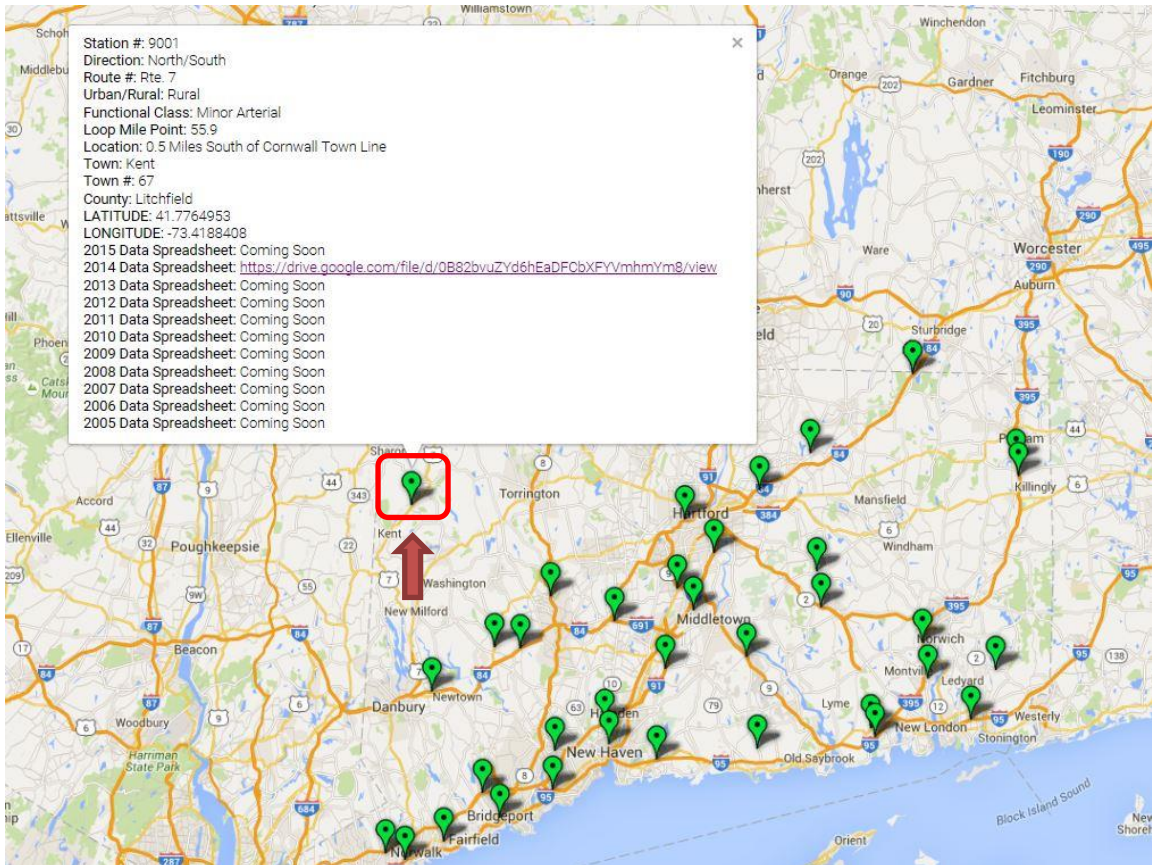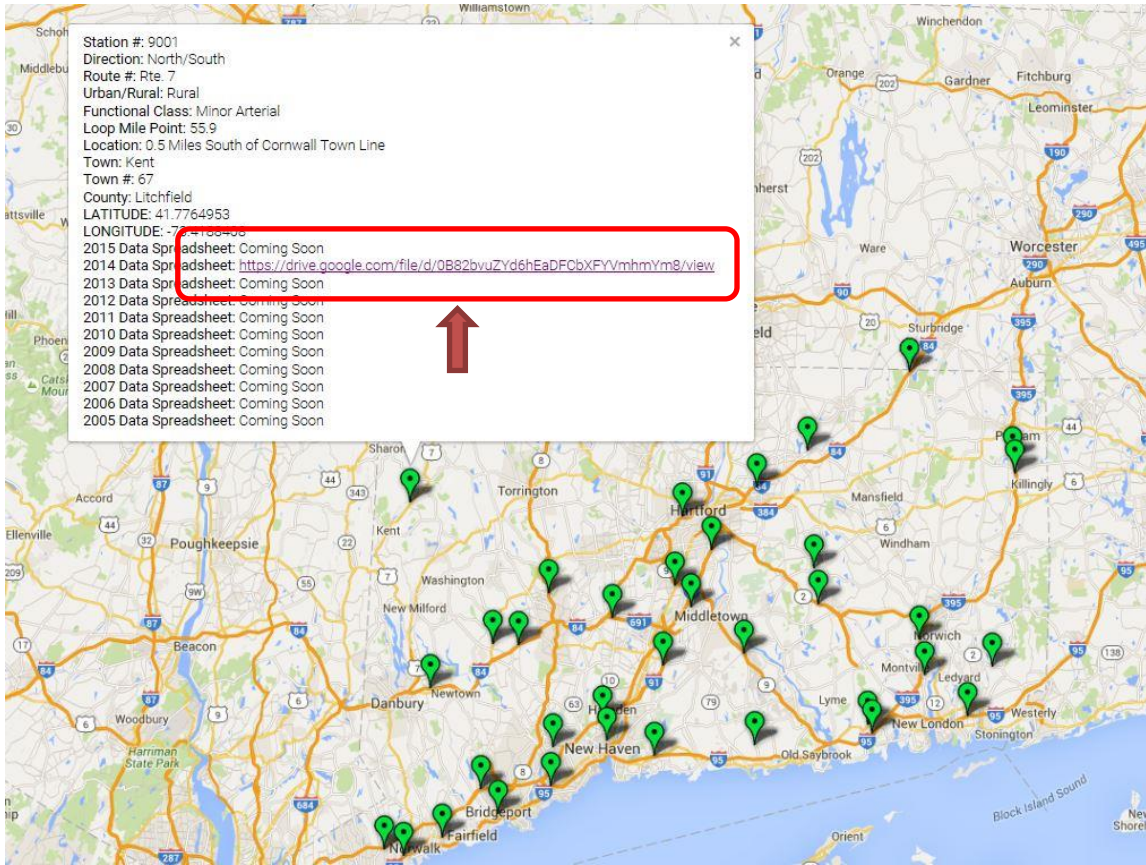# Continuous Count Station Spreadsheet Tutorial

DOWNLOADING SPREADSHEET

1. Select Desired Location:

2. Click the Link to the Spreadsheet You Wish to View

Station #: 9001
Direction: North/South
Route #: Rte. 7
Urban/Rural: Rural
Functional Class: Minor Arterial
Loop Mile Point: 55.9
Location: 0.5 Miles South of Cornwall Town Line
Town: Kent
Town #: 67
County: Litchfield
LATITUDE: 41.7764953
LONGITUDE: -73.4168456
2015 Data Spreadsheet: Coming Soon
2014 Data Spreadsheet: https://drive.google.com/file/d/0B82bvuZYd6hEaDFCbXFYVmhmYm8/view
2013 Data Spreadsheet: Coming Soon
2012 Data Spreadsheet: Coming Soon
2011 Data Spreadsheet: Coming Soon
2010 Data Spreadsheet: Coming Soon
2009 Data Spreadsheet: Coming Soon
2008 Data Spreadsheet: Coming Soon
2007 Data Spreadsheet: Coming Soon
2006 Data Spreadsheet: Coming Soon
2005 Data Spreadsheet: Coming Soon

3. Click the Download Button (Click the Arrow Pointing Down Located Above the Preview Image). **Note:** the preview image page will provide an error message saying "Whoops! There was a problem loading more pages." To obtain full access to the data, the spreadsheet needs to be downloaded.

Please Ignore the Error Message Below and Click the Download Button Above.
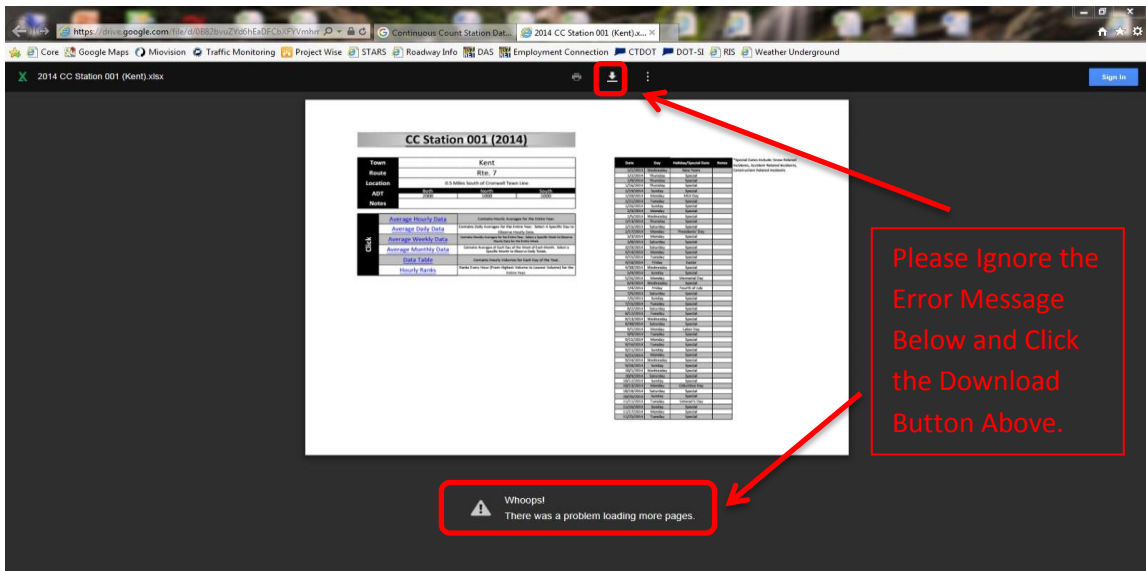
4. Select "Open" or "Save" Towards the Bottom of the Screen
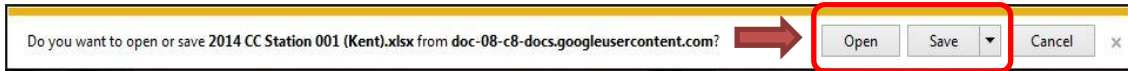
5. Once the Spreadsheet Opens, Click "Enable Editing"

6. Once "Enable Editing" is selected, the user will be permitted to use the drop down features.

NAVIGATING THROUGH THE SPREADSHEET

TITLE PAGE

The "Title" Page is the introductory worksheet in the spreadsheet. This worksheet provides information pertaining to the selected continuous count station, links to other worksheets within the workbook, as well as identifying holidays and "Special Days."

1. To gain access to other worksheets within the workbook, you can either select a link or click a tab on the bottom of the workbook. Each continuous count station spreadsheet contains the following worksheets:
   a. **Average Hourly Data** – This worksheet contains the average traffic count for each hour of the day.
   b. **Average Daily Data** – This worksheet contains the average total traffic for each day of the week, the daily totals for the entire year, and a drop down feature that allows you to view any day's hourly volumes.
   c. **Average Weekly Data** – This worksheet contains the average weekday, weekend, and daily traffic for each week of the year. This worksheet also contains a drop down feature that allows you view the hourly volumes for each day of the selected week.
   d. **Average Monthly Data** – This worksheet contains the average volume for each day of the week, average weekday, average weekend, and average daily volume for each month of the year. This worksheet also contains a drop down feature that allows you to view the daily totals for each month, as well as a monthly report that displays a breakdown for each day of the week for the selected month.

e. **Data Table** – This worksheet contains the data for each hour of each day of the year.
f. **Hourly Ranks** – This worksheet ranks each hour of the year from highest volume to lowest volume.
2. This portion of the title page displays holidays and "Special Days" for the continuous count station throughout the entire year. "Special Days" denotes days where construction, snow storms, accidents, etc. impact traffic. Sometimes, only one direction is impacted by an event, and in that case, that direction will be identified in the notes column.

HOURLY DATA WORKSHEET
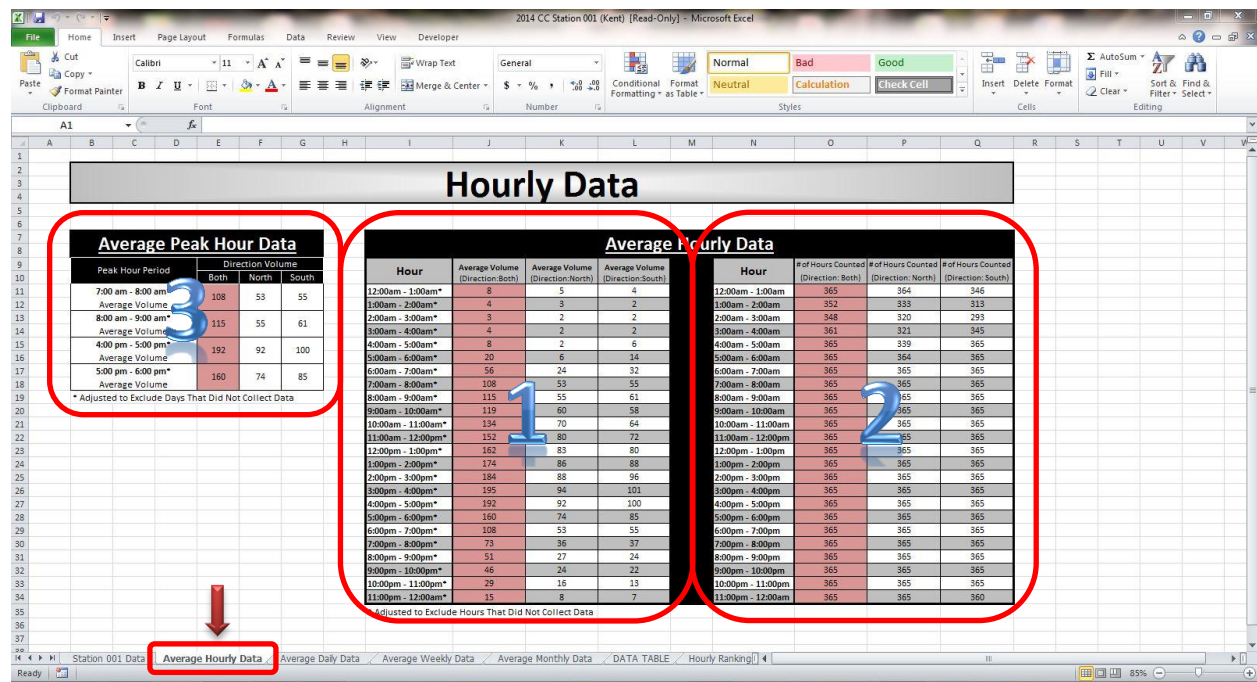
1. This chart shows the average volume for each hour. Each volume for the selected hour of the day for the entire year is averaged. Note that these averages do not contain any volumes that were zero (0).

2. This charts shows how many times that particular hour was counted during the year. In the example above, the 12:00am – 1:00am hour contained volumes for 365 days (the entire year), whereas the 1:00am – 2:00am hour contained volumes for 352 days of the year.

3. This chart shows the average volume for the peak hour. These numbers come directly from Chart 1.

AVERAGE DAILY DATA

1. This feature is a drop down bar that allows you to view any day of the year. Upon selecting the desired day, the corresponding data will be displayed in Chart 2, Chart 3 and Chart 4.
2. Upon selecting a day in the drop down bar under number 1, the data for each hour of the selected day will be displayed in this chart.
3. Upon selecting a day in the drop down bar under number 1, the data in this chart will display the rank of the corresponding hour in Chart 2 among all of the hours in the year.
4. Upon selecting a day in the drop down bar under number 1, the data in this chart displays the following:
   a. The highest volume of the selected day under number 1;
   b. The hourly rank of the highest volume of the selected day among all of the hours of year;
   c. The day of the week the highest volume of the selected day was recorded;
   d. The hour the highest volume of the selected day was recorded.

5. This chart contains the average daily totals for each day of the week. These figures were derived at by averaging the daily total for each day of the week.
6. This contains the daily total for each day of the year sorted by week. The weekly averages and totals are provided on the right side of the chart. The daily averages are provided at the bottom of the chart. The directional data is provided below.

AVERAGE WEEKLY DATA

Screenshot of "2014 CC Station 001 (Kent) [Read-Only] - Microsoft Excel"

Weekly Data

	Start Date	End Date	Weekday Averages			Weekend Averages			Daily Average		
			Both	North	South	Both	North	South	Both	North	South
Week 1	1/1/14	1/4/14	1227	596	631	2139	1050	1089	1455	709	746
Week 2	1/5/14	1/11/14	1680	827	854	1797	896	901	1714	846	867
Week 3	1/12/14	1/18/14	1579	752	827	1967	1048	920	1690	836	854
Week 4	1/19/14	1/25/14	1790	883	906	2011	1056	955	1853	933	920
Week 5	1/26/14	2/1/14	1718	869	850	1977	945	1032	1792	891	902
Week 6	2/2/14	2/8/14	1400	704	696	2080	988	1092	1594	785	809
Week 7	2/9/14	2/15/14	1465	750	715	1876	902	974	1582	793	789
Week 8	2/16/14	2/22/14	1841	896	945	2292	1109	1183	1970	957	1013
Week 9	2/23/14	3/1/14	1680	846	834	2040	970	1071	1783	881	901
Week 10	3/2/14	3/8/14	1630	816	814	2006	941	1065	1738	852	886
Week 11	3/9/14	3/15/14	1652	828	824	1975	937	1038	1744	859	885
Week 12	3/16/14	3/22/14	1702	851	852	1835	875	960	1740	857	883
Week 13	3/23/14	3/29/14	1686	844	841	1655	782	873	1677	827	850
Week 14	3/30/14	4/5/14	1821	905	916	1793	867	926	1813	894	919
Week 15	4/6/14	4/12/14	1864	921	942	2366	1142	1224	2007	984	1023
Week 16	4/13/14	4/19/14	1928	978	950	2391	1151	1240	2060	1027	1033
Week 17	4/20/14	4/26/14	2014	998	1016	2101	1001	1100	2039	999	1040
Week 18	4/27/14	5/3/14	1882	951	932	2477	1178	1299	2052	1016	1036
Week 19	5/4/14	5/10/14	1978	986	992	2247	1073	1174	2055	1011	1044
Week 20	5/11/14	5/17/14	2076	1041	1035	2914	1400	1514	2316	1144	1172
Week 21	5/18/14	5/24/14	2215	1128	1087	3030	1469	1561	2448	1225	1222
Week 22	5/25/14	5/31/14	2509	1199	1310	3108	1498	1610	2680	1284	1396
Week 23	6/1/14	6/7/14	2179	1097	1082	3012	1431	1582	2417	1193	1225
Week 24	6/8/14	6/14/14	2016	1011	1005	3099	1460	1639	2325	1139	1186
Week 25	6/15/14	6/21/14	2261	1136	1125	3035	1434	1601	2482	1221	1261
Week 26	6/22/14	6/28/14	2263	1134	1129	2974	1433	1562	2472	1219	1253
Week 27	6/29/14	7/5/14	2185	1138	1047	3286	1515	1772	2499	1245	1254
Week 28	7/6/14	7/12/14	2288	1141	1147	3266	1481	1785	2567	1268	1329
Week 29	7/13/14	7/19/14	2249	1139	1110	2754	1287	1467	2393	1181	1212
Week 30	7/20/14	7/26/14	2369	1197	1172	3194	1477	1717	2604	1277	1328
Week 31	7/27/14	8/2/14	2259	1134	1126	2486	1160	1326	2324	1141	1183
Week 32	8/3/14	8/9/14	2357	1179	1178	3016	1406	1610	2545	1244	1301
Week 33	8/10/14	8/16/14	2222	1110	1112	3310	1547	1764	2533	1234	1298
Week 34	8/17/14	8/23/14	2245	1120	1125	2825	1287	1538	2411	1168	1243
Week 35	8/24/14	8/30/14	2401	1203	1198	3348	1602	1746	2672	1317	1354
Week 36	8/31/14	9/6/14	2387	1117	1271	2920	1377	1543	2539	1191	1348
Week 37	9/7/14	9/13/14	2072	1036	1036	2463	1177	1287	2183	1076	1107
Week 38	9/14/14	9/20/14	2072	1039	1033	2886	1371	1515	2304	1134	1171
Week 39	9/21/14	9/27/14	2167	1105	1062	3471	1580	1891	2540	1241	1299
Week 40	9/28/14	10/4/14	2163	1088	1075	3091	1464	1627	2428	1195	1232
Week 41	10/5/14	10/11/14	2383	1208	1175	3311	1596	1716	2648	1319	1329
Week 42	10/12/14	10/18/14	2382	1157	1225	4249	1977	2272	2915	1392	1524
Week 43	10/19/14	10/25/14	2043	1021	1022	3352	1594	1758	2417	1185	1232
Week 44	10/26/14	11/1/14	1981	991	990	2285	1087	1199	2068	1019	1049
Week 45	11/2/14	11/8/14	1855	935	920	1996	956	1040	1895	941	954
Week 46	11/9/14	11/15/14	1795	892	903	1950	939	1011	1839	905	934
Week 47	11/16/14	11/22/14	1705	857	848	1669	799	870	1694	840	854
Week 48	11/23/14	11/29/14	1641	848	793	1800	865	935	1686	853	834
Week 49	11/30/14	12/6/14	1722	862	860	1677	784	893	1709	840	869
Week 50	12/7/14	12/13/14	1603	804	799	1737	830	908	1641	811	830
Week 51	12/14/14	12/20/14	1843	918	925	1689	805	884	1799	886	914
Week 52	12/21/14	12/27/14	1754	892	862	1843	899	944	1779	894	885
Week 53	12/28/14	12/31/14	1999	1000	999	1502	704	798	1875	926	949

Weekly Calendar Below:

Weekly Calendar Below:

Select Week: → Week 11

Hour	Sunday 3/9/2014 Volume			Monday 3/10/2014 Volume			Tuesday 3/11/2014 Volume			Wednesday 3/12/2014 Volume			Thursday 3/13/2014 Volume			Friday 3/14/2014 Volume			Saturday 3/15/2014 Volume			Weekly Averages* Volume		
	Both	North	South	Both	North	South	Both	North	South	Both	North	South	Both	North	South	Both	North	South	Both	North	South	Both	North	South
12:00am - 1:00am	7	4	3	8	3	5	4	4	0	9	6	3	1	1	0	6	5	1	14	10	4	7	5	3
1:00am - 2:00am	4	3	1	2	2	0	3	1	2	4	2	2	2	1	1	2	1	1	3	2	1	3	2	1
2:00am - 3:00am	0	0	0	1	1	0	3	3	0	2	2	0	1	1	0	3	1	2	6	4	2	3	2	2
3:00am - 4:00am	1	1	0	2	1	1	3	2	1	1	0	1	2	1	1	3	1	2	4	2	2	2	1	1
4:00am - 5:00am	2	1	1	7	2	5	9	3	6	10	2	8	12	5	7	7	2	5	5	1	4	7	2	5
5:00am - 6:00am	10	4	6	24	5	19	21	3	18	19	7	12	18	4	14	18	7	11	10	4	6	17	5	12
6:00am - 7:00am	11	5	6	64	21	43	61	19	42	65	18	47	47	19	28	53	21	32	19	7	12	46	16	30
7:00am - 8:00am	32	24	8	117	60	57	124	63	61	120	58	62	75	41	34	122	62	60	63	44	19	93	50	43
8:00am - 9:00am	70	53	17	124	58	66	104	50	54	110	49	61	103	50	53	143	73	70	87	49	38	106	55	51
9:00am - 10:00am	93	61	32	88	45	43	91	48	43	90		40	115	44	71	110	64	46	112	66	46	100	54	46
10:00am - 11:00am	116	67	49	90	45	45	111	56	55	107		59	79	44	35	97	54	43	128	82	46	104	57	47
11:00am - 12:00pm	148	86	62	92	46	46	94	51	43	111		64	100	52	48	117	63	54	143	94	49	115	63	52
12:00pm - 1:00pm	162	76	86	105	54	51	109	47	62	101		51	76	40	36	96	53	43	168	97	71	117	60	57
1:00pm - 2:00pm	167	85	82	97	42	55	120	55	65	89		43	94	48	46	132	70	62	186	93	93	126	63	64
2:00pm - 3:00pm	200	78	122	134	61	73	138	59	79	127	65	62	104	49	55	151	73	78	181	100	81	148	69	79
3:00pm - 4:00pm	231	67	164	160	85	75	171	92	79	131	75	56	132	73	59	144	74	70	217	97	120	169	80	89
4:00pm - 5:00pm	228	59	169	149	78	71	171	98	73	125	69	56	123	66	57	193	93	100	220	79	141	173	77	95
5:00pm - 6:00pm	152	44	108	111	58	53	144	77	67	120	59	61	97	52	45	173	90	83	149	60	89	135	63	72
6:00pm - 7:00pm	86	27	59	85	52	33	87	45	42	59	38	21	79	44	35	113	63	50	113	50	63	89	46	43
7:00pm - 8:00pm	56	29	27	39	17	22	66	34	32	49	29	20	42	20	22	56	29	27	72	29	43	54	27	28
8:00pm - 9:00pm	43	20	23	37	15	22	33	13	20	39	16	23	33	17	16	66	40	26	55	26	29	44	21	23
9:00pm - 10:00pm	31	16	15	26	12	14	47	16	31	36	18	18	44	19	25	65	39	26	58	27	31	44	21	23
10:00pm - 11:00pm	12	5	7	33	10	23	24	12	12	16	8	8	27	19	8	55	27	28	40	20	20	30	14	15
11:00pm - 12:00am	7	3	4	9	6	3	7	6	1	7	7	0	11	4	7	22	17	5	28	13	15	13	8	6
Total	1869	818	1051	1604	779	825	1745	857	888	1547	769	778	1417	714	703	1946	1022	924	2080	1055	1025	1744	859	885

*Averages do not include hours containing zeros

Sheet tabs: Station 001 Data | Average Hourly Data | Average Daily Data | **Average Weekly Data** | Average Monthly Data | DATA TABLE | Hourly Ranking

1. This chart displays the weekday averages, weekend averages, and daily averages for each week of the year.
2. This feature is a drop down bar that allows you to select any of week of the year. Once a week is selected, the data for the entire week will be displayed in the chart below (Chart 3). Note, use Chart 1 to determine the dates of each week, and select the desired week.
3. This chart displays the hourly data for each day of the desired week. The weekly averages are displayed in gray on the right. Note: the averages do not include hours containing zeroes when calculating the averages.
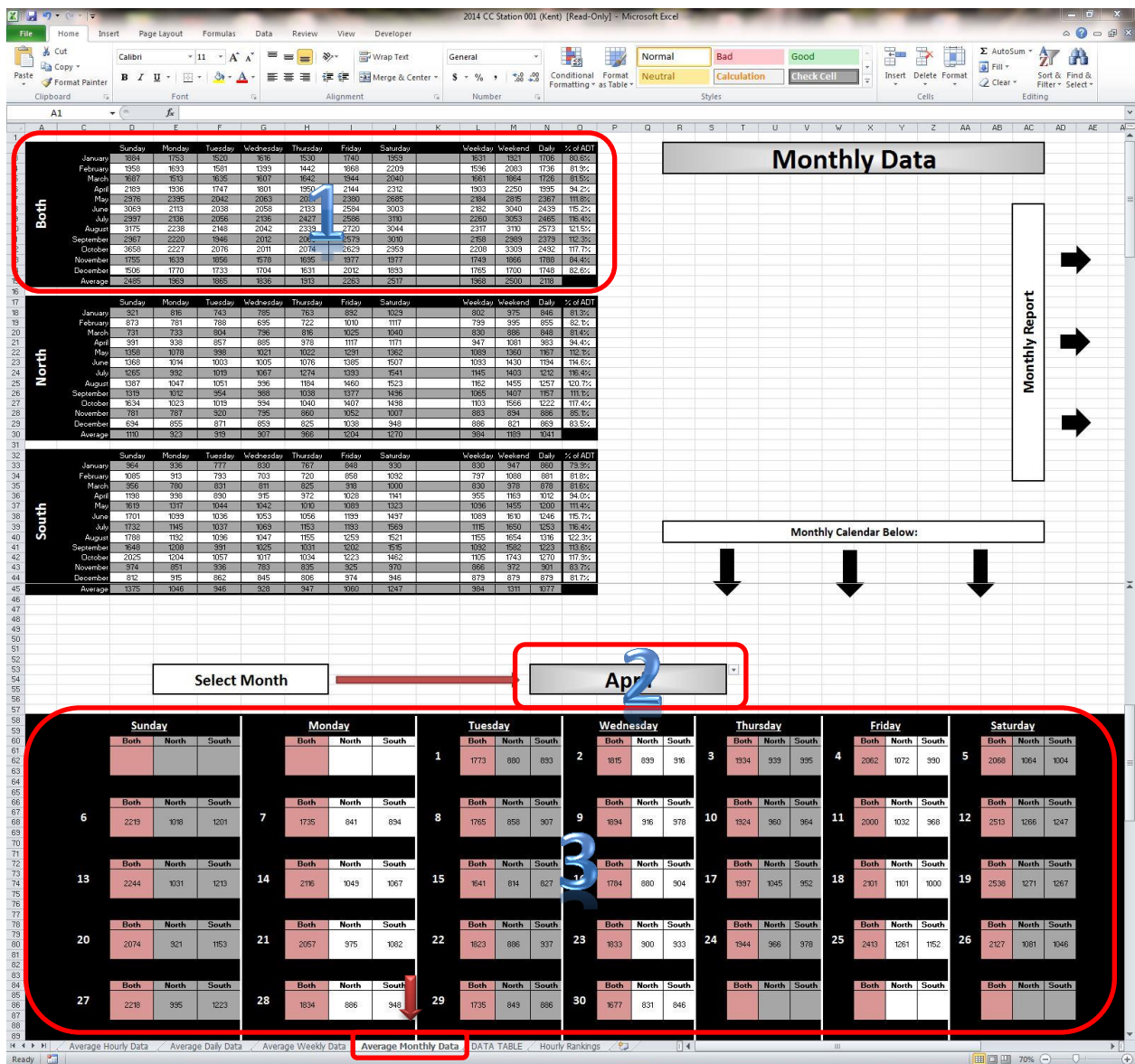
1. This chart displays the average daily total for each day of the week for each month (i.e. every Sunday in January was averaged, every Monday in February was averaged, etc.). Weekday, Weekend, and Daily averages were also provided. The % of ADT provides a comparison of the daily average for the month compared to the daily average of the year. Similar charts are also provided for the directional data directly below Chart 1.
2. This feature is a drop down bar that allows you to select any month of the year. Once a month is selected, the data for the entire month is displayed in Chart 3 and Chart 4 (see below).
3. This chart provides the daily totals for each day of the desired month (selected from the drop down bar in number 2).

N15 =IFERROR(SUM($N$3:$N$14)/COUNTIF($N$3:$N$14,"<>0"),0)

Monthly Data

% of ADT

% of ADT
80.6%
81.9%
81.5%
94.2%
111.8%
115.2%
116.4%
121.5%
112.3%
117.7%
84.4%
82.6%

% of ADT
81.3%
82.1%
81.4%
94.4%
112.3%
114.6%
116.4%
120.7%
111.1%
117.4%
85.1%
83.5%

% of ADT
79.3%
81.8%
81.6%
94.0%
111.4%
115.7%
116.4%
122.3%
113.6%
117.9%
83.7%
81.7%

To Select Month, Choose From Drop Down Bar Below (Cell N53:S55)

Monthly Report

Monthly Calendar Below:

April

Monthly Report

| Day	Date	North		South		Both	
Sunday	N/A	N/A		N/A		N/A	
Sunday	4/6/2014	1018		1201		2219	
Sunday	4/13/2014	1031		1213		2244	
Sunday	4/20/2014	321		1853		2074	
Sunday	4/27/2014	995		1223		2218	
Sunday	N/A	N/A		N/A		N/A	
Total Sun.		3965		4790		8755	
# of Days		4		4		4	
Monday	N/A	N/A		N/A		N/A	
Monday	4/7/2014	841		894		1735	
Monday	4/14/2014	1049	S	1067	S	2116	S
Monday	4/21/2014	375		1082		2057	
Monday	4/28/2014	886		948		1834	
Monday	N/A	N/A		N/A		N/A	
Tuesday	4/1/2014	880		893		1773	
Tuesday	4/8/2014	858		907		1765	
Tuesday	4/15/2014	814	S	827	S	1641	S
Tuesday	4/22/2014	886		937		1823	
Tuesday	4/29/2014	849		886		1735	
Tuesday	N/A	N/A		N/A		N/A	
Wednesday	4/2/2014	899		916		1815	
Wednesday	4/9/2014	916		978		1894	
Wednesday	4/16/2014	880		904		1784	
Wednesday	4/23/2014	900		933		1833	
Wednesday	4/30/2014	831		846	S	1677	S
Wednesday	N/A	N/A		N/A		N/A	
Thursday	4/3/2014	939		995		1934	
Thursday	4/10/2014	960		964		1924	
Thursday	4/17/2014	1045		952		1997	
Thursday	4/24/2014	966		978		1944	
Thursday	N/A	N/A		N/A		N/A	
Thursday	N/A	N/A		N/A		N/A	
Friday	4/4/2014	1072		990		2062	
Friday	4/11/2014	1032		968		2000	
Friday	4/18/2014	1101	H	1000	H	2101	H
Friday	4/25/2014	1261		1152		2413	
Friday	N/A	N/A		N/A		N/A	
Friday	N/A	N/A		N/A		N/A	
Total Weekday		20840		21017		41857	
# of Days		22		22		22	
Saturday	4/5/2014	1064		1004		2068	
Saturday	4/12/2014	1266		1247		2513	
Saturday	4/19/2014	1271		1267		2538	
Saturday	4/26/2014	1081		1046		2127	
Saturday	N/A	N/A		N/A		N/A	
Saturday	N/A	N/A		N/A		N/A	
Total Sat.		4682		4564		9246	
# of Days		4		4		4	
Average Sunday		991		1197.5		2189	
Average Weekday		947		955		1903	
Average Saturday		1171		1141		2312	
Average Daily		963		1012		1995	
# of Days		30		30		30	

April Calendar

	Wednesday				Thursday				Friday				Saturday		
	Both	North	South		Both	North	South		Both	North	South		Both	North	South
2	1815	899	916	3	1934	939	995	4	2062	1072	990	5	2068	1064	1004
	Both	North	South		Both	North	South		Both	North	South		Both	North	South
9	1894	916	978	10	1924	960	964	11	2000	1032	968	12	2513	1266	1247
	Both	North	South		Both	North	South		Both	North	South		Both	North	South
16	1784	880	904	17	1997	1045	952	18	2101	1101	1000	19	2538	1271	1267

4. This chart is the monthly report. It provides a summary of the data selected in the drop down bar explained above. This report breaks down each day in the month and provides the daily totals. Any days that are designated as a Holiday or Special Day are also identified.

DATA TABLE

1. This chart displays the hourly data and daily total for the entire year. Directional data is displayed below.

HOURLY RANKINGS
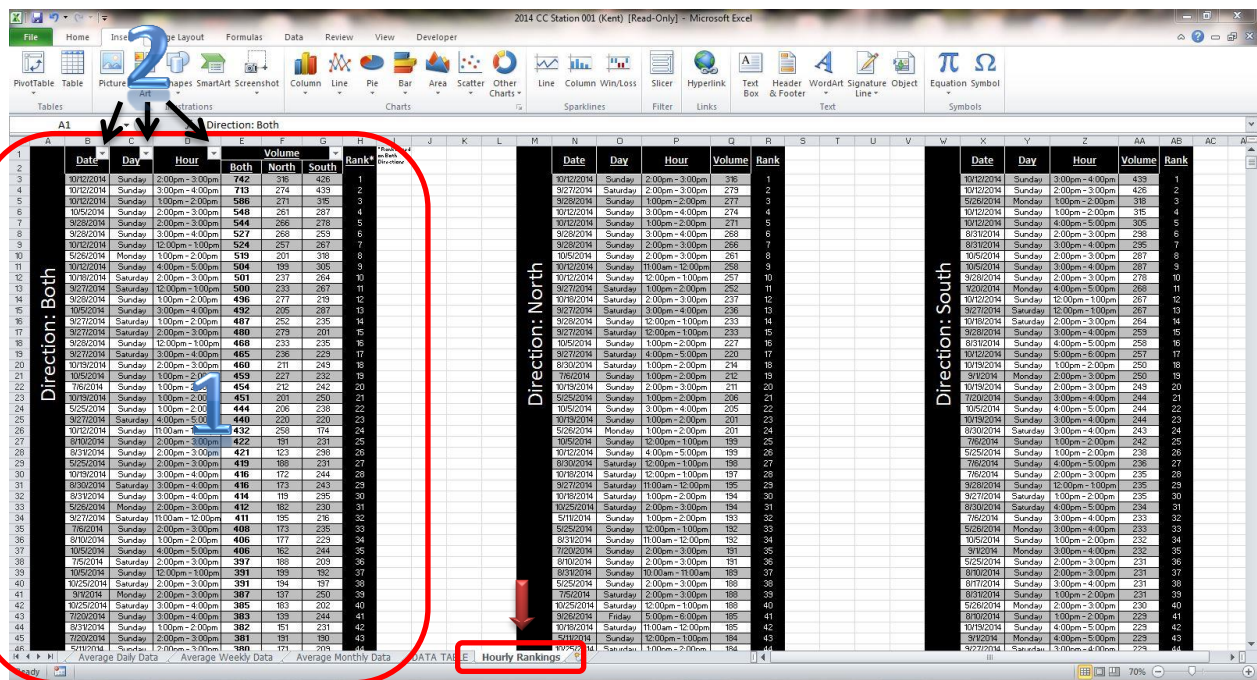
1. This chart shows the ranks of each volume for each hour for the entire year. This particular chart is ranked by the combined directional data. Directional rankings can be found to the right of this chart.

2. The data for the combined directional rankings can be filtered. Use the filter drop down bar to sort by date (month), day of the week, or hour of the day.

CONTACT CTDOT

For additional information about the continuous count spreadsheets, or if you have any questions pertaining to the spreadsheets, please contact:

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