.7	4.3/6.9	37.9977	-81.5670
Apr 5, 2010	09:52:55 AM	-13.2	1.4/2.3	37.9631	-81.6107
Apr 5, 2010	09:54:34 AM	-15.9	5.3/8.5	38.0058	-81.5485
Apr 5, 2010	09:54:34 AM	-14.9	4.8/7.8	37.9966	-81.5469
Apr 5, 2010	09:54:35 AM	-25.4	6.8/11.0	38.0420	-81.6145
Apr 5, 2010	09:57:41 AM	-75.3	5.8/9.3	37.9747	-81.5057
Apr 5, 2010	09:57:41 AM	-19.3	5.7/9.2	37.9779	-81.5083
Apr 5, 2010	10:02:18 AM	-101.8	9.3/15.0	37.9759	-81.4381
Apr 5, 2010	10:02:18 AM	-12.7	8.9/14.4	37.9807	-81.4471
Apr 5, 2010	10:05:34 AM	-7.7	11.7/18.8	37.9658	-81.3911
Apr 5, 2010	10:05:34 AM	-2.3	9.5/15.4	37.9954	-81.4419
Apr 5, 2010	10:09:42 AM	-91.0	9.8/15.8	37.9709	-81.4270
Apr 5, 2010	10:09:42 AM	-19.3	10.4/16.8	37.9724	-81.4162
Apr 5, 2010	10:09:42 AM	-5.8	11.4/18.4	37.9582	-81.3949
Apr 5, 2010	10:09:42 AM	-24.2	10.3/16.7	37.9709	-81.4172
Apr 5, 2010	07:07:02 PM	-27.5	8.4/13.5	38.0274	-81.7143
Apr 5, 2010	07:07:14 PM	-14.7	10.0/16.2	38.0512	-81.7277
Apr 5, 2010	07:07:50 PM	-9.5	10.9/17.6	38.0413	-81.7618
Apr 5, 2010	07:07:50 PM	-5.3	8.6/13.9	38.0198	-81.7293
Apr 5, 2010	07:07:54 PM	-12.6	8.1/13.1	38.0236	-81.7132
Apr 5, 2010	07:08:16 PM	-11.0	10.4/16.8	38.0504	-81.7389
Apr 5, 2010	07:08:16 PM	-16.0	10.5/16.9	38.0526	-81.7379
Apr 5, 2010	07:08:44 PM	-34.8	9.3/14.9	38.0411	-81.7205
Apr 5, 2010	07:08:44 PM	-26.4	9.3/14.9	38.0385	-81.7239

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Date	Time	Peak Current (kA)	Distance From Center (mi/km)	Latitude	Longitude
Apr 5, 2010	07:08:44 PM	-37.6	9.4/15.2	38.0445	-81.7207
Apr 5, 2010	07:08:44 PM	-8.9	9.5/15.2	38.0425	-81.7237
Apr 5, 2010	07:08:44 PM	-32.4	9.4/15.1	38.0444	-81.7192
Apr 5, 2010	07:09:07 PM	-2.0	15.5/25.0	38.0994	-81.8094
Apr 5, 2010	07:09:49 PM	-8.5	8.4/13.5	38.0323	-81.7089
Apr 5, 2010	07:09:49 PM	-8.8	9.1/14.6	38.0396	-81.7174
Apr 5, 2010	07:10:11 PM	-7.9	9.0/14.5	37.9995	-81.7533
Apr 5, 2010	07:10:31 PM	-20.0	10.4/16.8	38.0570	-81.7301
Apr 5, 2010	07:10:31 PM	-15.2	10.3/16.6	38.0551	-81.7299
Apr 5, 2010	07:10:31 PM	-34.3	10.6/17.0	38.0573	-81.7333
Apr 5, 2010	07:10:31 PM	-3.5	10.6/17.0	38.0562	-81.7348
Apr 5, 2010	07:10:31 PM	-2.3	8.8/14.2	38.0344	-81.7177
Apr 5, 2010	07:10:32 PM	-11.6	10.5/17.0	38.0580	-81.7318

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Lightning Strokes Detected beyond 10 mi/16 km whose confidence ellipse overlaps the radius: 98
Search Radius: 10 mi/16 km
Time Span: Apr 5, 2010 06:00:00 AM US/Eastern to Apr 6, 2010 06:00:00 AM US/Eastern

Lightning Stroke Table (Note: Closest 50 events shown. Events ordered by distance.)

Date	Time	Peak Current (kA)	Distance From Center (mi/km)	Latitude	Longitude
Apr 5, 2010	09:52:55 AM	-13.2	1.4/2.3	37.9631	-81.6107
Apr 5, 2010	10:51:39 PM	-16.4	1.7/2.7	37.9610	-81.6244
Apr 5, 2010	10:51:39 PM	-9.5	1.8/2.9	37.9615	-81.6271
Apr 5, 2010	10:24:44 PM	16.0	2.2/3.6	37.9507	-81.6441
Apr 5, 2010	10:47:30 PM	-9.6	2.8/4.5	37.9774	-81.5763
Apr 5, 2010	10:52:00 PM	-12.9	3.1/5.0	37.9801	-81.5720
Apr 5, 2010	08:14:12 PM	-2.0	3.1/5.0	37.9878	-81.6125
Apr 5, 2010	11:07:56 PM	-11.2	3.2/5.2	37.9821	-81.5725
Apr 5, 2010	10:53:58 PM	-3.3	3.5/5.6	37.9860	-81.5712
Apr 5, 2010	09:50:13 AM	-16.3	3.5/5.7	37.9933	-81.5926
Apr 5, 2010	11:01:41 PM	27.9	3.7/5.9	37.9922	-81.5778
Apr 5, 2010	09:51:57 AM	-16.9	3.7/6.0	37.9899	-81.5700
Apr 5, 2010	10:43:14 PM	-19.4	4.2/6.8	37.9901	-81.6530
Apr 5, 2010	09:51:57 AM	-9.7	4.3/6.9	37.9977	-81.5670
Apr 5, 2010	10:47:41 PM	-6.0	4.3/7.0	37.9372	-81.6835
Apr 5, 2010	10:52:46 PM	-8.9	4.4/7.1	38.0046	-81.5839
Apr 5, 2010	09:48:36 AM	-25.8	4.4/7.1	38.0010	-81.6376
Apr 5, 2010	10:55:39 PM	-6.2	4.4/7.1	37.9960	-81.5580
Apr 5, 2010	10:59:49 PM	-19.3	4.5/7.2	37.9434	-81.5220
Apr 5, 2010	11:02:01 PM	-2.8	4.5/7.3	37.9709	-81.5289
Apr 5, 2010	10:59:49 PM	-12.3	4.6/7.4	37.9380	-81.5194
Apr 5, 2010	10:59:07 PM	-38.9	4.6/7.5	37.9425	-81.5189
Apr 5, 2010	10:59:07 PM	-9.6	4.7/7.6	37.9445	-81.5168
Apr 5, 2010	10:59:49 PM	-9.2	4.8/7.7	37.9443	-81.5159
Apr 5, 2010	10:59:07 PM	-13.4	4.8/7.7	37.9428	-81.5158
Apr 5, 2010	09:54:34 AM	-14.9	4.8/7.8	37.9966	-81.5469
Apr 5, 2010	10:59:49 PM	-18.3	4.8/7.8	37.9415	-81.5148
Apr 5, 2010	10:56:21 PM	-8.4	4.9/7.8	38.0073	-81.5677
Apr 5, 2010	10:33:56 PM	-26.2	4.9/7.8	38.0115	-81.5835
Apr 5, 2010	10:43:14 PM	-8.7	4.9/7.9	37.9961	-81.6635
Apr 5, 2010	10:59:49 PM	-14.3	4.9/7.9	37.9431	-81.5139
Apr 5, 2010	10:33:56 PM	-48.0	4.9/8.0	38.0081	-81.5661
Apr 5, 2010	10:55:01 PM	-18.4	5.0/8.0	37.9745	-81.5217
Apr 5, 2010	11:01:41 PM	42.4	5.0/8.1	37.9560	-81.5130
Apr 5, 2010	10:55:39 PM	-12.8	5.1/8.2	38.0152	-81.5858
Apr 5, 2010	10:56:21 PM	-22.8	5.1/8.2	38.0121	-81.5699
Apr 5, 2010	10:56:21 PM	-11.8	5.1/8.3	38.0116	-81.5675

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Apr 5, 2010	10:55:38 PM	-10.0	5.2/8.4	37.9857	-81.5251
Apr 5, 2010	10:55:38 PM	-12.3	5.2/8.4	38.0121	-81.5653
Apr 5, 2010	09:54:34 AM	-15.9	5.3/8.5	38.0058	-81.5485
Apr 5, 2010	11:06:51 PM	-14.1	5.4/8.6	37.8661	-81.6188
Apr 5, 2010	10:48:52 PM	-5.6	5.4/8.7	37.9466	-81.7034
Apr 5, 2010	11:29:48 PM	-19.7	5.4/8.8	38.0216	-81.5969
Apr 5, 2010	07:11:24 PM	-4.1	5.4/8.8	37.9171	-81.6984
Apr 5, 2010	10:29:49 PM	-14.0	5.4/8.8	37.9828	-81.6904
Apr 5, 2010	10:38:37 PM	-24.8	5.5/8.8	38.0051	-81.6662
Apr 5, 2010	10:45:21 PM	-7.9	5.5/8.8	37.9486	-81.5039
Apr 5, 2010	11:29:48 PM	-15.7	5.5/8.9	38.0225	-81.5972
Apr 5, 2010	11:29:48 PM	-40.3	5.5/8.9	38.0226	-81.6094
Apr 5, 2010	11:02:21 PM	-11.5	5.5/8.9	37.8968	-81.6864

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Apr 5, 2010	09:51:57 AM	-9.7	4.3/6.9	37.9977	-81.5670
Apr 5, 2010	09:52:55 AM	-13.2	1.4/2.3	37.9631	-81.6107
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Apr 5, 2010	07:07:50 PM	-9.5	10.9/17.6	38.0413	-81.7618
Apr 5, 2010	07:07:50 PM	-5.3	8.6/13.9	38.0198	-81.7293
Apr 5, 2010	07:07:54 PM	-12.6	8.1/13.1	38.0236	-81.7132
Apr 5, 2010	07:08:16 PM	-11.0	10.4/16.8	38.0504	-81.7389
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Apr 5, 2010	07:08:44 PM	-32.4	9.4/15.1	38.0444	-81.7192
Apr 5, 2010	07:09:07 PM	-2.0	15.5/25.0	38.0994	-81.8094
Apr 5, 2010	07:09:49 PM	-8.5	8.4/13.5	38.0323	-81.7089
Apr 5, 2010	07:09:49 PM	-8.8	9.1/14.6	38.0396	-81.7174
Apr 5, 2010	07:10:11 PM	-7.9	9.0/14.5	37.9995	-81.7533
Apr 5, 2010	07:10:31 PM	-20.0	10.4/16.8	38.0570	-81.7301
Apr 5, 2010	07:10:31 PM	-15.2	10.3/16.6	38.0551	-81.7299
Apr 5, 2010	07:10:31 PM	-34.3	10.6/17.0	38.0573	-81.7333
Apr 5, 2010	07:10:31 PM	-3.5	10.6/17.0	38.0562	-81.7348
Apr 5, 2010	07:10:31 PM	-2.3	8.8/14.2	38.0344	-81.7177
Apr 5, 2010	07:10:32 PM	-11.6	10.5/17.0	38.0580	-81.7318
Apr 5, 2010	07:11:07 PM	-16.8	8.9/14.3	38.0492	-81.6960
Apr 5, 2010	07:11:07 PM	-5.4	7.8/12.6	38.0460	-81.6626
Apr 5, 2010	07:11:07 PM	-9.0	8.6/13.9	38.0462	-81.6928
Apr 5, 2010	07:11:07 PM	-5.6	8.5/13.8	38.0321	-81.7129
Apr 5, 2010	07:11:23 PM	-16.0	8.8/14.1	38.0387	-81.7098
Apr 5, 2010	07:11:24 PM	-27.0	6.3/10.2	37.9294	-81.7185
Apr 5, 2010	07:11:24 PM	-20.6	6.2/10.0	37.9346	-81.7177
Apr 5, 2010	07:11:24 PM	-10.6	6.1/9.9	37.9329	-81.7159
Apr 5, 2010	07:11:24 PM	-9.3	6.0/9.7	37.9326	-81.7143
Apr 5, 2010	07:11:24 PM	-7.9	6.2/9.9	37.9322	-81.7165
Apr 5, 2010	07:11:24 PM	-4.1	5.4/8.8	37.9171	-81.6984
Apr 5, 2010	07:11:24 PM	-5.0	6.0/9.7	37.9250	-81.7118
Apr 5, 2010	07:11:54 PM	-50.0	8.8/14.2	38.0477	-81.6961
Apr 5, 2010	07:11:54 PM	-3.3	9.4/15.2	38.0479	-81.7143
Apr 5, 2010	07:12:09 PM	-15.7	9.2/14.8	38.0525	-81.7006
Apr 5, 2010	07:12:34 PM	-65.1	8.3/13.4	38.0397	-81.6953
Apr 5, 2010	07:12:34 PM	-21.6	9.0/14.6	38.0544	-81.6920
Apr 5, 2010	07:12:34 PM	-2.8	8.7/14.1	38.0445	-81.7005
Apr 5, 2010	07:12:34 PM	-25.6	8.7/14.0	38.0480	-81.6915
Apr 5, 2010	07:12:34 PM	-22.1	8.4/13.6	38.0451	-81.6898
Apr 5, 2010	07:12:34 PM	-8.0	7.8/12.5	38.0388	-81.6790
Apr 5, 2010	07:12:34 PM	-42.6	8.5/13.6	38.0454	-81.6899
Apr 5, 2010	07:12:34 PM	-8.8	7.7/12.5	38.0388	-81.6785
Apr 5, 2010	07:12:34 PM	-11.1	8.6/13.9	38.0503	-81.6852
Apr 5, 2010	07:13:22 PM	-14.7	9.7/15.6	38.0568	-81.7088
Apr 5, 2010	07:13:22 PM	-14.0	9.7/15.6	38.0561	-81.7104
Apr 5, 2010	07:13:22 PM	-20.5	9.9/16.0	38.0543	-81.7192
Apr 5, 2010	07:14:08 PM	-21.2	9.6/15.6	38.0524	-81.7146
Apr 5, 2010	07:14:09 PM	-14.1	7.5/12.1	38.0465	-81.6466
Apr 5, 2010	07:14:42 PM	-84.0	9.4/15.2	38.0597	-81.6936
Apr 5, 2010	07:14:42 PM	-11.0	9.5/15.3	38.0612	-81.6932
Apr 5, 2010	07:14:42 PM	-19.0	9.4/15.2	38.0576	-81.6990
Apr 5, 2010	07:14:42 PM	-31.4	9.5/15.3	38.0620	-81.6908
Apr 5, 2010	07:14:42 PM	-19.4	9.6/15.5	38.0620	-81.6964
Apr 5, 2010	07:14:42 PM	-5.3	7.0/11.4	38.0366	-81.6561
Apr 5, 2010	07:14:42 PM	-15.5	8.9/14.3	38.0552	-81.6841
Apr 5, 2010	07:14:42 PM	-13.8	9.0/14.4	38.0565	-81.6842

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Date	Time	Peak Current (kA)	Distance From Center (mi/km)	Latitude	Longitude
Apr 5, 2010	07:14:43 PM	-8.4	8.2/13.2	38.0490	-81.6711
Apr 5, 2010	07:14:43 PM	-8.5	9.6/15.5	38.0625	-81.6951
Apr 5, 2010	07:17:35 PM	-41.4	10.1/16.3	38.0736	-81.6890
Apr 5, 2010	07:17:35 PM	-33.6	10.2/16.5	38.0854	-81.6578
Apr 5, 2010	07:19:06 PM	30.0	8.8/14.3	38.0303	-81.7233
Apr 5, 2010	07:24:10 PM	-55.9	10.2/16.4	38.0109	-81.7701
Apr 5, 2010	07:24:10 PM	-23.2	10.5/17.0	38.0269	-81.7656
Apr 5, 2010	07:24:10 PM	-13.2	10.4/16.8	38.0278	-81.7628
Apr 5, 2010	07:24:10 PM	-16.1	10.3/16.6	38.0245	-81.7620
Apr 5, 2010	07:24:10 PM	-29.8	10.5/16.9	38.0253	-81.7663
Apr 5, 2010	07:24:10 PM	-25.1	10.5/16.9	38.0231	-81.7676
Apr 5, 2010	07:25:15 PM	-7.8	24.6/39.6	38.1531	-81.9692
Apr 5, 2010	07:29:47 PM	-3.0	14.7/23.7	38.0753	-81.8157
Apr 5, 2010	07:29:48 PM	-2.0	13.4/21.6	37.9503	-81.8497
Apr 5, 2010	07:30:36 PM	-10.5	8.6/13.8	38.0642	-81.6383
Apr 5, 2010	07:31:23 PM	-11.6	15.2/24.6	38.1011	-81.8003
Apr 5, 2010	07:31:23 PM	-2.0	11.0/17.8	38.0595	-81.7432
Apr 5, 2010	07:32:21 PM	-5.4	10.4/16.8	38.0614	-81.7225
Apr 5, 2010	07:32:22 PM	-7.7	11.7/18.9	38.0589	-81.7616
Apr 5, 2010	07:34:43 PM	-2.2	8.9/14.4	38.0542	-81.6879
Apr 5, 2010	07:46:13 PM	-3.4	11.0/17.8	38.0997	-81.6437
Apr 5, 2010	07:46:13 PM	-4.8	11.3/18.3	38.1031	-81.6511
Apr 5, 2010	07:49:11 PM	-10.3	7.8/12.6	38.0561	-81.6062
Apr 5, 2010	08:08:28 PM	-7.4	10.0/16.1	38.0845	-81.6406
Apr 5, 2010	08:14:12 PM	-2.0	3.1/5.0	37.9878	-81.6125
Apr 5, 2010	08:31:30 PM	15.5	10.2/16.4	37.8947	-81.4271
Apr 5, 2010	08:31:30 PM	-51.1	10.0/16.2	37.8977	-81.4287
Apr 5, 2010	08:33:58 PM	-6.5	9.3/15.0	37.9243	-81.4349
Apr 5, 2010	08:39:19 PM	-3.2	10.2/16.5	37.9506	-81.4163
Apr 5, 2010	08:53:47 PM	-9.5	23.0/37.2	38.1389	-81.2600
Apr 5, 2010	09:05:46 PM	-8.6	13.3/21.5	38.1360	-81.6066
Apr 5, 2010	09:57:07 PM	-8.3	26.4/42.6	38.2417	-81.9087
Apr 5, 2010	10:00:09 PM	-8.1	21.6/34.8	38.2179	-81.7932
Apr 5, 2010	10:07:19 PM	-2.1	16.3/26.4	38.0754	-81.8536
Apr 5, 2010	10:13:19 PM	-2.2	14.1/22.8	38.1356	-81.6939
Apr 5, 2010	10:17:39 PM	-8.1	20.9/33.7	38.2459	-81.5829
Apr 5, 2010	10:23:11 PM	-8.4	16.5/26.6	38.1787	-81.6579
Apr 5, 2010	10:23:41 PM	-7.2	17.4/28.0	38.1938	-81.6337
Apr 5, 2010	10:24:18 PM	-30.1	12.8/20.6	38.1280	-81.6063
Apr 5, 2010	10:24:44 PM	16.0	2.2/3.6	37.9507	-81.6441
Apr 5, 2010	10:25:48 PM	-8.5	14.9/24.0	38.1404	-81.4917
Apr 5, 2010	10:25:57 PM	-2.3	14.5/23.4	38.0553	-81.8297
Apr 5, 2010	10:26:35 PM	32.3	12.9/20.8	38.1197	-81.6838
Apr 5, 2010	10:27:04 PM	-8.9	13.3/21.4	38.0992	-81.7473
Apr 5, 2010	10:27:49 PM	-2.8	13.6/21.9	38.1042	-81.7469
Apr 5, 2010	10:29:49 PM	-12.7	9.8/15.8	38.0108	-81.7624
Apr 5, 2010	10:29:49 PM	-14.0	5.4/8.8	37.9828	-81.6904
Apr 5, 2010	10:31:08 PM	-3.7	6.2/10.1	37.9916	-81.7009
Apr 5, 2010	10:31:20 PM	-2.1	6.9/11.2	38.0027	-81.7070
Apr 5, 2010	10:31:47 PM	-41.1	9.8/15.7	38.0784	-81.6560

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Date	Time	Peak Current (kA)	Distance From Center (mi/km)	Latitude	Longitude
Apr 5, 2010	10:33:28 PM	-4.5	9.7/15.6	38.0744	-81.5411
Apr 5, 2010	10:33:56 PM	-26.2	4.9/7.8	38.0115	-81.5835
Apr 5, 2010	10:33:56 PM	-48.0	4.9/8.0	38.0081	-81.5661
Apr 5, 2010	10:33:56 PM	-7.2	5.6/9.1	38.0195	-81.5667
Apr 5, 2010	10:36:31 PM	-8.6	19.1/30.7	38.2134	-81.5310
Apr 5, 2010	10:37:14 PM	-3.0	12.4/20.0	38.1066	-81.7003
Apr 5, 2010	10:37:14 PM	-16.7	9.3/15.0	38.0778	-81.6157
Apr 5, 2010	10:37:44 PM	-9.0	8.7/14.1	38.0691	-81.6192
Apr 5, 2010	10:38:37 PM	-24.8	5.5/8.8	38.0051	-81.6662
Apr 5, 2010	10:38:38 PM	-7.1	9.0/14.5	38.0728	-81.5918
Apr 5, 2010	10:40:19 PM	-11.1	10.5/17.0	37.9385	-81.7977
Apr 5, 2010	10:41:51 PM	-7.8	10.5/16.9	37.9315	-81.7962
Apr 5, 2010	10:42:39 PM	-28.9	10.3/16.5	38.0891	-81.5689
Apr 5, 2010	10:42:39 PM	-15.1	10.2/16.4	38.0888	-81.5743
Apr 5, 2010	10:43:02 PM	-12.9	9.5/15.3	38.0727	-81.5463
Apr 5, 2010	10:43:14 PM	-30.2	9.6/15.6	37.9606	-81.7799
Apr 5, 2010	10:43:14 PM	-19.4	8.6/13.9	37.9577	-81.7612
Apr 5, 2010	10:43:14 PM	-13.8	8.7/14.0	37.9457	-81.7636
Apr 5, 2010	10:43:14 PM	-8.4	8.2/13.3	37.9621	-81.7534
Apr 5, 2010	10:43:14 PM	-19.4	4.2/6.8	37.9901	-81.6530
Apr 5, 2010	10:43:14 PM	-8.7	4.9/7.9	37.9961	-81.6635
Apr 5, 2010	10:43:29 PM	-11.7	10.7/17.2	38.0908	-81.5468
Apr 5, 2010	10:44:17 PM	-7.7	23.7/38.2	38.2296	-81.3635
Apr 5, 2010	10:44:29 PM	-28.6	9.0/14.5	37.9664	-81.7666
Apr 5, 2010	10:44:29 PM	-16.2	7.5/12.0	37.9513	-81.7409
Apr 5, 2010	10:45:12 PM	-9.0	6.7/10.8	37.9929	-81.7091
Apr 5, 2010	10:45:12 PM	-6.7	7.4/11.9	38.0088	-81.7106
Apr 5, 2010	10:45:12 PM	-4.8	10.9/17.6	38.0421	-81.7603
Apr 5, 2010	10:45:18 PM	17.0	10.3/16.6	38.0759	-81.5163
Apr 5, 2010	10:45:21 PM	-7.9	5.5/8.8	37.9486	-81.5039
Apr 5, 2010	10:47:30 PM	-9.6	2.8/4.5	37.9774	-81.5763
Apr 5, 2010	10:47:41 PM	-6.0	4.3/7.0	37.9372	-81.6835
Apr 5, 2010	10:47:41 PM	-6.1	6.6/10.7	37.9549	-81.7252
Apr 5, 2010	10:48:03 PM	-10.7	6.8/11.0	37.9686	-81.4826
Apr 5, 2010	10:48:03 PM	-8.2	9.0/14.5	37.9408	-81.4389
Apr 5, 2010	10:48:52 PM	-5.6	5.4/8.7	37.9466	-81.7034
Apr 5, 2010	10:49:15 PM	-8.8	9.5/15.3	38.0772	-81.5673
Apr 5, 2010	10:51:39 PM	-16.4	1.7/2.7	37.9610	-81.6244
Apr 5, 2010	10:51:39 PM	-9.5	1.8/2.9	37.9615	-81.6271
Apr 5, 2010	10:52:00 PM	-12.9	3.1/5.0	37.9801	-81.5720
Apr 5, 2010	10:52:46 PM	-8.9	4.4/7.1	38.0046	-81.5839
Apr 5, 2010	10:53:58 PM	-3.3	3.5/5.6	37.9860	-81.5712
Apr 5, 2010	10:54:49 PM	-32.7	8.2/13.2	38.0570	-81.5623
Apr 5, 2010	10:55:01 PM	-12.0	5.9/9.6	37.9936	-81.5154
Apr 5, 2010	10:55:01 PM	-18.4	5.0/8.0	37.9745	-81.5217
Apr 5, 2010	10:55:01 PM	-3.4	5.8/9.4	38.0277	-81.6097
Apr 5, 2010	10:55:38 PM	-10.0	5.2/8.4	37.9857	-81.5251
Apr 5, 2010	10:55:38 PM	-12.3	5.2/8.4	38.0121	-81.5653
Apr 5, 2010	10:55:39 PM	-12.8	5.1/8.2	38.0152	-81.5858
Apr 5, 2010	10:55:39 PM	-6.2	4.4/7.1	37.9960	-81.5580

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Date	Time	Peak Current (kA)	Distance From Center (mi/km)	Latitude	Longitude
Apr 5, 2010	10:55:45 PM	-11.0	20.3/32.7	38.0959	-81.2853
Apr 5, 2010	10:56:21 PM	-14.4	5.8/9.3	37.9927	-81.5181
Apr 5, 2010	10:56:21 PM	-15.4	5.6/9.0	38.0061	-81.5393
Apr 5, 2010	10:56:21 PM	-7.9	5.7/9.3	37.9844	-81.5124
Apr 5, 2010	10:56:21 PM	-17.2	6.0/9.7	37.9888	-81.5096
Apr 5, 2010	10:56:21 PM	-11.8	5.1/8.3	38.0116	-81.5675
Apr 5, 2010	10:56:21 PM	-22.8	5.1/8.2	38.0121	-81.5699
Apr 5, 2010	10:56:21 PM	-8.4	4.9/7.8	38.0073	-81.5677
Apr 5, 2010	10:56:32 PM	-26.7	10.3/16.6	37.8780	-81.7737
Apr 5, 2010	10:56:32 PM	-7.9	10.1/16.4	37.8751	-81.7694
Apr 5, 2010	10:57:16 PM	-7.8	9.5/15.3	37.8799	-81.7588
Apr 5, 2010	10:57:40 PM	-3.0	9.9/16.0	37.8674	-81.7588
Apr 5, 2010	10:57:40 PM	-13.4	10.5/16.9	37.8911	-81.7846
Apr 5, 2010	10:57:56 PM	-12.0	10.3/16.7	37.8884	-81.7808
Apr 5, 2010	10:57:56 PM	-14.5	10.5/16.9	37.8821	-81.7809
Apr 5, 2010	10:57:56 PM	-16.3	10.6/17.0	37.8813	-81.7815
Apr 5, 2010	10:57:56 PM	-14.6	10.5/17.0	37.8819	-81.7814
Apr 5, 2010	10:57:56 PM	-5.5	10.1/16.3	37.8527	-81.7503
Apr 5, 2010	10:57:56 PM	-14.9	10.4/16.8	37.8828	-81.7795
Apr 5, 2010	10:57:57 PM	-9.0	10.5/16.9	37.8844	-81.7819
Apr 5, 2010	10:57:57 PM	-14.7	10.4/16.8	37.8811	-81.7793
Apr 5, 2010	10:57:57 PM	-8.7	10.3/16.6	37.8750	-81.7720
Apr 5, 2010	10:58:35 PM	-11.7	13.4/21.7	38.0604	-81.4065
Apr 5, 2010	10:59:07 PM	-46.9	9.3/15.0	37.8419	-81.7176
Apr 5, 2010	10:59:07 PM	-9.6	4.7/7.6	37.9445	-81.5168
Apr 5, 2010	10:59:07 PM	-16.1	8.9/14.4	37.8465	-81.7137
Apr 5, 2010	10:59:07 PM	-13.4	4.8/7.7	37.9428	-81.5158
Apr 5, 2010	10:59:07 PM	-14.0	10.3/16.7	37.8303	-81.7296
Apr 5, 2010	10:59:07 PM	-38.9	4.6/7.5	37.9425	-81.5189
Apr 5, 2010	10:59:32 PM	-9.7	6.0/9.7	37.9593	-81.4952
Apr 5, 2010	10:59:49 PM	-18.3	4.8/7.8	37.9415	-81.5148
Apr 5, 2010	10:59:49 PM	-12.3	4.6/7.4	37.9380	-81.5194
Apr 5, 2010	10:59:49 PM	-19.3	4.5/7.2	37.9434	-81.5220
Apr 5, 2010	10:59:49 PM	-14.3	4.9/7.9	37.9431	-81.5139
Apr 5, 2010	10:59:49 PM	-9.2	4.8/7.7	37.9443	-81.5159
Apr 5, 2010	10:59:49 PM	-3.3	6.5/10.5	37.9206	-81.4877
Apr 5, 2010	10:59:52 PM	-7.6	8.2/13.2	37.8651	-81.7181
Apr 5, 2010	10:59:52 PM	-6.0	8.1/13.0	37.8565	-81.7037
Apr 5, 2010	10:59:52 PM	-17.1	7.1/11.5	37.8958	-81.7210
Apr 5, 2010	10:59:52 PM	-31.7	6.8/11.0	37.9083	-81.7214
Apr 5, 2010	10:59:52 PM	-8.9	7.5/12.1	37.9006	-81.7311
Apr 5, 2010	10:59:52 PM	-17.2	8.2/13.2	37.8820	-81.7335
Apr 5, 2010	11:01:05 PM	-8.6	6.2/10.1	37.9433	-81.4893
Apr 5, 2010	11:01:41 PM	-23.5	6.4/10.3	37.9374	-81.4867
Apr 5, 2010	11:01:41 PM	-15.4	6.6/10.6	37.9349	-81.4835
Apr 5, 2010	11:01:41 PM	-27.9	6.4/10.4	37.9370	-81.4857
Apr 5, 2010	11:01:41 PM	27.9	3.7/5.9	37.9922	-81.5778
Apr 5, 2010	11:01:41 PM	-11.5	6.6/10.6	37.9373	-81.4831
Apr 5, 2010	11:01:41 PM	-36.4	6.4/10.3	37.9342	-81.4866
Apr 5, 2010	11:01:41 PM	42.4	5.0/8.1	37.9560	-81.5130

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Apr 5, 2010	11:02:01 PM	-13.0	6.8/11.0	37.9411	-81.4786
Apr 5, 2010	11:02:01 PM	-2.8	4.5/7.3	37.9709	-81.5289
Apr 5, 2010	11:02:21 PM	-11.5	5.5/8.9	37.8968	-81.6864
Apr 5, 2010	11:02:47 PM	-8.2	9.2/14.9	37.9828	-81.4416
Apr 5, 2010	11:03:20 PM	-11.3	5.6/9.0	37.8701	-81.6479
Apr 5, 2010	11:03:26 PM	-11.2	9.8/15.9	37.9726	-81.4269
Apr 5, 2010	11:04:44 PM	-17.1	10.2/16.5	37.8050	-81.6727
Apr 5, 2010	11:04:51 PM	-4.6	6.7/10.8	37.9377	-81.4804
Apr 5, 2010	11:05:06 PM	-6.2	8.4/13.5	37.8510	-81.7039
Apr 5, 2010	11:06:51 PM	-7.3	6.4/10.3	37.8647	-81.6674
Apr 5, 2010	11:06:51 PM	-10.0	5.6/9.0	37.8747	-81.6596
Apr 5, 2010	11:06:51 PM	-14.1	5.4/8.6	37.8661	-81.6188
Apr 5, 2010	11:06:51 PM	-13.3	6.3/10.2	37.8527	-81.6218
Apr 5, 2010	11:06:51 PM	-7.9	8.7/14.1	37.8214	-81.6483
Apr 5, 2010	11:07:56 PM	-11.2	3.2/5.2	37.9821	-81.5725
Apr 5, 2010	11:08:38 PM	-20.0	10.0/16.1	37.7983	-81.5979
Apr 5, 2010	11:09:56 PM	-30.7	9.8/15.8	37.8012	-81.5869
Apr 5, 2010	11:09:56 PM	-32.3	9.2/14.9	37.8130	-81.5624
Apr 5, 2010	11:09:56 PM	-26.0	9.9/15.9	37.8004	-81.5847
Apr 5, 2010	11:09:56 PM	-33.8	10.5/17.0	37.7913	-81.5839
Apr 5, 2010	11:09:57 PM	-17.1	10.1/16.3	37.7973	-81.5830
Apr 5, 2010	11:09:57 PM	-37.9	10.2/16.4	37.7963	-81.5846
Apr 5, 2010	11:09:57 PM	-8.7	8.8/14.1	37.8179	-81.6319
Apr 5, 2010	11:10:15 PM	-7.4	17.9/28.9	38.0697	-81.8915
Apr 5, 2010	11:11:38 PM	-12.2	7.5/12.1	37.8350	-81.5920
Apr 5, 2010	11:11:38 PM	-13.1	7.7/12.5	37.8319	-81.5849
Apr 5, 2010	11:11:38 PM	-12.2	7.4/11.9	37.8358	-81.6081
Apr 5, 2010	11:11:38 PM	-2.9	9.6/15.5	37.8208	-81.5201
Apr 5, 2010	11:12:23 PM	-2.2	7.9/12.8	37.8689	-81.7149
Apr 5, 2010	11:15:07 PM	-3.5	12.2/19.7	37.7713	-81.5485
Apr 5, 2010	11:19:36 PM	-15.1	9.1/14.7	38.0209	-81.7390
Apr 5, 2010	11:20:36 PM	-31.9	9.9/16.0	37.7993	-81.6150
Apr 5, 2010	11:23:02 PM	-4.4	12.3/19.9	37.9215	-81.3788
Apr 5, 2010	11:23:23 PM	-5.2	13.2/21.3	37.9143	-81.3638
Apr 5, 2010	11:25:49 PM	-2.8	16.2/26.0	37.7224	-81.5043
Apr 5, 2010	11:26:42 PM	-34.1	6.1/9.9	38.0261	-81.6441
Apr 5, 2010	11:26:42 PM	-18.2	6.1/9.8	38.0290	-81.6286
Apr 5, 2010	11:28:18 PM	-3.3	12.6/20.3	37.7681	-81.5371
Apr 5, 2010	11:28:19 PM	-3.8	14.8/23.9	37.7436	-81.5016
Apr 5, 2010	11:28:21 PM	-8.5	6.3/10.2	38.0331	-81.6236
Apr 5, 2010	11:29:45 PM	-3.4	14.7/23.8	37.7523	-81.4823
Apr 5, 2010	11:29:48 PM	-40.3	5.5/8.9	38.0226	-81.6094
Apr 5, 2010	11:29:48 PM	-19.7	5.4/8.8	38.0216	-81.5969
Apr 5, 2010	11:29:48 PM	-15.7	5.5/8.9	38.0225	-81.5972
Apr 5, 2010	11:30:37 PM	-12.9	5.6/9.0	38.0216	-81.6265
Apr 5, 2010	11:30:37 PM	-20.0	5.7/9.2	38.0214	-81.5693
Apr 5, 2010	11:32:09 PM	-2.3	15.7/25.3	37.7831	-81.3993
Apr 5, 2010	11:32:49 PM	-3.0	15.2/24.5	37.7262	-81.5556
Apr 5, 2010	11:37:27 PM	-18.6	6.8/10.9	37.9716	-81.4852
Apr 5, 2010	11:37:27 PM	28.5	6.7/10.8	37.8536	-81.5566

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Date	Time	Peak Current (kA)	Distance From Center (mi/km)	Latitude	Longitude
Apr 5, 2010	11:38:30 PM	-3.7	16.7/27.0	37.7744	-81.3832
Apr 5, 2010	11:41:31 PM	-3.6	16.2/26.1	37.7757	-81.3962
Apr 5, 2010	11:42:32 PM	-14.1	9.7/15.7	37.9553	-81.4259
Apr 5, 2010	11:43:41 PM	-2.9	19.7/31.7	37.7072	-81.4006
Apr 5, 2010	11:44:35 PM	-2.6	20.8/33.6	37.7614	-81.2982
Apr 5, 2010	11:45:04 PM	-3.1	14.4/23.3	37.8062	-81.4034

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STRIKEnet Report 258028

Report Title: SF Performance Coal Co
Total Lightning Strokes Detected: 293
Lightning Strokes Detected within 10 mi/16 km radius: 195
Lightning Strokes Detected beyond 10 mi/16 km whose confidence ellipse overlaps the radius: 98
Search Radius: 10 mi/16 km
Time Span: Apr 5, 2010 06:00:00 AM US/Eastern to Apr 6, 2010 06:00:00 AM US/Eastern

Lightning Stroke Table (Note: All events shown. Events ordered by distance.)

Date	Time	Peak Current (kA)	Distance From Center (mi/km)	Latitude	Longitude
Apr 5, 2010	09:52:55 AM	-13.2	1.4/2.3	37.9631	-81.6107
Apr 5, 2010	10:51:39 PM	-16.4	1.7/2.7	37.9610	-81.6244
Apr 5, 2010	10:51:39 PM	-9.5	1.8/2.9	37.9615	-81.6271
Apr 5, 2010	10:24:44 PM	16.0	2.2/3.6	37.9507	-81.6441
Apr 5, 2010	10:47:30 PM	-9.6	2.8/4.5	37.9774	-81.5763
Apr 5, 2010	10:52:00 PM	-12.9	3.1/5.0	37.9801	-81.5720
Apr 5, 2010	08:14:12 PM	-2.0	3.1/5.0	37.9878	-81.6125
Apr 5, 2010	11:07:56 PM	-11.2	3.2/5.2	37.9821	-81.5725
Apr 5, 2010	10:53:58 PM	-3.3	3.5/5.6	37.9860	-81.5712
Apr 5, 2010	09:50:13 AM	-16.3	3.5/5.7	37.9933	-81.5926
Apr 5, 2010	11:01:41 PM	27.9	3.7/5.9	37.9922	-81.5778
Apr 5, 2010	09:51:57 AM	-16.9	3.7/6.0	37.9899	-81.5700
Apr 5, 2010	10:43:14 PM	-19.4	4.2/6.8	37.9901	-81.6530
Apr 5, 2010	09:51:57 AM	-9.7	4.3/6.9	37.9977	-81.5670
Apr 5, 2010	10:47:41 PM	-6.0	4.3/7.0	37.9372	-81.6835
Apr 5, 2010	10:52:46 PM	-8.9	4.4/7.1	38.0046	-81.5839
Apr 5, 2010	09:48:36 AM	-25.8	4.4/7.1	38.0010	-81.6376
Apr 5, 2010	10:55:39 PM	-6.2	4.4/7.1	37.9960	-81.5580
Apr 5, 2010	10:59:49 PM	-19.3	4.5/7.2	37.9434	-81.5220
Apr 5, 2010	11:02:01 PM	-2.8	4.5/7.3	37.9709	-81.5289
Apr 5, 2010	10:59:49 PM	-12.3	4.6/7.4	37.9380	-81.5194
Apr 5, 2010	10:59:07 PM	-38.9	4.6/7.5	37.9425	-81.5189
Apr 5, 2010	10:59:07 PM	-9.6	4.7/7.6	37.9445	-81.5168
Apr 5, 2010	10:59:49 PM	-9.2	4.8/7.7	37.9443	-81.5159
Apr 5, 2010	10:59:07 PM	-13.4	4.8/7.7	37.9428	-81.5158
Apr 5, 2010	09:54:34 AM	-14.9	4.8/7.8	37.9966	-81.5469
Apr 5, 2010	10:59:49 PM	-18.3	4.8/7.8	37.9415	-81.5148
Apr 5, 2010	10:56:21 PM	-8.4	4.9/7.8	38.0073	-81.5677
Apr 5, 2010	10:33:56 PM	-26.2	4.9/7.8	38.0115	-81.5835
Apr 5, 2010	10:43:14 PM	-8.7	4.9/7.9	37.9961	-81.6635
Apr 5, 2010	10:59:49 PM	-14.3	4.9/7.9	37.9431	-81.5139
Apr 5, 2010	10:33:56 PM	-48.0	4.9/8.0	38.0081	-81.5661
Apr 5, 2010	10:55:01 PM	-18.4	5.0/8.0	37.9745	-81.5217
Apr 5, 2010	11:01:41 PM	42.4	5.0/8.1	37.9560	-81.5130
Apr 5, 2010	10:55:39 PM	-12.8	5.1/8.2	38.0152	-81.5858
Apr 5, 2010	10:56:21 PM	-22.8	5.1/8.2	38.0121	-81.5699
Apr 5, 2010	10:56:21 PM	-11.8	5.1/8.3	38.0116	-81.5675

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Date	Time	Peak Current (kA)	Distance From Center (mi/km)	Latitude	Longitude
Apr 5, 2010	10:55:38 PM	-10.0	5.2/8.4	37.9857	-81.5251
Apr 5, 2010	10:55:38 PM	-12.3	5.2/8.4	38.0121	-81.5653
Apr 5, 2010	09:54:34 AM	-15.9	5.3/8.5	38.0058	-81.5485
Apr 5, 2010	11:06:51 PM	-14.1	5.4/8.6	37.8661	-81.6188
Apr 5, 2010	10:48:52 PM	-5.6	5.4/8.7	37.9466	-81.7034
Apr 5, 2010	11:29:48 PM	-19.7	5.4/8.8	38.0216	-81.5969
Apr 5, 2010	07:11:24 PM	-4.1	5.4/8.8	37.9171	-81.6984
Apr 5, 2010	10:29:49 PM	-14.0	5.4/8.8	37.9828	-81.6904
Apr 5, 2010	10:38:37 PM	-24.8	5.5/8.8	38.0051	-81.6662
Apr 5, 2010	10:45:21 PM	-7.9	5.5/8.8	37.9486	-81.5039
Apr 5, 2010	11:29:48 PM	-15.7	5.5/8.9	38.0225	-81.5972
Apr 5, 2010	11:29:48 PM	-40.3	5.5/8.9	38.0226	-81.6094
Apr 5, 2010	11:02:21 PM	-11.5	5.5/8.9	37.8968	-81.6864
Apr 5, 2010	11:30:37 PM	-12.9	5.6/9.0	38.0216	-81.6265
Apr 5, 2010	11:03:20 PM	-11.3	5.6/9.0	37.8701	-81.6479
Apr 5, 2010	10:56:21 PM	-15.4	5.6/9.0	38.0061	-81.5393
Apr 5, 2010	11:06:51 PM	-10.0	5.6/9.0	37.8747	-81.6596
Apr 5, 2010	10:33:56 PM	-7.2	5.6/9.1	38.0195	-81.5667
Apr 5, 2010	11:30:37 PM	-20.0	5.7/9.2	38.0214	-81.5693
Apr 5, 2010	09:57:41 AM	-19.3	5.7/9.2	37.9779	-81.5083
Apr 5, 2010	10:56:21 PM	-7.9	5.7/9.3	37.9844	-81.5124
Apr 5, 2010	09:57:41 AM	-75.3	5.8/9.3	37.9747	-81.5057
Apr 5, 2010	10:56:21 PM	-14.4	5.8/9.3	37.9927	-81.5181
Apr 5, 2010	09:50:13 AM	-2.2	5.8/9.4	38.0109	-81.6678
Apr 5, 2010	10:55:01 PM	-3.4	5.8/9.4	38.0277	-81.6097
Apr 5, 2010	10:55:01 PM	-12.0	5.9/9.6	37.9936	-81.5154
Apr 5, 2010	07:11:24 PM	-5.0	6.0/9.7	37.9250	-81.7118
Apr 5, 2010	10:59:32 PM	-9.7	6.0/9.7	37.9593	-81.4952
Apr 5, 2010	10:56:21 PM	-17.2	6.0/9.7	37.9888	-81.5096
Apr 5, 2010	07:11:24 PM	-9.3	6.0/9.7	37.9326	-81.7143
Apr 5, 2010	09:45:11 AM	18.6	6.0/9.8	38.0015	-81.6868
Apr 5, 2010	11:26:42 PM	-18.2	6.1/9.8	38.0290	-81.6286
Apr 5, 2010	07:11:24 PM	-10.6	6.1/9.9	37.9329	-81.7159
Apr 5, 2010	11:26:42 PM	-34.1	6.1/9.9	38.0261	-81.6441
Apr 5, 2010	07:11:24 PM	-7.9	6.2/9.9	37.9322	-81.7165
Apr 5, 2010	07:11:24 PM	-20.6	6.2/10.0	37.9346	-81.7177
Apr 5, 2010	11:01:05 PM	-8.6	6.2/10.1	37.9433	-81.4893
Apr 5, 2010	10:31:08 PM	-3.7	6.2/10.1	37.9916	-81.7009
Apr 5, 2010	07:11:24 PM	-27.0	6.3/10.2	37.9294	-81.7185
Apr 5, 2010	11:06:51 PM	-13.3	6.3/10.2	37.8527	-81.6218
Apr 5, 2010	11:28:21 PM	-8.5	6.3/10.2	38.0331	-81.6236
Apr 5, 2010	09:50:13 AM	-9.2	6.3/10.2	38.0071	-81.6873
Apr 5, 2010	11:01:41 PM	-23.5	6.4/10.3	37.9374	-81.4867
Apr 5, 2010	11:06:51 PM	-7.3	6.4/10.3	37.8647	-81.6674
Apr 5, 2010	11:01:41 PM	-36.4	6.4/10.3	37.9342	-81.4866
Apr 5, 2010	09:43:40 AM	-18.3	6.4/10.3	38.0079	-81.6885
Apr 5, 2010	11:01:41 PM	-27.9	6.4/10.4	37.9370	-81.4857
Apr 5, 2010	10:59:49 PM	-3.3	6.5/10.5	37.9206	-81.4877
Apr 5, 2010	11:01:41 PM	-15.4	6.6/10.6	37.9349	-81.4835
Apr 5, 2010	11:01:41 PM	-11.5	6.6/10.6	37.9373	-81.4831

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Date	Time	Peak Current (kA)	Distance From Center (mi/km)	Latitude	Longitude
Apr 5, 2010	10:47:41 PM	-6.1	6.6/10.7	37.9549	-81.7252
Apr 5, 2010	10:45:12 PM	-9.0	6.7/10.8	37.9929	-81.7091
Apr 5, 2010	11:37:27 PM	28.5	6.7/10.8	37.8536	-81.5566
Apr 5, 2010	11:04:51 PM	-4.6	6.7/10.8	37.9377	-81.4804
Apr 5, 2010	11:37:27 PM	-18.6	6.8/10.9	37.9716	-81.4852
Apr 5, 2010	09:51:57 AM	31.2	6.8/10.9	38.0133	-81.5173
Apr 5, 2010	10:59:52 PM	-31.7	6.8/11.0	37.9083	-81.7214
Apr 5, 2010	11:02:01 PM	-13.0	6.8/11.0	37.9411	-81.4786
Apr 5, 2010	10:48:03 PM	-10.7	6.8/11.0	37.9686	-81.4826
Apr 5, 2010	09:54:35 AM	-25.4	6.8/11.0	38.0420	-81.6145
Apr 5, 2010	10:31:20 PM	-2.1	6.9/11.2	38.0027	-81.7070
Apr 5, 2010	07:14:42 PM	-5.3	7.0/11.4	38.0366	-81.6561
Apr 5, 2010	10:59:52 PM	-17.1	7.1/11.5	37.8958	-81.7210
Apr 5, 2010	10:45:12 PM	-6.7	7.4/11.9	38.0088	-81.7106
Apr 5, 2010	11:11:38 PM	-12.2	7.4/11.9	37.8358	-81.6081
Apr 5, 2010	09:40:34 AM	-32.6	7.4/11.9	37.9933	-81.7243
Apr 5, 2010	10:44:29 PM	-16.2	7.5/12.0	37.9513	-81.7409
Apr 5, 2010	11:11:38 PM	-12.2	7.5/12.1	37.8350	-81.5920
Apr 5, 2010	07:14:09 PM	-14.1	7.5/12.1	38.0465	-81.6466
Apr 5, 2010	10:59:52 PM	-8.9	7.5/12.1	37.9006	-81.7311
Apr 5, 2010	09:45:11 AM	-53.8	7.5/12.1	38.0177	-81.7049
Apr 5, 2010	11:11:38 PM	-13.1	7.7/12.5	37.8319	-81.5849
Apr 5, 2010	07:12:34 PM	-8.8	7.7/12.5	38.0388	-81.6785
Apr 5, 2010	07:12:34 PM	-8.0	7.8/12.5	38.0388	-81.6790
Apr 5, 2010	07:11:07 PM	-5.4	7.8/12.6	38.0460	-81.6626
Apr 5, 2010	07:49:11 PM	-10.3	7.8/12.6	38.0561	-81.6062
Apr 5, 2010	11:12:23 PM	-2.2	7.9/12.8	37.8689	-81.7149
Apr 5, 2010	10:59:52 PM	-6.0	8.1/13.0	37.8565	-81.7037
Apr 5, 2010	07:07:54 PM	-12.6	8.1/13.1	38.0236	-81.7132
Apr 5, 2010	07:14:43 PM	-8.4	8.2/13.2	38.0490	-81.6711
Apr 5, 2010	10:54:49 PM	-32.7	8.2/13.2	38.0570	-81.5623
Apr 5, 2010	10:59:52 PM	-17.2	8.2/13.2	37.8820	-81.7335
Apr 5, 2010	10:59:52 PM	-7.6	8.2/13.2	37.8651	-81.7181
Apr 5, 2010	10:43:14 PM	-8.4	8.2/13.3	37.9621	-81.7534
Apr 5, 2010	07:12:34 PM	-65.1	8.3/13.4	38.0397	-81.6953
Apr 5, 2010	07:07:02 PM	-27.5	8.4/13.5	38.0274	-81.7143
Apr 5, 2010	11:05:06 PM	-6.2	8.4/13.5	37.8510	-81.7039
Apr 5, 2010	07:09:49 PM	-8.5	8.4/13.5	38.0323	-81.7089
Apr 5, 2010	07:12:34 PM	-22.1	8.4/13.6	38.0451	-81.6898
Apr 5, 2010	07:12:34 PM	-42.6	8.5/13.6	38.0454	-81.6899
Apr 5, 2010	07:11:07 PM	-5.6	8.5/13.8	38.0321	-81.7129
Apr 5, 2010	07:30:36 PM	-10.5	8.6/13.8	38.0642	-81.6383
Apr 5, 2010	07:11:07 PM	-9.0	8.6/13.9	38.0462	-81.6928
Apr 5, 2010	10:43:14 PM	-19.4	8.6/13.9	37.9577	-81.7612
Apr 5, 2010	07:12:34 PM	-11.1	8.6/13.9	38.0503	-81.6852
Apr 5, 2010	07:07:50 PM	-5.3	8.6/13.9	38.0198	-81.7293
Apr 5, 2010	07:12:34 PM	-25.6	8.7/14.0	38.0480	-81.6915
Apr 5, 2010	10:43:14 PM	-13.8	8.7/14.0	37.9457	-81.7636
Apr 5, 2010	11:06:51 PM	-7.9	8.7/14.1	37.8214	-81.6483
Apr 5, 2010	10:37:44 PM	-9.0	8.7/14.1	38.0691	-81.6192

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Date	Time	Peak Current (kA)	Distance From Center (mi/km)	Latitude	Longitude
Apr 5, 2010	07:12:34 PM	-2.8	8.7/14.1	38.0445	-81.7005
Apr 5, 2010	07:11:23 PM	-16.0	8.8/14.1	38.0387	-81.7098
Apr 5, 2010	11:09:57 PM	-8.7	8.8/14.1	37.8179	-81.6319
Apr 5, 2010	07:11:54 PM	-50.0	8.8/14.2	38.0477	-81.6961
Apr 5, 2010	09:36:05 AM	-36.9	8.8/14.2	37.9710	-81.7618
Apr 5, 2010	07:10:31 PM	-2.3	8.8/14.2	38.0344	-81.7177
Apr 5, 2010	07:19:06 PM	30.0	8.8/14.3	38.0303	-81.7233
Apr 5, 2010	07:11:07 PM	-16.8	8.9/14.3	38.0492	-81.6960
Apr 5, 2010	07:14:42 PM	-15.5	8.9/14.3	38.0552	-81.6841
Apr 5, 2010	10:02:18 AM	-12.7	8.9/14.4	37.9807	-81.4471
Apr 5, 2010	07:34:43 PM	-2.2	8.9/14.4	38.0542	-81.6879
Apr 5, 2010	10:59:07 PM	-16.1	8.9/14.4	37.8465	-81.7137
Apr 5, 2010	07:14:42 PM	-13.8	9.0/14.4	38.0565	-81.6842
Apr 5, 2010	10:38:38 PM	-7.1	9.0/14.5	38.0728	-81.5918
Apr 5, 2010	10:48:03 PM	-8.2	9.0/14.5	37.9408	-81.4389
Apr 5, 2010	10:44:29 PM	-28.6	9.0/14.5	37.9664	-81.7666
Apr 5, 2010	07:10:11 PM	-7.9	9.0/14.5	37.9995	-81.7533
Apr 5, 2010	07:12:34 PM	-21.6	9.0/14.6	38.0544	-81.6920
Apr 5, 2010	07:09:49 PM	-8.8	9.1/14.6	38.0396	-81.7174
Apr 5, 2010	11:19:36 PM	-15.1	9.1/14.7	38.0209	-81.7390
Apr 5, 2010	07:12:09 PM	-15.7	9.2/14.8	38.0525	-81.7006
Apr 5, 2010	11:02:47 PM	-8.2	9.2/14.9	37.9828	-81.4416
Apr 5, 2010	11:09:56 PM	-32.3	9.2/14.9	37.8130	-81.5624
Apr 5, 2010	07:08:44 PM	-26.4	9.3/14.9	38.0385	-81.7239
Apr 5, 2010	07:08:44 PM	-34.8	9.3/14.9	38.0411	-81.7205
Apr 5, 2010	08:33:58 PM	-6.5	9.3/15.0	37.9243	-81.4349
Apr 5, 2010	10:02:18 AM	-101.8	9.3/15.0	37.9759	-81.4381
Apr 5, 2010	10:37:14 PM	-16.7	9.3/15.0	38.0778	-81.6157
Apr 5, 2010	10:59:07 PM	-46.9	9.3/15.0	37.8419	-81.7176
Apr 5, 2010	07:08:44 PM	-32.4	9.4/15.1	38.0444	-81.7192
Apr 5, 2010	07:11:54 PM	-3.3	9.4/15.2	38.0479	-81.7143
Apr 5, 2010	07:14:42 PM	-84.0	9.4/15.2	38.0597	-81.6936
Apr 5, 2010	07:14:42 PM	-19.0	9.4/15.2	38.0576	-81.6990
Apr 5, 2010	07:08:44 PM	-37.6	9.4/15.2	38.0445	-81.7207
Apr 5, 2010	07:08:44 PM	-8.9	9.5/15.2	38.0425	-81.7237
Apr 5, 2010	07:14:42 PM	-31.4	9.5/15.3	38.0620	-81.6908
Apr 5, 2010	10:49:15 PM	-8.8	9.5/15.3	38.0772	-81.5673
Apr 5, 2010	10:57:16 PM	-7.8	9.5/15.3	37.8799	-81.7588
Apr 5, 2010	10:43:02 PM	-12.9	9.5/15.3	38.0727	-81.5463
Apr 5, 2010	07:14:42 PM	-11.0	9.5/15.3	38.0612	-81.6932
Apr 5, 2010	10:05:34 AM	-2.3	9.5/15.4	37.9954	-81.4419
Apr 5, 2010	11:11:38 PM	-2.9	9.6/15.5	37.8208	-81.5201
Apr 5, 2010	07:14:43 PM	-8.5	9.6/15.5	38.0625	-81.6951
Apr 5, 2010	07:14:42 PM	-19.4	9.6/15.5	38.0620	-81.6964
Apr 5, 2010	10:43:14 PM	-30.2	9.6/15.6	37.9606	-81.7799
Apr 5, 2010	07:14:08 PM	-21.2	9.6/15.6	38.0524	-81.7146
Apr 5, 2010	10:33:28 PM	-4.5	9.7/15.6	38.0744	-81.5411
Apr 5, 2010	07:13:22 PM	-14.7	9.7/15.6	38.0568	-81.7088
Apr 5, 2010	07:13:22 PM	-14.0	9.7/15.6	38.0561	-81.7104
Apr 5, 2010	11:42:32 PM	-14.1	9.7/15.7	37.9553	-81.4259

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Date	Time	Peak Current (kA)	Distance From Center (mi/km)	Latitude	Longitude
Apr 5, 2010	10:31:47 PM	-41.1	9.8/15.7	38.0784	-81.6560
Apr 5, 2010	10:29:49 PM	-12.7	9.8/15.8	38.0108	-81.7624
Apr 5, 2010	10:09:42 AM	-91.0	9.8/15.8	37.9709	-81.4270
Apr 5, 2010	11:09:56 PM	-30.7	9.8/15.8	37.8012	-81.5869
Apr 5, 2010	11:03:26 PM	-11.2	9.8/15.9	37.9726	-81.4269
Apr 5, 2010	11:09:56 PM	-26.0	9.9/15.9	37.8004	-81.5847
Apr 5, 2010	10:57:40 PM	-3.0	9.9/16.0	37.8674	-81.7588
Apr 5, 2010	07:13:22 PM	-20.5	9.9/16.0	38.0543	-81.7192
Apr 5, 2010	11:20:36 PM	-31.9	9.9/16.0	37.7993	-81.6150
Apr 5, 2010	08:08:28 PM	-7.4	10.0/16.1	38.0845	-81.6406
Apr 5, 2010	11:08:38 PM	-20.0	10.0/16.1	37.7983	-81.5979
Apr 5, 2010	08:31:30 PM	-51.1	10.0/16.2	37.8977	-81.4287
Apr 5, 2010	07:07:14 PM	-14.7	10.0/16.2	38.0512	-81.7277
Apr 5, 2010	10:57:56 PM	-5.5	10.1/16.3	37.8527	-81.7503
Apr 5, 2010	11:09:57 PM	-17.1	10.1/16.3	37.7973	-81.5830
Apr 5, 2010	07:17:35 PM	-41.4	10.1/16.3	38.0736	-81.6890
Apr 5, 2010	10:56:32 PM	-7.9	10.1/16.4	37.8751	-81.7694
Apr 5, 2010	07:24:10 PM	-55.9	10.2/16.4	38.0109	-81.7701
Apr 5, 2010	11:09:57 PM	-37.9	10.2/16.4	37.7963	-81.5846
Apr 5, 2010	10:42:39 PM	-15.1	10.2/16.4	38.0888	-81.5743
Apr 5, 2010	08:31:30 PM	15.5	10.2/16.4	37.8947	-81.4271
Apr 5, 2010	08:39:19 PM	-3.2	10.2/16.5	37.9506	-81.4163
Apr 5, 2010	11:04:44 PM	-17.1	10.2/16.5	37.8050	-81.6727
Apr 5, 2010	07:17:35 PM	-33.6	10.2/16.5	38.0854	-81.6578
Apr 5, 2010	10:42:39 PM	-28.9	10.3/16.5	38.0891	-81.5689
Apr 5, 2010	07:24:10 PM	-16.1	10.3/16.6	38.0245	-81.7620
Apr 5, 2010	10:56:32 PM	-26.7	10.3/16.6	37.8780	-81.7737
Apr 5, 2010	10:57:57 PM	-8.7	10.3/16.6	37.8750	-81.7720
Apr 5, 2010	07:10:31 PM	-15.2	10.3/16.6	38.0551	-81.7299
Apr 5, 2010	10:45:18 PM	17.0	10.3/16.6	38.0759	-81.5163
Apr 5, 2010	10:57:56 PM	-12.0	10.3/16.7	37.8884	-81.7808
Apr 5, 2010	10:09:42 AM	-24.2	10.3/16.7	37.9709	-81.4172
Apr 5, 2010	10:59:07 PM	-14.0	10.3/16.7	37.8303	-81.7296
Apr 5, 2010	07:32:21 PM	-5.4	10.4/16.8	38.0614	-81.7225
Apr 5, 2010	10:57:56 PM	-14.9	10.4/16.8	37.8828	-81.7795
Apr 5, 2010	10:09:42 AM	-19.3	10.4/16.8	37.9724	-81.4162
Apr 5, 2010	07:08:16 PM	-11.0	10.4/16.8	38.0504	-81.7389
Apr 5, 2010	07:24:10 PM	-13.2	10.4/16.8	38.0278	-81.7628
Apr 5, 2010	07:10:31 PM	-20.0	10.4/16.8	38.0570	-81.7301
Apr 5, 2010	10:57:57 PM	-14.7	10.4/16.8	37.8811	-81.7793
Apr 5, 2010	10:57:40 PM	-13.4	10.5/16.9	37.8911	-81.7846
Apr 5, 2010	07:24:10 PM	-25.1	10.5/16.9	38.0231	-81.7676
Apr 5, 2010	10:41:51 PM	-7.8	10.5/16.9	37.9315	-81.7962
Apr 5, 2010	10:57:57 PM	-9.0	10.5/16.9	37.8844	-81.7819
Apr 5, 2010	07:24:10 PM	-29.8	10.5/16.9	38.0253	-81.7663
Apr 5, 2010	07:08:16 PM	-16.0	10.5/16.9	38.0526	-81.7379
Apr 5, 2010	10:57:56 PM	-14.5	10.5/16.9	37.8821	-81.7809
Apr 5, 2010	11:09:56 PM	-33.8	10.5/17.0	37.7913	-81.5839
Apr 5, 2010	07:24:10 PM	-23.2	10.5/17.0	38.0269	-81.7656
Apr 5, 2010	10:57:56 PM	-14.6	10.5/17.0	37.8819	-81.7814

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Date	Time	Peak Current (kA)	Distance From Center (mi/km)	Latitude	Longitude
Apr 5, 2010	07:10:32 PM	-11.6	10.5/17.0	38.0580	-81.7318
Apr 5, 2010	10:40:19 PM	-11.1	10.5/17.0	37.9385	-81.7977
Apr 5, 2010	10:57:56 PM	-16.3	10.6/17.0	37.8813	-81.7815
Apr 5, 2010	07:10:31 PM	-3.5	10.6/17.0	38.0562	-81.7348
Apr 5, 2010	07:10:31 PM	-34.3	10.6/17.0	38.0573	-81.7333
Apr 5, 2010	10:43:29 PM	-11.7	10.7/17.2	38.0908	-81.5468
Apr 5, 2010	10:45:12 PM	-4.8	10.9/17.6	38.0421	-81.7603
Apr 5, 2010	07:07:50 PM	-9.5	10.9/17.6	38.0413	-81.7618
Apr 5, 2010	07:46:13 PM	-3.4	11.0/17.8	38.0997	-81.6437
Apr 5, 2010	07:31:23 PM	-2.0	11.0/17.8	38.0595	-81.7432
Apr 5, 2010	09:36:05 AM	-7.4	11.1/17.9	37.9954	-81.7969
Apr 5, 2010	07:46:13 PM	-4.8	11.3/18.3	38.1031	-81.6511
Apr 5, 2010	10:09:42 AM	-5.8	11.4/18.4	37.9582	-81.3949
Apr 5, 2010	10:05:34 AM	-7.7	11.7/18.8	37.9658	-81.3911
Apr 5, 2010	07:32:22 PM	-7.7	11.7/18.9	38.0589	-81.7616
Apr 5, 2010	09:36:04 AM	-5.3	11.9/19.1	38.0000	-81.8098
Apr 5, 2010	11:15:07 PM	-3.5	12.2/19.7	37.7713	-81.5485
Apr 5, 2010	11:23:02 PM	-4.4	12.3/19.9	37.9215	-81.3788
Apr 5, 2010	10:37:14 PM	-3.0	12.4/20.0	38.1066	-81.7003
Apr 5, 2010	11:28:18 PM	-3.3	12.6/20.3	37.7681	-81.5371
Apr 5, 2010	10:24:18 PM	-30.1	12.8/20.6	38.1280	-81.6063
Apr 5, 2010	10:26:35 PM	32.3	12.9/20.8	38.1197	-81.6838
Apr 5, 2010	11:23:23 PM	-5.2	13.2/21.3	37.9143	-81.3638
Apr 5, 2010	10:27:04 PM	-8.9	13.3/21.4	38.0992	-81.7473
Apr 5, 2010	09:05:46 PM	-8.6	13.3/21.5	38.1360	-81.6066
Apr 5, 2010	07:29:48 PM	-2.0	13.4/21.6	37.9503	-81.8497
Apr 5, 2010	10:58:35 PM	-11.7	13.4/21.7	38.0604	-81.4065
Apr 5, 2010	10:27:49 PM	-2.8	13.6/21.9	38.1042	-81.7469
Apr 5, 2010	10:13:19 PM	-2.2	14.1/22.8	38.1356	-81.6939
Apr 5, 2010	11:45:04 PM	-3.1	14.4/23.3	37.8062	-81.4034
Apr 5, 2010	10:25:57 PM	-2.3	14.5/23.4	38.0553	-81.8297
Apr 5, 2010	07:29:47 PM	-3.0	14.7/23.7	38.0753	-81.8157
Apr 5, 2010	11:29:45 PM	-3.4	14.7/23.8	37.7523	-81.4823
Apr 5, 2010	11:28:19 PM	-3.8	14.8/23.9	37.7436	-81.5016
Apr 5, 2010	10:25:48 PM	-8.5	14.9/24.0	38.1404	-81.4917
Apr 5, 2010	11:32:49 PM	-3.0	15.2/24.5	37.7262	-81.5556
Apr 5, 2010	07:31:23 PM	-11.6	15.2/24.6	38.1011	-81.8003
Apr 5, 2010	07:09:07 PM	-2.0	15.5/25.0	38.0994	-81.8094
Apr 5, 2010	11:32:09 PM	-2.3	15.7/25.3	37.7831	-81.3993
Apr 5, 2010	11:25:49 PM	-2.8	16.2/26.0	37.7224	-81.5043
Apr 5, 2010	11:41:31 PM	-3.6	16.2/26.1	37.7757	-81.3962
Apr 5, 2010	10:07:19 PM	-2.1	16.3/26.4	38.0754	-81.8536
Apr 5, 2010	10:23:11 PM	-8.4	16.5/26.6	38.1787	-81.6579
Apr 5, 2010	11:38:30 PM	-3.7	16.7/27.0	37.7744	-81.3832
Apr 5, 2010	10:23:41 PM	-7.2	17.4/28.0	38.1938	-81.6337
Apr 5, 2010	11:10:15 PM	-7.4	17.9/28.9	38.0697	-81.8915
Apr 5, 2010	10:36:31 PM	-8.6	19.1/30.7	38.2134	-81.5310
Apr 5, 2010	11:43:41 PM	-2.9	19.7/31.7	37.7072	-81.4006
Apr 5, 2010	10:55:45 PM	-11.0	20.3/32.7	38.0959	-81.2853
Apr 5, 2010	11:44:35 PM	-2.6	20.8/33.6	37.7614	-81.2982

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Date	Time	Peak Current (kA)	Distance From Center (mi/km)	Latitude	Longitude
Apr 5, 2010	10:17:39 PM	-8.1	20.9/33.7	38.2459	-81.5829
Apr 5, 2010	10:00:09 PM	-8.1	21.6/34.8	38.2179	-81.7932
Apr 5, 2010	08:53:47 PM	-9.5	23.0/37.2	38.1389	-81.2600
Apr 5, 2010	10:44:17 PM	-7.7	23.7/38.2	38.2296	-81.3635
Apr 5, 2010	07:25:15 PM	-7.8	24.6/39.6	38.1531	-81.9692
Apr 5, 2010	09:57:07 PM	-8.3	26.4/42.6	38.2417	-81.9087

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