

Radar Recorder vs. TRAX Flex Data Comparison

To compare the accuracy of the Radar Recorder against a road tube recorder, the Radar Recorder was set up to record data at the same location as a TRAX Flex HS recorder - a two-lane, bidirectional road with average daily traffic of approximately 8,000 vehicles. The clocks of both the Radar Recorder and TRAX Flex were synchronized to the same time and date at the start of the study. The resulting data from the TRAX Flex was processed with the TRAXPro software and compared with the data from the Radar Recorder, which was processed using the VDA2 software. Below are some details of this comparison for a 24-hour period, followed by the original, unedited reports from TRAXPro and VDA2.

TOTAL VOLUME

	Eastbound			Westbound			Combined		
10/17/2007	TRAX Flex	Radar	Difference	TRAX Flex	Radar	Difference	TRAX Flex	Radar	Difference
0:00	11	11	0	7	7	0	18	18	0
1:00	1	1	0	4	4	0	5	5	0
2:00	5	5	0	0	0	0	5	5	0
3:00	0	0	0	2	2	0	2	2	0
4:00	6	6	0	14	14	0	20	20	0
5:00	24	24	0	64	64	0	88	88	0
6:00	109	111	+2	269	273	+4	378	384	+6
7:00	145	153	+8	704	705	+1	849	858	+9
8:00	131	131	0	619	617	-2	750	748	-2
9:00	119	117	-2	259	263	+4	378	380	+2
10:00	135	140	+5	147	147	0	282	287	+5
11:00	183	184	+1	173	177	+4	356	361	+5
12:00	267	266	-1	212	219	+7	479	485	+6
13:00	173	173	0	245	248	+3	418	421	+3
14:00	169	172	+3	191	202	+11	360	374	+14
15:00	301	301	0	222	224	+2	523	525	+2
16:00	576	577	+1	234	246	+12	810	823	+13
17:00	800	803	+3	217	233	+16	1017	1036	+19
18:00	413	415	+2	172	178	+6	585	593	+8
19:00	166	167	+1	122	122	0	288	289	+1
20:00	110	110	0	100	100	0	210	210	0
21:00	70	71	+1	76	77	+1	146	148	+2
22:00	35	34	-1	28	26	-2	63	60	-3
23:00	21	21	0	20	20	0	41	41	0
Total	3970	3993	+23 (0.5%)	4101	4168	+67 (1.6%)	8071	8161	+90 (1.1%)

Analysis: Over a 24 hour period, the Radar Recorder data compares extremely well with that of the TRAX Flex, both over individual lanes and as a total. Overall volumes recorded by the Radar Recorder were within 1.1% of those from the TRAX Flex. It should also be noted that typically a road tube recorder will miss a few vehicles during peak times, due to vehicles in opposite lanes hitting the tubes at the same time. In reviewing the above data, one of the main times where the Radar Recorder over counted the TRAX was at peak times (7:00 AM (+9), 5:00 PM (+19)), which may indicate that the Radar Recorder volumes are more accurate than those of the TRAX for these time periods. At times of the lowest volumes (12 AM to 5 AM) the two units were identical in their recordings.

The 85th percentile speed is a standard value used in many speed data reports, and is derived from the speeds of all vehicles that are recorded. Note that in TRAXPro, speeds are reflected in whole numbers while VDA2 uses decimals. Also note that the 85th percentile is not always computed if the volumes are too low. These are shown with an asterisk.

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	Eastbound			Westbound			Combined		
10/17/2007	TRAX Flex	Radar	Difference	TRAX Flex	Radar	Difference	TRAX Flex	Radar	Difference
0:00	50	50.6	0.6	50	*	*	50	50.7	0.7
1:00	46	*	*	46	*	*	47	*	*
2:00	55	*	*	*	*	*	55	*	*
3:00	*	*	*	42	*	*	42	*	*
4:00	42	*	*	51	52	1	49	49.8	0.8
5:00	49	49.9	0.9	49	49.4	0.4	49	49.6	0.6
6:00	48	48.8	0.8	46	45.6	0.4	47	46.7	0.3
7:00	47	47.5	0.5	44	44.8	0.8	45	45.2	0.2
8:00	48	48.7	0.7	47	46.5	0.5	47	47.1	0.1
9:00	48	48.5	0.5	48	48.1	0.1	48	48.3	0.3
10:00	47	47.7	0.7	48	48.9	0.9	48	48.4	0.4
11:00	48	48.8	0.8	49	48.3	0.7	49	48.6	0.4
12:00	48	47.8	0.8	48	48.1	0.1	48	48	0
13:00	49	48.9	0.9	47	47.1	0.1	48	48	0
14:00	48	48.7	0.7	48	47.9	0.1	48	48.3	0.3
15:00	47	47.9	0.9	49	48.6	0.4	48	48.3	0.3
16:00	45	45.9	0.9	48	48.7	0.7	47	47.1	0.1
17:00	44	44.9	0.9	49	48.9	0.1	45	45.5	0.5
18:00	45	45.1	0.1	49	49	0	46	45.8	0.2
19:00	46	46.9	0.9	49	49.6	0.6	48	48.3	0.3
20:00	47	47.7	0.7	47	47.9	0.9	47	47.9	0.9
21:00	49	50.4	1.4	49	49.3	0.3	49	50	1
22:00	49	49.7	0.7	49	48.7	0.3	49	49.6	0.6
23:00	48	48.9	0.9	50	50.2	0.2	49	49.6	0.6
Total	47	46.9	0.1	48	47.6	0.4	47	47.3	0.3

Analysis: Over a 24 hour period, the 85th percentile speeds of the Radar Recorder and the TRAX Flex were virtually identical. The data above shows that inner lane was within 0.1 mph while the outer lane was within 0.4. Combined, after recording more than 8000 vehicles, the TRAX data shows 47 mph while the Radar shows 47.3, which, from a statistical standpoint, is just about a perfect match.

Original, Unedited
TRAXPro Report
of
TRAX Flex HS Data

JAMAR Technologies, Inc.

151 Keith Valley Rd.
Horsham, PA, USA 19044
800-776-0940

Eastbound	1	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total	85th Percent	95th Percent
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total	85th Percent	95th Percent	
10/16/07	0	0	0	0	2	3	2	2	2	0	0	0	0	0	11	50	51	
01:00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	46	46	
02:00	0	0	0	0	0	0	2	1	1	1	0	0	0	0	5	55	56	
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*	
04:00	0	0	0	0	1	2	2	1	0	0	0	0	0	0	6	42	46	
05:00	0	0	0	0	1	8	6	6	3	0	0	0	0	0	24	49	52	
06:00	0	1	1	0	2	36	40	25	4	0	0	0	0	0	109	48	50	
07:00	4	1	3	0	13	40	55	26	3	0	0	0	0	0	145	47	50	
08:00	12	1	2	0	1	33	47	26	7	2	0	0	0	0	131	48	51	
09:00	1	1	4	2	10	34	38	23	6	0	0	0	0	0	119	48	50	
10:00	0	2	3	6	11	44	39	24	6	0	0	0	0	0	135	47	50	
11:00	7	1	0	0	7	43	75	39	11	0	0	0	0	0	183	48	51	
12 PM	4	2	0	2	17	74	107	47	12	2	0	0	0	0	267	48	51	
13:00	6	0	0	1	9	36	65	47	9	0	0	0	0	0	173	49	50	
14:00	6	1	2	1	9	55	55	29	9	1	1	0	0	0	169	48	52	
15:00	4	2	2	0	20	111	100	46	13	2	1	0	0	0	301	47	51	
16:00	11	1	1	10	42	209	219	73	6	4	0	0	0	0	576	45	49	
17:00	16	0	0	6	89	355	277	51	5	1	0	0	0	0	800	44	47	
18:00	8	0	1	7	47	173	140	35	2	0	0	0	0	0	413	45	48	
19:00	2	0	0	0	10	52	71	26	5	0	0	0	0	0	166	46	50	
20:00	1	0	0	0	9	21	51	27	1	0	0	0	0	0	110	47	49	
21:00	2	0	0	1	2	19	24	13	4	3	1	0	1	0	70	49	56	
22:00	0	0	0	0	3	7	15	6	3	0	0	0	1	0	35	49	52	
23:00	0	0	0	0	3	8	4	4	1	1	0	0	0	0	21	48	55	
Total	84	13	19	36	308	1363	1434	578	113	17	3	0	2	0	3970			
Percent	2.1%	0.3%	0.5%	0.9%	7.8%	34.3%	36.1%	14.6%	2.8%	0.4%	0.1%	0.0%	0.1%	0.0%				
AM Peak	08:00	10:00	09:00	10:00	07:00	10:00	11:00	11:00	11:00	08:00						11:00		
Vol.	12	2	4	6	13	44	75	39	11	2						183		
PM Peak	17:00	12:00	14:00	16:00	17:00	17:00	17:00	16:00	15:00	16:00	14:00		21:00			17:00		
Vol.	16	2	2	10	89	355	277	73	13	4	1		1			800		
Total	84	13	19	36	308	1363	1434	578	113	17	3	0	2	0	3970			
Percent	2.1%	0.3%	0.5%	0.9%	7.8%	34.3%	36.1%	14.6%	2.8%	0.4%	0.1%	0.0%	0.1%	0.0%				

15th Percentile : 36 MPH
50th Percentile : 41 MPH
85th Percentile : 47 MPH
95th Percentile : 50 MPH

Stats 10 MPH Pace Speed : 36-45 MPH
Number in Pace : 2797
Percent in Pace : 70.5%
Number of Vehicles > 35 MPH : 3510
Percent of Vehicles > 35 MPH : 88.4%
Mean Speed(Average) : 41 MPH

JAMAR Technologies, Inc.

151 Keith Valley Rd.
Horsham, PA, USA 19044
800-776-0940

Westbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total	85th Percent	95th Percent
10/16/07	0	0	0	0	0	1	4	1	1	0	0	0	0	0	0	7	50	51
01:00	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	4	46	47
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	42	42
04:00	0	0	1	0	1	4	2	3	2	1	0	0	0	0	0	14	51	52
05:00	0	0	0	0	5	12	23	19	5	0	0	0	0	0	0	64	49	52
06:00	2	0	0	0	19	113	92	34	9	0	0	0	0	0	0	269	46	50
07:00	6	0	0	4	82	329	232	41	7	3	0	0	0	0	0	704	44	47
08:00	8	1	1	4	29	223	239	94	18	2	0	0	0	0	0	619	47	50
09:00	1	1	5	0	10	65	113	54	7	2	1	0	0	0	0	259	48	50
10:00	4	1	0	1	5	38	56	33	7	1	1	0	0	0	0	147	48	51
11:00	4	2	0	1	5	37	71	42	9	1	0	1	0	0	0	173	49	51
12 PM	3	0	1	2	6	52	91	46	9	2	0	0	0	0	0	212	48	50
13:00	3	1	0	3	13	67	110	40	7	1	0	0	0	0	0	245	47	50
14:00	3	4	2	1	12	49	66	41	11	1	1	0	0	0	0	191	48	51
15:00	2	0	3	0	5	54	93	48	14	3	0	0	0	0	0	222	49	52
16:00	7	1	2	0	7	65	81	58	11	2	0	0	0	0	0	234	48	51
17:00	18	2	1	3	6	36	85	50	11	5	0	0	0	0	0	217	49	52
18:00	9	1	1	2	9	40	53	42	12	3	0	0	0	0	0	172	49	52
19:00	4	0	0	1	4	31	45	26	7	4	0	0	0	0	0	122	49	53
20:00	1	0	0	0	10	18	47	21	3	0	0	0	0	0	0	100	47	50
21:00	1	0	0	1	3	14	35	15	7	0	0	0	0	0	0	76	49	52
22:00	0	0	0	0	1	6	11	7	2	1	0	0	0	0	0	28	49	52
23:00	0	0	0	0	0	5	11	1	3	0	0	0	0	0	0	20	50	52
Total	76	14	17	23	232	1260	1563	718	162	32	3	1	0	0	0	4101		
Percent	1.9%	0.3%	0.4%	0.6%	5.7%	30.7%	38.1%	17.5%	4.0%	0.8%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	11:00	09:00	07:00	07:00	07:00	08:00	08:00	08:00	07:00	09:00	11:00				07:00		
Vol.	8	2	5	4	82	329	239	94	18	3	1	1				704		
PM Peak	17:00	14:00	15:00	13:00	13:00	13:00	13:00	16:00	15:00	17:00	14:00					13:00		
Vol.	18	4	3	3	13	67	110	58	14	5	1					245		
Total	76	14	17	23	232	1260	1563	718	162	32	3	1	0	0	0	4101		
Percent	1.9%	0.3%	0.4%	0.6%	5.7%	30.7%	38.1%	17.5%	4.0%	0.8%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 37 MPH
 50th Percentile : 42 MPH
 85th Percentile : 48 MPH
 95th Percentile : 50 MPH

Stats 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 2823
 Percent in Pace : 68.8%
 Number of Vehicles > 35 MPH : 3739
 Percent of Vehicles > 35 MPH : 91.2%
 Mean Speed(Average) : 41 MPH

JAMAR Technologies, Inc.

151 Keith Valley Rd.
Horsham, PA, USA 19044
800-776-0940

Eastbound, Westbound

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total	85th Percent	95th Percent
10/16/07	0	0	0	0	2	4	6	3	3	0	0	0	0	0	0	18	50	52
01:00	0	0	0	0	0	1	1	3	0	0	0	0	0	0	0	5	47	48
02:00	0	0	0	0	0	0	2	1	1	1	0	0	0	0	0	5	55	56
03:00	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	42	42
04:00	0	0	1	0	2	6	4	4	2	1	0	0	0	0	0	20	49	52
05:00	0	0	0	0	6	20	29	25	8	0	0	0	0	0	0	88	49	52
06:00	2	1	1	0	21	149	132	59	13	0	0	0	0	0	0	378	47	50
07:00	10	1	3	4	95	369	287	67	10	3	0	0	0	0	0	849	45	48
08:00	20	2	3	4	30	256	286	120	25	4	0	0	0	0	0	750	47	50
09:00	2	2	9	2	20	99	151	77	13	2	1	0	0	0	0	378	48	50
10:00	4	3	3	7	16	82	95	57	13	1	1	0	0	0	0	282	48	51
11:00	11	3	0	1	12	80	146	81	20	1	0	1	0	0	0	356	49	51
12 PM	7	2	1	4	23	126	198	93	21	4	0	0	0	0	0	479	48	51
13:00	9	1	0	4	22	103	175	87	16	1	0	0	0	0	0	418	48	50
14:00	9	5	4	2	21	104	121	70	20	2	2	0	0	0	0	360	48	52
15:00	6	2	5	0	25	165	193	94	27	5	1	0	0	0	0	523	48	52
16:00	18	2	3	10	49	274	300	131	17	6	0	0	0	0	0	810	47	50
17:00	34	2	1	9	95	391	362	101	16	6	0	0	0	0	0	1017	45	49
18:00	17	1	2	9	56	213	193	77	14	3	0	0	0	0	0	585	46	50
19:00	6	0	0	1	14	83	116	52	12	4	0	0	0	0	0	288	48	51
20:00	2	0	0	0	19	39	98	48	4	0	0	0	0	0	0	210	47	50
21:00	3	0	0	2	5	33	59	28	11	3	1	0	1	0	0	146	49	54
22:00	0	0	0	0	4	13	26	13	5	1	0	0	1	0	0	63	49	54
23:00	0	0	0	0	3	13	15	5	4	1	0	0	0	0	0	41	49	53
Total	160	27	36	59	540	2623	2997	1296	275	49	6	1	2	0	0	8071		
Percent	2.0%	0.3%	0.4%	0.7%	6.7%	32.5%	37.1%	16.1%	3.4%	0.6%	0.1%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	10:00	09:00	10:00	07:00	07:00	07:00	08:00	08:00	08:00	09:00	11:00				07:00		
Vol.	20	3	9	7	95	369	287	120	25	4	1	1				849		
PM Peak	17:00	14:00	15:00	16:00	17:00	17:00	17:00	16:00	15:00	16:00	14:00		21:00			17:00		
Vol.	34	5	5	10	95	391	362	131	27	6	2		1			1017		
Total	160	27	36	59	540	2623	2997	1296	275	49	6	1	2	0	0	8071		
Percent	2.0%	0.3%	0.4%	0.7%	6.7%	32.5%	37.1%	16.1%	3.4%	0.6%	0.1%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 36 MPH
 50th Percentile : 41 MPH
 85th Percentile : 47 MPH
 95th Percentile : 50 MPH

Stats 10 MPH Pace Speed : 36-45 MPH
 Number in Pace : 5620
 Percent in Pace : 69.6%
 Number of Vehicles > 35 MPH : 7249
 Percent of Vehicles > 35 MPH : 89.8%
 Mean Speed(Average) : 41 MPH

Original, Unedited
VDA2 Report
of
Radar Recorder Data

**151 Keith Valley Road - Normal Mode
Tue 16 October 2007**

Channel: Eastbound

Time Begin	Total Vol.	85th %ile	Mean Ave.	Std. Dev.	Bin 1 <16	Bin 2 16-<21	Bin 3 21-<26	Bin 4 26-<31	Bin 5 31-<36	Bin 6 36-<41	Bin 7 41-<46	Bin 8 46-<51	Bin 9 51-<56	Bin 10 56-<61	Bin 11 61-<66	Bin 12 66-<71	Bin 13 71-<76	Bin 14 76-<81	Bin 15 =>81
0:00	11	50.6	43.5	7.2	0	0	0	0	2	2	3	2	2	0	0	0	0	0	0
1:00	1	-	48.5	-	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
2:00	5	-	47.5	6.6	0	0	0	0	0	0	3	1	0	1	0	0	0	0	0
3:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00	6	-	41.8	5.3	0	0	0	0	1	1	3	1	0	0	0	0	0	0	0
5:00	24	49.9	44.1	6.1	0	0	0	0	1	7	8	5	2	1	0	0	0	0	0
6:00	111	48.8	43.2	5.0	0	0	0	1	2	37	40	25	6	0	0	0	0	0	0
7:00	153	47.5	42.4	5.3	0	0	0	1	12	45	64	25	5	0	1	0	0	0	0
8:00	131	48.7	43.2	5.3	0	0	0	2	5	35	53	29	6	1	0	0	0	0	0
9:00	117	48.5	42.0	6.1	0	0	1	2	15	32	36	26	5	0	0	0	0	0	0
10:00	140	47.7	41.5	6.0	0	0	1	6	12	46	45	25	5	0	0	0	0	0	0
11:00	184	48.8	43.4	5.3	0	1	0	1	7	83	82	39	11	0	0	0	0	0	0
12:00	266	47.8	42.6	5.0	0	0	0	3	10	46	108	51	6	2	0	0	0	0	0
13:00	173	48.9	43.6	5.0	0	0	0	0	9	39	76	39	9	1	0	0	0	0	0
14:00	172	48.7	42.7	6.2	0	1	0	3	12	48	66	29	10	2	1	0	0	0	0
15:00	301	47.9	42.4	5.4	0	0	0	2	19	106	111	46	13	4	0	0	0	0	0
16:00	577	45.9	41.6	5.0	0	0	0	10	46	200	239	68	12	2	0	0	0	0	0
17:00	803	44.9	40.5	4.5	0	2	0	5	78	363	301	47	6	0	1	0	0	0	0
18:00	415	45.1	40.7	4.9	0	1	0	6	45	168	161	25	7	2	0	0	0	0	0
19:00	167	46.9	42.4	4.7	0	0	0	0	9	54	74	25	4	1	0	0	0	0	0
20:00	110	47.7	43.1	4.5	0	0	0	0	5	25	56	21	3	0	0	0	0	0	0
21:00	71	50.4	44.6	7.5	0	0	0	2	2	18	23	17	6	1	0	1	1	0	0
22:00	34	49.7	44.1	6.9	0	0	0	0	2	9	13	6	3	0	0	1	0	0	0
23:00	21	48.9	42.5	6.8	0	0	0	0	3	7	5	4	1	1	0	0	0	0	0
12H,7-19	3432	46.5	41.7	5.2	0	5	2	41	270	1211	1342	449	95	14	3	0	0	0	0
16H,6-22	3891	46.8	41.9	5.2	0	5	2	44	288	1345	1535	537	114	16	3	1	1	0	0
18H,6-24	3946	46.9	41.9	5.2	0	5	2	44	293	1361	1553	547	118	17	3	2	1	0	0
24H,0-24	3993	46.9	41.9	5.3	0	5	2	44	297	1371	1570	557	122	19	3	2	1	0	0
Am Peak	11:00 184	- -	- -	- -	- -	11:00 1	10:30 1	10:30 6	9:15 18	6:30 52	11:00 82	11:00 39	11:00 11	8:45 1	7:00 1	- -	- -	- -	- -
Pm Peak	17:00 803	22:15 51.3	21:30 44.9	22:30 8.7	- -	17:30 3	- -	16:30 11	17:30 83	16:45 367	17:15 304	16:15 71	15:15 15	15:45 4	17:00 1	22:30 1	21:45 1	- -	- -

**151 Keith Valley Road - Normal Mode
Tue 16 October 2007**

Channel: Westbound

Time Begin	Total Vol.	85th %ile	Mean Ave.	Std. Dev.	Bin 1 <16	Bin 2 16-<21	Bin 3 21-<26	Bin 4 26-<31	Bin 5 31-<36	Bin 6 36-<41	Bin 7 41-<46	Bin 8 46-<51	Bin 9 51-<56	Bin 10 56-<61	Bin 11 61-<66	Bin 12 66-<71	Bin 13 71-<76	Bin 14 76-<81	Bin 15 =>81
0:00	7	-	44.9	4.9	0	0	0	0	0	1	4	1	1	0	0	0	0	0	0
1:00	4	-	46.0	3.2	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0
2:00	0	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00	2	-	43.5	1.8	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
4:00	14	52.0	43.5	10.1	0	1	0	0	1	3	3	3	2	1	0	0	0	0	0
5:00	64	49.4	43.6	5.6	0	0	0	0	6	13	24	16	5	0	0	0	0	0	0
6:00	273	45.6	41.6	4.6	0	0	0	0	15	119	105	24	10	0	0	0	0	0	0
7:00	705	44.8	40.4	4.4	0	0	0	2	77	330	249	38	6	3	0	0	0	0	0
8:00	617	46.5	42.1	4.6	0	0	1	3	26	223	262	88	13	1	0	0	0	0	0
9:00	263	48.1	42.6	5.8	0	1	3	6	11	66	113	54	7	2	0	0	0	0	0
10:00	147	48.9	43.3	5.8	0	0	2	1	3	43	59	28	9	1	1	0	0	0	0
11:00	177	48.3	43.2	5.2	0	0	0	3	4	48	78	37	5	1	1	0	0	0	0
12:00	219	48.1	42.9	4.9	0	0	0	1	10	64	91	46	6	1	0	0	0	0	0
13:00	248	47.1	42.3	4.9	0	0	1	1	15	76	108	41	5	1	0	0	0	0	0
14:00	202	47.9	42.0	6.2	0	1	4	3	17	51	80	39	5	2	0	0	0	0	0
15:00	224	48.6	43.1	5.1	0	0	1	1	7	67	92	42	14	0	0	0	0	0	0
16:00	246	48.7	42.9	5.6	0	1	1	2	10	77	86	58	9	2	0	0	0	0	0
17:00	233	48.9	43.4	5.6	0	0	2	2	15	44	105	51	11	3	0	0	0	0	0
18:00	178	49.0	43.2	5.5	0	0	0	3	8	45	78	28	15	1	0	0	0	0	0
19:00	122	49.6	44.0	5.6	0	0	0	1	2	34	47	27	7	4	0	0	0	0	0
20:00	100	47.9	43.0	4.9	0	0	0	1	8	18	49	22	2	0	0	0	0	0	0
21:00	77	49.3	43.8	5.3	0	0	0	1	3	16	35	15	7	0	0	0	0	0	0
22:00	26	48.7	44.1	5.4	0	0	0	0	0	7	13	3	2	1	0	0	0	0	0
23:00	20	50.2	44.3	5.1	0	0	0	0	0	5	10	2	3	0	0	0	0	0	0
12H,7-19	3459	47.4	42.2	5.2	0	3	15	28	203	1134	1401	550	105	18	2	0	0	0	0
16H,6-22	4031	47.5	42.3	5.2	0	3	15	31	231	1321	1637	638	131	22	2	0	0	0	0
18H,6-24	4077	47.5	42.3	5.2	0	3	15	31	231	1333	1660	643	136	23	2	0	0	0	0
24H,0-24	4168	47.6	42.3	5.2	0	4	15	31	238	1350	1695	665	144	24	2	0	0	0	0
Am Peak	7:15 744	- -	- -	- -	- -	9:30 1	9:45 3	9:00 6	7:00 77	7:15 337	7:45 280	8:00 88	8:30 13	7:30 3	10:45 2	- -	- -	- -	- -
Pm Peak	12:30 259	22:45 50.9	22:45 45.0	14:15 6.3	- -	16:45 1	14:30 5	17:15 4	13:30 20	12:30 85	12:15 110	16:15 60	18:15 15	19:00 4	- -	- -	- -	- -	- -

**151 Keith Valley Road - Normal Mode
Tue 16 October 2007**

All Channels

Time Begin	Total Vol.	85th %ile	Mean Ave.	Std. Dev.	Bin 1 <16	Bin 2 16-<21	Bin 3 21-<26	Bin 4 26-<31	Bin 5 31-<36	Bin 6 36-<41	Bin 7 41-<46	Bin 8 46-<51	Bin 9 51-<56	Bin 10 56-<61	Bin 11 61-<66	Bin 12 66-<71	Bin 13 71-<76	Bin 14 76-<81	Bin 15 =>81
0:00	18	50.7	44.1	6.3	0	0	0	0	2	3	7	3	3	0	0	0	0	0	0
1:00	5	-	46.5	3.1	0	0	0	0	0	0	2	3	0	0	0	0	0	0	0
2:00	5	-	47.5	6.6	0	0	0	0	0	0	3	1	0	1	0	0	0	0	0
3:00	2	-	43.5	1.8	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
4:00	20	49.8	43.0	8.8	0	1	0	0	2	4	6	4	2	1	0	0	0	0	0
5:00	88	49.6	43.7	5.7	0	0	0	0	7	20	32	21	7	1	0	0	0	0	0
6:00	384	46.7	42.0	4.7	0	0	0	1	17	156	145	49	16	0	0	0	0	0	0
7:00	858	45.2	40.8	4.6	0	0	0	3	89	375	313	63	11	3	1	0	0	0	0
8:00	748	47.1	42.3	4.7	0	0	1	5	31	258	315	117	19	2	0	0	0	0	0
9:00	380	48.3	42.4	5.9	0	1	4	8	26	98	149	80	12	2	0	0	0	0	0
10:00	287	48.4	42.4	5.9	0	0	3	7	15	89	104	53	14	1	1	0	0	0	0
11:00	361	48.6	43.3	5.2	0	1	0	4	11	91	160	76	16	1	1	0	0	0	0
12:00	485	48.0	42.8	4.9	0	0	0	4	20	150	199	97	12	3	0	0	0	0	0
13:00	421	48.0	42.8	5.0	0	0	1	1	24	115	184	80	14	2	0	0	0	0	0
14:00	374	48.3	42.3	6.2	0	2	4	6	29	99	146	68	15	4	1	0	0	0	0
15:00	525	48.3	42.7	5.3	0	0	1	3	26	173	203	88	27	4	0	0	0	0	0
16:00	823	47.1	42.0	5.2	0	1	1	12	56	277	325	126	21	4	0	0	0	0	0
17:00	1036	45.5	41.1	4.9	0	2	2	7	93	407	406	98	17	3	1	0	0	0	0
18:00	593	45.8	41.4	5.2	0	1	0	9	53	213	239	53	22	3	0	0	0	0	0
19:00	289	48.3	43.1	5.1	0	0	0	1	11	88	121	52	11	5	0	0	0	0	0
20:00	210	47.9	43.0	4.7	0	0	0	1	13	43	105	43	5	0	0	0	0	0	0
21:00	148	50.0	44.1	6.4	0	0	0	3	5	34	58	32	13	1	0	1	1	0	0
22:00	60	49.6	44.1	6.2	0	0	0	0	2	16	26	9	5	1	0	1	0	0	0
23:00	41	49.6	43.4	6.0	0	0	0	0	3	12	15	6	4	1	0	0	0	0	0
12H,7-19	6891	47.0	42.0	5.2	0	8	17	69	473	2345	2743	999	200	32	5	0	0	0	0
16H,6-22	7922	47.2	42.1	5.2	0	8	17	75	519	2666	3172	1175	245	38	5	1	1	0	0
18H,6-24	8023	47.2	42.1	5.2	0	8	17	75	524	2694	3213	1190	254	40	5	2	1	0	0
24H,0-24	8161	47.3	42.1	5.2	0	9	17	75	535	2721	3265	1222	266	43	5	2	1	0	0
Am Peak	7:15 896	- -	0:45 48.5	- -	- -	11:00 1	9:45 4	10:30 8	7:00 89	7:00 375	7:15 332	8:00 117	8:00 19	8:45 3	10:45 2	- -	- -	- -	- -
Pm Peak	17:00 1036	22:15 51.0	21:45 44.5	22:15 7.1	- -	17:30 3	14:30 5	16:30 13	17:30 94	16:45 411	17:15 408	16:15 131	15:15 28	15:45 6	17:00 1	22:30 1	21:45 1	- -	- -