

The daily ratio of concentrator to legacy reports is shown.

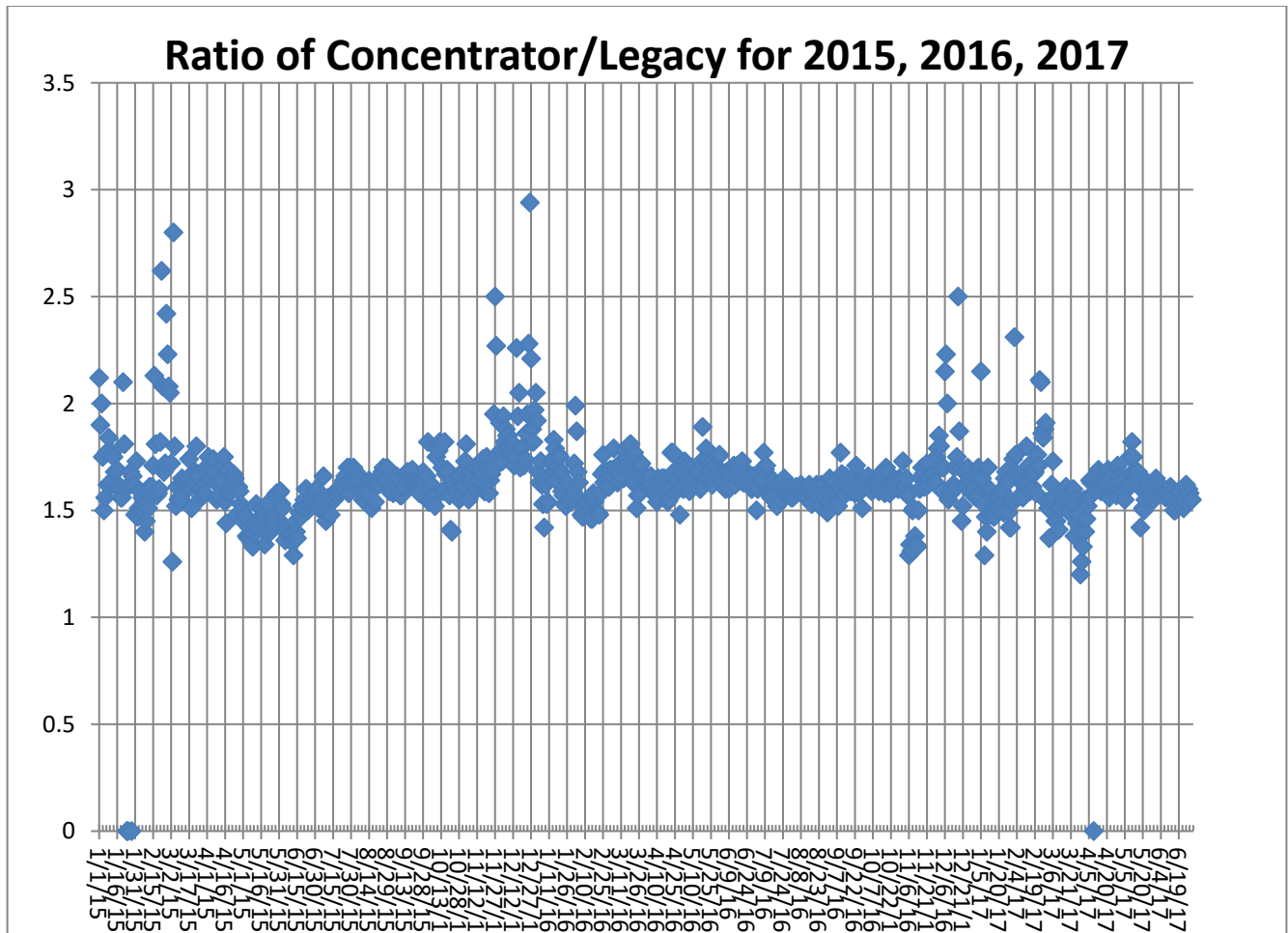


Figure 1. Daily Ratio of Concentrator Reports to Legacy Reports

The ratio becomes more volatile in the cold months as the Blue Mountain repeater has problems with legacy ALERT reporting when the temperature drops below zero. Volatility in the ratio was experienced in March and early April as issues with the radio repeater network and the B2010 decoder are evident.

A. Continuous Operation of Base Receiver/Decoder

The base station was in continuous operation for the entire month. Data was collected on a continuous basis for a total of 720 hours of operation. Outages of less than one hour are not identified.

B. Specific Issues Identified

Performance of the following sensors (Table 3) was questionable this month.

Table 3. Sensors with Poor Performance Characteristics

Sensor ID	Description	Comments
2790	W. Cherry Creek - WX	Poor timer and poor event performance
630	Temple Pond at DTC	Sending false alarms and poor timer and event performance
3020	West Creek WX	ALERT2 station with drifting clock (negative latency)
5810	Stump Bump	Poor timer and event performance
0, 1, 2	Unknown	Unknown IDS transmitted on legacy ALERT

C. ALERT2 Repeater Loading

The District's ALERT2 architecture utilizes 5 repeaters with a single transmit frequency (170.300 MHz) to Diamond Hill. The repeaters utilize a 20 second frame where each repeater is allocated a slot of specific size and an offset within the frame. The slot allocated to each repeater is sized appropriately to accommodate the total number of existing and future remote sites routed through that repeater. Each repeater is shown along with its designated slot (Table 4). Currently there is no pass-listing for the ALERT2 repeaters. Any remote ALERT2 site can be received by all repeaters and re-broadcast to the base except for West Creek which has an input frequency unique to Douglas County.

Table 4. ALERT2 Repeater Architecture

Repeater	Slot Size (sec)	Slot Offset (sec)	Source Address	ALERT2 Input Frequency (MHz)	ALERT2 Output Frequency (MHz) – received at Diamond Hill
West Creek	2	0	6001	169.425	170.300
Smoky	3	2	6502	169.525	170.300
Blue Mt.	4	5	6503	169.525	170.300
Lee Hill	3	9	6505	169.525	170.300
Gold Hill	3	12	6506	169.525	170.300
Magnolia	5	15	6507		170.300
Frame Size	20				

The following tables summarize the total number of reports received through each repeater (Table 5). This helps to quantify repeater loading for the ALERT2 backbone.

Table 5. ALERT2 Reports Received through Each Repeater (Only A2 Self Reports)

Month-Yr	West Creek (6001)	Smoky (6502)	Blue Mt. (6503)	Lee Hill (6505)	Gold Hill (6506)	TOTAL
Jan-15	0	44,501	44,636	44,783	39,007	172,927
Feb-15	0	58,543	56,150	61,160	57,764	233,617
Mar-15	346	73,198	69,604	77,968	65,323	286,439
Apr-15	595	73,711	69,568	79,215	72,310	295,399
May-15	5,259	78,694	72,340	86,297	77,174	319,764
June-15	11,987	72,449	65,742	82,998	69,570	302,746
July-15	28,595	75,379	71,394	79,026	74,041	328,435
Aug-15	28,409	92,299	84,057	84,363	87,211	376,339
Sep-15	26,809	84,143	84,776	84,289	85,123	365,140
Oct-15	19,775	82,683	83,390	63,475**	84,825	334,148
Nov-15	6,438	62,615	61,477	50,888	58,004	239,422
Dec-15	9,835	72,886	72,465	73,431	47,996	276,613
Jan-16	4,034	38,348	36,826	37,168	19,768	138,160
Feb-16	11,732	93,120	99,206	96,284	99,188	399,530
Mar-16	12,533	126,123	134,329	140,226	139,536	552,747
Apr-16	13,262	128,473	130,223	135,499	133,197	540,654
May-16	27,002	125,098	124,280	138,033	130,513	544,926
Jun-16	30,405	117,877	111,309	133,036	122,798	515,425
Jul-16	37,492	108,334	102,335	115,028	110,577	473,766
Aug-16	48,323	130,666	123,827	136,746	131,957	571,519
Sep-16	49,555	122,625	115,898	129,454	127,606	545,138
Oct-16	51,170	111,105	110,038	116,087	116,489	504,889
Nov-2016	47,039	72,761	92,941	100,083	99,508	412,332
Dec-2016	48,946	102,329	97,321	79,274	102,097	429,967
Jan-2017	47,286	50,748**	27,307**	97,947	104,689	327,977
Feb-2017	45,366	96,629	94,065	88,239	98,411	422,710
Mar-2017	53,021	87,160**	33,983**	121,578	126,722	422,464
Apr-2017	49,833	110,418	116,486	122,506	120,727	519,970
May-2017	54,375	128,362	128,310	118,908	134,173	564,128
Jun-2017	60,671	131,745	124,019	146,333	138,056	600,824

** - The number of reports coming through these repeaters declined significantly

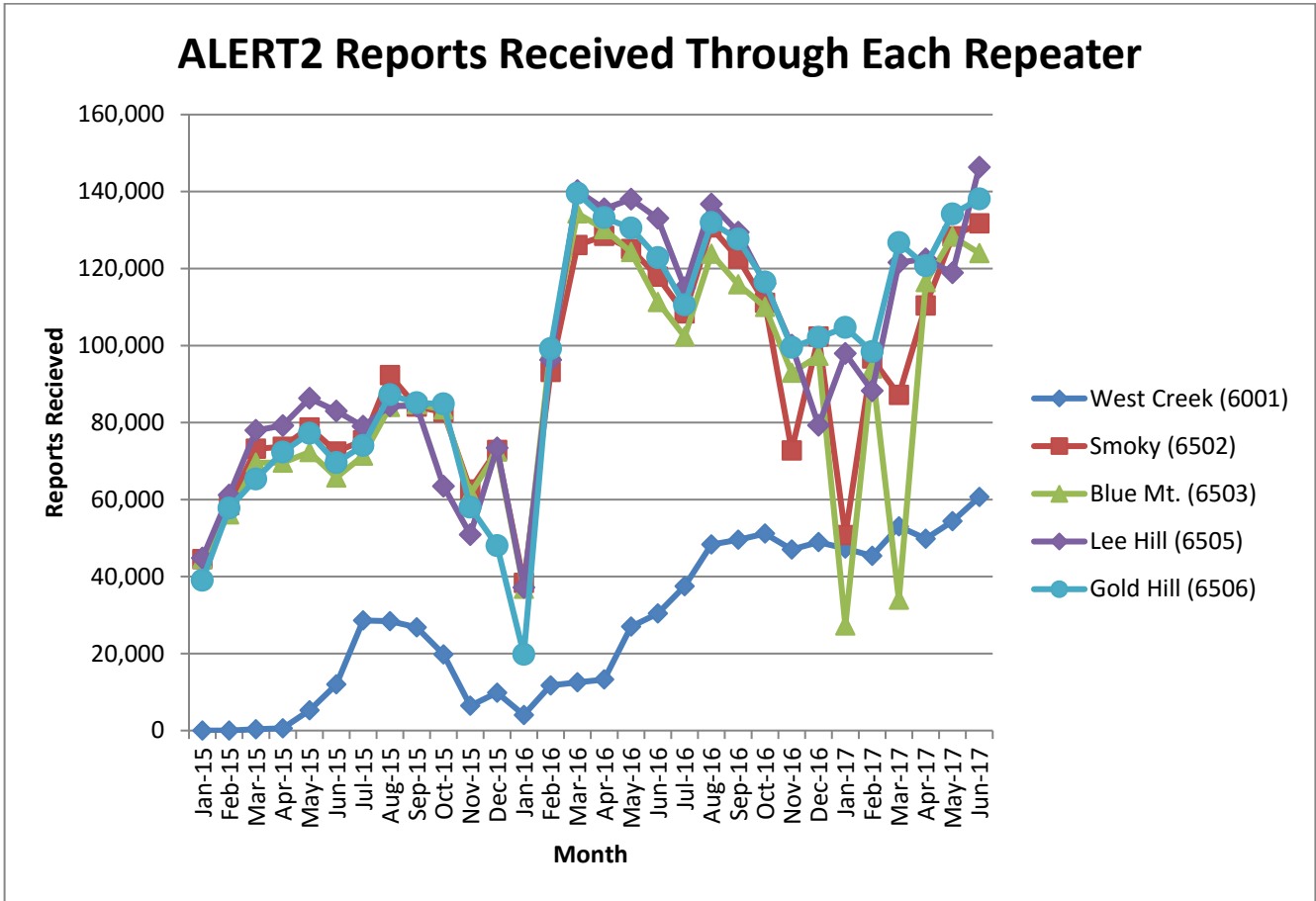


Figure 2. Reports received through each repeater (ALERT2 Only)

A convenient mechanism to track repeater performance throughout the year is to monitor total ALERT2 reports passed by each repeater. In general, each of the primary repeaters in the District process an equivalent number of ALERT2 reports because pass/block filtering is not being used. Several months are evident where the throughput of one repeater is not consistent with the other three.

In January of 2017 the ALERT2 reports received through Blue Mountain and through Smoky Hill showed a significant decrease. There may be a problem at these repeaters or it is possible that pass/block lists have been implemented.

In March of 2017 the ALERT2 reports received through Blue Mountain and through Smoky Hill showed a significant decrease. There may be a problem at these repeaters.

The following tables summarize the system-wide latency of ALERT2 self-reports (Table 6 and Table 7).

Table 6. System-Wide Latency of ALERT2 Self-Reports (seconds)

Statistical Parameter	Value (sec)	Comments
Mean	55.02	The average time it took a report from the field to reach the base
Minimum	-23	The minimum time it took for a report to go from the field to the base
Maximum	43,177	The maximum time it took for a report to go from the field to the base

Table 7. Summary of ALERT2 System-Wide Latency (seconds)

Statistical Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Mean	53.1	51.39	55.86	61.18	56.20	55.02						
Minimum	-29	-23	-23	-4	-23	-23						
Maximum	286	12,946	43,177	43,197	43,177	43,177						
Station with Max Latency		West Creek WX	West Creek WX	West Creek WX	West Creek WX	West Creek WX						

The negative latencies are observed only from the station West Creek WX. This is a HydroLynx transmitter. It is likely that the clock on this transmitter is drifting badly. A new GPS chip and EPROM are soon to be installed to help this station.

The West Creek Repeater (6001) experienced a significant clock drift beginning on March 28, extending through March 29. WET field staff did manage to visit the repeater on March 29 to reset the repeater clock.

D. Rain Sensor Timer Reporting Summary

The following analysis assumes that each legacy rain sensor has a 12-hour timer-reporting interval and each A2 rain sensor has a 1-hour timer-reporting interval. The worst performing rain sensors for the month are summarized (Table 8).

Table 8. Monthly Summary of Sensors with Poor Timer Performance (Sensor ID)

Jan*	Feb*	Mar*	Apr	May	Jun	Jul	Aug	Sep	Oct*	Nov*	Dec*
2790	2790	4470	2790	2790	2790						
5720	4100	100150	2800	3090	630						
4510	4330	2360	4100	5810	3090						
100260	4040	2970	3050	1360	2330						
4870	4270	2270	920	2330	5810						
5940	4510	2350	1710	100270	4270						

*- Only sensors that operate year-round (weather stations and stations in Boulder County) are included for the analysis in these months.

Sensors identified as having poor timer performance in multiple months are shaded with unique colors. A developing trend can thus be identified from the color shading as the year progresses.

III. Rain Sensor Event Reporting Summary

A. District-Wide Total Tip/Count Statistics

The incrementing reports from all 1-mm rain sensors were analyzed to quantify the District-wide statistical total monthly tip summary (Table 9). For the months of January, February, March, October, November and December only the stations that operate year-round are included in the rain event analysis. These stations include all weather stations and the stations in Boulder County.

Table 9. District-Wide Total Tip/Count Statistical Summary

Statistical Parameter	Value	Comments
Mean	15.33	Only the 1-mm rain sensors were included in the analysis
Median	13	Only the 1-mm rain sensors were included in the analysis
Standard deviation	13.17	Only the 1-mm rain sensors were included in the analysis
Mean plus three standard deviations	54.84	Only the 1-mm rain sensors were included in the analysis
Mean minus two standard deviations	-11.00	Only the 1-mm rain sensors were included in the analysis
Minimum total count	1	Eagle Ridge (4520), Horse Creek-Satellite (5900)
Maximum total count	131	Temple Pond at DTC (630)
Sensors showing NO rain for the month		
Sensors greater than 3 SD (over reporting)	2	Utah Park (430), Temple Pond at DTC (630)

B. Monthly Average Tip/Count Summary

A monthly summary of the District-wide mean total tip/count is presented (Table 10).

Table 10. Monthly Summary of District-Wide Mean Total 1-mm Tip/Count

Year	Jan*	Feb*	Mar*	Apr	May	Jun	Jul	Aug	Sep	Oct*	Nov*	Dec*	Ave
2006	4.62	5.92	18.39	20.47	19.44	13.75	74.03	46.89	24.17	41.13	5.04	16.45	24.19
2007	11.56	5.40	29.75	65.03	68.30	15.87	36.20	46.38	22.13	29.50	6.54	11.29	29.00
2008	4.05	7.38	12.26	20.57	54.82	26.06	16.43	90.20	37.54	19.59	2.82	9.24	25.08
2009	6.33	3.11	11.37	59.26	63.45	68.00	65.00	20.00	27.29	30.24	11.00	5.60	30.89
2010	5.97	11.90	32.54	70.57	39.63	56.04	50.23	31.01	4.18	18.31	8.30	3.31	27.67
2011	6.78	7.45	7.54	33.94	92.68	39.42	90.87	18.25	37.67	25.73	10.41	13.59	32.03
2012	4.89	13.57	2.35	30.17	38.97	19.35	73.03	11.31	48.81	22.32	2.98	4.18	22.66
2013	2.96	14.31	21.86	35.96	45.87	16.39	52.33	50.63	229.74	29.64	5.86	4.00	42.46
2014	6.88	11.86	25.91	29.30	77.30	29.16	99.73	43.59	50.96	29.26	13.36	8.11	35.45
2015	9.88	24.42	20.78	69.75	143.07	86.93	54.59	29.95	7.16	53.28	22.08	10.80	44.39
2016	4.68	9.91	32.30	52.10	49.40	40.50	24.20	31.00	8.86	7.51	8.56	8.74	23.23
2017	13.3	5.84	27.70	39.10	99.60	15.33							
Ave	6.83	10.09	20.23	43.85	66.04	35.57	53.05	34.93	41.54	25.54	8.08	7.94	28.09

*- Only sensors that operate year-round (weather stations and stations in Boulder County) are included for the analysis in these months.

C. Sensors with a Jump of Six or More in the Sequential Count

One sensor experienced a large jump in the sequential tip count (Table 11).

Table 11. Sensors with a Jump of 6 or More in Sequential Count

Sensor Description	Sensor ID	Comment
WX-EPC at Hwy 105	3010	All >6 reports were breaks in the data

D. Sensor-by-Sensor Incrementing Count Summary

The system-wide reception rate of incrementing, 1-mm tip reports for the month was approximately 96 percent. A total of 2,845 incrementing reports were received and a total of 2,990 reports were expected. The total loss of incrementing reports for the month was approximately 4 percent. Those sensors with the worst event transmission performance are summarized (Table 12).

Table 12. Monthly Summary of Sensors with the Worst Performance

Jan*	Feb*	Mar*	Apr	May	Jun	Jul	Aug	Sep	Oct*	Nov*	Dec*
2790	4330	2790	2790	2790	5810						
4870	750	1620	4270	4330	2790						
1920	2790	2940	4100	5810	3090						
3010	100260	2750	2330	3090	4270						
4510	4270	2980	920	5900	5720						
4330	4490	5900	1710	1500	630						

*-Only sensors that are operational year-round (weather stations and stations in Boulder County) are included for the analysis in these months.

Sensors identified as having poor event performance in multiple months are shaded with unique colors. A developing trend can thus be identified from the color shading as the year progresses.

IV. Unknown Device Analysis – Received Data Log

The ALERT IDs present in the audio signal received by the decoder are compared against a list of “active” device IDs that are defined within NovaStar. Those IDs received by the decoder that are not defined within NovaStar are considered to be “unknown” and may be the result of radio noise or problems with the telemetry system. The reception of “unknown” device reports for the month is summarized (Table 13).

Table 13. Summary of Unknown IDs

Description	Concentrator	Legacy	A2
Total number of unknown IDs (IDs without a device definition)	210	182	0
Total reports from unknown IDs	642	727	0
Unknown IDs with only a single received report (potential noise)	139	140	0
Total reports from all IDs – RecData Log entire month	398,350	253,292	600,824
Unknown reports as a fraction of total reports	0.16%	0.29%	0.00%

The total number of reports from unknown sensors is very small relative to the total reports received for the month. Shown below (Table 14) are the total reports received from unknown sensor IDs for each month of the year.

Table 14. Monthly Summary of Total Reports from Unknown IDs (Concentrator)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2010	1,220	1,474	1,276	1,174	721	5,707	610	1,738	442	533	2,857	6,396
2011	1,231	2,165	3,065	1,254	2,051	439	489	456	191	683	747	861
2012	692	750	1,575	977	5,469	11,016	453	683	774	2,657	3,854	5,466
2013	4,265	994	1,100	2,589	3,623	6,973	5,230	1,070	4,429	781	13,459	1,213
2014	870	4,284	2,399	2,104	25,746	1,832	3,983	268	369	448	470	1,099
2015	542	9,137	1,524	1,007	946	699	1,179	1,860	1,153	1,063	600	619
2016	323	1,241	3,085	3,586	1,268	945	1,408	2,029	1,413	753	617	879
2017	11,875	844	1,207	3,700	2,693	642						

The fraction of reports from unknown sensors relative to the total number of reports is shown below (Table 15).

Table 15. Monthly Percent of Unknown Sensor Reports (Concentrator)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2010	0.42%	0.56%	0.38%	0.32%	0.20%	1.61%	0.17%	0.49%	0.13%	0.16%	0.93%	1.88%
2011	0.39%	0.73%	0.90%	0.37%	0.58%	0.12%	0.12%	0.05%	0.12%	0.18%	0.22%	0.26%
2012	0.30%	0.25%	0.43%	0.26%	1.37%	2.74%	0.11%	0.18%	0.20%	0.72%	1.15%	1.62%
2013	1.40%	0.31%	0.29%	0.60%	0.37%	0.61%	0.82%	0.21%	0.96%	0.31%	5.37%	0.23%
2014	0.14%	0.94%	0.40%	0.34%	3.95%	0.34%	0.66%	0.03%	0.03%	0.07%	0.11%	0.26%
2015	0.15%	2.25%	0.34%	0.22%	0.19%	0.14%	0.26%	0.42%	0.29%	0.24%	0.15%	0.15%
2016	0.10%	0.30%	0.69%	0.82%	0.28%	0.22%	0.33%	0.50%	0.36%	0.18%	0.17%	0.22%
2017	3.29%	0.23%	0.31%	0.97%	0.58%	0.16%						

Any month shaded in yellow has an excessive number of reports from unknown sensors.

A number of “unknown” sensors had multiple reports, which may indicate the existence of a transmitter that is sending information on an ID that is not currently defined within NovaStar. The unknown IDs with multiple reports including the number of reports received by each are shown (Table 16).

Table 16. Reports Received by Unknown IDs

Concentrator		Legacy ALERT		Comment
Unknown ID	Reports	Unknown ID	Reports	
3071	17	0,1,2	59,59,112	Legacy reports for IDs 0,1,2 only
2271	48	2271	48	Cub Creek Below Blue possibly sending invalid ID
2274	47	2274	47	Cub Creek Below Blue possibly sending invalid ID
2272	46	2272	46	Cub Creek Below Blue possibly sending invalid ID
2239	22	2239	21	Bear Creek @ Cub possibly sending invalid ID
4377	16	4377	15	Gross possibly sending invalid ID

V. Sensors with Invalid Reports

The sensors below (Table 17 and Table 18) have the largest number of invalid decodes as determined by the validation process defined at the District NovaStar5 base station. These invalid reports may indicate poor radio paths (bit flip/contention errors/random decode) or validation criteria that do not match the physical installation at the site.

Table 17. Rain Sensors with the Most Invalid Reports

Sensor ID	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1530-Bear Cr. At Lowell	9	11	8	5	6	--						
2810-Pine Cliff Rd.	41	32	9	9	2	2						
3010-Wx-EPC @ 105	6	7	2	4	--	2						
3050-E/W Trailhead	23	18	7	5	3	5						
4030-Red Garden	--	10	5	--	4	2						
4240-Sunset	--	9	5	2	--	--						
4790-Wx-Button Rock	--	--	5	4	2	5						

Table 18. Level Sensors with the Most Invalid Reports

Sensor ID	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
413-Kelly Dam	--	--	43	3	10	2						
213-Leyden Confluence	--	--	17	--	--	4						
723-WTG above Conf Pond	--	8	0	--	--	--						
1483-Third Creek at DIA	--	8	4	204	2	--						
1523-Marston Lake North	10	8	11	9	5	4						
1649-SPR at 19 th Street	152	--	1	1	2	--						
2813-Pine Cliff Road	16	12	11	7	1	3						
3013-EPC@Hwy 105	3	--	4	9	10	7						
4383-Eldorado Springs	16	2	2	--	1	--						
4593-Green Ditch	--	--	16	1	2	9						

VI. Rainfall Alarms and Intensity Analysis

The following rainfall rate alarms from the Urban Drainage and Flood Control District NovaStar 5.0 Web Server were identified this month.

Point Numid	Point Name	Trigger Name	Alarm Time
630	Temple Pond at DTC Precipitation-DN	Plains 10 minute rainfall	6/2/2017 14:03
630	Temple Pond at DTC Precipitation-DN	Plains 1 hour rainfall	6/2/2017 14:27
630	Temple Pond at DTC Precipitation-DN	Plains 10 minute rainfall	6/2/2017 14:28
630	Temple Pond at DTC Precipitation-DN	Plains 10 minute rainfall	6/2/2017 14:56
630	Temple Pond at DTC Precipitation-DN	Plains 2 hour rainfall	6/2/2017 14:59
630	Temple Pond at DTC Precipitation-DN	Plains 10 minute rainfall	6/2/2017 15:14
630	Temple Pond at DTC Precipitation-DN	Plains 10 minute rainfall	6/2/2017 15:25
630	Temple Pond at DTC Precipitation-DN	Plains 24 hour rainfall	6/2/2017 15:26
630	Temple Pond at DTC Precipitation-DN	Plains 6 hour rainfall	6/2/2017 15:26
870	Murphy Creek Golf Course Precipitation-AR	Plains 10 minute rainfall	6/7/2017 15:45

General System Analysis

Database Name P:\A207-UDFCD-Data-Analysis\2017\06-2017\ALL_DATA.mdb

First Date in Database	5/31/17 11:58 PM	Total Days	30.0
Last Date in Database	6/30/17 11:59 PM	Total Hours	720.0

Summarize

Total Records Analyzed 564,128

	Legacy		Concentrator		ALERT2	
Wind Data	83343	33%	149109	37%	180309	30%
Temperature	37,678	15%	66581	17%	83410	14%
Relative Humidity	36,660	14%	58491	15%	80632	13%
Barometric Pressure	20,695	8%	30330	8%	1,288	0%
Water Level	19,361	8%	21542	5%	79376	13%
Battery Voltage	14,594	6%	27244	7%	77843	13%
Precipitation	10,917	4%	13595	3%	51,085	9%
Solar Radiation	10,643	4%	10759	3%	0	0%
Fuel Temperature	5,761	2%	5799	1%	0	0%
Fuel Moisture	5,744	2%	5846	1%	0	0%
Soil Moisture	2,847	1%	2856	1%	0	0%
Repeater Status Report	2,263	1%	1825	0%	0	0%
Unknown IDs	727	0%	642	0%	0	0%
ET-Hourly	708	0%	714	0%	0	0%
Repeater Pass List	529	0%	60	0%	0	0%
12Hr Status Report	324	0%	332	0%	2,758	0%
Not Used	258	0%	281	0%	589	0%
Water Temp	120	0%	120	0%	0	0%
Handar 585 ALARM Status	62	0%	61	0%	0	0%
ET-Daily	30	0%	30	0%	0	0%
Hayman Battery	24	0%	1984	0%	0	0%
Solar Power	3	0%	1	0%	0	0%
GPS Lock	1	0%	147	0%	29299	5%
ALERT/A2 Testing	0	0%	1	0%	0%	0%
Dew Point Temperature	0	0%	0	0%	8523	1%
Flasher Status	0	0%	0	0%	5,712	1%
Total	253,292	100%	398,350	100%	600,824	100%

Traffic Loading Summary	Legacy		Concentrator		ALERT2	
Alert Reports	253,292		398,350		600,824	
Average Daily Traffic	8,443		12,850		19,381	
Average Hourly Traffic	352		535		808	
Median Hourly Traffic	350	hour beginning	546	hour beginning	830	hour beginning
Peak Hourly Traffic	705	Jun 2, 2:00 PM	1,066	Jun 2, 2:00 PM	1,105	Jun 30, 12:00 AM
2nd Max	641	Jun 2, 3:00 PM	952	Jun 2, 3:00 PM	1,045	Jun 7, 3:00 PM
3rd Max	608	Jun 23, 6:00 AM	870	Jun 23, 6:00 AM	998	Jun 23, 6:00 AM
4th Max	584	Jun 30, 12:00 AM	868	Jun 2, 5:00 PM	975	Jun 30, 1:00 AM
5th Max	553	Jun 30, 1:00 AM	842	Jun 30, 12:00 AM	942	Jun 5, 1:00 PM

Rain Timer Performance

Analyze Rain Sensors

Rain Sensors	Description	Rcv	Timer	Exp	Performance
2790	Wx-W. Cherry Creek	1		60	2%
630	Temple Pond at DTC	3	11:57	60	5%
3090	A2-Highland Heritage Park	216		720	30%
2330	Morrison	39	16:43	60	65%
5810	Stump Bump	39	13:53	60	65%
4270	Cannon Mountain	43	15:37	60	72%
940	Aurora Regional Pond	44	14:10	60	73%
1710	Shop Creek	46	14:42	60	77%
1660	SPR at Henderson	47	14:17	60	78%
2360	Indian Hills	47	14:18	60	78%
4330	Hansen Rain	47	14:03	60	78%
100260	Wx-A2-Trumbull (Hayman) - Precip	573		720	80%
1620	Slaughterhouse Glch	48	14:49	60	80%
4510	Pinewood Springs	48	14:10	60	80%
2270	Cub Cr below Blue	49	13:52	60	82%
4490	Apple Valley	49	14:17	60	82%
4870	SBC @ SB Road	49	13:51	60	82%
1360	Denver Zoo	50	13:08	60	83%
2230	Bear Cr below Cub	50	13:33	60	83%
2280	Kinney Peak	50	13:17	60	83%
3010	WX-EPC at Hwy 105	50	13:49	60	83%
100140	A2-Upper Sellers Gulch Precip	607		720	84%
4040	Martin Gulch	51	13:02	60	85%
5720	Four Mile Creek	51	13:57	60	85%
540	Parker/Mississippi	52	13:15	60	87%
2980	Dakan Rd	52	13:28	60	87%
840	Fire Station 12	53	13:19	60	88%
4360	Justice Center	53	12:59	60	88%
100150	A2-Sellers Gulch at Haystack Precip	639		720	89%
2350	Idledale	54	13:14	60	90%
2710	Wx-Highlands Ranch WTP	54	12:00	60	90%
4180	Gold Lake	54	12:28	60	90%
2890	Spruce Mt - Douglas	55	12:28	60	92%
2900	Russelville Gulch-Douglas	55	12:42	60	92%
3030	WX-Bingham Lake Park	55	12:42	60	92%
4220	Fling's	55	12:27	60	92%
4290	Red Hill	55	12:51	60	92%
4470	Little Narrows	55	12:57	60	92%
4770	Wx-Cal-Wood Ranch	55	12:45	60	92%
310	Guy Hill Ranch	56	12:27	60	93%
430	Utah Park	56	11:57	60	93%
500	Havana Park	56	12:40	60	93%
650	Iliff Pond	56	11:59	60	93%
810	Granby Ditch @ 6th	56	12:38	60	93%
1400	Upper Sloan Det.	56	12:38	60	93%
1500	Powers Park	56	12:37	60	93%
2320	Choke Cherry Resvr	56	12:29	60	93%
2370	Red Rocks Park	56	12:27	60	93%
2750	Wx-Castle Rock	56	12:42	60	93%
2860	CC at Stroh Rd	56	12:26	60	93%
2990	Wx-Tomah Rd-DougCnty	56	12:40	60	93%
4020	Rio Grande	56	12:27	60	93%
4190	Slaughterhouse	56	12:39	60	93%
4310	Johnny Park	56	12:26	60	93%

4790	Wx-Button Rock	56	12:42	60	93%
110	Ralston Reservoir	57	12:12	60	95%
410	Kelly Dam	57	11:58	60	95%
520	Jewell Detention	57	12:26	60	95%
620	Quincy/Highline	57	12:25	60	95%
730	No Name @ Quincy	57	12:12	60	95%
800	Sable Ditch @ 18th	57	12:24	60	95%
830	Side Creek Park	57	12:00	60	95%
1040	Lena @ U.S. Hwy 6	57	12:12	60	95%
1100	Louisville Rec Ctr	57	12:13	60	95%
1200	Broomfield 3207	57	12:25	60	95%
1520	Wx-Marston Lake North	57	12:14	60	95%
1700	Cherry Cr @ Champa	57	12:12	60	95%
2260	Brook Forest	57	12:12	60	95%
2820	Haskins Gulch Conf	57	12:27	60	95%
2850	Cherry Cr bl Bayou Glch	57	12:27	60	95%
2940	Willow Creek - DougCnty	57	12:26	60	95%
4030	Red Garden	57	12:26	60	95%
4070	Bear Peak	57	12:25	60	95%
4260	Taylor Mountain	57	12:11	60	95%
4300	Big Elk Park	57	12:25	60	95%
4340	Riverside	57	12:11	60	95%
4810	Shanahan Ridge	57	12:25	60	95%
4820	Doudy Draw	57	11:57	60	95%
5880	Hackett Mountain	57	12:27	60	95%
100110	A2-ETG @ Hampden Precip	57	11:59	60	95%
120	West Woods	58	12:11	60	97%
140	Wx-Blue Mountain	58	12:13	60	97%
150	Nott Creek	58	12:12	60	97%
200	Leyden Reservoir	58	12:11	60	97%
220	Upper Leyden	58	12:00	60	97%
420	Expo Park	58	11:58	60	97%
440	Fire Station #7	58	11:57	60	97%
530	Fire Station #19	58	12:12	60	97%
600	Harvard Gulch Park	58	11:58	60	97%
610	Harvard @ Jackson	58	12:10	60	97%
640	Goldsmith @ Eastman	58	12:11	60	97%
700	Toll Gate @ 6th	58	12:13	60	97%
850	Flying J	58	12:00	60	97%
900	Wx-Aurora Reservoir	58	11:51	60	97%
1010	Denver West	58	12:11	60	97%
1060	Heritage Square	58	12:12	60	97%
1350	Chatfield COE	58	12:13	60	97%
1440	Wx-Elbert	58	12:13	60	97%
1480	Third Creek at DIA	58	12:13	60	97%
1530	Bear Creek @ Lowell	58	12:10	60	97%
1550	Lakewood CC	58	12:11	60	97%
1570	Wx-Brighton Ditch	58	12:13	60	97%
1640	SPR at Union Ave.	58	12:11	60	97%
1720	Cherry Cr @ Steele	58	12:11	60	97%
1800	Sand Creek Park	58	12:11	60	97%
1900	Niver Detention	58	12:11	60	97%
1920	Wx-Brighton	58	12:13	60	97%
2210	Wx-Hiwan G.C.	58	12:00	60	97%
2250	Rosedale	58	12:11	60	97%
2310	Genesee Village	58	12:11	60	97%
2810	Pine Cliff Road	58	12:27	60	97%
2840	Sulphur Gulch	58	12:13	60	97%
2870	Cottonwood (Apache)	58	11:45	60	97%

2880	Happy Canyon at N Surrey Dr	58	12:13	60	97%
2920	West Cherry Head-Douglas Cnty	58	12:00	60	97%
4060	Lakeshore	58	12:11	60	97%
4110	Betasso	58	11:59	60	97%
4140	Logan Mill	58	12:12	60	97%
4160	Sunshine	58	11:58	60	97%
4240	Sunset	58	11:58	60	97%
4250	Geer Canyon	58	12:12	60	97%
4520	Eagle Ridge	58	12:12	60	97%
4570	St. Antons	58	12:13	60	97%
4830	SBC @ San Souci	58	11:58	60	97%
4860	Fairview Peak	58	12:14	60	97%
5730	West Creek	58	12:00	60	97%
5940	Log Jumper	58	12:26	60	97%
210	Leyden Confluence	59	11:58	60	98%
300	Van Bibber Park	59	11:58	60	98%
320	Sports Complex	59	11:57	60	98%
330	Van Bibber @ Hwy 93	59	11:57	60	98%
400	Montview Park	59	12:00	60	98%
510	Virginia Court	59	11:57	60	98%
710	Horseshoe Park Drop	59	11:58	60	98%
720	Confluence Pond	59	11:58	60	98%
750	Wx-Quincy Reservoir	59	11:57	60	98%
760	Mission Viejo Park	59	11:57	60	98%
820	ETG @ Buckley	59	11:57	60	98%
950	Piney at Liverpool	59	11:57	60	98%
970	Pump Sta 3	59	12:00	60	98%
1030	NREL/S. Table Mtn.	59	11:57	60	98%
1050	Jeffco Fairgrounds	59	11:57	60	98%
1110	Gunbarrel	59	11:58	60	98%
1300	Hidden Lake	59	11:58	60	98%
1320	SPR at 3rd Ave	59	11:58	60	98%
1370	West Metro FS13	59	11:57	60	98%
1420	Wx-A2-Diamond Hill	59	12:00	60	98%
1460	Wx-Urban Farm	59	12:00	60	98%
1600	Englewood Dam	59	11:57	60	98%
2340	El Rancho	59	11:57	60	98%
2730	Wx-Salisbury Park	59	11:59	60	98%
2910	East Cherry Cr-Douglas	59	12:00	60	98%
2950	DC Public Works	59	12:00	60	98%
2960	Indian Creek	59	12:00	60	98%
3040	CC @ Russelville Road Precip	59	12:00	60	98%
4010	Crescent	59	11:58	60	98%
4050	Walker Ranch	59	11:57	60	98%
4080	Twin Sisters	59	11:57	60	98%
4090	Magnolia	59	11:57	60	98%
4150	Gold Hill	59	11:58	60	98%
4170	Pine Brook	59	11:57	60	98%
4200	Lazy Acres	59	11:59	60	98%
4230	Golden Age	59	11:58	60	98%
4320	Lee Hill Rain 2012	59	11:58	60	98%
4350	Conifer Hill	59	12:12	60	98%
4530	Winiger Ridge	59	11:57	60	98%
4550	Boulder Jail	59	11:57	60	98%
4710	Wx-Ward C-1	59	12:00	60	98%
4730	Wx-Sugarloaf	59	12:00	60	98%
4880	Whispering Pines	59	11:57	60	98%
5740	Trail Creek	59	12:00	60	98%
5860	Cedar Mountain	59	12:00	60	98%

100200	Wx-A2-OneRain Weather - Precipitation	59	12:00	60	98%
3050	East/West Trailhead	711		720	99%
6601	Wx-A2-Magnolia WX-Precip	89	8:00	90	99%
100270	Wx-A2-WestCreek (Hayman) - Precip	715		720	99%
100290	A2-PlumCr at Sedalia - Precip	715		720	99%
100420	A2-Thorncreek - Precip	716		720	99%
100	A2-Carr Street	718		720	100%
1310	LDC at 64th	718		720	100%
2800	Columbine Open Space	718		720	100%
4850	Porphory Mtn	718		720	100%
100240	A2-Westerly Cr Dam Precip	718		720	100%
100320	A2-Weir Gulch - Precip	718		720	100%
100410	A2-Brantner Gulch - Precip	718		720	100%
870	A2-Murphy Creek GC	719		720	100%
1000	A2-Maple Grove Resv.	719		720	100%
1340	Sanderson at Xavier	719		720	100%
3070	A2-Newlin Gulch Precip	719		720	100%
100100	A2-Blackstone Precip	719		720	100%
100160	A2-Sand Creek at Colfax Precip	719		720	100%
100230	A2-Havana Pond Precip	719		720	100%
100300	A2-CoalCreek at McCaslin - Precip	719		720	100%
920	Wx-Aurora Town Hall	67	10:34	60	100%
2240	Cold Sprg Glch conf	69	9:42	60	100%
2930	Wx-Spring Valley Rd-DougCnty	60	11:34	60	100%
2970	Rampart Range Rd-Satellite	193			100%
3020	Wx-West Creek WX	730		720	100%
3060	Fire Sta 47	746		720	100%
3080	Tallman Gulch	61	11:34	60	100%
4130	Swiss Peaks	60	11:57	60	100%
4750	Wx-Louisville Lake	60	11:59	60	100%
4840	SBC@S Boulder Ditch	60	11:57	60	100%
5900	Horse Creek-Satellite	1422			100%

Rain Event Performance	Reports Received	Reports Received	2,845	Analyze Rain Sensors						<<show stations with zero rain (1=yes, 0=no)									
	Systemwide Avg	Total Tips	2,990																
	95.58%	Data Loss	4.85%																
Description	Sensor	Performance	1-tips	2-tips	3-tips	4-tips	5-tips	6-tips	>6-tips	Rcv	Exp	Miss	Hold	Bucket					
Stump Bump	5810	33%	0	0	1	0	0	0	0	1	3	2	0	0.0393701					
Wx-W. Cherry Creek	2790	50%	0	1	0	0	0	0	0	1	2	1	0	0.0393701	Mean		15.33333333		
A2-Highland Heritage Park	3090	60%	2	0	1	0	0	0	0	3	5	2	0	0.0393701	Median			13	
Cannon Mountain	4270	65%	7	2	2	0	0	0	0	11	17	6	0	0.0393701	St. Dev		13.16769973		
Four Mile Creek	5720	67%	1	1	0	0	0	0	0	2	3	1	0	0.0393701	Mean plus 3 SD		54.83643252		
Temple Pond at DTC	630	73%	72	15	8	0	1	0	0	96	131	35	1	0.0393701	Mean minus 2 SD		-11.00206612		
Hansen Rain	4330	76%	11	1	0	1	0	0	0	13	17	4	0	0.0393701	Min			1	
Wx-Button Rock	4790	79%	8	3	0	0	0	0	0	11	14	3	0	0.0393701	Max			131	
Morrison	2330	79%	11	4	0	0	0	0	0	15	19	4	0	0.0393701					
Fire Station 12	840	80%	6	2	0	0	0	0	0	8	10	2	1	0.0393701					
Idledale	2350	80%	7	0	1	0	0	0	0	8	10	2	0	0.0393701					
WX-Bingham Lake Park	3030	82%	7	2	0	0	0	0	0	9	11	2	0	0.0393701					
Bear Cr below Cub	2230	83%	9	0	1	0	0	0	0	10	12	2	0	0.0393701					
WX-EPC at Hwy 105	3010	83%	4	1	0	0	0	0	1	5	6	1	0	0.0393701					
Denver Zoo	1360	84%	17	4	0	0	0	0	0	21	25	4	0	0.0393701					
A2-Thorncreek - Precip	100420	85%	14	3	0	0	0	0	0	17	20	3	1	0.0393701					
Bear Creek @ Lowell	1530	86%	10	2	0	0	0	0	0	12	14	2	0	0.0393701					
Dakan Rd	2980	86%	5	1	0	0	0	0	0	6	7	1	0	0.0393701					
CC @ Russelville Road Precip	3040	86%	5	1	0	0	0	0	0	6	7	1	0	0.0393701					
Fire Sta 47	3060	86%	23	0	0	0	1	0	0	24	28	4	0	0.0393701					
Lee Hill Rain 2012	4320	86%	5	1	0	0	0	0	0	6	7	1	0	0.0393701					
Wx-Louisville Lake	4750	86%	5	1	0	0	0	0	0	6	7	1	1	0.0393701					
Aurora Regional Pond	940	86%	10	2	0	0	0	0	0	12	14	2	0	0.0393701					
Slaughterhouse Glch	1620	87%	12	0	1	0	0	0	0	13	15	2	0	0.0393701					
Parker/Mississippi	540	87%	18	1	1	0	0	0	0	20	23	3	0	0.0393701					
Jewell Detention	520	87%	23	4	0	0	0	0	0	27	31	4	0	0.0393701					
Sports Complex	320	88%	6	1	0	0	0	0	0	7	8	1	0	0.0393701					
Fire Station #19	530	88%	12	2	0	0	0	0	0	14	16	2	0	0.0393701					
Genesee Village	2310	88%	13	2	0	0	0	0	0	15	17	2	0	0.0393701					
Toll Gate @ 6th	700	89%	7	1	0	0	0	0	0	8	9	1	0	0.0393701					
Wx-Brighton Ditch	1570	89%	14	2	0	0	0	0	0	16	18	2	0	0.0393701					
SPR at Henderson	1660	89%	14	2	0	0	0	0	0	16	18	2	0	0.0393701					
CC at Stroh Rd	2860	89%	7	1	0	0	0	0	0	8	9	1	0	0.0393701					
SBC @ SB Road	4870	89%	7	1	0	0	0	0	0	8	9	1	0	0.0393701					
Indian Hills	2360	90%	8	1	0	0	0	0	0	9	10	1	0	0.0393701					
Geer Canyon	4250	90%	8	1	0	0	0	0	0	9	10	1	0	0.0393701					
Wx-Aurora Reservoir	900	90%	17	2	0	0	0	0	0	19	21	2	0	0.0393701					
Cold Sprg Glch conf	2240	91%	9	1	0	0	0	0	0	10	11	1	0	0.0393701					
Broomfield 3207	1200	92%	11	1	0	0	0	0	0	12	13	1	0	0.0393701					
Tallman Gulch	3080	92%	11	1	0	0	0	0	0	12	13	1	0	0.0393701					
Little Narrows	4470	92%	11	1	0	0	0	0	0	12	13	1	0	0.0393701					
A2-Weir Gulch - Precip	100320	92%	23	0	1	0	0	0	0	24	26	2	0	0.0393701					
West Woods	120	93%	12	1	0	0	0	0	0	13	14	1	0	0.0393701					
Wx-Brighton	1920	93%	24	2	0	0	0	0	0	26	28	2	0	0.0393701					
Cub Cr below Blue	2270	93%	12	1	0	0	0	0	0	13	14	1	0	0.0393701					
Logan Mill	4140	93%	12	1	0	0	0	0	0	13	14	1	0	0.0393701					
Gold Hill	4150	93%	12	1	0	0	0	0	0	13	14	1	0	0.0393701					
Sulphur Gulch	2840	93%	13	1	0	0	0	0	0	14	15	1	0	0.0393701					
West Metro FS13	1370	94%	14	1	0	0	0	0	0	15	16	1	0	0.0393701					
Wx-Urban Farm	1460	94%	14	1	0	0	0	0	0	15	16	1	0	0.0393701					
Hidden Lake	1300	94%	15	1	0	0	0	0	0	16	17	1	0	0.0393701					
Wx-Sugarloaf	4730	94%	15	1	0	0	0	0	0	16	17	1	0	0.0393701					
Wx-Cal-Wood Ranch	4770	94%	15	1	0	0	0	0	0	16	17	1	0	0.0393701					
Guy Hill Ranch	310	94%	31	2	0	0	0	0	0	33	35	2	0	0.0393701					
Havana Park	500	94%	16	1	0	0	0	0	0	17	18	1	0	0.0393701					
Goldsmith @ Eastman	640	95%	17	1	0	0	0	0	0	18	19	1	0	0.0393701					
Bear Peak	4070	95%	18	1	0	0	0	0	0	19	20	1	0	0.0393701					

Fire Station #7	440	95%	19	1	0	0	0	0	0	0	20	21	1	0	0.0393701	
Iliff Pond	650	95%	20	1	0	0	0	0	0	0	21	22	1	0	0.0393701	
Riverside	4340	95%	20	1	0	0	0	0	0	0	21	22	1	0	0.0393701	
Wx-Ward C-1	4710	95%	20	1	0	0	0	0	0	0	21	22	1	0	0.0393701	
Trail Creek	5740	95%	20	1	0	0	0	0	0	0	21	22	1	0	0.0393701	
Shanahan Ridge	4810	96%	21	1	0	0	0	0	0	0	22	23	1	0	0.0393701	
Expo Park	420	96%	44	0	1	0	0	0	0	0	45	47	2	0	0.0393701	
Cottonwood (Apache)	2870	96%	22	1	0	0	0	0	0	0	23	24	1	0	0.0393701	
Pump Sta 3	970	97%	34	1	0	0	0	0	0	0	35	36	1	0	0.0393701	
Utah Park	430	99%	95	1	0	0	0	0	0	0	96	97	1	0	0.0393701	
A2-Brantner Gulch - Precip	100410	100%	28	0	0	0	0	0	0	0	28	28	0	0	0.0393701	
A2-Carr Street	100	100%	14	0	0	0	0	0	0	0	14	14	0	0	0.0393701	
Ralston Reservoir	110	100%	11	0	0	0	0	0	0	0	11	11	0	0	0.0393701	
Wx-Blue Mountain	140	100%	12	0	0	0	0	0	0	0	12	12	0	1	0.0393701	
Nott Creek	150	100%	13	0	0	0	0	0	0	0	13	13	0	0	0.0393701	
Leyden Reservoir	200	100%	9	0	0	0	0	0	0	0	9	9	0	0	0.0393701	
Leyden Confluence	210	100%	14	0	0	0	0	0	0	0	14	14	0	0	0.0393701	
Upper Leyden	220	100%	17	0	0	0	0	0	0	0	17	17	0	1	0.0393701	
Van Bibber Park	300	100%	4	0	0	0	0	0	0	0	4	4	0	0	0.0393701	
Van Bibber @ Hwy 93	330	100%	14	0	0	0	0	0	0	0	14	14	0	0	0.0393701	
Montview Park	400	100%	21	0	0	0	0	0	0	0	21	21	0	0	0.0393701	
Kelly Dam	410	100%	15	0	0	0	0	0	0	0	15	15	0	0	0.0393701	
Virginia Court	510	100%	24	0	0	0	0	0	0	0	24	24	0	0	0.0393701	
Harvard Gulch Park	600	100%	44	0	0	0	0	0	0	0	44	44	0	0	0.0393701	
Harvard @ Jackson	610	100%	7	0	0	0	0	0	0	0	7	7	0	0	0.0393701	
Quincy/Highline	620	100%	25	0	0	0	0	0	0	0	25	25	0	0	0.0393701	
Horseshoe Park Drop	710	100%	13	0	0	0	0	0	0	0	13	13	0	0	0.0393701	
Confluence Pond	720	100%	16	0	0	0	0	0	0	0	16	16	0	0	0.0393701	
No Name @ Quincy	730	100%	19	0	0	0	0	0	0	0	19	19	0	0	0.0393701	
Wx-Quincy Reservoir	750	100%	23	0	0	0	0	0	0	0	23	23	0	0	0.0393701	
Mission Viejo Park	760	100%	26	0	0	0	0	0	0	0	26	26	0	1	0.0393701	
Sable Ditch @ 18th	800	100%	11	0	0	0	0	0	0	0	11	11	0	0	0.0393701	
Granby Ditch @ 6th	810	100%	6	0	0	0	0	0	0	0	6	6	0	0	0.0393701	
ETG @ Buckley	820	100%	10	0	0	0	0	0	0	0	10	10	0	0	0.0393701	
Side Creek Park	830	100%	23	0	0	0	0	0	0	0	23	23	0	0	0.0393701	
Flying J	850	100%	36	0	0	0	0	0	0	0	36	36	0	0	0.0393701	
A2-Murphy Creek GC	870	100%	45	0	0	0	0	0	0	0	45	45	0	1	0.0393701	
Wx-Aurora Town Hall	920	100%	8	0	0	0	0	0	0	0	8	8	0	0	0.0393701	
Piney at Liverpool	950	100%	23	0	0	0	0	0	0	0	23	23	0	0	0.0393701	
A2-Maple Grove Resv.	1000	100%	10	0	0	0	0	0	0	0	10	10	0	0	0.0393701	
Denver West	1010	100%	12	0	0	0	0	0	0	0	12	12	0	0	0.0393701	
NREL/S. Table Mtn.	1030	100%	9	0	0	0	0	0	0	0	9	9	0	0	0.0393701	
Lena @ U.S. Hwy 6	1040	100%	22	0	0	0	0	0	0	0	22	22	0	0	0.0393701	
Jeffco Fairgrounds	1050	100%	9	0	0	0	0	0	0	0	9	9	0	0	0.0393701	
Heritage Square	1060	100%	20	0	0	0	0	0	0	0	20	20	0	0	0.0393701	
Louisville Rec Ctr	1100	100%	6	0	0	0	0	0	0	0	6	6	0	0	0.0393701	
Gunbarrel	1110	100%	16	0	0	0	0	0	0	0	16	16	0	0	0.0393701	
LDC at 64th	1310	100%	18	0	0	0	0	0	0	0	18	18	0	1	0.0393701	
SPR at 3rd Ave	1320	100%	13	0	0	0	0	0	0	0	13	13	0	0	0.0393701	
Chatfield COE	1350	100%	15	0	0	0	0	0	0	0	15	15	0	0	0.0393701	
Upper Sloan Det.	1400	100%	10	0	0	0	0	0	0	0	10	10	0	0	0.0393701	
Wx-A2-Diamond Hill	1420	100%	23	0	0	0	0	0	0	0	23	23	0	0	0.0393701	
Wx-Elbert	1440	100%	5	0	0	0	0	0	0	0	5	5	0	1	0.0393701	
Third Creek at DIA	1480	100%	12	0	0	0	0	0	0	0	12	12	0	0	0.0393701	
Wx-Marston Lake North	1520	100%	18	0	0	0	0	0	0	0	18	18	0	1	0.0393701	
Lakewood CC	1550	100%	21	0	0	0	0	0	0	0	21	21	0	0	0.0393701	
Englewood Dam	1600	100%	13	0	0	0	0	0	0	0	13	13	0	0	0.0393701	
SPR at Union Ave.	1640	100%	17	0	0	0	0	0	0	0	17	17	0	0	0.0393701	
Cherry Cr @ Champa	1700	100%	17	0	0	0	0	0	0	0	17	17	0	0	0.0393701	
Shop Creek	1710	100%	21	0	0	0	0	0	0	0	21	21	0	1	0.0393701	
Cherry Cr @ Steele	1720	100%	19	0	0	0	0	0	0	0	19	19	0	0	0.0393701	
Sand Creek Park	1800	100%	9	0	0	0	0	0	0	0	9	9	0	0	0.0393701	

Niver Detention	1900	100%	9	0	0	0	0	0	0	0	9	9	0	0	0.0393701	
Wx-Hiwan G.C.	2210	100%	5	0	0	0	0	0	0	0	5	5	0	0	0.0393701	
Rosedale	2250	100%	30	0	0	0	0	0	0	0	30	30	0	0	0.0393701	
Brook Forest	2260	100%	31	0	0	0	0	0	0	0	31	31	0	0	0.0393701	
Kinney Peak	2280	100%	13	0	0	0	0	0	0	0	13	13	0	0	0.0393701	
Choke Cherry Resvr	2320	100%	11	0	0	0	0	0	0	0	11	11	0	0	0.0393701	
Red Rocks Park	2370	100%	19	0	0	0	0	0	0	0	19	19	0	0	0.0393701	
Wx-Highlands Ranch WTP	2710	100%	28	0	0	0	0	0	0	0	28	28	0	0	0.0393701	
Wx-Salisbury Park	2730	100%	8	0	0	0	0	0	0	0	8	8	0	0	0.0393701	
Wx-Castle Rock	2750	100%	6	0	0	0	0	0	0	0	6	6	0	0	0.0393701	
Columbine Open Space	2800	100%	5	0	0	0	0	0	0	0	5	5	0	0	0.0393701	
Pine Cliff Road	2810	100%	9	0	0	0	0	0	0	0	9	9	0	0	0.0393701	
Haskins Gulch Conf	2820	100%	5	0	0	0	0	0	0	0	5	5	0	0	0.0393701	
Cherry Cr bl Bayou Glch	2850	100%	11	0	0	0	0	0	0	0	11	11	0	0	0.0393701	
Happy Canyon at N Surrey Dr	2880	100%	9	0	0	0	0	0	0	0	9	9	0	0	0.0393701	
Spruce Mt - Douglas	2890	100%	10	0	0	0	0	0	0	0	10	10	0	0	0.0393701	
Russelville Gulch-Douglas	2900	100%	6	0	0	0	0	0	0	0	6	6	0	0	0.0393701	
West Cherry Head-Douglas Cnty	2920	100%	10	0	0	0	0	0	0	0	10	10	0	0	0.0393701	
Wx-Spring Valley Rd-DougCnty	2930	100%	2	0	0	0	0	0	0	0	2	2	0	0	0.0393701	
Willow Creek - DougCnty	2940	100%	3	0	0	0	0	0	0	0	3	3	0	0	0.0393701	
DC Public Works	2950	100%	2	0	0	0	0	0	0	0	2	2	0	0	0.0393701	
Indian Creek	2960	100%	4	0	0	0	0	0	0	0	4	4	0	0	0.0393701	
Rampart Range Rd-Satellite	2970	100%	7	0	0	0	0	0	0	0	7	7	0	0	0.0393701	
Wx-Tomah Rd-DougCnty	2990	100%	4	0	0	0	0	0	0	0	4	4	0	0	0.0393701	
Wx-West Creek WX	3020	100%	7	0	0	0	0	0	0	0	7	7	0	0	0.0393701	
East/West Trailhead	3050	100%	9	0	0	0	0	0	0	0	9	9	0	0	0.0393701	
A2-Newlin Gulch Precip	3070	100%	13	0	0	0	0	0	0	0	13	13	0	0	0.0393701	
Cresent	4010	100%	9	0	0	0	0	0	0	0	9	9	0	0	0.0393701	
Rio Grande	4020	100%	10	0	0	0	0	0	0	0	10	10	0	0	0.0393701	
Red Garden	4030	100%	24	0	0	0	0	0	0	0	24	24	0	0	0.0393701	
Martin Gulch	4040	100%	25	0	0	0	0	0	0	0	25	25	0	0	0.0393701	
Walker Ranch	4050	100%	20	0	0	0	0	0	0	0	20	20	0	0	0.0393701	
Lakeshore	4060	100%	24	0	0	0	0	0	0	0	24	24	0	0	0.0393701	
Twin Sisters	4080	100%	12	0	0	0	0	0	0	0	12	12	0	1	0.0393701	
Magnolia	4090	100%	20	0	0	0	0	0	0	0	20	20	0	0	0.0393701	
Betasso	4110	100%	12	0	0	0	0	0	0	0	12	12	0	1	0.0393701	
Swiss Peaks	4130	100%	18	0	0	0	0	0	0	0	18	18	0	0	0.0393701	
Sunshine	4160	100%	12	0	0	0	0	0	0	0	12	12	0	0	0.0393701	
Pine Brook	4170	100%	5	0	0	0	0	0	0	0	5	5	0	0	0.0393701	
Gold Lake	4180	100%	12	0	0	0	0	0	0	0	12	12	0	0	0.0393701	
Slaughterhouse	4190	100%	7	0	0	0	0	0	0	0	7	7	0	0	0.0393701	
Lazy Acres	4200	100%	5	0	0	0	0	0	0	0	5	5	0	0	0.0393701	
Fling's	4220	100%	25	0	0	0	0	0	0	0	25	25	0	0	0.0393701	
Golden Age	4230	100%	4	0	0	0	0	0	0	0	4	4	0	0	0.0393701	
Sunset	4240	100%	16	0	0	0	0	0	0	0	16	16	0	0	0.0393701	
Taylor Mountain	4260	100%	18	0	0	0	0	0	0	0	18	18	0	0	0.0393701	
Big Elk Park	4300	100%	9	0	0	0	0	0	0	0	9	9	0	0	0.0393701	
Johnny Park	4310	100%	12	0	0	0	0	0	0	0	12	12	0	0	0.0393701	
Conifer Hill	4350	100%	17	0	0	0	0	0	0	0	17	17	0	0	0.0393701	
Justice Center	4360	100%	7	0	0	0	0	0	0	0	7	7	0	0	0.0393701	
Apple Valley	4490	100%	2	0	0	0	0	0	0	0	2	2	0	0	0.0393701	
Pinewood Springs	4510	100%	4	0	0	0	0	0	0	0	4	4	0	0	0.0393701	
Eagle Ridge	4520	100%	1	0	0	0	0	0	0	0	1	1	0	0	0.0393701	
Winiger Ridge	4530	100%	12	0	0	0	0	0	0	0	12	12	0	0	0.0393701	
Boulder Jail	4550	100%	11	0	0	0	0	0	0	0	11	11	0	0	0.0393701	
St. Antons	4570	100%	6	0	0	0	0	0	0	0	6	6	0	0	0.0393701	
Doudy Draw	4820	100%	15	0	0	0	0	0	0	0	15	15	0	0	0.0393701	
SBC @ San Souci	4830	100%	16	0	0	0	0	0	0	0	16	16	0	0	0.0393701	
SBC@S Boulder Ditch	4840	100%	11	0	0	0	0	0	0	0	11	11	0	0	0.0393701	
Whispering Pines	4880	100%	12	0	0	0	0	0	0	0	12	12	0	0	0.0393701	
West Creek	5730	100%	6	0	0	0	0	0	0	0	6	6	0	0	0.0393701	
Cedar Mountain	5860	100%	9	0	0	0	0	0	0	0	9	9	0	0	0.0393701	

Hackett Mountain	5880	100%	12	0	0	0	0	0	0	12	12	0	0	0.0393701	
Horse Creek-Satellite	5900	100%	1	0	0	0	0	0	0	1	1	0	0	0.0393701	
Log Jumper	5940	100%	6	0	0	0	0	0	0	6	6	0	0	0.0393701	
A2-Blackstone Precip	100100	100%	18	0	0	0	0	0	0	18	18	0	1	0.0393701	
A2-ETG @ Hampden Precip	100110	100%	25	0	0	0	0	0	0	25	25	0	0	0.0393701	
A2-Upper Sellers Gulch Precip	100140	100%	6	0	0	0	0	0	0	6	6	0	0	0.0393701	
A2-Sellers Gulch at Haystack Precip	100150	100%	7	0	0	0	0	0	0	7	7	0	0	0.0393701	
A2-Sand Creek at Colfax Precip	100160	100%	9	0	0	0	0	0	0	9	9	0	0	0.0393701	
A2-Havana Pond Precip	100230	100%	10	0	0	0	0	0	0	10	10	0	0	0.0393701	
A2-Westerly Cr Dam Precip	100240	100%	16	0	0	0	0	0	0	16	16	0	0	0.0393701	
Wx-A2-Trumbull (Hayman) - Precip	100260	100%	4	0	0	0	0	0	0	4	4	0	0	0.0393701	
Wx-A2-WestCreek (Hayman) - Precip	100270	100%	3	0	0	0	0	0	0	3	3	0	0	0.0393701	
A2-PlumCr at Sedalia - Precip	100290	100%	5	0	0	0	0	0	0	5	5	0	0	0.0393701	
A2-CoalCreek at McCaslin - Precip	100300	100%	9	0	0	0	0	0	0	9	9	0	0	0.0393701	
		Total Tips	2726	98	18	1	2	0							
Porphory Mtn	4850	98%	45	1	0	0	0	0	0	46	47	1	2	0.01	
Fairview Peak	4860	98%	51	1	0	0	0	0	0	52	53	1	0	0.01	
Wx-A2-Magnolia WX-Precip	6601	100%	62	0	0	0	0	0	0	62	62	0	6	0.01	
Wx-A2-OneRain Weather - Precipitation	100200	100%	17	0	0	0	0	0	0	17	17	0	0	0.01	

2017 Monthly Peak Hour ALERT Radio Traffic Summary

